Catalogue 2023/2024

BUILDING
ACCESS AUTOMATION

HOME
ACCESS AUTOMATION

URBAN
ACCESS AUTOMATION

rev 11 - 31-10-2024

BFT
Be ahead

From 1967 to date:

fifty years of Bft solutions.

Our history is a story of creativity; originally the vision of one person, today we are an international company recognised across the world for our intelligent solutions and the reliability of our products.

Joining the Somfy Group in 2004 our company continues to evolve with greater resources, people and increased authority in the international market.

Over the years, whilst developing ever more efficient sliding and swing gate automation technology, the staff at Bft have successfully focused their efforts on creating new solutions for parking systems and access control.

Our 530 distributors and 24 branches in more than 120 countries prove that we know how to stand out and our everyday activities are still inspired by the same curiosity about the future that awaits us.

A place for everyone.

We have launched two specific business units where we develop and market access automation: Residential & Industrial, for businesses and private dwellings, and Commercial & Urban, where we handle infrastructure for large communities, typically with high numbers of visitors and vehicles , which require road barriers, bollards and automatic doors.

In both situations, we satisfy the demands of customers, who are seeking a trusted and competent partner able to develop intelligent and technologically advanced systems which are simple and intuitive in everyday use.

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PA4D142R12000	ESPAS 30-U CC ULTRA SCN CC-FRA RF CIT-IP	314
PA4D143R10000	ESPAS 30-U CC ULTRA SCN CC-UK RF	314
PA4D143R12000	ESPAS 30-U CC ULTRA SCN CC-UK RF CIT-IP	314
PA4D145R10000	ESPAS 30-U CC ULTRA SCN CC-AUS RF	314
PA4D145R12000	ESPAS 30-U CC ULTRA SCN CC-AUS RF CIT-IP	314
PA5D040R10000	ESPAS 30-A ULTRA RF	316
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PA5D060R12000	ESPAS 30-A ULTRA RF CIT-IP T	316
PA6D040R10000	ESPAS 30-IH ULTRA RF	310
PA6D040R11000	ESPAS 30-IH ULTRA RF CIT-BUS	310
PA6D140R12000	ESPAS 30-IH ULTRA SCN RF CIT-IP	310
PA7D140R10000	ESPAS 30-UH ULTRA SCN RF	312
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R925267 00002	DEIMOS BT KIT A400 FRA	92
R925269 00002	DEIMOS ULTRA BT KIT A600 FRA	95
R925271 00002	DEIMOS BT KIT A600 FRA	92
R925281 00002	DEIMOS AC KIT A600 FRA	97
R925283 00002	DEIMOS AC KIT A800 FRA	97
R925295 00001	ARES ULTRA BT KIT A1000 FRA	105
R925332 00002	DEIMOS AC KIT A800 INT SL DN	97
R925342 00001	ARES VELOCE SMART BT KIT A500 INT	101
R930150 00001	VIRGO SMART BT A 20 KIT INT	55
R930153 00001	E5 SMART BT KIT A18	60
R930153 00003	E5 SMART BT KIT A12	60
R935210 00011	ORO KIT FRA	73
R935217 00002	LUX MB KIT	76
R935221 00002	IGEA KIT FRA	59
R935222 00002	ORO KIT	73
R935229 00002	IGEA BT KIT FRA	57
R935297 00002	IGEA BT KIT FRA THALIA	57
R935304 00003	PHOBOS AC KIT A25 FRA	45
R935305 00003	PHOBOS AC KIT A50 FRA	45
R935306 00005	PHOBOS BT KIT A25 FRA	40
R935307 00005	KUSTOS BT KIT A25 FRA	50
R935308 00005	KUSTOS ULTRA BT KIT A25 FRA	48
R935309 00005	PHOBOS BT KIT A40 FRA	40
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U-Control	U-CONTROL	249

EasyAXS

EASY CONNECT. EASY ACCESS.

The new connectivity solution which boosts the potential of BFT products and services to make access automations smarter and easier to use for both installers and end users.

1

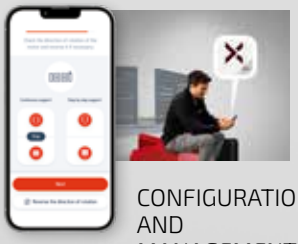
EASY TO CONNECT

PLUG&PLAY
CONNECTIVITY MODULE FOR QUICKLY CONNECTING BFT SOLUTIONS

IoT CLOUD

2

EASY TO SET UP



CONFIGURATION AND MANAGEMENT OF THE MOTOR WITH THE **EasyAXS app**

3

EASY TO CONTROL

TaHoma app
TO PROVIDE CUSTOMERS WITH A SMART SOLUTION FOR ACCESSING THEIR HOMES

connects with Somfy TaHoma

EASY TO CONNECT

WIFI MODULE

10/15 metres

WIFI MODULE + ANTENNA

20/25 metres

MOBILE MODULE + ANTENNA + SIM

4G

PLUG&PLAY INSTALLATION

ALWAYS CONNECTED

EVEN MORE CONNECTIVITY

EASY TO SET UP FOR INSTALLERS

EASY TO CONTROL FOR CUSTOMERS

U-LINK 2.0

AN UPDATED VERSION OF U-LINK TO GIVE YOU EVEN MORE FUNCTIONALITY

Scalable
You can add as many devices as you want

Intuitive
Easy to install and to use

Functional
Settings can be controlled and firmware updated remotely using dedicated applications

Practical
Works with or without an internet connection

Flexible
It allows you to create groups of interconnected products

U-Link, the exclusive **BFT** technology platform has evolved to offer improved interaction with the latest generation of technological ecosystems. Its ability to interface with all home access automation access devices has been expanded, meaning it is now a very useful tool for installers. It is also a faster communication protocol with increased security for communicating information.

It allows you to save even more time, checking everything very easily and giving you even more peace of mind.

U-SECURITY

A NEW AND EVEN MORE SECURE RADIO PROTOCOL

Secure

By transmitting data protected by a cryptographic key

Easy

Pairing a remote control with a receiver can be done easily by scanning the QR code and using the dedicated app

Universal

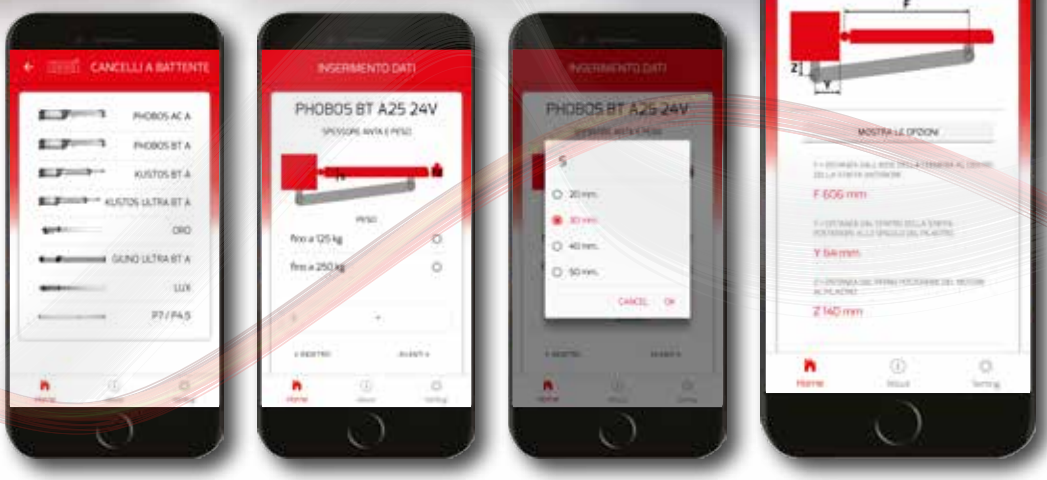
The radio protocol is also compatible with the previous generation of receivers

U-Security is the new technology from **BFT** which incorporates encrypted rolling code thanks to the encryption key which masks the remote control code, meaning that it is impossible to clone a BFT remote control using another brand's model.

The functions of the **Er Ready** system are incorporated and a new procedure is also available for programming remote controls by scanning a QR CODE and using a special app. All products featuring this technology are REPLAY, so they can transmit the code to another BFT remote control using a combination of keys.

With **Bft Easy Set** the installation of an automation system for swing gates has never been easier!

Thanks to the exclusive "Bft Easy Set" app, with a few simple steps, you can automatically obtain the installation dimensions of the brackets for the swing gate operators.
The application allows you to choose the opening angle of the gate according to the position of the brackets.
Available soon for your Android or iOS smartphone!



1. Choose your operator for swing gates

2. Enter the basic measurements of the gate and the desired opening angle

3. The App automatically calculates the position dimensions of the brackets

BFT, technologies, instruments, protocols

The adoption of exclusive and safe technologies and protocols ensures optimum performance at all times and makes BFT automation systems the essence of innovation, quality and reliability.

U-Link

An evolution of the U-Link communication protocol, U-Link 2.0 retains robust data protection, the open approach which allows it to adapt to numerous different communication languages whilst its scalability means there are no limits to the objects (B-eba) connected to the network. At the same time, it has evolved to allow information to be sent but also receive from the control unit, creating bi-directional communication. It also supports OTA technology allowing the firmware to be updated remotely. With this newer, enhanced performance protocol, the control unit can be programmed using a dedicated app and a lot of the information can be managed either locally (via Bluetooth) or remotely (wifi/GSM), improving the user experience.

U-Security

U-Security is a new technology from BFT which, in addition to incorporating a new encrypted rolling code transmission, also incorporates the functionalities of the Er-Ready system and introduces a new procedure for programming BFT remote controls by scanning a QR code. The new rolling code system has an encryption key which masks the code and prevents the BFT remote controls from being cloned by third-party models. All products which have this technology integrate the coding system to directly clone remote controls (Er-Ready) and are therefore all REPLAY. In addition, with U-Security it is also possible to add remote controls to a BFT receiver and program them using the QR code which is printed on the cover of each Mitto C, using the dedicated app.

U-Link2.0

An evolution of the U-Link communication protocol, U-Link 2.0 retains robust data protection, the open approach which allows it to adapt to numerous different communication languages whilst its scalability means there are no limits to the objects (B-eba) connected to the network. At the same time, it has evolved to allow information to be sent but also receive from the control unit, creating bi-directional communication. It also supports OTA technology allowing the firmware to be updated remotely. With this newer, enhanced performance protocol, the control unit can be programmed using a dedicated app and a lot of the information can be managed either locally (via Bluetooth) or remotely (wifi/GSM), improving the user experience.

Dynamic Path Tracking

The thrust required to operate safely. A smart torque management system based on the microprocessor technology of BFT control units. Acquiring data from several indicators, it updates the level of thrust required to perform the operation. D-Track also facilitates the installer in providing for the certifications required by law. Conventional control units do not “read” the exact position of the gate and consequently apply constant thrust levels, without ensuring stable sensitivity during the opening and closing operations. BFT control devices record the slightest variation in the gate or door force, for example due to differences in temperature or wear, constantly supplying the optimum torque to the motor. A conventional control unit could not detect these thrust variations, which would result in it indicating the presence of non-existent obstacles. The BFT system thus guarantees the maximum safety and perfect functioning of the equipment, no matter what the climactic and temperature conditions and degree of mechanical wear.

Nf Certification

Quality certification. Products with NF certification are periodically checked by independent auditing firms responsible for verifying the quality of each article. The verification criteria vary depending on the product and also include analysis of the different production sites. By purchasing an NF certified product you are assured that it meets the current standards and has undergone stringent compliance tests.

Er - Ready

The new coding system for direct cloning of remote controls Based on microprocessor technology, this system allows the cloning of any MITTO remote control in a MITTO REPLAY remote control. In fact, the first remote control “teaches” the second one the correct code which is automatically saved in the receiver the first time it is used. Everything occurs at the highest levels of security thanks to the use of the Rolling Code safe transmission system.

24V

A precise, safe and reliable technology Bft 24V technology ensures optimum performance with a precise adjustment of slowdown in closing and opening. Safety is another key aspect, ensuring the immediate stopping and reversal of movement in the presence of obstacles. The efficiency of the technology is a guarantee of the product’s reliability.

Ecosol

A system powered by solar energy and suitable for all low-voltage installations. Ecosol is not just a technology attentive to the environment, but also a practical solution for doors and gates that are hard to reach from the mains power supply. Thanks to compatibility with all new and old 24V systems, it can be installed in any situation. Ecosol, a clean, renewable and endless charge.

Rolling Code

For safe transmission. BFT transmitters use a rolling code system that manages the commands in a completely secure way and prevents any type of external violation. When a transmitter key is pressed the command is sent to the control unit with a different code each time, identifiable only by the receiver and accepted only once. The algorithm generated then prevents the reproduction of the code.

Inverter

Motor rotation constantly under control The inverter is an electronic device allowing motor rotation speed to be controlled at any moment, ensuring safety and reliability of the installation, and even extending its life. This is because the inverter reduces the stresses on mechanical parts, subjecting them to less stress. The system also allows management of automation opening and closing times.

Reduction Unit In Oil Bath

The device included in a specific range of Bft barriers, offering great durability in being maintenance free; it ensures extreme quietness and irreversibility of movement.

Crank Handle System

Together with irreversibility of the reduction unit, this device included in a specific range Bft barriers provides intrinsic anti-vandal protection, preventing unauthorised opening of the gate.

Inductive Encoder

A contactless high-resolution device for detecting obstacles. It ensures rapid reversing of motion and improves smoothness of overall movement during acceleration and slowdown.

Three-Phase Induction Motor

This device, included in a specific range of Bft barriers, allows the motor to be maintenance-free and offers extreme reliability and quietness. It can also be used in hazardous areas, as it does not produce sparks.

Easily Accessed Hydraulic Pump

This solution, included in the range of Bft hydraulic bollards, allows quick maintenance without the use of a shaft lifting crane.

Certification Iwa 14-1:2103 V/7200 (N3C)/80/90

Anti-terrorism certification The X-Pass B 330/1200 bollard has obtained Iwa certification, classifying it as an anti-terrorism device. In the crash test, one of these bollards stopped a 7,200 kg heavy vehicle travelling at a speed of 80 kph. A perfect solution to protect sensitive buildings, such as barracks, banks and embassies, from intrusion by potentially dangerous vehicles. The test was carried out by the English company Mira, specialised in innovations in the world of engineering and product testing.

Efo

A device applicable to hydraulic bollards, allowing rapid rising of the shaft (about 3 times faster than the standard speeds), essential in case of emergency. The device consists of a high pressure reservoir which, when activated, gives the hydraulic pump additional thrust. Once used, the system is automatically reinstated, without requiring maintenance.

Ee Link

For fast and safe programming. EELINK is a system developed by BFT which, by means of connection to handheld programmers (Unipro, Uniradio and Proxima), makes it possible to transfer data from automatic systems to PCs and vice versa. Thus EEdbase or U-base, the databases of the information stored in the installed systems, are constantly updated. Thanks to this software it possible to associate the necessary personal details with each system: owner's address and details, name of maintenance technician, names of every remote control holder, etc. With EElink, just press a few buttons to easily manage the customer base or preventive maintenance. Even operations that were once complex become easier: for example, reconfiguring the control unit or the radio receiver in case of replacement or the setup of a control panel, starting from a standard or custom configuration.

Inverter With Three-Phase Induction Motor

Allows precise control and management of bar/boom speed in a specific range of Bft barriers and also provides excellent dynamic performance in acceleration and slowdown, ensuring extreme quietness.

Reading Of Passive Tag

Tuva is a medium range UHF passive tag reading system that can be integrated in a parking system. The Tuva antenna, installed near the entry and exit posts, allows motorists with special adhesive tags on their windscreens to enter and exit the car park quickly, without having to show anything at the post.

Car Number-Plate Reading

NEA is a vehicle number-plate reading system that can be integrated in parking systems. The camera, installed near the entry and exit posts, allows vehicles with registered number-plate to enter and exit the car park quickly, without having to show anything at the post. The use of the plate does not require specific physical supports, thereby offering maximum flexibility.

Silentech

"Silentech", the Bft technology able to offer a range of products that are among the quietest on the market, thanks to careful and constant research on the internal mechanical parts of our motors.

Legend of uses

Legend of applications for BFT products

Home Access Automation

Full Access Specialist: that's what we have become, starting from automation in the residential context, a traditional area for Bft, which can count on 30 years of technological innovations.

Building Access Automation

A range focused on providing the control and protection of points of access to public and private structures.

Urban Access Automation

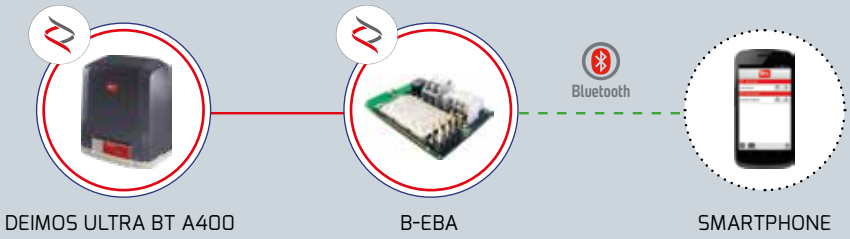
Advanced parking systems, barriers and bollards integrated through the use of software dedicated to Urban Traffic Management: this is the result of the most innovative research made in Bft.

Some solutions of the Home Access Automation, Building

HOME ACCESS AUTOMATION

The remote control for sliding operators with U-link? A smartphone.

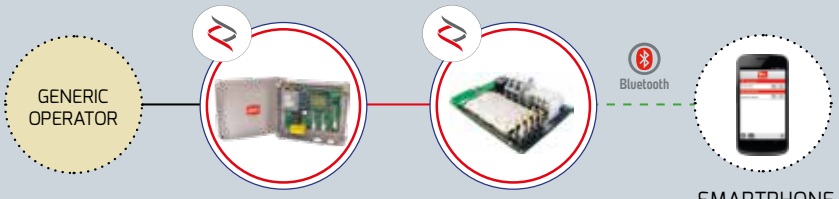
Technology abreast of the times and attentive to the use of U-link the house gate can now be opened with just your smartphone.



DEIMOS ULTRA BT A400 | B-EBA | SMARTPHONE

The remote control for non-Bft operators? A smartphone.

Technology abreast of the times and attentive to daily needs: thanks to the use of U-link technology the house gate can now be opened with just your smartphone.



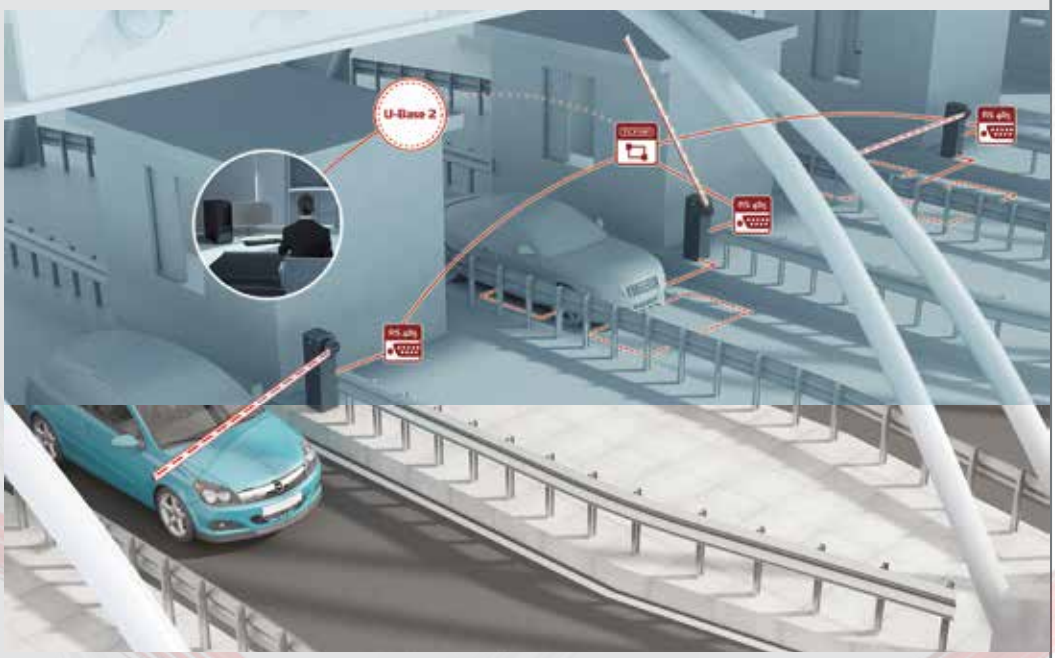
CLONIX AC E U-LINK | B-EBA | SMARTPHONE

URBAN ACCESS AUTOMATION

Motorway toll-gate - A boom that withstands impacts

Faults in the barriers are often due to accidental impacts against the boom. Hence the Bft solution that withstands impacts and quickly returns operational.

Thanks to the hinged boom release mechanism, the barrier minimises damage to the device in case of impact, thus allowing rapid reinstatement of the automation. The entire toll-gate barrier system is controlled remotely from a single computer with the U-BASE 2 software which allows prompt and precise diagnostics of the barriers included in the U-Link network.



ADVANTAGES
- The boom will not damaged in case of impact
- Quickly resettable system
- Centralised remote control
- Barrier diagnostics

IDENTIFIED SYSTEM

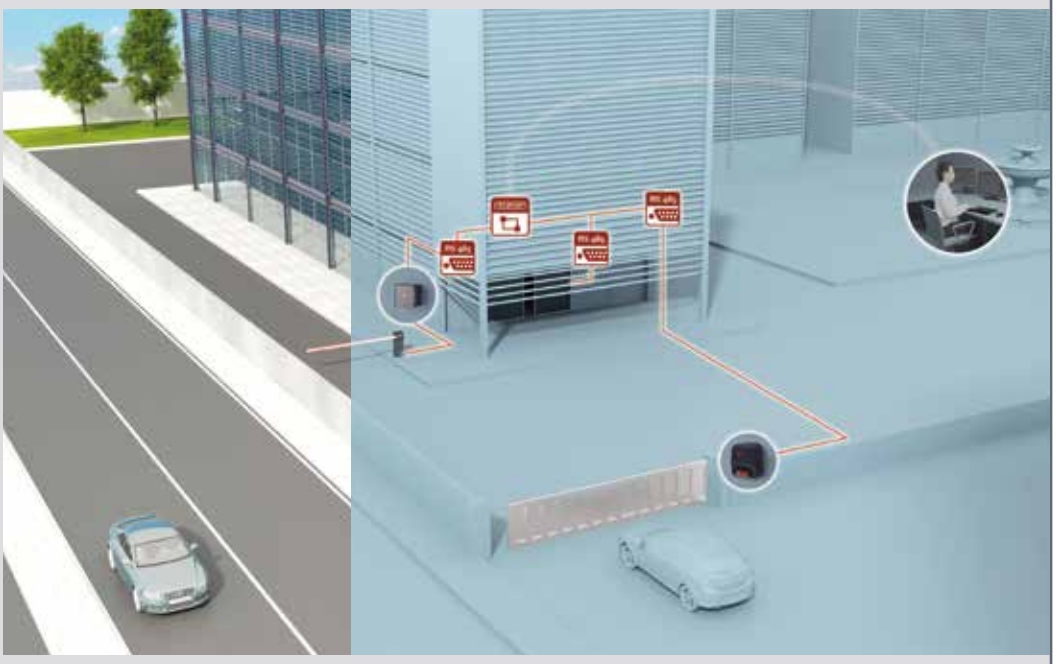
1x	1x	3x	3x	3x	3x	3x	6x
U-BASE 2	B-EBA TCP/IP	B-EBA 485	Maxima Ultra 35	OMEGA ATM FRA U35	ATM30	RME2	Safety loops

Access Automation and Urban Access Automation worlds.

BUILDING
ACCESS AUTOMATION

U-Base 2 - Program a system remotely via a mobile device.

Programming and checking the proper operation of a system remotely with several operators via a mobile device? Thanks to U-Base 2 software everything is possible.
The B EBA TCP/IP GATEWAY interface connects the mobile device hosting U-Base 2 via the Internet, for the programming and management of all aspects of the Bft operators in a system, connected in series via an RS 485, and using U-link technology. It connects to the operators via B EBA 485 LINK modules.
The Clonix AC 2 E U-link accessory can be used if intending to control operators that are not U-link compatible. The speed and transmission stability combined with maximum safety in sending and receiving commands are the main advantages of this solution.



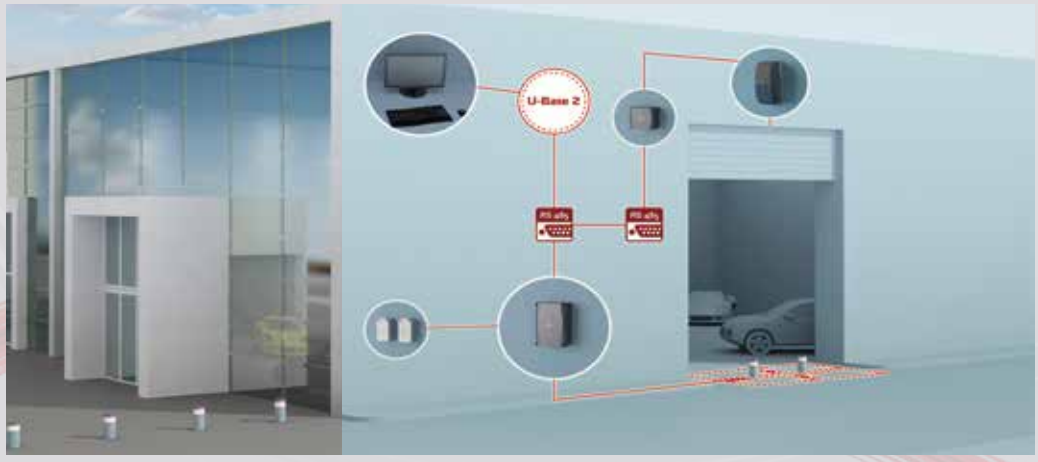
ADVANTAGES
- Transmission speed and stability.
- Maximum security in the transmission of commands.
- Sending commands, status checking, diagnosis, programming, remote troubleshooting.

IDENTIFIED SYSTEM

1x U-BASE 2 FOR PC
1x PC
1x B EBA TCP/IP Gateway
3x B EBA 485
1x ARES ULTRA
1x CLONIX AC 2 AND U-LINK
1x BARRIER
1x VISTA SL C

Centralised control of workshop access

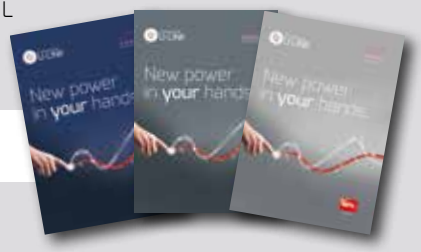
With the new Clonix ULink, any automation device can easily be included in a serial network with 485 connection, controlled from a PC and U-Base software.
In this way, access to the dealer's workshop is easily managed from a centralised station, controlling both the opening of sectional doors and the bollards protecting the entry, even in case of a power failure. The system allows diagnostics of compatible U-link products included in the U-link network.



ADVANTAGES
- Bollards non-reversible in case of a power failure
- Centralised access management from a PC
- Control of any automation device via clonix U-Link

IDENTIFIED SYSTEM

1x UBASE2
1x ARGO G
1x Clonix U-Link
1x B EBA 485 Gateway
1x B EBA 485 Link
2x Stoppy MBB 219/700 L
1x Stoppy BAT
1x Perseo CBE
2x RME2
4x Safety loops



visit www.bft-automation.com for more information about Home, Building and Urban catalogs

New

Bft, cutting-edge products

PHOBOS BT B35 VELOCE

PHOBOS BT B35 VELOCE
New electromechanical operator for swing gates for FAST residential use: it guarantees ease of use and safety against intrusion thanks to opening and closing times reduced to a minimum.
Gate up to 3m long and weighing 450 kg. Obstacle detection: the management and control system of the D-Track pair ensures maximum safety for people and property, as well as making it easier to certify the system. Installation is easy and fast thanks to the magnetic limit switch at the top of the motor and the exclusive function that helps the installer to position it correctly using the motor's vibration.

KUSTOS BT B

KUSTOS BT B
Full range of electromechanical pistons for residential and collective use suitable for swing gates to 4 metres long and weighing up to 700 kg. The new KUSTOS BT B operators have been created to deliver a high degree of protection for the motor, including in particularly dusty locations, thanks to the covered worm screw. Obstacle detection: the management and control system of the D-Track pair maximises safety for people and property, as well as facilitating certification of the system. Installation is quick and easy thanks to the magnetic limit switches at the top of the motor, the exclusive function that assists the installer with correct positioning using the motor's vibration, and the integrated mechanical stops.

THALIA BT A80 DUO

THALIA BT A80 DUO
Control panel with display for one or two 24V electromechanical operators used on 230V swing gates. There are two power modules, which are interchangeable and can operate all motors. The radio receiver is incorporated and the memory of the remote controls is removable and expandable. It has an anti-crushing system based on D-Track technology, it controls the slowing down when opening and closing and has an electronic self-learning function. The main functions include automatic closing, fast closing, partial opening and hold-to-run operation. This panel can be programmed using Bluetooth or remotely via wifi/GSM using a dedicated app. The product complies with the new energy efficiency regulations and therefore has a power consumption on standby of less than 0.5 W.

ZARA BT A80

ZARA BT A80
Control panel with dip switches and potentiometers for one or two 24V operators for swing gates Application: control panel for one or two 24V operators for swing gates Board power supply: 230V single-phase. Operators power supply: 24 VDC, max. 180 W for each operator. Main functions: automatic closing, functions: automatic closing, fast closing, hold-to-run operation Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R Main features: removable terminal block with new colour-coding, simplified dip switch programming and built-in receiver, anti-crush system with D-Track technology, slowdown during opening and closing and electronic learning, pedestrian control by remote control only, electronic lock management. The product complies with the new energy efficiency regulations and therefore has a power consumption on standby of less than 0.5 W.

New

EasyAXS connectivity modules

EasyAXS connectivity modules
With the EasyAXS plug & play connectivity modules, BFT solutions are quick and easy to connect. With EasyAXS you can choose the connectivity solution to suit your customers' needs: just select the Wifi or Mobile module to connect your automation. No need to worry about the distances between the mobile connectivity module and its built-in 4G SIM: no more managing any connections or worrying about the wifi network. All of the modules also offer Bluetooth connectivity, allowing you to connect directly from your smartphone even without an Internet connection.

B EBA WI-FI GATEWAY

B EBA WI-FI GATEWAY
Expansion card for connecting a U-Link device to a domestic wifi network. Connected operators can be controlled, even remotely, using the U-Control application available for Android and iOS smartphones.

EasyAXS B-EBA MOBILE + External Antenna + SIM KIT

EasyAXS B-EBA MOBILE + External Antenna + SIM KIT
4G Mobile connectivity module fitted with external antenna and SIM Data built-in with 1GB of data included. The use of the EasyAXS Mobile connectivity module allows a BFT (U-Link and U-Link2.0) automation to be easily linked to the TaHoma app even in the absence of a wifi network. Furthermore, thanks to the built-in Bluetooth technology, when the module is installed with a U-Link2.0 control unit, this means parameters, logics and radio receivers can be programmed directly from a smartphone thanks to the EasyAXS App.

MITTO COOL

MITTO COOL
Range of remote controls comprising two and four-button models, all with red pin LEDS, available in four colours and with the option of customising the front part. Supports the new U-Security technology and are powered by a
widely available 3V pin battery.

New

MITTO STYLE

MITTO STYLE
Four-channel black remote control with red diffused light LEDs, screen printed logo on the front cover and keyring loop with metal insert. Supports the new U-Security technology and is powered by a widely available 3V coin battery.

BOTTICELLI SMART BT A850 VERDE

BOTTICELLI SMART BT A850 VERDE
Electromechanical operators for intensive/very intensive use, designed for automation of sectional garage doors. Features a very compact design, suitable for installation in any situation, thanks to the wide range of tracks available in various lengths. The control unit and limit switch with mechanical stop encoder are incorporated in the operator and rail respectively. The intensity of use makes them suitable for any type of installation, both residential and municipal. The quick Set-Up function from the ground makes installation fast and easy. The fast opening speed minimises waiting times and maximises comfort for the end user. The exclusive anti-intruder function (SMART models) secures the garage from unwanted intrusion. The new GREEN models are environmentally friendly, drastically reduce emissions and energy requirements, thanks to a consumption on standby lower than 1W and the total use of recyclable material.

ARES VELOCE SMART BT A

ARES VELOCE SMART BT A
Fast-action 24V operator for intensive use for sliding gates weighing up to 500kg and speed without load 25 m/min, or up to 1,000kg and speed without load 18 m/min. The maximum speed actually achievable by the gate panel depends on the condition of the gate. Operator fitted with electromechanical limit switch. Torque control thanks to D-Track technology. The control unit is set up for communication via the U-Link protocol. The ideal solution for situations which require fast operating speeds, reduced waiting times and high levels of security.

ICARO VELOCE SMART AC A

ICARO VELOCE SMART AC A
Fast 230V operators for sliding gates for very intensive use, extremely robust and high-performance thanks to oil bath transmission. Suitable for sliding gates weighing up to 1,000kg and speed without load 25 m/min or up to 2,000 kg and speed without load 18 m/min. The maximum speed actually achievable by the gate panel depends on the condition of the gate. Operator fitted with electromechanical limit switch. Torque control thanks to D-Track technology and encoder for the highest possible precision of movement. Control unit for communication with U-Link protocol and with tamper-proof function. The ideal solution for situations which require fast operating speeds, reduced waiting times and high levels of security.

New

E5 BT A

E5 BT A
24V reversible electromechanical operator for swing gates for pedestrian and vehicular access, for use in homes and apartment buildings. Its small size means it can be installed on small pillars and columns (minimum width required 8cm). The slide arm option means constraints such as walls and obstacles close to the operator can be overcome. The limit switch function is regulated by the absolute encoder. The safety of the operator is guaranteed thanks to the D-track system which precisely determines the position and force with which the gate moves, using the friction inside the operator and the new articulated and slide arms with anti-shear design.

GIOTTO ULTRA 36

GIOTTO ULTRA 36
Range of 24 V electromechanical barriers with opening speeds of between 2.2 and 4 seconds, depending on the length of the bar. Ideal for installation in large car parks, vehicle access points and industrial gates between 2 and 6 m wide. High degree of movement control and impact resistance via encoder. Integrated control unit with U-Link connectivity. Same appearance as Maxima U36 barrier. Wide range of accessories for any type of application.

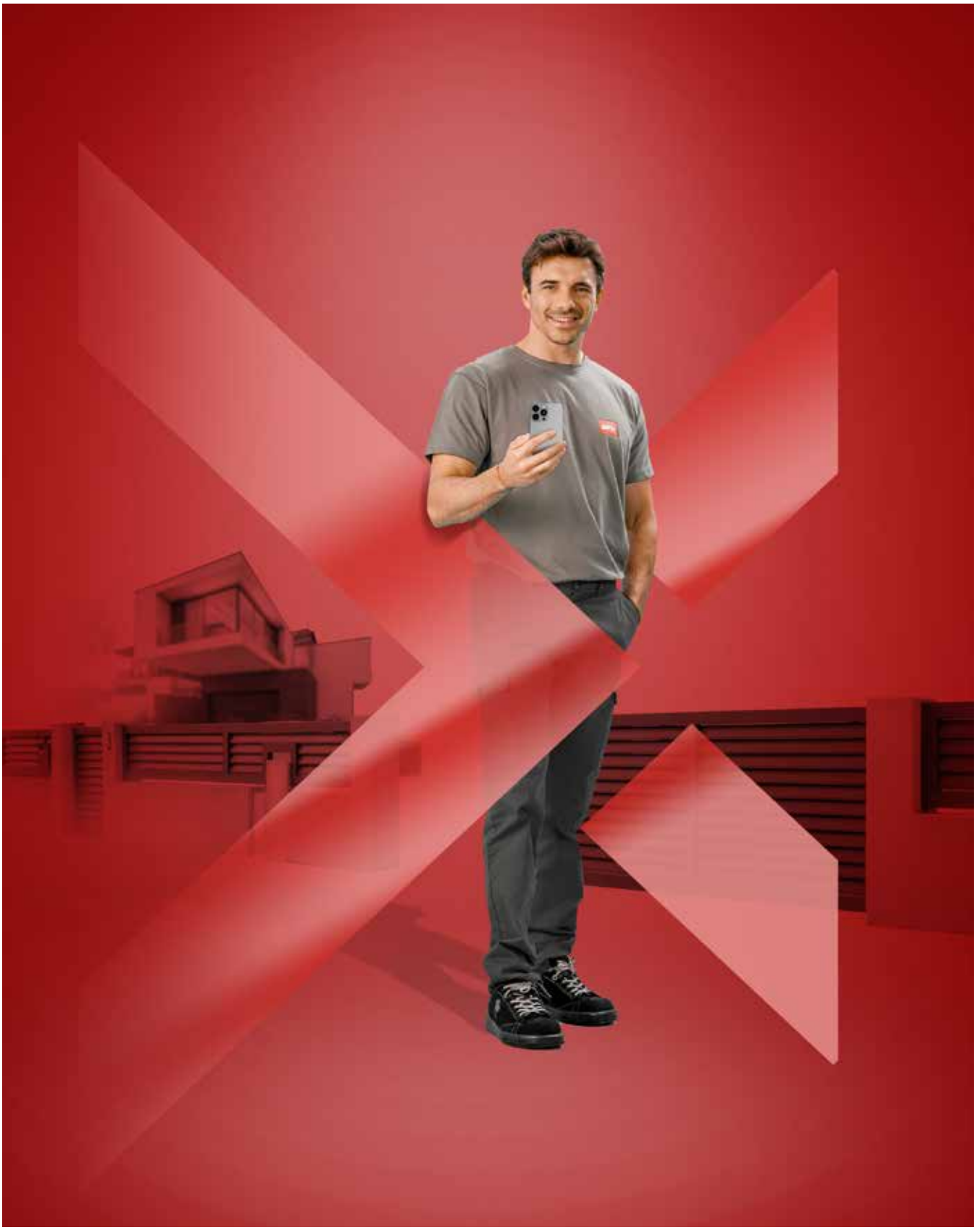
EBP A

EBP A
Vertical drop-down electric lock, for automated swinging gates. The product is an important accessory for completing the installation in order to safeguard gear motors installed on large gates. It is also an essential element for locking the leaves when gates are equipped with reversible operators. Available in 230V, 120V and in the new 24V version, it is directly connected to the control unit. The wide operating temperature range of -20°C +55°C allows it to be used in a large number of applications.

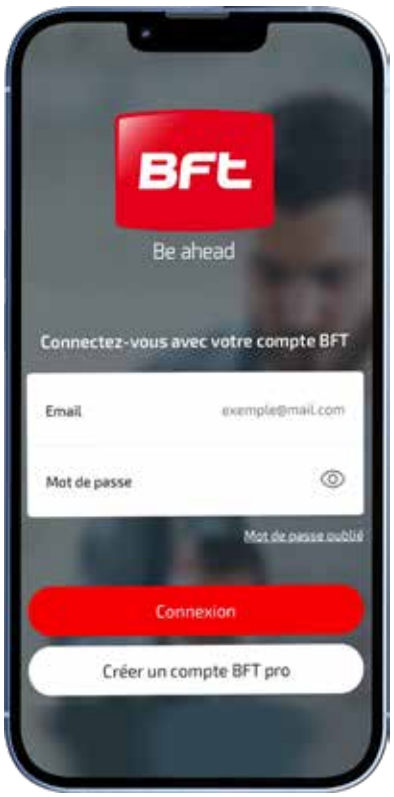
MURA A30

MURA A30
Pair of recessed photocells, ideal solution in a stylish environment. Due to their small size and ability to adjust the beam means easy installation. Extended main supply range of 12-33Vac and 15-35Vdc. Nominal range 30 metres.

Interconnectivity



EasyAXS is the new connectivity solution which boosts the potential of BFT products and services to make access automations smarter and easier to use for both installers and end users. BFT solutions are a great step forward for the access sector. Installers and end users can enjoy from connectivity benefits through the reliable, secure and convenient system.



With the EasyAXS app, configuring your automation is even quicker and easier. Say goodbye to small displays and long, tedious manual tasks: the whole configuration process can be performed intuitively, quickly and comfortably on your smartphone.

Relevant features

EASY CONFIGURATION: Initial configuration of the unit is quick and easy using the guided procedure.

FULL CONTROL FROM YOUR SMARTPHONE: Check and modify all of the unit's parameters and settings.

EASY MANAGEMENT OF REMOTE CONTROLS BY QR CODE: Add and manage the functions of the remote controls from the app.

QUCK AND EASY OPERATIONS: Quick and secure operations using the diagnostics available in the app.

Simple and intuitive, the TaHoma app from Somfy is the best solution for allowing your customers to access their home in a smarter way. At home or remotely, they can control and check their entrances from their smartphone, any time, any place.

Relevant features

INSTANT REGISTRATION: Easy registration using the app without having to use external gateways (TaHoma Switch).

REMOTE CONTROL OF THE AUTOMATION: Remotely send Open/Close/Stop/Pedestrian commands from the TaHoma app.

REAL-TIME MONITORING: The opening status can be checked in real time.

ALWAYS UP-TO-DATE: Notifications about the status of the automation and regular updates via the TaHoma app.

VOICE CONTROL: Manage the automation using Google Assistant or Amazon Alexa.

Cp **Code**

Ci **International code**

U-Link

new New

Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
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control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
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solenoid locks P. 291
release systems P. 292

EasyAXS connectivity modules

With the EasyAXS plug & play connectivity modules, BFT solutions are quick and easy to connect. With EasyAXS you can choose the connectivity solution to suit your customers' needs: just select the Wifi or Mobile module to connect your automation. No need to worry about the distances between the mobile connectivity module and its built-in 4G SIM: no more managing any connections or worrying about the wifi network. All of the modules also offer Bluetooth connectivity, allowing you to connect directly from your smartphone even without an Internet connection.

VERSIONS

new **Cp** P111820 - **Ci** 2614966
EasyAXS B-EBA MOBILE + External Antenna + SIM KIT

4G Mobile connectivity module fitted with external antenna and SIM Data built-in with 1GB of data included. The use of the EasyAXS Mobile connectivity module allows a BFT (U-Link and U-Link2.0) automation to be easily linked to the TaHoma app even in the absence of a wifi network. Furthermore, thanks to the built-in Bluetooth technology, when the module is installed with a U-Link2.0 control unit, this means parameters, logics and radio receivers can be programmed directly from a smartphone thanks to the EasyAXS App.

new **Cp** P111816 - **Ci** 2614967
EasyAXS B-EBA Wifi EVO

Wifi connectivity module with built-in antenna. The use of EasyAXS Wifi connectivity allows a BFT automation (U-Link e U-Link2.0) to be easily linked to the TaHoma app via a home wifi network. Furthermore, thanks to the built-in Bluetooth technology, when the module is installed with a U-Link2.0 control unit, this means parameters, logics and radio receivers can be programmed directly from a smartphone thanks to the EasyAXS App.

new **Cp** P111814 - **Ci** 2613419
EasyAXS B-EBA Wifi EVO + External Antenna KIT

Wifi connectivity module with external antenna. The use of EasyAXS Wifi connectivity allows a BFT automation (U-Link e U-Link2.0) to be easily linked to the TaHoma app via a home wifi network. Furthermore, thanks to the built-in Bluetooth technology, when the module is installed with a U-Link2.0 control unit, this means parameters, logics and radio receivers can be programmed directly from a smartphone thanks to the EasyAXS App.

HOME ACCESS AUTOMATION
BUILDING ACCESS AUTOMATION
URBAN ACCESS AUTOMATION

Designed according to the installer's specific needs for easy management and maintenance of the systems, the innovative U-Base software features an immediate and intuitive user interface and can operate on-line, updating data directly on connected systems or off-line operating on the information present in the local database of the computer on which it is installed.
For operation, the system requires the installation of a B EBA gateway expansion card connected to the control unit and allows interfacing even wirelessly or remotely with Bft control units (U-Link compatible).
The main functions include the possibility of displaying and editing control unit parameters and logics, as well as viewing the list of recorded alarms. Through an immediate graphic interface, also all the functions and parameters of the motors are monitored, displaying the threshold current, absorbed current and the position of the operator in real-time.

Relevant features

The software provides user friendly management of even very complex networks

All functions and parameters are now easy to review and edit on the PC. The GUI also allows the user to review speed and absorption curves in real time.

Code	International code	Name		Description	
P111510	**2600991**	**U-BASE 2 PC**		Management and programming software for Bft control units and receivers. Version for PC, Bluetooth connection	U-Link

RECOMMENDED ACCESSORIES

Cp P111469 - **Ci** 2611272
B EBA BLUE GATEWAY

Expansion board for BLUETOOTH connection management

Cp P111468 - **Ci** 2600811
B EBA RS 485 LINK

Expansion board for connection of central units with serial controls management

Cp P111529 - **Ci** 2600993
U-PROG

Programmer for radio control units and receivers with possibility of wired or BlueTooth connection

Cp D113808 00003 - **Ci** 2607512
CLONIX UNI AC U-LINK 230V

433 MHz external receiver via 3 outputs: 2 with NO contact and one with configurable NO/NC contact. Compatible with U-LINK protocol (features 3 connection ports). Power supply, 230 V, can store up to 2,048 remote controls

Cp P111530 - **Ci** 2611273
B EBA RS 485 GATEWAY

GATEWAY expansion card for management of RS 485 connection

Cp D113805 00002 - **Ci** 2607511
B EBA TCP/IP GATEWAY

Gateway expansion card to connect automation systems in TCP/IP networks via U-Link slot. It manages up to 120 U-Link devices connected via B EBA RS-485 Link.

Cp D113807 00002 - **Ci** 2600587
CLONIX 2E AC U-LINK 230

433 MHz external receiver, compatible with U-LINK protocol (features 3 connection ports). 230 V Power supply, can store up to 2,048 remote controls

Cp Code
Ci International code

U-Link
New
Phase-out

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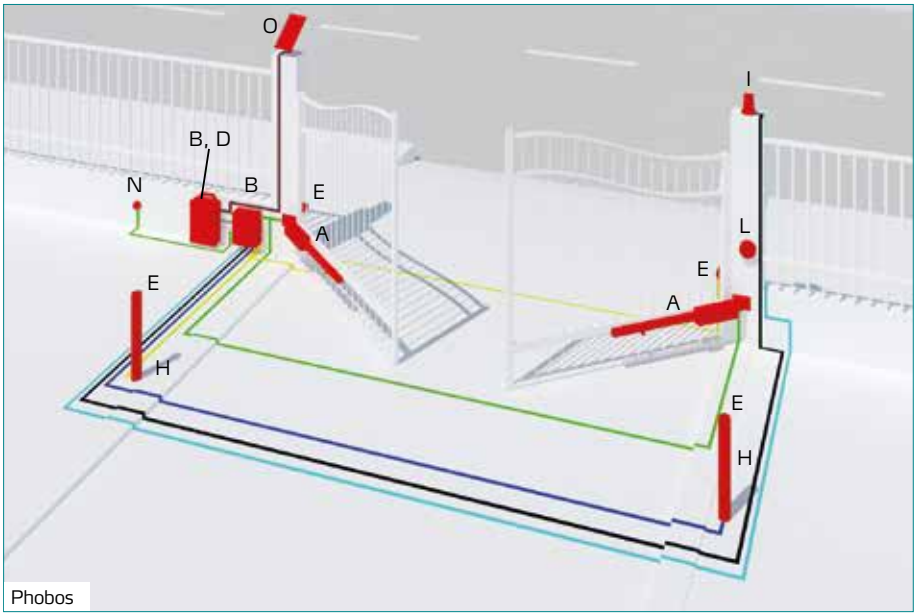
Electromechanical automation systems for swing gates

Guide to choosing

Max. width of door/ gate wing	Max. weight of door/ gate wing	Maximum angle	Motor voltage	Frequency of use	Kit	Model	Plus
electromechanically operated swing gates							
2,5 m	400 kg	116 °	24 V	intensive	-	PHOBOS BT A25	Magnetic limit switch
					●	PHOBOS BT KIT A25 FRA	Magnetic limit switch
		118 °			-	KUSTOS ULTRA BT A25	Covered worm screw Magnetic limit switch
					●	KUSTOS ULTRA BT KIT A25 FRA	Covered worm screw Magnetic limit switch
					-	KUSTOS BT A25	Covered worm screw Magnetic limit switch
					●	KUSTOS BT KIT A25 FRA	Covered worm screw Magnetic limit switch
		119 °	230 V	Semi intensive	-	PHOBOS AC B25	Working time limit switch
					●	PHOBOS AC KIT B25 INT	Working time limit switch
		120 °	120 V		-	PHOBOS AC A25 120 V	Working time limit switch
			230 V		-	PHOBOS AC A25	Working time limit switch
					●	PHOBOS AC KIT A25 FRA	Working time limit switch
		130 °	120 V		-	PHOBOS AC B25 120 V	Working time limit switch
	700 kg	110 °	230 V		-	ATHOS AC A25 AR	
					-	ATHOS AC A25 AL	
					●	ATHOS AC KIT A25 EU	
3 m	400 kg	119 °	24 V	intensive	-	PHOBOS BT B25	Magnetic limits at the top.
					●	PHOBOS BT B25 SMART KIT INT	Magnetic limits at the top.
					-	KUSTOS BT B25	Covered worm screw Magnetic limit switch on top.
					●	KUSTOS BT B25 SMART KIT INT	Covered worm screw Magnetic limit switch on top.
	450 kg	130 °			-	PHOBOS BT B35 VELOCE	Movement time reduced.
					●	PHOBOS VELOCE BT B35 SMART KIT INT	Movement time reduced.
4 m	400 kg	110 °	230 V	Semi intensive	-	ATHOS AC A40 AR	
					-	ATHOS AC A40 AL	
					●	ATHOS AC KIT A40 EU	
	500 kg	124 °	24 V	intensive	-	PHOBOS BT A40	Magnetic limit switch
					●	PHOBOS BT KIT A40 FRA	Magnetic limit switch
		126 °			-	KUSTOS ULTRA BT A40	Covered worm screw Magnetic limit switch
					●	KUSTOS ULTRA BT KIT A40 FRA	Covered worm screw Magnetic limit switch
					-	KUSTOS BT A40	Covered worm screw Magnetic limit switch
					●	KUSTOS BT KIT A40 FRA	Covered worm screw Magnetic limit switch
	700 kg	124 °			-	KUSTOS BT B40	Covered worm screw Magnetic limit switch on top.
					●	KUSTOS BT B40 SMART KIT INT	Covered worm screw Magnetic limit switch on top.
		130 °			-	PHOBOS BT B40	Magnetic limits at the top.
					●	PHOBOS BT B40 SMART KIT INT	Magnetic limits at the top.
5 m	500 kg	129 °	120 V	Semi intensive	-	PHOBOS AC A50 120V	Working time limit switch
			230 V		-	PHOBOS AC A50	Working time limit switch
					●	PHOBOS AC KIT A50 FRA	Working time limit switch
		130 °			-	PHOBOS AC B50	Working time limit switch
					●	PHOBOS AC KIT B50 INT	Working time limit switch

Max. width of door/ gate wing	Max. weight of door/ gate wing	Maximum angle	Motor voltage	Frequency of use	Kit	Model	Plus
electromechanical swing operators with articulated arm							
1,2 m	80 kg	130 °	24 V	very intensive	-	E5 BT A12	Absolute encoder limit switch
					●	E5 SMART BT KIT A12	Absolute encoder limit switch
1,8 m	100 kg			Semi intensive	-	E5 BT A18	Absolute encoder limit switch
					●	E5 SMART BT KIT A18	Absolute encoder limit switch
2 m	200 kg	120 °			-	VIRGO SMART BT A 20	Limit switch Electromechanical.
					-	VIRGO SMART BT A 20 SLAVE	Limit switch Electromechanical.
					●	VIRGO SMART BT A 20 KIT INT	Limit switch Electromechanical.
2,5 m	250 kg	125 °		intensive	-	IGEA BT	Limit switch Electromechanical.
					●	IGEA BT KIT FRA	Limit switch Electromechanical.
					●	IGEA BT KIT FRA THALIA	Limit switch Electromechanical.
			230 V		-	IGEA	Limit switch Electromechanical.
					●	IGEA KIT FRA	Limit switch Electromechanical.
swing gates with underground electromechanical operator							
3,5 m	500 kg	120 °	24 V	intensive	-	ELI VELOCE BT A35	Relative encoder limit switches
			230 V		-	ELI VELOCE AC A35	Magnetic limit switches - Optional
4 m	700 kg		24 V	Continuous	-	ELI BT A40	Relative encoder limit switches
			230 V	intensive	-	ELI AC A40	Magnetic limit switches - Optional

Installation guide



Phobos

A	Operator
B	Control unit
C	Backup Batteries
D	Receiver
E	Photocell
H	Post
I	Blinker
L	Control system (key selector switch, keypad, badge reader)
N	Junction box
O	Solar panel
	2x1,5
	3x1,5
	RG 58
	5x1
	2x1
	9x0,5
	4x2,5

Control unit electromechanical swing gates

	ALENA SW2	ALENA SW2 120V	RIGEL 6 220-230V 50/60HZ	ZARA BT A80	ZARA BT L2	THALIA BT A80 DUO	THALIA P	THALIA
BASIC CHARACTERISTIS								
Motors	1	2	2	2	2	2	2	2
Maximum output	400+400 W	400+400 W	750 W	180+180 W	40+40 W	180+180 W	240+240 W	180+180 W
Connectivity			●	●		●	●	●
eelink			●				●	●
erready	●	●	●	●	●	●	●	●
Board power supply	220-230 V	110-120 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V
Max. n. transmitters	63	63	63	128	63	128	63	63
Programming	DIP+TRIMMER	DIP+TRIMMER	DISPLAY	DIP+TRIMMER	DIP+TRIMMER	DISPLAY	DISPLAY	DISPLAY
Autoset			●	●	●	●	●	●
Password			●			●	●	●
Power supply accessories	24V - 0,2A	24V - 0,2A	24V - 1A	24V - 0,25A	24V - 0,2A	24V - 1A	24V - 1A	24V - 1A

Cp **Code**

Ci **International code**

U-Link

New

Phase-out

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Control unit electromechanical swing gates

	ALENA SW2	ALENA SW2 120V	RIGEL 6 220-230V 50/60HZ	ZARA BT A80	ZARA BT L2	THALIA BT A80 DUO	THALIA P	THALIA
ADVANCED FEATURES								
Separate safety inputs	●	●	●	●	●	●	●	●
Obstacle detection			●	●	●	●	●	●
Obstacle sensitivity			●					
Electronic torque adjustment			●	●	●	●	●	●
Separate limit switch inputs			●	●	●	●	●	●
Motor pre-heating			●					
Clock/Calendar			●					
DIAGNOSTICS								
Error diagnostics	LED	LED	DISPLAY			DISPLAY	DISPLAY	DISPLAY
CLAMPS								
Optional card			●	●		●	●	●
External programming			●	●		●	●	●
Temperature sensor			●					
Antenna	●	●	●	●	●	●	●	●
CONFIGURATION OF SAFETY INPUTS								
Light sensor	●	●	●	●	●	●	●	●
Safety edge	●	●	●	●	●	●	●	●
Resistive edge	●	●	●	●	●	●	●	●
Tested photocell	●	●	●	●	●	●	●	●
Tested safety edge	●	●	●	●	●	●	●	●
Stop	●	●	●	●	●	●	●	●
LIMIT SWITCH FOR INPUTS								
Limit switch for opening	●	●	●	●	●	●	●	●
Limit switch for closing	●	●	●	●	●	●	●	●
CONFIGURATION OF CONTROL INPUTS								
Start	●	●	●	●	●	●	●	●
Traffic light control			●			●	●	●
Open	●	●	●	●	●	●	●	●
Close			●	●		●	●	●
Pedestrian open			●	●		●	●	●
Open with timer			●			●	●	●
Pedestrian open with timer			●			●	●	●
OUTPUTS								
Blinker	230V - 40W	230V - 40W	230V - 80W	24V - 2W	24V - 1A	24V - 1A	24V - 1A	24V - 1A
Configurable AUX 1	No	No	●	24V - 1A		24V - 1A	230 - 5A	No
Configurable AUX 2	No	No	●			No	230 - 5A	No
Configurable AUX 3	No	No	●			No	24V - 1A	24V - 1A
Solenoid Lock	No	No	12V	●	●	24V - 30W	12/24V	No
Courtesy Light				●		●		
OUTPUTS CONFIGURATION								
Gate open warning light			●	●		●	●	●
Courtesy light			●	●		●	●	●
Zone light			●			●	●	●
Stairs light			●			●	●	●
Gate open alarm			●			●	●	●
Blinker			●	●		●	●	●
Electric release lock			●	●	●	●	●	●
Electric magnetic lock			●			●	●	●
Maintenance			●			●	●	●
Flashing + Maintenance			●			●	●	●
Gate status			●			●		
Bistable radio channel			●					
Time delay radio channel			●					
LOGICS								
Residential/Condominium	●	●	SI non in logiche	●	●	●	SI non in logiche	SI non in logiche
Photocell/Photocell closing	●	●	●	●	●	●	●	●
Check Photocell input	●	●	●	●	●		●	
Safefy edge/Resistive edge	●	●	●	●	●	●	●	
Check safety edge input	●	●	●	●	●		●	
Operation Photocell input	●	●	●	●	●		●	

Control unit electromechanical swing gates

	ALENA SW2	ALENA SW2 120V	RIGEL 6 220-230V 50/60HZ	ZARA BT A80	ZARA BT L2	THALIA BT A80 DUO	THALIA P	THALIA
Pulse blocking			●	●	●	●	●	●
Pulse blocking opening			●	●	●	●	●	●
Pulse blocking TCA			●			●	●	●
Pulse blocking closing			●			●	●	●
Reversing stroke								
Reversing stroke closing			●	●		●	●	●
Reversing stroke opening			●	●	●	●	●	●
Maintain lock			●			●	●	●
Pedestrian opening			●			●	●	●
Quick closing	●	●	●	●	●	●	●	●
Pre-alarm			●			●	●	●
Deadman			●			●	●	●
Emergency deadman	No	No	●			●	●	●
One motor active			●	●	●	●	●	●
Brake			●					
ICE feature						●	●	●
Choose motor type						●	●	●
Inversion motor phase shift						●	●	●
master/slave			●			●	●	●
2 steps			●			●	●	●
3 steps			●	●	●	●	●	●
4 steps	●	●	●	●	●	●	●	●
PARAMETERS								
Automatic Closing Time (TCA)								
work time	5-120 s	5-120 s	3-180 s	No	No	No	No	No
Opening delay time	No s	No s	0-30 s			0-10 s	0-10 s	0-10 s
Closing delay time	No	No	0-30 s	0-25 s	0-25%	0-25 s	0-25 s	0-25 s
Leaf force	No	No	1-99%	10-100%	10-100%	1-99%	1-99%	1-99%
Leaf force slowdown	No	No	1-99%	No	No	No	No	No
Slowdown Time	No	No	0-30 s	No	No	No	No	No
Slowdown Speed								
Slowdown Space Opening	No	No	No	5-50%	5-50%	0-50%	0-50%	0-50%
Slowdown Space Closing	No	No	No	5-50%	5-50%	0-50%	0-50%	0-50%
Deceleration Space	No	No	No	No	No	0-50%	0-50%	0-50%
Pedestrian opening	No	No	3-90 s	No	No	10-99%	10-99%	10-99%
Number of Movements Programming	No	No	0-250	No	No	No	No	No
Time to Clear Traffic Light Area	No	No	1-180 s	No	No	1-180 s	1-180 s	1-180 s
Brake	No	No	0-99%	No	No	No	No	No
Emergency Brake	No	No	0-99%	No	No	No	No	No
Opening Speed								
Closing Speed								
Output Time Delay Activation Time	No	No	1-240 s	No	No	No	No	No
Pre-heating	No	No	0-99%	No	No	No	No	No
Obstacle Sensitivity								

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U-Link

new New

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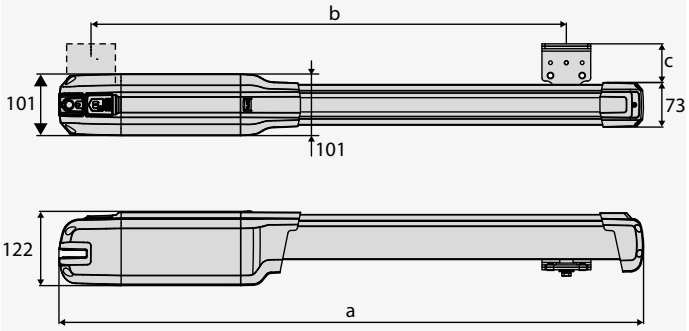
PHOBOS BT B

HOME
BUILDING
d-track
24 V
U-Link
U-Security
EasyAXS

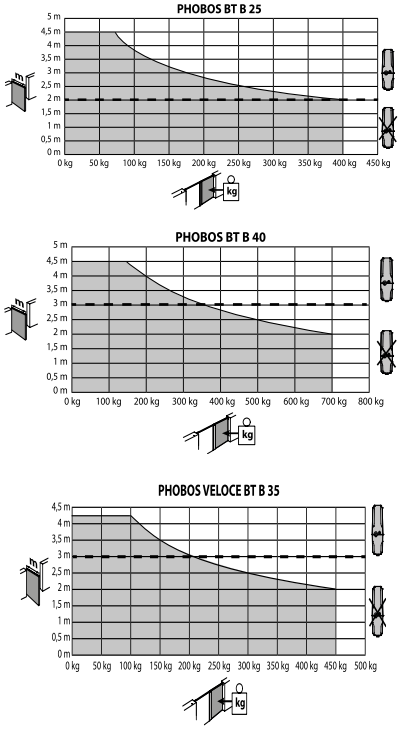
Full range of electromechanical pistons for residential and collective use suitable for swing gates to 4 metres long and weighing up to 700 kg. Obstacle detection: the management and control system of the D-Track pair maximises safety for people and property, as well as facilitating certification of the system. Installation is easy and fast thanks to the magnetic limit switch at the top of the motor and the exclusive function that helps the installer to position it correctly using the motor's vibration.

DIMENSIONS (mm)



	a	b	c
PHOBOS BT B 25	810	Cu MAX 360	63
PHOBOS BT B 40	960	Cu MAX 470	96
PHOBOS BT B 35 VELOCE	960	Cu MAX 470	96

INSTALLATION DIMENSIONS



TECHNICAL FEATURES

	PHOBOS BT B25	PHOBOS BT B40	PHOBOS BT B35 VELOCE
Board power supply	230 V	230 V	230 V
Control unit	THALIA BT A80, ZARA BT A80	THALIA BT A80, ZARA BT A80	THALIA BT A80, ZARA BT A80
Operator type	electromechanically operated swing gates	electromechanically operated swing gates	electromechanically operated swing gates
Operator weight	4,8 kg	5,2 kg	5,2 kg
Max. width of door/gate wing	3 m	4 m	3 m
Max. length gate panel without electric lock	2 m	3 m	2,5 m
Max. weight of door/gate wing	400 kg	700 kg	450 kg
Motor voltage	24 V	24 V	24 V
Power consumption	40 W	40 W	50 W
Thrust and traction force	2000 N	2000 N	1300 N
Useful rod stroke	360 mm	470 mm	470 mm
Maximum angle	119 °	130 °	130 °
Movement time (90°, excluding slowdown, with maximum gate size and weight)	approx, 13 s	approx, 16 s	approx, 10 s
Type of limit switch	Magnetic	Magnetic	Magnetic
Slowdown	Yes	Yes	Yes
Impact reaction	D-Track	D-Track	D-Track
Locking	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key
Max. opening cycles per hour	30	30	25
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C
Protection rating	IP44	IP44	IP44

Code	International code	Name		Description
P935129 00002	2614565	PHOBOS BT B25	new	Irreversible electromechanical operator 24 V for swing gates weighing up to 400 kg and 3 m long. Magnetic limits at the top.
P935130 00002	2614566	PHOBOS BT B40	new	Irreversible electromechanical operator 24 V for swing gates weighing up to 700 kg and 4 m long. Magnetic limits at the top.
P935131 00002	2614567	PHOBOS BT B35 VELOCE	new	Irreversible electromechanical operator 24 V for swing gates weighing up to 450 kg and 3 m long. Movement time reduced.
R935358 00003	2614857	PHOBOS BT B25 SMART KIT INT	new	Complete kit 24 V for swing gates up to 400 kg in weight and 3 m in length. Magnetic limits at the top.
R935359 00003	2614861	PHOBOS BT B40 SMART KIT INT	new	Complete kit 24 V for swing gates up to 700 kg in weight and 4 m in length. Magnetic limits at the top.
R935360 00003	2614868	PHOBOS VELOCE BT B35 SMART KIT INT	new	Complete kit 24 V for swing gates up to 450 kg in weight and 3 m in length. Magnetic limits at the top.

THALIA BT A80 DUO: Control panel for one or two 24V operators for swing gates, for highly complex systems. The product complies with the new energy efficiency regulations. U-Link EasyAXS new

Cp D114215 00002 - **Ci** 2614324 - **THALIA BT A80 DUO - Recommended**

- Control panel for one or two 24V operators for swing gates, for highly complex systems.
- Application: control panel for one or two 24V operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated receiver, D-Track anti-crushing system , slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge 8K2.
- Compatibility: LIBRA C MA, LIBRA C LX, LIBRA, LIBRA R, LIBRA MA R

VITAL ACCESSORIES

U-Link EasyAXS new **Cp** D114218 00002 - **Ci** 2614325
ZARA BT A80

Control panel with dip switches and potentiometers for one or two 24V operators for swing gates. The product complies with the new energy efficiency regulations.

RECOMMENDED ACCESSORIES

new **Cp** P111821 - **Ci** 2614326
EBD

Inputs and outputs expansion card for Thalia BT A card. Includes two command inputs and four non-programmable security inputs.

new **Cp** P111822 - **Ci** 2614334
EBT

Input and output expansion card for ZARA BT A. Includes two outputs, two command inputs and four non-programmable security inputs.

new **Cp** N335008 - **Ci** 2614979
APSP

Adapter kit for PHOBOS BT A bracket.

Cp N735002 - **Ci** 2601324
SFR B

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)

Cp N735003 - **Ci** 2601367
SFR-L B

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)

Cp N735002 00001 - **Ci** 2601273
SFR B - COMPLETE

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp N735003 00001 - **Ci** 2601392
SFR-L B - COMPLETE

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp D730178 - **Ci** 2600090
PLE

Anchor plate for attaching the rear mountings to masonry pillars for LUX, ORO, and PHOBOS operators.

new **Cp** P125052 - **Ci** 2614986
BBT BAT CBOX DUO

Emergency battery kit for DUO series panels, complete with wiring and power supply card. Version for installation inside the box.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

new **Cp** N998613 - **Ci** 2613836
AMIP

PHOBOS built-in mechanical stops.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

PHOBOS BT A

HOME

d-track

24 V

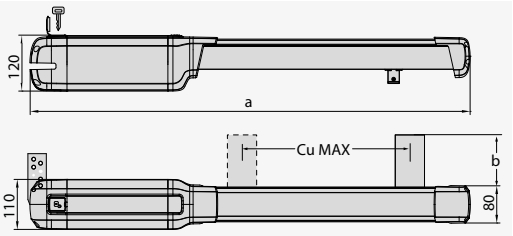
U-Link

U-Security

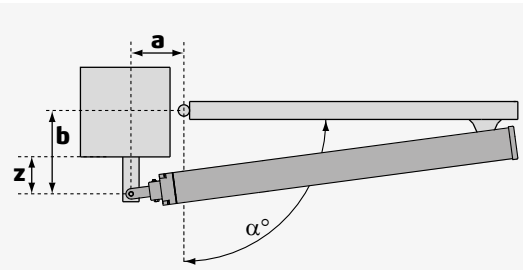
EasyAXS

Complete range of electromechanical pistons for residential use, suitable for swing gate leaves up to 4 metres wide and weighing up to 500 kg.
Obstacle detection: the management and control system of the D-Track pair ensures maximum safety for people and property, as well as facilitating certification of the system

DIMENSION (mm)



	a	b	Cu MAX
Phobos BT A25	850	72,5	290
Phobos BT A40	960	108	400
Phobos AC A25	850	72,5	350
Phobos AC A40	960	108	460



INSTALLATION DIMENSIONS

PHOBOS BT A25

z > 60 (mm) / b (mm)	a (mm) 100	110	120	130	140	150	160	170
100				114	116	108	102	97
110				112	108	103	98	95
120				111	105	99	95	
130			107	105	100	95	92	
140			105	100	95	92		
150		105	100	95	92			
160		101	95	92	89			
170	101	93	91	89				
180	92	90	88					
190	90	87						
200	87							α°

PHOBOS BT A40

z > 60 (mm) / b (mm)	a (mm) 100	110	120	130	140	150	160	170	180	190	200	210	220	230
130	100	104	107	110	113	116	119	121	124	123	114	109	104	101
140	100	103	106	109	112	115	118	120	122	116	110	107	102	98
150	99	102	105	108	111	114	117	119	120	112	106	102	98	95
160	98	101	105	107	110	113	115	116	114	109	103	99	96	
170	97	110	104	107	109	112	114	113	109	105	100	96	93	
180	97	100	103	106	108	111	113	109	105	100	97	93		
190	97	100	102	105	107	109	112	106	101	96	93			
200	97	99	101	104	106	106	106	100	97	93				
210	96	98	101	103	106	104	103	97	92					
220	96	98	101	103	105	101	97	93						
230	96	98	101	103	105	97	93							
240	95	97	99	99	96	92								
250	95	97	97	95	91									
260	95	97	95	91										

TECHNICAL FEATURES

	PHOBOS BT A25	PHOBOS BT A40
Control unit	THALIA BT A80, ZARA BT A 80, THALIA, ZARA	THALIA BT A80, ZARA BT A 80, THALIA, ZARA
Board power supply	230 V	230 V
Motor voltage	24 V	24 V
Power consumption	40 W	40 W
Max. width of door/gate wing	2,5 m	4 m
Max. weight of door/gate wing	400 kg	500 kg
Useful rod stroke	290 mm	400 mm
Maximum angle	116 °	124 °
Movement time (90°, excluding slowdown, with maximum gate size and weight)	approx, 15 secs	approx, 20 secs
Type of limit switch	Magnetic	Magnetic
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Personal key	Personal key
Impact reaction	D-Track	D-Track
Frequency of use	intensive	intensive
Protection rating	IPX4	IPX4
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description
P935096 00002	**2600865**	PHOBOS BT A25	Ph. Out	Irreversible electromechanical operator 24 V for swing gates weighing up to 400 kg and 2,5 m long. Magnetic limit switch
P935095 00002	**2600864**	PHOBOS BT A40	Ph. Out	Irreversible electromechanical operator 24 V for swing gates weighing up to 500 kg and 4 m long. Magnetic limit switch
R935306 00005	**2611932**	PHOBOS BT KIT A25 FRA	Ph. Out	Complete kit 24 V for swing gates up to 400 kg in weight and 2,5 m in length. Magnetic limit switch
R935309 00005	**2611941**	PHOBOS BT KIT A40 FRA	Ph. Out	Complete kit 24 V for swing gates up to 500 kg in weight and 4 m in length. Magnetic limit switch

THALIA BT A80 DUO: Control panel for one or two 24V operators for swing gates, for highly complex systems. The product complies with the new energy efficiency regulations.

U-Link EasyAXS new

Cp D114215 00002 - **Ci** 2614324 - **THALIA BT A80 DUO** - **Recommended**

- Control panel for one or two 24V operators for swing gates, for highly complex systems.
- Application: control panel for one or two 24V operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated receiver, D-Track anti-crushing system , slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge 8K2.
- Compatibility: LIBRA C MA, LIBRA C LX, LIBRA, LIBRA R, LIBRA MA R

VITAL ACCESSORIES

Cp D113745 00002 - **Ci** 2600477
THALIA

Control panel with display for one or two 24V electromechanical operators for swing gates

U-Link EasyAXS new **Cp** D114218 00002 - **Ci** 2614325
ZARA BT A80

Control panel with dip switches and potentiometers for one or two 24V operators for swing gates. The product complies with the new energy efficiency regulations.

Cp D113747 00002 - **Ci** 2600583
THALIA P

Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems

Cp D113796 00002 - **Ci** 2607507
ZARA BT L2

Control panel with dip switches and potentiometers for one or two 24V operators for swing gates.

RECOMMENDED ACCESSORIES

new **Cp** P111821 - **Ci** 2614326
EBD

Inputs and outputs expansion card for Thalia BT A card. Includes two command inputs and four non-programmable security inputs.

new **Cp** P111822 - **Ci** 2614334
EBT

Input and output expansion card for ZARA BT A. Includes two outputs, two command inputs and four non-programmable security inputs.

Cp N733427 - **Ci** 2600791
ARB PHOBOS N

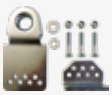
Front and rear adjustable bracket for PHOBOS operator

Cp N733428 - **Ci** 2600792
ARB PHOBOS N L

Front and rear adjustable bracket for PHOBOS operator

Cp N733427 00001 - **Ci** 2610951
ARB PHOBOS 25

Adjustable front mounting bracket, Phobos A 25



Cp N733428 00001 - **Ci** 2610952
ARB PHOBOS 40

Adjustable front mounting bracket, Phobos A 40

Cp N735002 - **Ci** 2601324
SFR B

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)

Cp N735003 - **Ci** 2601367
SFR-L B

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)

Cp N735002 00001 - **Ci** 2601273
SFR B - COMPLETE

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp N735003 00001 - **Ci** 2601392
SFR-L B - COMPLETE

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp D730178 - **Ci** 2600090
PLE

Anchor plate for attaching the rear mountings to masonry pillars for LUX, ORO, and PHOBOS operators.

new **Cp** P125052 - **Ci** 2614986
BBT BAT CBOX DUO

Emergency battery kit for DUO series panels, complete with wiring and power supply card. Version for installation inside the box.

Cp P125020 - **Ci** 2600844
BBT BAT

Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

new **Cp** N998613 - **Ci** 2613836
AMIP

PHOBOS built-in mechanical stops.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph Out Phase-out

EasyAxs: P. 282

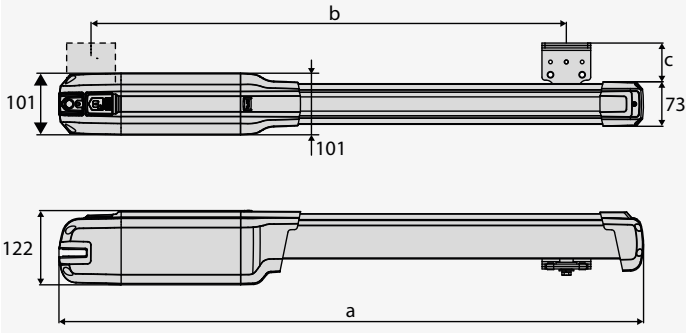
Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

PHOBOS AC B

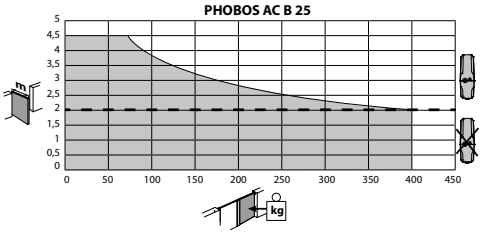
Complete range of electro-mechanical pistons for residential use, suitable for swing gates up to 5 metres in length and up to 500 kg in weight.

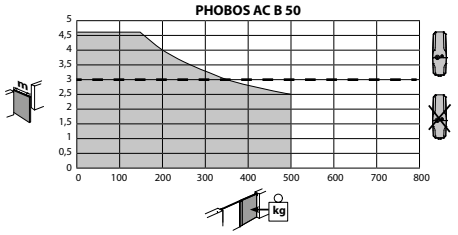
DIMENSIONS (mm)



	a	b	c
PHOBOS AC B 25	810	Cu MAX 310	63
PHOBOS AC B 50	960	Cu MAX 470	98

INSTALLATION DIMENSIONS





TECHNICAL FEATURES

	PHOBOS AC B25	PHOBOS AC B50	PHOBOS AC B25 120 V
Board power supply	230 V	230 V	230 V
Control unit	RIGEL 6, ALENA SW2	RIGEL 6, ALENA SW2	ALENA SW2
Operator weight	5 kg	7,7 kg	7,7 kg
Operator type	electromechanically operated swing gates	electromechanically operated swing gates	electromechanically operated swing gates
Max. weight of door/gate wing	400 kg	500 kg	400 kg
Max. width of door/gate wing	2,5 m	5 m	2,5 m
Max. length gate panel without electric lock	1,8 m	3 m	1,8 m
Motor voltage	230 V	230 V	120 V
Power consumption	210 W	210 W	210 W
Thrust and traction force	2000 N	2000 N	2000 N
Useful rod stroke	360 mm	470 mm	360 mm
Maximum angle	119 °	130 °	130 °
Movement time (90°, excluding slowdown, with maximum gate size and weight)	approx, 18 s	approx, 22 s	approx, 22 s
Type of limit switch	work time	work time	work time
Slowdown	Yes	Yes	Yes
Impact reaction	Electronic clutch	Electronic clutch	Electronic clutch
Locking	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key
Max. opening cycles per hour	30	30	
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C
Protection rating	IP44	IP44	IPX4
Actuator weight	5 kg	7,7 kg	7,7 kg

Code	International code	Name		Description
P935132 00002	2614569	PHOBOS AC B25	new	Irreversible electromechanical operator 230 V for swing gates weighing up to 400 kg and 2,5 m long. Working time limit switch
P935133 00002	2614570	PHOBOS AC B50	new	Irreversible electromechanical operator 230 V for swing gates weighing up to 500 kg and 5 m long. Working time limit switch
P935132 00001	2614568	PHOBOS AC B25 120 V	new	Irreversible electromechanical operator 120 V for swing gates weighing up to 400 kg and 2,5 m long. Working time limit switch
R935356 00002	2614571	PHOBOS AC KIT B25 INT	new	Complete kit 230 V for swing gates up to 400 kg in weight and 2,5 m in length.
R935357 00002	2614572	PHOBOS AC KIT B50 INT	new	Complete kit 230 V for swing gates up to 500 kg in weight and 5 m in length. Working time limit switch

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators

Cp D113833 00002 - **Ci** 2600589 - **RIGEL 6 220-230V 50/60HZ - Recommended**

- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators , weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

VITAL ACCESSORIES

Cp D113811 00004 - **Ci** 2607514
ALENA SW2

Control panel with slow-down, dip switches and potentiometers for one or two 230V 400W+400W, operators for swing gates and industrial folding doors

Cp D113811 00003 - **Ci** 2607513
ALENA SW2 120V

ALENA SW2 120V control panel

RECOMMENDED ACCESSORIES

new **Cp** N335008 - **Ci** 2614979
APSP

Adapter kit for PHOBOS BT A bracket.

Cp N735002 - **Ci** 2601324
SFR B

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)

Cp N735003 - **Ci** 2601367
SFR-L B

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)

Cp N735002 00001 - **Ci** 2601273
SFR B - COMPLETE

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp N735003 00001 - **Ci** 2601392
SFR-L B - COMPLETE

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp D730178 - **Ci** 2600090
PLE

Anchor plate for attaching the rear mountings to masonry pillars for LUX, ORO, and PHOBOS operators.

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** N998613 - **Ci** 2613836
AMIP

PHOBOS built-in mechanical stops.

new **Cp** P123032 00001 - **Ci** 2613516
EBP AC A 230V 50/60HZ

230V vertical electric lock.

new **Cp** P123032 00002 - **Ci** 2613517
EBP AC A 120V 50/60Hz

120V vertical electric lock.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
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safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

PHOBOS AC A

er ready

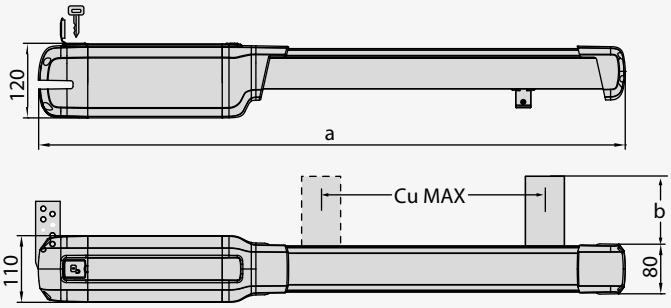
rolling code

ee link

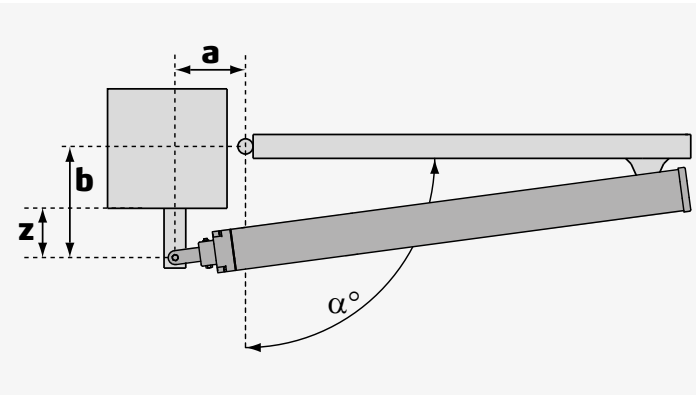
U-Link

Complete range of electro-mechanical pistons for residential use, suitable for swing gates up to 5 metres in length and up to 500 kg in weight.
Simplified and intuitive wiring: the new ALENA control units allow slowdowns, are equipped with standardised and coloured terminal blocks for the simple connection of operators and accessories.

DIMENSION (mm)



	a	b	Cu MAX
Phobos BT A25	850	72,5	290
Phobos BT A40	960	108	400
Phobos AC A25	850	72,5	350
Phobos AC A40	960	108	460



INSTALLATION DIMENSIONS

PHOBOS AC A25

z > 60 (mm)	a (mm)								
b (mm)	100	110	120	130	140	150	160	170	180
100				114	116	120	123	123	115
110				112	116	119	122	119	110
120				111	114	117	120	123	
130			107	110	113	116	116		
140		102	106	109	112	115	110		
150		101	105	108	111	110			
160	98	101	104	107	110				
170	97	100	103	106					
180	97	99	102						
190	96	99							
200	96								α°

PHOBOS AC A50

z > 60 (mm)	a (mm)													
b (mm)	100	110	120	130	140	150	160	170	180	190	200	210	220	230
130	97	100	104	108	111	115	118	120	123	125	127	129	125	120
140	97	100	105	108	111	114	117	119	122	124	126	125	120	116
150	98	101	105	108	111	113	116	118	121	123	125	120	116	112
160	98	101	104	107	110	113	115	118	120	122	124	118	113	110
170	97	100	103	106	109	112	114	117	119	121	123	115	111	
180	97	100	103	105	108	111	113	116	118	118	118	113		
190	97	100	102	104	107	110	112	115	117	113	114			
200	96	99	101	103	106	109	111	114	116	115				
210	96	98	101	103	106	108	110	112	115					
220	95	98	101	103	106	108	109	111						
230	95	98	100	102	105	107	109							
240	95	97	99	101	104	105								
250	94	96	99	100	103									
260	94	96	98	100										α°

TECHNICAL FEATURES

	PHOBOS AC A25	PHOBOS AC A50	PHOBOS AC A25 120 V	PHOBOS AC A50 120V
Control unit	RIGEL 6, ALENA SW2	RIGEL 6, ALENA SW2	ALENA SW2	ALENA SW2
Board power supply	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	120 V	120 V
Power consumption	210 W	210 W	210 W	210 W
Max. width of door/gate wing	2,5 m	5 m	2,5 m	5 m
Max. weight of door/gate wing	400 kg	500 kg	400 kg	500 kg
Useful rod stroke	350 mm	460 mm	350 mm	460 mm
Maximum angle	120 °	129 °	120 °	129 °
Movement time (90°, excluding slowdown, with maximum gate size and weight)	approx, 18 s	approx, 22 s	approx, 18 s	approx, 22 s
Type of limit switch	work time	work time	work time	work time
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key	Personal key
Impact reaction	Electronic clutch	Electronic clutch	Electronic clutch	Electronic clutch
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Protection rating	IPX4	IPX4	IPX4	IPX4
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description
P935098 00002	2600866	PHOBOS AC A25	Ph. Out	Irreversible electromechanical operator 230 V for swing gates weighing up to 400 kg and 2,5 m long. Working time limit switch
P935097 00002	2600541	PHOBOS AC A50	Ph. Out	Irreversible electromechanical operator 230 V for swing gates weighing up to 500 kg and 5 m long. Working time limit switch
P935098 00001	2611758	PHOBOS AC A25 120 V	Ph. Out	Irreversible electromechanical operator 120 V for swing gates weighing up to 400 kg and 2,5 m long. Working time limit switch
P935097 00001	2611757	PHOBOS AC A50 120V	Ph. Out	Irreversible electromechanical operator 120 V for swing gates weighing up to 500 kg and 5 m long. Working time limit switch
R935304 00003	2600887	PHOBOS AC KIT A25 FRA	Ph. Out	Complete kit 230 V for swing gates up to 400 kg in weight and 2,5 m in length. Working time limit switch
R935305 00003	2600888	PHOBOS AC KIT A50 FRA	Ph. Out	Complete kit 230 V for swing gates up to 500 kg in weight and 5 m in length. Working time limit switch

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators

Cp D113833 00002 - **Ci** 2600589 - **RIGEL 6 220-230V 50/60HZ - Recommended**

- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators , weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

VITAL ACCESSORIES

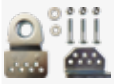
Cp D113811 00004 - **Ci** 2607514
ALENA SW2

Control panel with slow-down, dip switches and potentiometers for one or two 230V 400W+400W, operators for swing gates and industrial folding doors

Cp D113811 00003 - **Ci** 2607513
ALENA SW2 120V

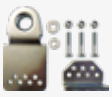
ALENA SW2 120V control panel

RECOMMENDED ACCESSORIES



Cp N733427 00001 - **Ci** 2610951
ARB PHOBOS 25

Adjustable front mounting bracket, Phobos A 25



Cp N733428 00001 - **Ci** 2610952
ARB PHOBOS 40

Adjustable front mounting bracket, Phobos A 40

Cp N735002 - **Ci** 2601324
SFR B

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)

Cp N735003 - **Ci** 2601367
SFR-L B

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)

Cp N735002 00001 - **Ci** 2601273
SFR B - COMPLETE

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp N735003 00001 - **Ci** 2601392
SFR-L B - COMPLETE

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp D730178 - **Ci** 2600090
PLE

Anchor plate for attaching the rear mountings to masonry pillars for LUX, ORO, and PHOBOS operators.

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** N998613 - **Ci** 2613836
AMIP

PHOBOS built-in mechanical stops.

new **Cp** P123032 00001 - **Ci** 2613516
EBP AC A 230V 50/60HZ

230V vertical electric lock.

new **Cp** P123032 00002 - **Ci** 2613517
EBP AC A 120V 50/60Hz

120V vertical electric lock.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

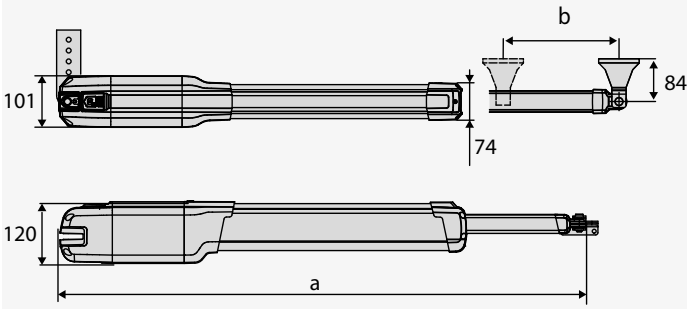
accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

KUSTOS BT B

Full range of electromechanical pistons for residential and collective use suitable for swing gates to 4 metres long and weighing up to 700 kg. The new KUSTOS BT B operators have been created to deliver a high degree of protection for the motor, including in particularly dusty locations, thanks to the covered worm screw. Obstacle detection: the management and control system of the D-Track pair maximises safety for people and property, as well as facilitating certification of the system. Installation is quick and easy thanks to the magnetic limit switches at the top of the motor, the exclusive function that assists the installer with correct positioning using the motor's vibration, and the integrated mechanical stops.

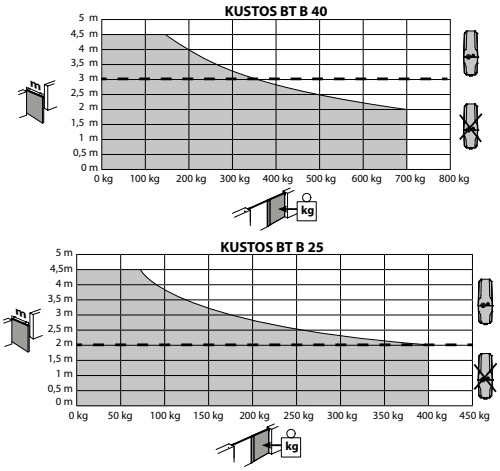
d-track
24 V
U-Security
U-Link
EasyAXS

DIMENSIONS (mm)



	a	b
KUSTOS BT B 25	1090	Cu MAX 235
KUSTOS BT B 40	1210	Cu MAX 295

INSTALLATION DIMENSIONS



TECHNICAL FEATURES

	KUSTOS BT B25	KUSTOS BT B40
Control unit	THALIA BT A 80	THALIA BT A 80
Board power supply	230 V	230 V
Operator type	electromechanically operated swing gates	electromechanically operated swing gates
Max. weight of door/gate wing	400 kg	700 kg
Max. width of door/gate wing	3 m	4 m
Max. length gate panel without electric lock	2 m	3 m
Motor voltage	24 V	24 V
Power consumption	40 W	40 W
Thrust and traction force	2000 N	2000 N
Useful rod stroke	250 mm	355 mm
Maximum angle	119 °	124 °
Movement time (90°, excluding slowdown, with maximum gate size and weight)	approx, 12 secs	approx, 16 s
Type of limit switch	Magnetic	Magnetic
Slowdown	Yes	Yes
Impact reaction	D-Track	D-Track
Locking	Mechanical	Mechanical
Release	Personal key	Personal key
Max. opening cycles per hour	30	30
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C
Protection rating	IP44	IP44

Code	International code	Name		Description	
P935127 00002	**2614562**	KUSTOS BT B25	new	Irreversible electromechanical operator 24 V for swing gates weighing up to 400 kg and 3 m long. Covered worm screw Magnetic limit switch on top.	
P935128 00002	**2614563**	KUSTOS BT B40	new	Irreversible electromechanical operator 24 V for swing gates weighing up to 700 kg and 4 m long. Covered worm screw Magnetic limit switch on top.	
R935361 00003	**2614871**	KUSTOS BT B25 SMART KIT INT	new	Complete kit 24 V for swing gates up to 400 kg in weight and 3 m in length. Covered worm screw Magnetic limit switch on top.	U-Link
R935362 00003	**2614874**	KUSTOS BT B40 SMART KIT INT	new	Complete kit 24 V for swing gates up to 700 kg in weight and 4 m in length. Covered worm screw Magnetic limit switch on top.	U-Link

THALIA BT A80 DUO: Control panel for one or two 24V operators for swing gates, for highly complex systems. The product complies with the new energy efficiency regulations.

U-Link EasyAXS new

Cp D114215 00002 - **Ci** 2614324 - **THALIA BT A80 DUO - Recommended**

- Control panel for one or two 24V operators for swing gates, for highly complex systems.
- Application: control panel for one or two 24V operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated receiver, D-Track anti-crushing system , slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge 8K2.
- Compatibility: LIBRA C MA, LIBRA C LX, LIBRA, LIBRA R, LIBRA MA R

VITAL ACCESSORIES

U-Link EasyAXS new **Cp** D114218 00002 - **Ci** 2614325
ZARA BT A80

Control panel with dip switches and potentiometers for one or two 24V operators for swing gates. The product complies with the new energy efficiency regulations.

RECOMMENDED ACCESSORIES

new **Cp** P111821 - **Ci** 2614326
EBD

Inputs and outputs expansion card for Thalia BT A card. Includes two command inputs and four non-programmable security inputs.

Cp N733646 - **Ci** 2610973
ARB KUSTOS FRONT

Front adjustable fixing brackets for Kustos BT A

Cp N735003 - **Ci** 2601367
SFR-L B

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)

Cp N735003 00001 - **Ci** 2601392
SFR-L B - COMPLETE

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp N999404 - **Ci** 2611106
CABLE N BT

Control unit connecting cable for PHOBOS BT A, KUSTOS BT A. Coil of 100 m, 3x1,5.

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

new **Cp** N998613 - **Ci** 2613836
AMIP

PHOBOS built-in mechanical stops.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** P111822 - **Ci** 2614334
EBT

Input and output expansion card for ZARA BT A. Includes two outputs, two command inputs and four non-programmable security inputs.

Cp N735002 - **Ci** 2601324
SFR B

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)

Cp N735002 00001 - **Ci** 2601273
SFR B - COMPLETE

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp D730178 - **Ci** 2600090
PLE

Anchor plate for attaching the rear mountings to masonry pillars for LUX, ORO, and PHOBOS operators.

new **Cp** P125052 - **Ci** 2614986
BBT BAT CBOX DUO

Emergency battery kit for DUO series panels, complete with wiring and power supply card. Version for installation inside the box.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

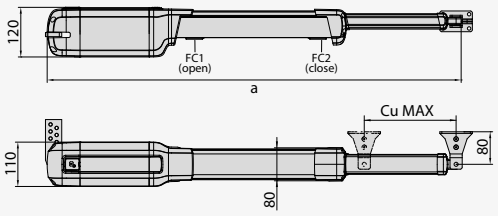
Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

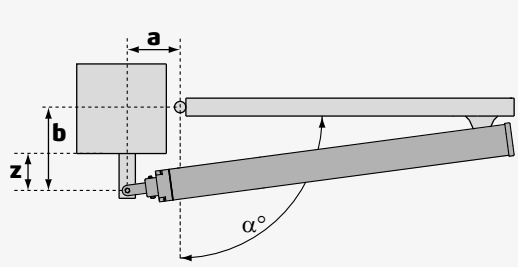
KUSTOS ULTRA BT A

Complete range of electromechanical pistons for residential use, suitable for swing gate leaves up to 4 metres wide and weighing up to 500 kg.
Quick and practical installation: the new KUSTOS BT A operators are designed to allow quick and easy installation, thanks to a number of important measures such as the covered worm screw, integrated stops, magnetic limit switches and the magnetic locking pin.

DIMENSION (mm)



	a	Cu MAX
Kustos BT A25	1090	295
Kustos BT A25 ULTRA	1090	250
Kustos BT A40	1210	355
Kustos BT A40 ULTRA	1210	310



INSTALLATION DIMENSIONS

KUSTOS BT A 25 - KUSTOS ULTRA BT A 25

z > 60 (mm) \ a (mm)	100	110	120	130	140	150	160	170	180	190
100				114	118	110	104	100	96	93
110			108	112	110	103	97	96	92	
120		103	107	110	105	99	96	92		
130	99	102	106	109	101	96	92			
140	98	101	103	102	96	92				
150	97	100	100	95	92					
160	97	100	97	92						
170	96	97	92							
180	96	92								
190	92									α°

b (mm)

KUSTOS BT A 40 - KUSTOS ULTRA BT A 40

z > 60 (mm) \ a (mm)	100	110	120	130	140	150	160	170	180	190	200	210	220
100					117	120	123	126	119	113	108	104	101
110				112	116	119	121	122	116	110	105	105	
120			107	110	114	117	120	117	111	106	102		
130		103	106	109	113	116	117	113	107	102			
140	97	102	105	108	112	115	113	110	103				
150	97	101	104	107	110	113	110	104					
160	97	100	104	107	109	110	105						
170	96	100	103	106	108	105							
180	96	100	103	106	107								
190	96	99	102	105									
200	96	98	101										
210	95	98											
220	95												α°

b (mm)

TECHNICAL FEATURES

	KUSTOS ULTRA BT A25	KUSTOS ULTRA BT A40
Control unit	THALIA	THALIA
Board power supply	230 V	230 V
Motor voltage	24 V	24 V
Power consumption	40 W	40 W
Max. width of door/gate wing	2,5 m	4 m
Max. weight of door/gate wing	400 kg	500 kg
Useful rod stroke	250 mm	355 mm
Maximum angle	118 °	126 °
Movement time (90°, excluding slowdown, with maximum gate size and weight)	approx, 15 secs	approx, 20 secs
Type of limit switch	Magnetic	Magnetic
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Personal key	Personal key
Impact reaction	D-Track	D-Track
Frequency of use	intensive	intensive
Protection rating	IP44	IP44
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name			Description
P935101 00002	**2600867**	**KUSTOS ULTRA BT A25**	Ph. Out		Irreversible electro-mechanical operator 24 V for swing gates up to 400 kg in weight and up to 2,5 m in length with covered worm screw. Integrated mechanical stops. Covered worm screw Magnetic limit switch
P935102 00002	**2600868**	**KUSTOS ULTRA BT A40**	Ph. Out		Irreversible electro-mechanical operator 24 V for swing gates up to 500 kg in weight and up to 4 m in length with covered worm screw. Integrated mechanical stops. Covered worm screw Magnetic limit switch
R935308 00005	**2600889**	**KUSTOS ULTRA BT KIT A25 FRA**	Ph. Out		Complete kit 24 V for swing gates up to 400 kg in weight and up to 2,5 m in length. Operators with covered worm screw (IP44). Integrated mechanical stops. Covered worm screw Magnetic limit switch
R935311 00005	**2600890**	**KUSTOS ULTRA BT KIT A40 FRA**	Ph. Out		Complete kit 24 V for swing gates up to 500 kg in weight and up to 4 m in length. Operators with covered worm screw (IP44). Integrated mechanical stops. Covered worm screw Magnetic limit switch

THALIA BT A80 DUO: Control panel for one or two 24V operators for swing gates, for highly complex systems. The product complies with the new energy efficiency regulations.

U-Link EasyAXS new

Cp D114215 00002 - **Ci** 2614324 - **THALIA BT A80 DUO** - **Recommended**

- Control panel for one or two 24V operators for swing gates, for highly complex systems.
- Application: control panel for one or two 24V operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated receiver, D-Track anti-crushing system , slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge 8K2.
- Compatibility: LIBRA C MA, LIBRA C LX, LIBRA, LIBRA R, LIBRA MA R

VITAL ACCESSORIES

Cp D113745 00002 - **Ci** 2600477
THALIA

Control panel with display for one or two 24V electromechanical operators for swing gates

Cp D113747 00002 - **Ci** 2600583
THALIA P

Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems

RECOMMENDED ACCESSORIES

new **Cp** P111821 - **Ci** 2614326
EBD

Inputs and outputs expansion card for Thalia BT A card. Includes two command inputs and four non-programmable security inputs.

new **Cp** P111822 - **Ci** 2614334
EBT

Input and output expansion card for ZARA BT A. Includes two outputs, two command inputs and four non-programmable security inputs.

Cp N733646 - **Ci** 2610973
ARB KUSTOS FRONT

Front adjustable fixing brackets for Kustos BT A

Cp D730178 - **Ci** 2600090
PLE

Anchor plate for attaching the rear mountings to masonry pillars for LUX, ORO, and PHOBOS operators.

Cp N735002 - **Ci** 2601324
SFR B

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)

Cp N735003 - **Ci** 2601367
SFR-L B

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)

Cp N735002 00001 - **Ci** 2601273
SFR B - COMPLETE

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp N735003 00001 - **Ci** 2601392
SFR-L B - COMPLETE

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp N999404 - **Ci** 2611106
CABLE N BT

Control unit connecting cable for PHOBOS BT A, KUSTOS BT A. Coil of 100 m, 3x1,5.

new **Cp** P125052 - **Ci** 2614986
BBT BAT CBOX DUO

Emergency battery kit for DUO series panels, complete with wiring and power supply card. Version for installation inside the box.

Cp P125020 - **Ci** 2600844
BBT BAT

Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
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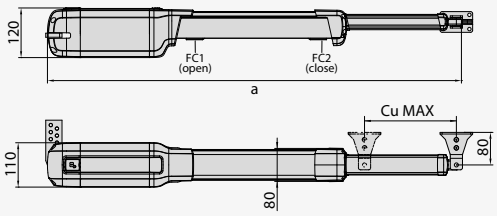
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

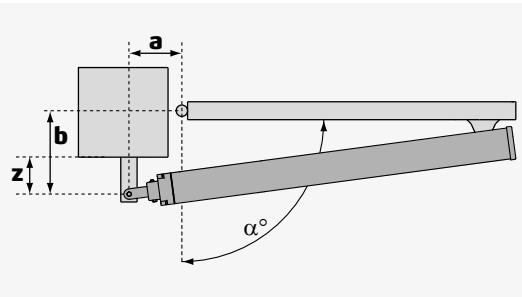
KUSTOS BT A

Complete range of electromechanical pistons for residential use, suitable for swing gate leaves up to 4 metres wide and weighing up to 500 kg.
Quick and practical installation: the new KUSTOS BT A operators are designed to allow a quick and easy installation thanks to a numbers of important measures such as the magnetic limit switches and the magnetic locking pin.

DIMENSION (mm)



	a	Cu MAX
Kustos BT A25	1090	295
Kustos BT A25 ULTRA	1090	250
Kustos BT A40	1210	355
Kustos BT A40 ULTRA	1210	310



INSTALLATION DIMENSIONS

KUSTOS BT A 25 - KUSTOS ULTRA BT A 25

z > 60 (mm) \ a (mm)	100	110	120	130	140	150	160	170	180	190
100				114	118	110	104	100	96	93
110			108	112	110	103	97	96	92	
120		103	107	110	105	99	96	92		
130	99	102	106	109	101	96	92			
140	98	101	103	102	96	92				
150	97	100	100	95	92					
160	97	100	97	92						
170	96	97	92							
180	96	92								
190	92									α°

b (mm)

KUSTOS BT A 40 - KUSTOS ULTRA BT A 40

z > 60 (mm) \ a (mm)	100	110	120	130	140	150	160	170	180	190	200	210	220
100					117	120	123	126	119	113	108	104	101
110				112	116	119	121	122	116	110	105	105	
120			107	110	114	117	120	117	111	106	102		
130		103	106	109	113	116	117	113	107	102			
140	97	102	105	108	112	115	113	110	103				
150	97	101	104	107	110	113	110	104					
160	97	100	104	107	109	110	105						
170	96	100	103	106	108	105							
180	96	100	103	106	107								
190	96	99	102	105									
200	96	98	101										
210	95	98											
220	95												α°

b (mm)

TECHNICAL FEATURES

	KUSTOS BT A25	KUSTOS BT A40
Control unit	THALIA	THALIA
Board power supply	230 V	230 V
Motor voltage	24 V	24 V
Power consumption	40 W	40 W
Max. width of door/gate wing	2,5 m	4 m
Max. weight of door/gate wing	400 kg	500 kg
Useful rod stroke	295 mm	355 mm
Maximum angle	118 °	126 °
Movement time (90°, excluding slowdown, with maximum gate size and weight)	approx, 15 secs	approx, 20 secs
Type of limit switch	Magnetic	Magnetic
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Personal key	Personal key
Impact reaction	D-Track	D-Track
Frequency of use	intensive	intensive
Protection rating	IP44	IP44
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description
P935099 00002	**2611759**	KUSTOS BT A25	Ph. Out	Irreversible electromechanical operator 24 V for swing gates weighing up to 400 kg and 2,5 m long. Covered worm screw Magnetic limit switch
P935100 00002	**2611760**	KUSTOS BT A40	Ph. Out	Irreversible electromechanical operator 24 V for swing gates weighing up to 500 kg and 4 m long. Covered worm screw Magnetic limit switch
R935307 00005	**2611935**	KUSTOS BT KIT A25 FRA	Ph. Out	Complete kit 24 V for swing gates up to 400 kg in weight and 2,5 m in length. Covered worm screw Magnetic limit switch
R935310 00005	**2611946**	KUSTOS BT KIT A40 FRA	Ph. Out	Complete kit 24 V for swing gates up to 500 kg in weight and 4 m in length. Covered worm screw Magnetic limit switch

THALIA BT A80 DUO: Control panel for one or two 24V operators for swing gates, for highly complex systems. The product complies with the new energy efficiency regulations.

U-Link EasyAXS new

Cp D114215 00002 - **Ci** 2614324 - **THALIA BT A80 DUO - Recommended**

- Control panel for one or two 24V operators for swing gates, for highly complex systems.
- Application: control panel for one or two 24V operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated receiver, D-Track anti-crushing system , slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge 8K2.
- Compatibility: LIBRA C MA, LIBRA C LX, LIBRA, LIBRA R, LIBRA MA R

VITAL ACCESSORIES

Cp D113745 00002 - **Ci** 2600477
THALIA

Control panel with display for one or two 24V electromechanical operators for swing gates

Cp D113747 00002 - **Ci** 2600583
THALIA P

Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems

U-Link EasyAXS new **Cp** D114218 00002 - **Ci** 2614325
ZARA BT A80

Control panel with dip switches and potentiometers for one or two 24V operators for swing gates. The product complies with the new energy efficiency regulations.

Cp D113796 00002 - **Ci** 2607507
ZARA BT L2

Control panel with dip switches and potentiometers for one or two 24V operators for swing gates.

RECOMMENDED ACCESSORIES

new **Cp** P111821 - **Ci** 2614326
EBD

Inputs and outputs expansion card for Thalia BT A card. Includes two command inputs and four non-programmable security inputs.

new **Cp** P111822 - **Ci** 2614334
EBT

Input and output expansion card for ZARA BT A. Includes two outputs, two command inputs and four non-programmable security inputs.

Cp N733646 - **Ci** 2610973
ARB KUSTOS FRONT

Front adjustable fixing brackets for Kustos BT A

Cp N735002 - **Ci** 2601324
SFR B

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)

Cp N735003 - **Ci** 2601367
SFR-L B

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)

Cp N735002 00001 - **Ci** 2601273
SFR B - COMPLETE

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp N735003 00001 - **Ci** 2601392
SFR-L B - COMPLETE

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp D730178 - **Ci** 2600090
PLE

Anchor plate for attaching the rear mountings to masonry pillars for LUX, ORO, and PHOBOS operators.

Cp N999404 - **Ci** 2611106
CABLE N BT

Control unit connecting cable for PHOBOS BT A, KUSTOS BT A. Coil of 100 m, 3x1,5.

new **Cp** P125052 - **Ci** 2614986
BBT BAT CBOX DUO

Emergency battery kit for DUO series panels, complete with wiring and power supply card. Version for installation inside the box.

Cp P125020 - **Ci** 2600844
BBT BAT

Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** N998613 - **Ci** 2613836
AMIP

PHOBOS built-in mechanical stops.

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Phase-out

EasyAxs: P. 282

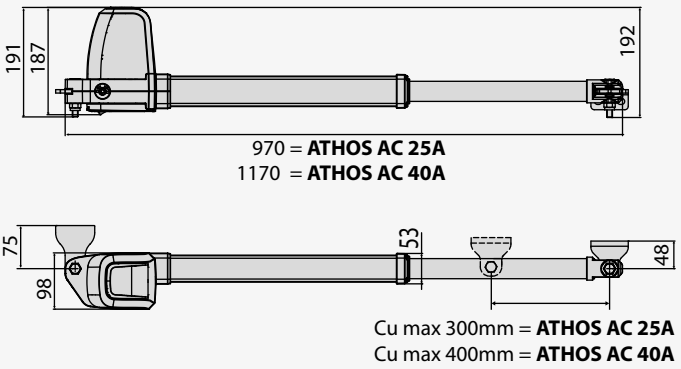
Accessories: P. 282

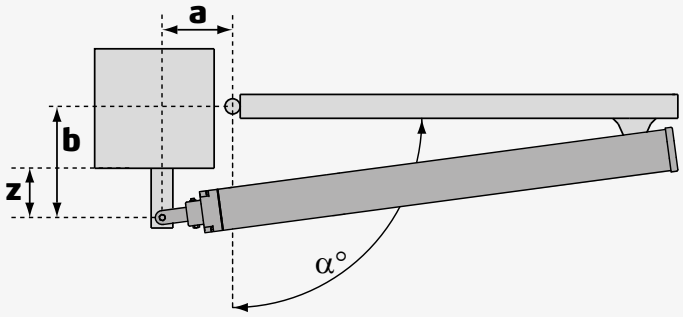
accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

ATHOS AC A

Thanks to the structure made of die-cast aluminium shells and to the high quality materials, such as the worm screw transmission system and the bronze crown, the Athos operator range ensures maximum strength, reliability and resistance over time.
Quick to install, Athos also ensures maximum comfort, thanks to fast opening and closing combined with extremely silent operation.
Non-reversible operator for residential use; the emergency manoeuvre is always easy thanks to unlocking with triangular key.

DIMENSION (mm)





INSTALLATION DIMENSIONS

ATHOS AC 25A

z > 60 (mm) \ a (mm)	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220
80	90	95	100	105	110	115	119	120	115	110	106	102	99	96	94
accorciare staffa posteriore / shorten back bracket / raccourcir l'étrier postérieur / acortar la abrazadera trasera															
90	90	98	100	102	106	110	116	114	110	106	102	99	96	94	
accorciare staffa posteriore / shorten back bracket / raccourcir l'étrier postérieur / acortar la abrazadera trasera															
100	90	99	105	105	109	113	116	112	106	101	99	95	93		
110	90	97	103	104	108	112	114	107	102	99	95	93			
120	90	95	102	104	107	110	109	102	99	95	92				
130	90	94	101	103	106	109	105	98	95	91					
140	90	93	100	102	105	103	98	94	91						
150	90	92	99	101	104	98	94	90							
160	90	92	98	100	99	93	90								
170	90	92	97	96	92										
180	90	92	96	91											
190	90	92	91												
200	90	90													α°

b (mm)

ATHOS AC 40A

z > 60 (mm) \ a (mm)	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240
80	90	95	100	105	110	115	119	120	124	125	129	130	132	127	122	117	113
accorciare staffa posteriore / shorten back bracket / raccourcir l'étrier postérieur / acortar la abrazadera trasera																	
90	90	98	100	102	106	110	116	119	122	125	129	132	131	124	118	114	110
accorciare staffa posteriore / shorten back bracket / raccourcir l'étrier postérieur / acortar la abrazadera trasera																	
100	90	99	105	105	109	113	116	118	120	123	125	128	127	120	115	110	108
110	90	97	103	104	108	112	114	116	118	120	123	125	120	115	110	108	
120	90	95	102	104	107	110	112	115	117	120	121	122	118	113	108		
130	90	94	101	103	106	108	110	114	116	119	120	119	114	109			
140	90	93	100	102	105	106	108	112	115	118	119	115	110				
150	90	92	99	101	103	104	107	111	114	117	116	110					
160	90	92	98	100	102	104	107	110	112	115	111						
170	90	92	97	99	101	103	106	109	110	112							
180	90	92	96	98	100	102	105	108	110								
190	90	92	96	98	100	102	104	108									
200	90	91	94	97	99	101	103										
210	90	91	94	97	99	101											
220	90	91	94	97	99												
230	90	91	93	96													
240	90	91	93														α°

b (mm)

TECHNICAL FEATURES

	ATHOS AC A25 AR	ATHOS AC A25 AL	ATHOS AC A40 AR	ATHOS AC A40 AL
Control unit	ALENA SW2	ALENA SW2	ALENA SW2	ALENA SW2
Board power supply	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	230 V	230 V
Power consumption	280 W	280 W	280 W	280 W
Max. width of door/gate wing	2,5 m	2,5 m	4 m	4 m
Max. weight of door/gate wing	700 kg	700 kg	400 kg	400 kg
Useful rod stroke	300 mm	300 mm	400 mm	400 mm
Maximum angle	110 °	110 °	110 °	110 °
Cycle time	14 s	14 s	16 s	16 s
Type of limit switch	work time	work time	work time	work time
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Triangle key	Triangle key	Triangle key	Triangle key
Impact reaction	Electronic clutch	Electronic clutch	Electronic clutch	Electronic clutch
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Protection rating	IP54	IP54	IP54	IP54
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description
P935108 00002	2611765	ATHOS AC A25 AR		Irreversible electromechanical operator 230 V for swing gates weighing up to 700 kg and 2,5 m long. Motor right.
P935109 00002	2611766	ATHOS AC A25 AL		Irreversible electromechanical operator 230 V for swing gates weighing up to 700 kg and 2,5 m long. Motor left.
P935115 00002	2611768	ATHOS AC A40 AR		Irreversible electromechanical operator 230 V for swing gates weighing up to 400 kg and 4 m long. Motor right.
P935116 00002	2611769	ATHOS AC A40 AL		Irreversible electromechanical operator 230 V for swing gates weighing up to 400 kg and 4 m long. Motor left.
R935339 00002	2611966	ATHOS AC KIT A25 EU		Complete kit 230 V for swing gates up to 700 kg in weight and 2,5 m in length.
R935344 00002	2611972	ATHOS AC KIT A40 EU		Complete kit 230 V for swing gates up to 400 kg in weight and 4 m in length.

ALENA SW2: Control panel with slow-down, dip switches and potentiometers for one or two 230V 400W+400W, operators for swing gates and industrial folding doors

Cp D113811 00004 - **Ci** 2607514 - **ALENA SW2** - **Recommended**

- Application: control panel for one or two operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 400W max each operator
- Main features: programming of trimmer and dip-switch, removable terminal block with standard colouring, integrated radio receiver, remote controlled pedestrian opening. Soft opening and closing (only with electromechanical motor), management of resistive safety edges 8K2/contact, management of verified safety devices, management of electronic locks, electronic control of motor torque (only with electromechanical motor), pressure surge when opening.
- Main functions: stays locked when closed, 3/4 step logic, partial opening, fast closing and self-diagnostics
- Compatibility: ALTAIR and ARIES

RECOMMENDED ACCESSORIES

Cp N999724 - **Ci** 2611153
PLE ATHOS

Anchor plate for welding the mountings to masonry pillars for ATHOS operators

Cp N190104 - **Ci** 2600775
BIR C

Rubber safety edge (H 30 mm), price per m

Cp D111013 - **Ci** 2607261
ME

Control board for 12Vac solenoid lock for 230V automation systems

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Ph. Out **Cp** P123001 00001 - **Ci** 2600836
EBP

Electric lock 220-230V 50/60Hz with zero stop resistance

Cp P111053 - **Ci** 2600803
CM2000

Mechanical safety edge, length 2 m

Cp D610180 - **Ci** 2600598
CLS

Triangular release key l=52 mm

Cp P111401 00001 - **Ci** 2600207
VENTIMIGLIA NS

Infrared device for BIR C or BAR C safety edges (conforms to EN 12978 Standard)

Cp D121018 - **Ci** 2600301
ECB VERTICALE

Vertical solenoid lock, 12/24 V

new **Cp** P123032 00001 - **Ci** 2613516
EBP AC A 230V 50/60HZ

230V vertical electric lock.

new **Cp** P123032 00002 - **Ci** 2613517
EBP AC A 120V 50/60Hz

120V vertical electric lock.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P111052 - **Ci** 2600802
CM1700

Mechanical safety edge, length 1.7 m

VIRGO SMART BT A

HOME

24 V

ee link

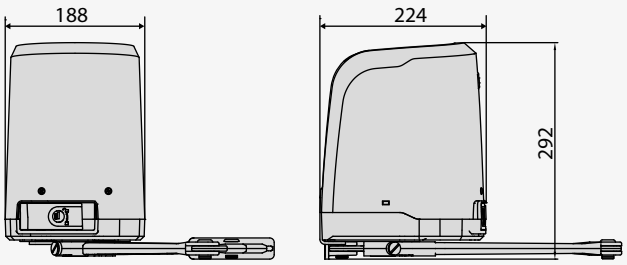
er ready

U-Link

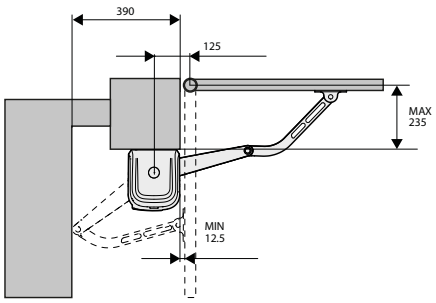
d-track

Electromechanical operator with articulated arm for residential use, for swing gate leaves of up to 2 metres and 200 kg.
Ideal for any installation requirements, makes it easy to solve problems linked to large pillars thanks to the lever system.
Operator-integrated control unit, limit switch and mechanical stops.

DIMENSIONS (mm)



INSTALLATION DIMENSIONS



TECHNICAL FEATURES

	VIRGO SMART BT A 20	VIRGO SMART BT A 20 SLAVE
Control unit	THALIA	
Board power supply	230 V	
Motor voltage	24 V	24 V
Power consumption	110 W	110 W
Max. width of door/gate wing	2 m	2 m
Max. weight of door/gate wing	200 kg	200 kg
Maximum angle	120 °	120 °
Cycle time	14 s	14 s
Type of limit switch	Electromechanical	Electromechanical
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Personal key	Personal key
Impact reaction	Electronic torque limiter	Electronic torque limiter
Frequency of use	Semi intensive	Semi intensive
Protection rating	IP44	IP44
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description	
P930129 00002	**2611691**	**VIRGO SMART BT A 20**		Non-reversible 24 V electro-mechanical operator for swing gates weighing up to 200 kg and up to 2 m long, with integrated control unit. Limit switch Electromechanical.	U-Link
P930130 00002	**2601299**	**VIRGO SMART BT A 20 SLAVE**		Irreversible electromechanical operator 24 V for swing gates weighing up to 200 kg and 2 m long. Limit switch Electromechanical.	
R930150 00001	**2600995**	**VIRGO SMART BT A 20 KIT INT**		Complete kit 24 V for swing gates up to 200 kg in weight and 2 m in length. Limit switch Electromechanical.	U-Link

THALIA: Thalia control panel for one or two 24 V electromechanical operators for swing gates

THALIA - Cp I300211 10001 - Ci 2613928 - Built-in - (Spare part code, available for order through the Technical Support network)

- Application: control panel with display for one or two 24V electromechanical operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 180W max each operator
- Main features: new standard colour removable terminal blocks, simplified scenario-based programming with display and integrated dual-channel receiver, D-Track anti-crushing system, slowdown during opening and closing and electronic self-learning.
- Main functions: automatic re-closing, fast closing, partial opening, deadman feature
- Compatibility: LIBRA, LIBRA R, LIBRA MA R

RECOMMENDED ACCESSORIES

Cp N728052 - **Ci** 2601369
LAS

VIRGO BT A slide lever

Cp N999735 - **Ci** 2601368
AAP

VIRGO SMART BT A misaligned doors accessory

Cp N733421 - **Ci** 2600967
RCA

Lever release with steel cable, length 3,5 m. Compatible with BOX.

Cp N574039 - **Ci** 2610798
BOX

Wall cabinet for release with steel cable and electric control; cable not included

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P111775 - **Ci** 2611415
TFS

Virgo Smart BT A 3-wire board KIT (1 Kit per engine)

Cp N998600 - **Ci** 2601370
AMV

Virgo Smart BT A 20 mechanical stop KIT

Cp N733422 - **Ci** 2600457
RCAL

Lever release with steel cable, length 7 m. Compatible with BOX.

Cp P125008 - **Ci** 2600839
VIRGO BAT

Set of backup batteries for VIRGO

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

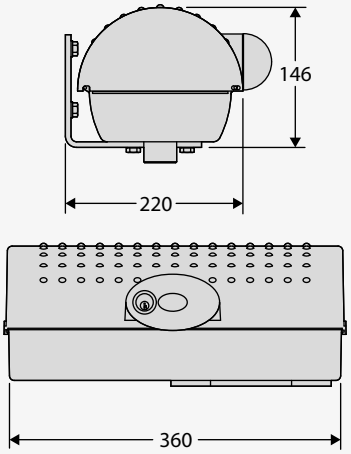
4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

IGEA BT

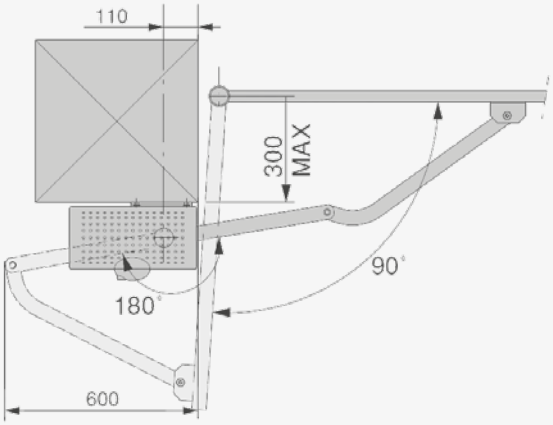
HOME
BUILDING
d-track
24 V
U-Link
U-Security
EasyAXS

Range of irreversible electro-mechanical 24 v operators for swing gates up to 250 kg in weight and up to 2.5 m in length.
Ideal for installation on large-size pillars thanks to its articulated levers that allow opening up to 125°.

DIMENSION (mm)



INSTALLATION DIMENSIONS



TECHNICAL FEATURES

	IGEA BT
Control unit	THALIA BT A80, THALIA
Board power supply	230 V
Motor voltage	24 V
Power consumption	40 W
Max. width of door/gate wing	2,5 m
Max. weight of door/gate wing	250 kg
Maximum angle	125 °
Cycle time	15 s
Type of limit switch	Electromechanical
Slowdown	Yes
Locking	Mechanical
Release	Knob operated with personal key
Impact reaction	D-Track
Frequency of use	intensive
Protection rating	IP44
Environmental conditions	-15 ÷ 60 °C

Code	International code	Name		Description	
P935070 00002	**2600414**	IGEA BT		Irreversible electromechanical operator 24 V for swing gates weighing up to 250 kg and 2,5 m long. Limit switch Electromechanical.	U-Link
R935229 00002	**2611903**	IGEA BT KIT FRA		Complete kit 24 V for swing gates up to 250 kg in weight and 2,5 m in length. Limit switch Electromechanical.	
R935297 00002	**2600365**	IGEA BT KIT FRA THALIA		Complete kit 24 V for swing gates up to 250 kg in weight and 2,5 m in length. Limit switch Electromechanical.	U-Link

THALIA BT A80 DUO: Control panel for one or two 24V operators for swing gates, for highly complex systems. The product complies with the new energy efficiency regulations. U-Link EasyAXS new

Cp D114215 00002 - **Ci** 2614324 - **THALIA BT A80 DUO - Recommended**

- Control panel for one or two 24V operators for swing gates, for highly complex systems.
- Application: control panel for one or two 24V operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated receiver, D-Track anti-crushing system , slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge 8K2.
- Compatibility: LIBRA C MA, LIBRA C LX, LIBRA, LIBRA R, LIBRA MA R

VITAL ACCESSORIES

Cp D113745 00002 - **Ci** 2600477
THALIA

Control panel with display for one or two 24V electromechanical operators for swing gates

Cp D113747 00002 - **Ci** 2600583
THALIA P

Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems

RECOMMENDED ACCESSORIES

new **Cp** P111821 - **Ci** 2614326
EBD

Inputs and outputs expansion card for Thalia BT A card. Includes two command inputs and four non-programmable security inputs.

new **Cp** P111822 - **Ci** 2614334
EBT

Input and output expansion card for ZARA BT A. Includes two outputs, two command inputs and four non-programmable security inputs.

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp N733421 - **Ci** 2600967
RCA

Lever release with steel cable, length 3,5 m. Compatible with BOX.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp N733422 - **Ci** 2600457
RCAL

Lever release with steel cable, length 7 m. Compatible with BOX.

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

Cp P135005 - **Ci** 2601366
LRV

Short articulated arms for IGEA and IGEA BT

Cp N574039 - **Ci** 2610798
BOX

Wall cabinet for release with steel cable and electric control; cable not included

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** P125052 - **Ci** 2614986
BBT BAT CBOX DUO

Emergency battery kit for DUO series panels, complete with wiring and power supply card. Version for installation inside the box.

Cp P125020 - **Ci** 2600844
BBT BAT

Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph Out Phase-out

EasyAxs: P. 282

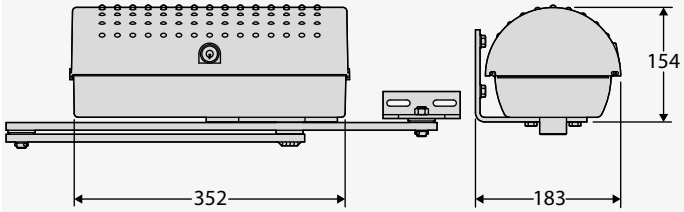
Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

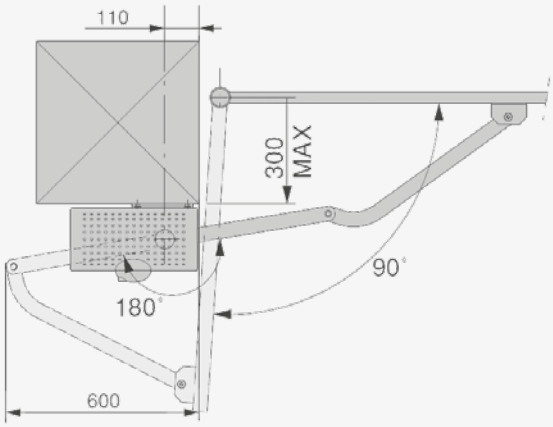
IGEA

Range of electromechanical operators with articulated arm for residential use, for swing gate leaves of up to 2.5 metres and 250 kg. Ideal for installation on large-size pillars thanks to its articulated levers that allow opening up to 125°.

DIMENSION (mm)



INSTALLATION DIMENSIONS



TECHNICAL FEATURES

	IGEA
Control unit	RIGEL 6
Board power supply	230 V
Motor voltage	230 V
Power consumption	300 W
Max. width of door/gate wing	2,5 m
Max. weight of door/gate wing	250 kg
Maximum angle	125 °
Cycle time	15 s
Type of limit switch	Electromechanical
Slowdown	no
Locking	Mechanical
Release	Knob operated with personal key
Impact reaction	Electronic clutch
Frequency of use	intensive
Protection rating	IP44
Environmental conditions	-15 ÷ 60 °C

Code	International code	Name		Description
P935065 00002	2600863	IGEA		Electromechanical operator 230 V for swing gates up to 250 kg in weight and 2,5 m in length. Limit switch Electromechanical.
R935221 00002	2600885	IGEA KIT FRA		Complete kit 230 V for swing gates up to 250 kg in weight and 2,5 m in length. Limit switch Electromechanical.

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators

Cp D113833 00002 - **Ci** 2600589 - **RIGEL 6 220-230V 50/60HZ - Recommended**

- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators , weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

VITAL ACCESSORIES

Cp D113811 00004 - **Ci** 2607514
ALENA SW2

Control panel with slow-down, dip switches and potentiometers for one or two 230V 400W+400W, operators for swing gates and industrial folding doors

Cp D113811 00003 - **Ci** 2607513
ALENA SW2 120V

ALENA SW2 120V control panel

RECOMMENDED ACCESSORIES

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp N733421 - **Ci** 2600967
RCA

Lever release with steel cable, length 3,5 m. Compatible with BOX.

Cp N733422 - **Ci** 2600457
RCAL

Lever release with steel cable, length 7 m. Compatible with BOX.

Cp P135005 - **Ci** 2601366
LRV

Short articulated arms for IGEA and IGEA BT

Cp N574039 - **Ci** 2610798
BOX

Wall cabinet for release with steel cable and electric control; cable not included

new **Cp** P123032 00001 - **Ci** 2613516
EBP AC A 230V 50/60HZ

230V vertical electric lock.

new **Cp** P123032 00002 - **Ci** 2613517
EBP AC A 120V 50/60Hz

120V vertical electric lock.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

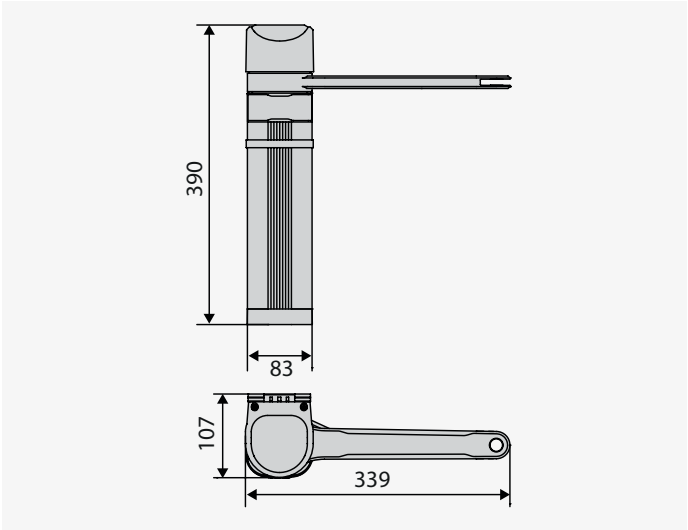
new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

E5 BT A

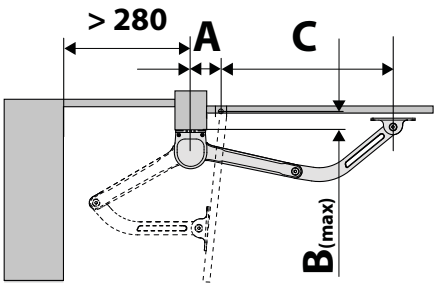
d-track
24 V
U-Link
U-Security
EasyAXS

DIMENSION (mm)



24V reversible electromechanical operator for swing gates for pedestrian and vehicular access, for use in homes and apartment buildings. Its small size means it can be installed on small pillars and columns (minimum width required 8cm). The slide arm option means constraints such as walls and obstacles close to the operator can be overcome. The limit switch function is regulated by the absolute encoder. The safety of the operator is guaranteed thanks to the D-track system which precisely determines the position and force with which the gate moves, using the friction inside the operator and the new articulated and slide arms with anti-shear design.

INSTALLATION DIMENSIONS



E5 BT A 12-18

B \ A	120	140	150	160	170	180	190	200
30	125°	130°	134°	134°	137°	139°	141°	142°
40	122°	128°	130°	133°	135°	137°	139°	140°
50	120°	126°	128°	131°	133°	135°	136°	138°
60	118°	124°	125°	130°	131°	133°	134°	136°
70	116°	122°	124°	128°	129°	131°	132°	134°
80	114°	120°	123°	127°	128°	129°	130°	132°
90	113°	118°	122°	125°	126°	127°	128°	130°
100	112°	117°	120°	124°	124°	125°	127°	128°
110	110°	116°	119°	122°	122°	123°	125°	126°
120	109°	114°	118°	121°	121°	121°	123°	124°
130	108°	113°	115°	119°	119°	120°	121°	122°
140	107°	112°	115°	118°	117°	118°	119°	120°
150	107°	111°	114°	116°	116°	116°	117°	118°
160	106°	110°	113°	115°	114°	114°	116°	117°
170	105°	109°	112°	114°	112°	113°	114°	115°
180	104°	109°	110°	112°	111°	111°	112°	113°
190	104°	108°	110°	111°	109°	109°	110°	111°
200	103°	107°	107°	110°	108°	108°	109°	110°

TECHNICAL FEATURES

	E5 BT A12	E5 BT A18
Control unit	THALIA BT A80, THALIA	THALIA BT A80, THALIA
Board power supply	230 V	230 V
Motor voltage	24 V	24 V
Max. weight of door/ gate wing	80 kg	100 kg
Power consumption	100 W	100 W
Max. width of door/ gate wing	1,2 m	1,8 m
Cycle time	6,5 s	14 s
Type of limit switch	Absolute encoder	Absolute encoder
Release	Reversible	Reversible
Impact reaction	D-Track	D-Track
Frequency of use	very intensive	Semi intensive
Frequency of use	100 Cicli/ora	20 Cicli/ora
Degree of protection (IP)	IP44	IP44
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description	
P930027 00003	**2601403**	**E5 BT A12**		Reversible compact pedestrian electromechanical operator of small size that can be installed on pillars or columns only 80mm wide Application for pedestrian gates up to 1.2m wide and up to 80kg in weight Closes in 6.5s (ideal installation conditions) Operator with primary lever, to which the articulated arm or the short slide lever are added (accessories) Absolute encoder limit switch	U-Link
P930027 00001	**2601404**	**E5 BT A18**		Reversible compact vehicular electromechanical operator of small size that can be installed on pillars or columns only 80mm wide Application for vehicle gates up to 1.8m wide and up to 100kg in weight Operator with primary lever, to which the articulated arm or the long slide lever are added (accessories) Absolute encoder limit switch	U-Link
R930153 00003	**2611897**	**E5 SMART BT KIT A12**		24 V full kit for swing gates weighing up to 80 kg and up to 1,2 m long. Limit switch control via absolute encoder. Speed of operation between 4.5 and 6.5 seconds (including slowdown). Operator supplied with short slide lever.	
R930153 00001	**2611896**	**E5 SMART BT KIT A18**		24 V full kit for vehicle gates up to 100 kg in weight and 1,8 m wide. Limit switch control via absolute encoder. 14 second opening time (including slowdown) to 90°. The kit includes 2 operators with an articulated arm.	

THALIA BT A80 DUO: Control panel for one or two 24V operators for swing gates, for highly complex systems. The product complies with the new energy efficiency regulations.

Cp D114215 00002 - **Ci** 2614324 - **THALIA BT A80 DUO** - **Recommended**

- Control panel for one or two 24V operators for swing gates, for highly complex systems.
- Application: control panel for one or two 24V operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated receiver, D-Track anti-crushing system , slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge 8K2.
- Compatibility: LIBRA C MA, LIBRA C LX, LIBRA, LIBRA R, LIBRA MA R

VITAL ACCESSORIES

Cp D113745 00002 - **Ci** 2600477
THALIA

Control panel with display for one or two 24V electromechanical operators for swing gates

Cp D113747 00002 - **Ci** 2600583
THALIA P

Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems

Cp N734921 - **Ci** 2601405
LBA

Lever for articulated arm, E5 BT A12, E5 BT A18

Cp N735057 - **Ci** 2601406
LS12

Short pedestrian slide lever for E5 BT A12

Cp N735058 - **Ci** 2601407
LS18

Long slide lever for E5 BT A18

RECOMMENDED ACCESSORIES

new **Cp** P111821 - **Ci** 2614326
EBD

Inputs and outputs expansion card for Thalia BT A card. Includes two command inputs and four non-programmable security inputs.

new **Cp** P111822 - **Ci** 2614334
EBT

Input and output expansion card for ZARA BT A. Includes two outputs, two command inputs and four non-programmable security inputs.

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** P125052 - **Ci** 2614986
BBT BAT CBOX DUO

Emergency battery kit for DUO series panels, complete with wiring and power supply card. Version for installation inside the box.

Cp P125020 - **Ci** 2600844
BBT BAT

Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp **Code**
Ci **International code**

U-Link
new New
Ph Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
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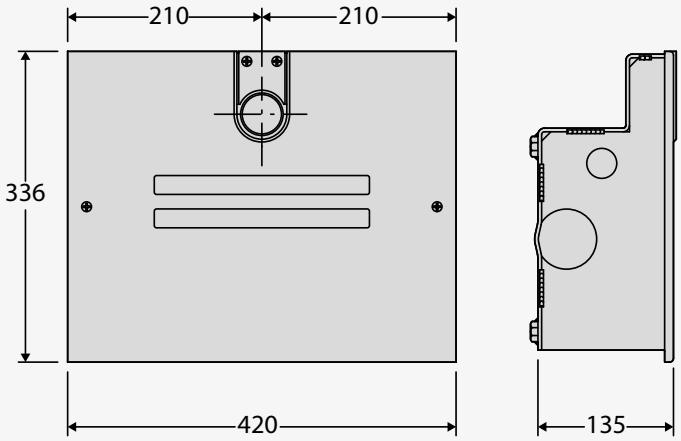
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

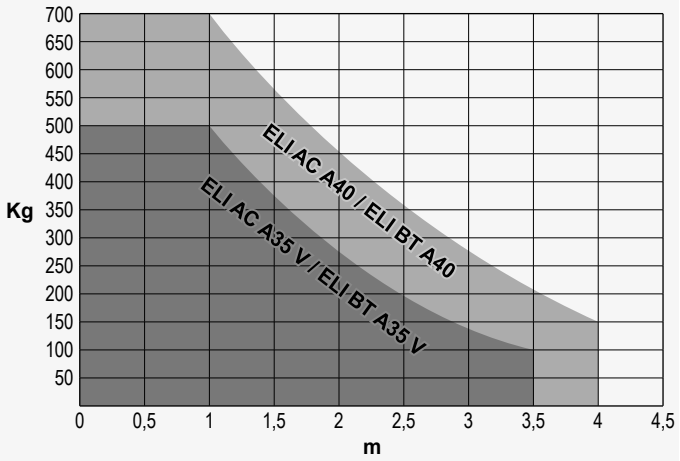
ELI AC A

A complete range of in-ground non-reversible electromechanical operators for swing gates up to 4m long with 230V motors.
The integrated mechanical stops for both opening and closing, allowing the option of a simple installation by reducing the need for physical stops.
The magnetic limit switch system (optional) ensures the highest levels of accuracy and reliability over time in all weather conditions.
The VELOCE version offers reduced waiting times on opening and closing.

DIMENSION (mm)



INSTALLATION DIMENSIONS



TECHNICAL FEATURES

	ELI VELOCE AC A35	ELI AC A40
Motor voltage	230 V	230 V
Compatible control unit	RIGEL6, ALENA SW2	RIGEL6, ALENA SW2
Max. width of door/gate wing	3,5 m	4 m
Max. length gate panel without electric lock	2 m	2,5 m
Max. motor torque	200 Nm	350 Nm
Max. opening cycles per hour	40	20
Maximum angle	120 °	120 °
Speed	2,5 Rpm	1,45 Rpm
Opening time to 90°	11" (no slowdown)	13" (no slowdown)
Limit switch standard	N/A	N/A
Limit switch optional	Magnetic	Magnetic
Mechanical stops	OP+CL	OP+CL
Release	Lever or lever with personalised key	Lever or lever with personalised key
Impact reaction	Electronic clutch (with control panel)	Electronic clutch (with control panel)
Protection rating	IP67	IP67
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description
P930131 00002	2601464	ELI VELOCE AC A35		230 V electromechanical in-ground operator for swing gates up to 3,5 m long. Magnetic limit switches - Optional
P930132 00002	2601473	ELI AC A40		Underground electromechanical operator 230 V for swing gates up to 4 m in length. Magnetic limit switches - Optional

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators

Cp D113833 00002 - **Ci** 2600589 - **RIGEL 6 220-230V 50/60HZ - Recommended**

- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators , weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

VITAL ACCESSORIES

Cp N733397 - **Ci** 2600789
BTCF 120 E

Foundation box with levers for ELI AC A, ELI BT A. Release not supplied

Cp N733398 - **Ci** 2600091
BTCF 120 E INOX

Stainless steel foundation box with levers for ELI AC A, ELI BT A. Release not provided

Cp N733993 - **Ci** 2603381
BTCF-120E PLUS

Reinforced foundation box for heavy or intensive use gates. Includes levers for ELI AC A, ELI BT A. Manual release not included.

new **Cp** N733994 - **Ci** 2603382
BTCF-120E PLUS STAINLESS STEEL

Reinforced stainless steel foundation box for heavy or intensive use gates. Includes levers for ELI AC A, ELI BT A. Manual release not included.

Cp N733392 - **Ci** 2600478
SCC

Release for ELI AC A, ELI BT A and SUB BT with lever key.

Cp N733502 - **Ci** 2610959
SCP

Release for ELI AC A, ELI BT A and SUB BT with personalized key.

RECOMMENDED ACCESSORIES

Cp N733304 - **Ci** 2600236
E180

Accessory for opening to 180 ° for ELI AC A40, ELI BT A40 operator

Cp N733951 - **Ci** 2601457
FCE

Magnetic limit switches for BT and AC models.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp R400009 - **Ci** 2611783
KIT COMPACTA - PHP

Kit complete with a pair of aluminum posts for photocells height 522mm and a pair of Compacta A20-180 photocells adjustable 180° horizontally, range 20m, power supply 12 – 33Vac / 15 – 35Vdc

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

new **Cp** P123032 00001 - **Ci** 2613516
EBP AC A 230V 50/60HZ

230V vertical electric lock.

new **Cp** P123032 00002 - **Ci** 2613517
EBP AC A 120V 50/60Hz

120V vertical electric lock.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
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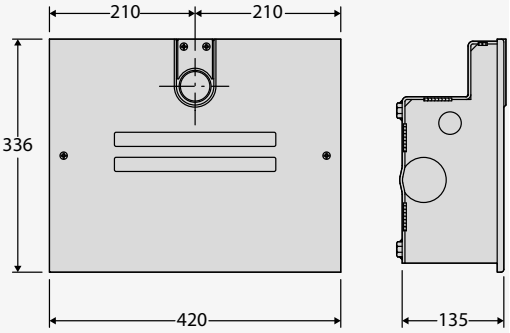
solenoid locks P. 291
release systems P. 292

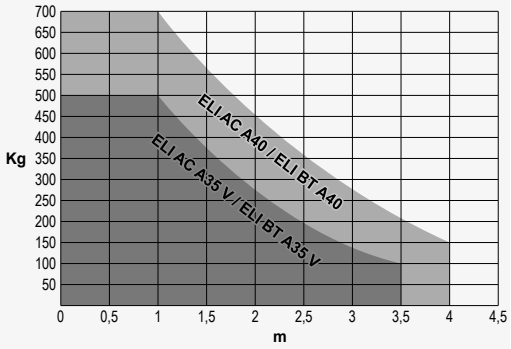
ELI BT A

A complete range of in-ground non-reversible electromechanical operators for swing gates up to 4m long with 24V technology.
The integrated mechanical stops for both opening and closing, allowing the option of a simple installation by reducing the need for physical stops.
The encoder-based limit switch system offers precision and quick installation.
The VELOCE version offers reduced waiting times on opening and closing.

DIMENSION (mm)



INSTALLATION DIMENSIONS



TECHNICAL FEATURES

	ELI VELOCE BT A35	ELI BT A40
Motor voltage	24 V	24 V
Compatible control unit	THALIA BT A80, THALIA, THALIA P	THALIA BT A80, THALIA, THALIA P
Max. width of door/gate wing	3,5 m	4 m
Max. length gate panel without electric lock	2 m	2,5 m
Max. motor torque	250 Nm	350 Nm
Max. opening cycles per hour	50	Continuous
Maximum angle	120 °	120 °
Speed	2 Rpm	1,1 Rpm
Opening time to 90°	10" (with slowdown)	14" (with slowdown)
Limit switch standard	Relative encoder	Relative encoder
Limit switch optional	Magnetic	Magnetic
Mechanical stops	OP+CL	OP+CL
Release	Lever or lever with personalised key	Lever or lever with personalised key
Impact reaction	Electronic clutch (with control panel)	Electronic clutch (with control panel)
Protection rating	IP67	IP67
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description
P930133 00002	2601454	ELI VELOCE BT A35		Underground electromechanical operator 24 V for swing gates up to 3,5 m in length. Relative encoder limit switches
P930134 00002	2601455	ELI BT A40		Underground electromechanical operator 24 V for swing gates up to 4 m in length. Relative encoder limit switches

THALIA BT A80 DUO: Control panel for one or two 24V operators for swing gates, for highly complex systems. The product complies with the new energy efficiency regulations.

Cp D114215 00002 - **Ci** 2614324 - **THALIA BT A80 DUO** - **Recommended**

- Control panel for one or two 24V operators for swing gates, for highly complex systems.
- Application: control panel for one or two 24V operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated receiver, D-Track anti-crushing system , slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge 8K2.
- Compatibility: LIBRA C MA, LIBRA C LX, LIBRA, LIBRA R, LIBRA MA R

VITAL ACCESSORIES

Cp D113745 00002 - **Ci** 2600477
THALIA

Control panel with display for one or two 24V electromechanical operators for swing gates

Cp D113747 00002 - **Ci** 2600583
THALIA P

Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems

Cp N733397 - **Ci** 2600789
BTCF 120 E

Foundation box with levers for ELI AC A, ELI BT A. Release not supplied

Cp N733398 - **Ci** 2600091
BTCF 120 E INOX

Stainless steel foundation box with levers for ELI AC A, ELI BT A. Release not provided

Cp N733993 - **Ci** 2603381
BTCF-120E PLUS

Reinforced foundation box for heavy or intensive use gates. Includes levers for ELI AC A, ELI BT A. Manual release not included.

new **Cp** N733994 - **Ci** 2603382
BTCF-120E PLUS STAINLESS STEEL

Reinforced stainless steel foundation box for heavy or intensive use gates. Includes levers for ELI AC A, ELI BT A. Manual release not included.

Cp N733392 - **Ci** 2600478
SCC

Release for ELI AC A, ELI BT A and SUB BT with lever key.

Cp N733502 - **Ci** 2610959
SCP

Release for ELI AC A, ELI BT A and SUB BT with personalized key.

new **Cp** P111821 - **Ci** 2614326
EBD

Inputs and outputs expansion card for Thalia BT A card. Includes two command inputs and four non-programmable security inputs.

new **Cp** P111822 - **Ci** 2614334
EBT

Input and output expansion card for ZARA BT A. Includes two outputs, two command inputs and four non-programmable security inputs.

RECOMMENDED ACCESSORIES

Cp N733304 - **Ci** 2600236
E180

Accessory for opening to 180 ° for ELI AC A40, ELI BT A40 operator

Cp N733951 - **Ci** 2601457
FCE

Magnetic limit switches for BT and AC models.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp R400009 - **Ci** 2611783
KIT COMPACTA - PHP

Kit complete with a pair of aluminum posts for photocells height 522mm and a pair of Compacta A20-180 photocells adjustable 180° horizontally, range 20m, power supply 12 – 33Vac / 15 – 35Vdc

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

new **Cp** P125052 - **Ci** 2614986
BBT BAT CBOX DUO

Emergency battery kit for DUO series panels, complete with wiring and power supply card. Version for installation inside the box.

Cp P125020 - **Ci** 2600844
BBT BAT

Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

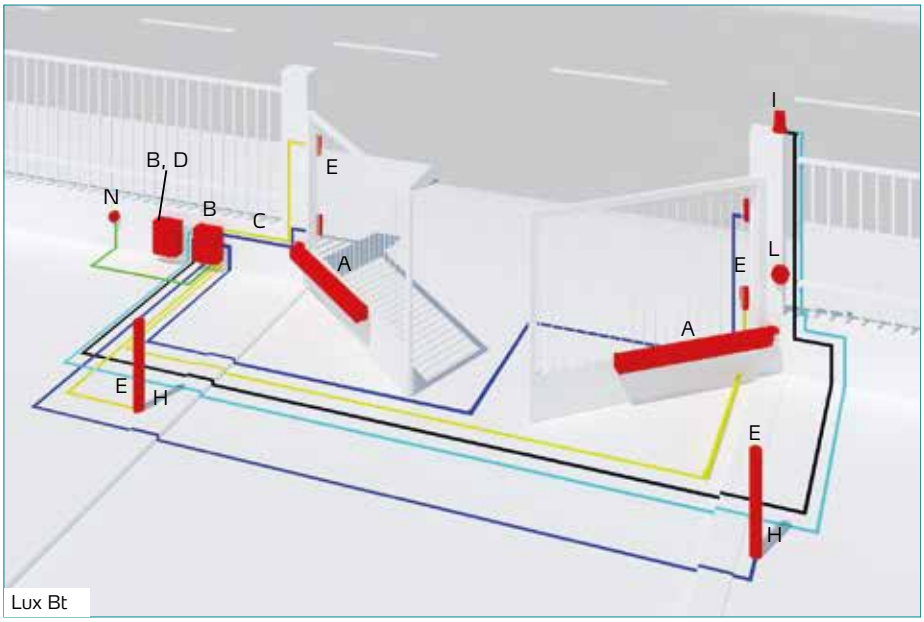
4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Hydraulic automation systems for swing gates

Guide to choosing

Max. width of door/ gate wing	Max. weight of door/ gate wing	Maximum angle	Motor voltage	Frequency of use	Kit	Model	Plus
electromechanically operated swing gates							
2 m	300 kg	110 °	24 V	very intensive	-	GIUNO ULTRA BT A20	Selectable locking Magnetic limit switches
hydraulically operated swing gates							
1,8 m	180 kg	112 °	230 V	Semi intensive	-	ORO	Compact size
					●	ORO KIT	Compact size
					●	ORO KIT FRA	Compact size
2,5 m	200 kg				-	ORO E	Compact size
2 m	300 kg	101 °		very intensive	-	LUX R 2B SN2	
					-	LUX R 2B 2SN UL/CSA	Locking on closure/opening
		117 °			-	LUX FC 2B	
					-	LUX FC 2B UL/CSA	Locking on closure/opening
		123 °			-	LUX	Reversible
					-	LUX SA	Reversible
					-	LUX B	
					-	LUX BA	Reversible
					-	LUX 2B	
					-	LUX 2B WINTER	Extremely low temperatures
					-	LUX 2B UL/CSA 120V	Locking on closure/opening
					-	LUX R2B	Reversible
2,2 m					-	LUX R	Reversible
					-	LUX RSN2	Reversible
2,3 m					-	LUX MB	Locking on closure
					●	LUX MB KIT	Locking on closure
3,5 m					-	LUX GV	Reversible
4 m	500 kg				-	LUX L	Reversible
					-	LUX LR	Reversible
4,5 m			120 V		-	P4.5 UL/CSA	Closing slowdown
			230 V		-	P4,5	Closing slowdown
					-	P4,5 WINTER	Extremely low temperatures
5 m	800 kg	110 °	24 V		-	GIUNO ULTRA BT A50	Selectable locking Magnetic limit switches
		130 °	230 V		-	LUX G	Reversible
					-	LUX G WINTER	Extremely low temperatures
7 m	500 kg	123 °	120 V		-	P7 UL/CSA	Closing slowdown
			230 V		-	P7	Closing slowdown
					-	P7 WINTER	Extremely low temperatures
swing gates with underground hydraulic operator							
1,8 m	800 kg	130 °	230 V	very intensive	-	SUB DX	very intensive
					-	SUB SX	very intensive
					-	SUB R DX	Slowdown
					-	SUB R SX	Slowdown
					-	SUB R WINTER DX	Extremely low temperatures
					-	SUB R WINTER SX	Extremely low temperatures
					-	SUB EG DX	very intensive
					-	SUB EG SX	very intensive
		180 °			-	SUB G DX	very intensive
					-	SUB G SX	very intensive
2,5 m		120 °	24 V		-	SUB BT	D-Track
		130 °	230 V		-	SUB E DX	very intensive
					-	SUB E SX	very intensive
					-	SUB ER DX	Slowdown
					-	SUB ER SX	Slowdown
3,5 m			120 V		-	SUB R UL/CSA DX	Slowdown
			230 V		-	SUB EL DX	very intensive
					-	SUB EL SX	very intensive
		180 °	120 V		-	SUB G UL/CSA DX	very intensive

Installation guide



Lux Bt

A	Operator
B	Control unit
C	Backup Batteries
D	Receiver
E	Photocell
H	Post
I	Blinker
L	Control system (key selector switch, keypad, badge reader)
N	Junction box
	2x1,5
	3x1,5
	RG 58
	5x1
	2x1
O	Solar panel

Control units hydraulic swing gates

	ALCOR AC A	RIGEL 6 220-230V 50/60HZ	THALIA P	THALIA	THALIA BT A80 DUO
BASIC CHARACTERISTIS					
Motors	2	2	2	2	2
Maximum output	750 W	750 W	240+240 W	180+180 W	180+180 W
Connectivity		●	●	●	●
eelink		●	●	●	
erready	●	●	●	●	●
Board power supply	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V
Max. n. transmitters	63	63	63	63	128
Programming	DIP+TRIMMER	DISPLAY	DISPLAY	DISPLAY	DISPLAY
Autoset		●	●	●	●
Password		●	●	●	●
Power supply accessories	24V - 0,2A	24V - 1A	24V - 1A	24V - 1A	24V - 1A
ADVANCED FEATURES					
Separate safety inputs	●	●	●	●	●
Obstacle detection		●	●	●	●
Obstacle sensitivity		●			
Electronic torque adjustment		●	●	●	●
Separate limit switch inputs		●	●	●	●
Motor pre-heating		●			
Clock/Calendar		●			
DIAGNOSTICS					
Error diagnostics	LED	DISPLAY	DISPLAY	DISPLAY	DISPLAY
CLAMPS					
Optional card		●	●	●	●
External programming		●	●	●	●
Temperature sensor		●			
Antenna	●	●	●	●	●
CONFIGURATION OF SAFETY INPUTS					
Light sensor	●	●	●	●	●
Safety edge	●	●	●	●	●
Resistive edge	●	●	●	●	●
Tested photocell	●	●	●	●	●
Tested safety edge	●	●	●	●	●
Stop	●	●	●	●	●

Cp **Code**

Ci **International code**

U-Link

New

Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
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activation sensors automatic doors and security P. 287
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safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

Control units hydraulic swing gates

	ALCOR AC A	RIGEL 6 220-230V 50/60HZ	THALIA P	THALIA	THALIA BT A80 DUO
LIMIT SWITCH FOR INPUTS					
Limit switch for opening		●	●	●	●
Limit switch for closing		●	●	●	●
CONFIGURATION OF CONTROL INPUTS					
Start	●	●	●	●	●
Traffic light control		●	●	●	●
Open	●	●	●	●	●
Close		●	●	●	●
Pedestrian open		●	●	●	●
Open with timer		●	●	●	●
Pedestrian open with timer		●	●	●	●
OUTPUTS					
Blinker	230V - 40W	230V - 80W	24V - 1A	24V - 1A	24V - 1A
Configurable AUX 1	No	●	230 - 5A	No	24V - 1A
Configurable AUX 2	No	●	230 - 5A	No	No
Configurable AUX 3	No	●	24V - 1A	24V - 1A	No
Solenoid Lock	No	12V	12/24V	No	24V - 30W
OUTPUTS CONFIGURATION					
Gate open warning light		●	●	●	●
Courtesy light		●	●	●	●
Zone light		●	●	●	●
Gate open alarm		●	●	●	●
Stairs light		●	●	●	●
Blinker		●	●	●	●
Electric release lock		●	●	●	●
Electric magnetic lock		●	●	●	●
Maintenance		●	●	●	●
Flashing + Maintenance		●	●	●	●
Gate status		●			●
Bistable radio channel		●			
Time delay radio channel		●			
LOGICS					
Residential/Condominium	●	SI non in logiche	SI non in logiche	SI non in logiche	●
Photocell/Photocell closing	●	●	●	●	●
Check Photocell input	●	●	●		
Safefy edge/Resistive edge	●	●	●		●
Check safety edge input	●	●	●		
Operation Photocell input	●	●	●		
Pulse blocking		●	●	●	●
Pulse blocking opening		●	●	●	●
Pulse blocking TCA		●	●	●	●
Pulse blocking closing		●	●	●	●
Reversing stroke					
Reversing stroke opening	●	●	●	●	●
Reversing stroke closing		●	●	●	●
Maintain lock	●	●	●	●	●
Pedestrian opening		●	●	●	●
Quick closing	●	●	●	●	●
Emergency deadman	No	●	●	●	●
One motor active	S (trimmer a 0)	●	●	●	●
Pre-alarm		●	●	●	●
ICE feature			●	●	●
Deadman		●	●	●	●
Choose motor type			●	●	●
3 steps		●	●	●	●
4 steps	●	●	●	●	●
PARAMETERS					
Automatic Closing Time (TCA)	●				
work time	5-90 s	3-180 s	No	No	No
Opening delay time	No s	0-30 s	0-10 s	0-10 s	0-10 s
Closing delay time	0-25 s	0-30 s	0-25 s	0-25 s	0-25 s
Leaf force	No	1-99%	1-99%	1-99%	1-99%

Control units hydraulic swing gates

	ALCOR AC A	RIGEL 6 220-230V 50/60HZ	THALIA P	THALIA	THALIA BT A80 DUO
Leaf force slowdown	No	1-99%	No	No	No
LOGICS					
Brake		●			
Inversion motor phase shift			●	●	●
master/slave		●	●	●	●
PARAMETERS					
Slowdown Time	No	0-30 s	No	No	No
Slowdown Speed					
Deceleration Space	No	No	0-50%	0-50%	0-50%
Pedestrian opening	No	3-90 s	10-99%	10-99%	10-99%
Number of Movements Programming	No	0-250	No	No	No
Slowdown Space Opening	No	No	0-50%	0-50%	0-50%
LOGICS					
2 steps		●	●	●	●
PARAMETERS					
Time to Clear Traffic Light Area	No	1-180 s	1-180 s	1-180 s	1-180 s
Opening Speed					
Closing Speed					
Brake	No	0-99%	No	No	No
Slowdown Space Closing	No	No	0-50%	0-50%	0-50%
Pre-heating	No	0-99%	No	No	No
Output Time Delay Activation Time	No	1-240 s	No	No	No
Emergency Brake	No	0-99%	No	No	No
Obstacle Sensitivity					

Cp **Code**

Ci **International code**

U-Link

new New

Ph. Out Phase-out

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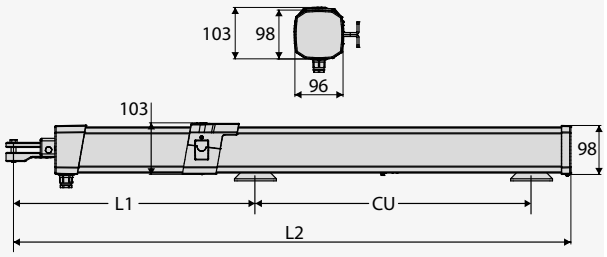
GIUNO ULTRA BT A

HOME
BUILDING
U-Link
24 V
er ready
ee link
d-track

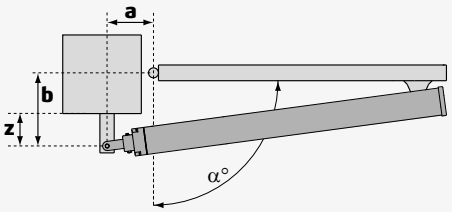
Complete range of low voltage hydraulic pistons for very intensive use, suitable for any type of residential, industrial or multi-residence application.
Compact and sturdy, capable of automating swing gate leaves up to 5 metres wide and weighing up to 800 kg.
Anti-crushing safety guaranteed thanks to the exclusive D-Track system

DIMENSION (mm)



	L1	CU	L2
GIUNO BT A20	715	270	1116
GIUNO BT A50	932	392	1381

INSTALLATION DIMENSIONS



GIUNO ULTRA BT A 20

z > 45 (mm)	a (mm) 90	100	110	125	135	145	155	165	175
90					110	104	98	95	91
100					105	99	95	91	88
110				108	100	95	91	88	
125				99	93	89	86		
135			99	93	89				
145		95	97	89					
155		95	91						
165	91	91	86						
175	91	85							α°

b (mm)

GIUNO ULTRA BT A 50

z > 45 (mm)	a (mm) 115	135	155	175	195	215	235	255	275
115				110	110	108	101	96	92
135			106	106	110	1025	96	92	
155		107	106	108	103	96	91	87	
175		103	107	106	96	91	86		
195		104	106	97	90	86			
215		101	99	90	85				
235	96	101	90	84					
255	95	89	83						
275	88								α°

b (mm)

TECHNICAL FEATURES

	GIUNO ULTRA BT A20	GIUNO ULTRA BT A50
Control unit	THALIA P	THALIA P
Board power supply	230 V	230 V
Motor voltage	24 V	24 V
Power consumption	90 W	90 W
Max. width of door/gate wing	2 m	5 m
Max. weight of door/gate wing	300 kg	800 kg
Useful rod stroke	270 mm	392 mm
Maximum angle	110 °	110 °
Cycle time	14 s	20 s
Type of limit switch	Magnetic	Magnetic
Slowdown	Yes	Yes
Locking	Selectable in opening/closing	Selectable in opening/closing
Release	Triangle key	Triangle key
Impact reaction	D-Track	D-Track
Frequency of use	very intensive	very intensive
Protection rating	IP55	IP55
Environmental conditions	-20 ÷ 60 °C	-20 ÷ 60 °C

Code	International code	Name		Description
P935105 00001	**2600869**	**GIUNO ULTRA BT A20**		Hydraulic operator with 24 V for hinged wings up to 2 m. 300 kg in weight and use very intensive. Manoeuvre time 14 s. Selectable locking Magnetic limit switches
P935106 00001	**2600551**	**GIUNO ULTRA BT A50**		Hydraulic operator with 24 V for hinged wings up to 5 m. 800 kg in weight and use very intensive. Manoeuvre time 20 s. Selectable locking Magnetic limit switches

THALIA P: Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems

Cp D113747 00002 - Ci 2600583 - THALIA P - Recommended

- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated dual channel receiver, D-Track anti-crushing system , slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge 8K2.
- Application: display panel for 1 or 2 24V operators
- Compatibility: LIBRA, LIBRA R, LIBRA MA R

VITAL ACCESSORIES

Cp D113745 00002 - **Ci** 2600477
THALIA

Control panel with display for one or two 24V electromechanical operators for swing gates

U-Link EasyAXS new

Cp D114215 00002 - **Ci** 2614324
THALIA BT A80 DUO

Control panel for one or two 24V operators for swing gates, for highly complex systems. The product complies with the new energy efficiency regulations.

RECOMMENDED ACCESSORIES

new **Cp** P111821 - **Ci** 2614326
EBD

Inputs and outputs expansion card for Thalia BT A card. Includes two command inputs and four non-programmable security inputs.

Ph. Out **Cp** N733426 - **Ci** 2600790
ARB LUX

Adjustable front and rear bracket for LUX operator

Ph. Out **Cp** N733474 - **Ci** 2600909
ARB LUX G

Adjustable front and rear bracket for LUX G operator

Cp N733474 00001 - **Ci** 2610956
ARB GIUNO

Adjustable front mounting bracket

Cp N735002 - **Ci** 2601324
SFR B

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)

Cp N735003 - **Ci** 2601367
SFR-L B

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)

Cp N735002 00001 - **Ci** 2601273
SFR B - COMPLETE

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp N735003 00001 - **Ci** 2601392
SFR-L B - COMPLETE

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp D610180 - **Ci** 2600598
CLS

Triangular release key l=52 mm

Cp N999443 - **Ci** 2600983
PL LX BT

Anchor plate for welding the mountings to masonry pillars for LUX BT, GIUNO BT A

new **Cp** P125052 - **Ci** 2614986
BBT BAT CBOX DUO

Emergency battery kit for DUO series panels, complete with wiring and power supply card. Version for installation inside the box.

Cp P125020 - **Ci** 2600844
BBT BAT

Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Hydraulic automation systems for swing gates

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

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ORO

HOME

ee link

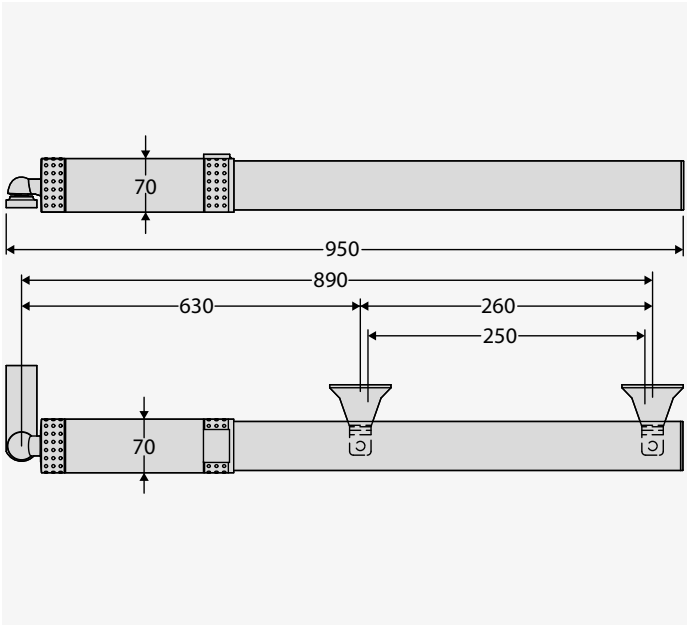
er ready

U-Link

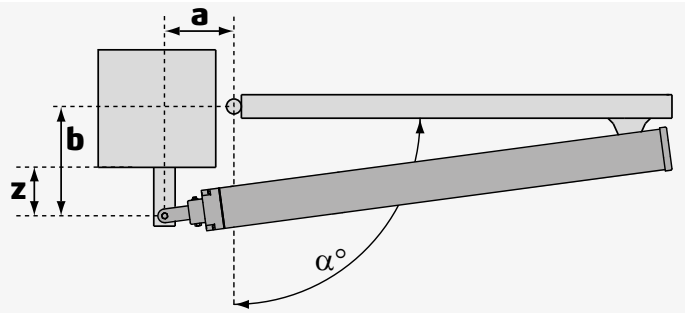
d-track

Extremely compact and sturdy hydraulic operators suitable for residential and small condominium use.
Capable of automating swing gate leaves up to 2.5 metres wide and weighing up to 200 kg.
Available in both reversible and irreversible versions. Maximum precision in force control guaranteed by by-pass valves.

DIMENSION (mm)



INSTALLATION DIMENSIONS



ORO - ORO E

z > 40 (mm)	a (mm) 80	90	100	110	120	130	140	150	160
80					112	104	99	94	91
90					105	99	94	91	88
100					100	94	91		
110					95	89	87		
120			103	95	90				
130		106	95	90	86				
140		96	89						
150	97	89	84						
160	88	83	80						α°

b (mm)

TECHNICAL FEATURES

	ORO	ORO E
Control unit	RIGEL 6	RIGEL 6
Board power supply	230 V	230 V
Motor voltage	230 V	230 V
Power consumption	240 W	240 W
Max. width of door/gate wing	1,8 m	2,5 m
Max. weight of door/gate wing	180 kg	200 kg
Useful rod stroke	250 mm	250 mm
Maximum angle	112 °	112 °
Cycle time	20 s	27 s
Type of limit switch	work time	work time
Slowdown	no	no
Locking	Hydraulic closing	Solenoid Lock
Release	Triangle key	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch
Frequency of use	Semi intensive	Semi intensive
Protection rating	IP55	IP55
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C

Code	International code	Name		Description
P935059 00001	2600862	ORO		Irreversible hydraulic operator for hinged leaves up to 1,8 m and 180 kg in weight, duty Semi intensive. Manoeuvre time 20 s. Compact size
P935058 00001	2611733	ORO E		Reversible hydraulic operator for hinged leaves up to 2,5 m and weight 200 kg, use Semi intensive. Manoeuvre time 27 s. Compact size
R935222 00002	2611902	ORO KIT		Kit for swing gates up to 1,8 m and 180 kg in weight with irreversible hydraulic operators for Semi intensive use. Cycle time 20 s. Compact size
R935210 00011	2611898	ORO KIT FRA		Kit for swing gates up to 1,8 m and 180 kg in weight with irreversible hydraulic operators for Semi intensive use. Cycle time 20 s. Compact size

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators

Cp D113833 00002 - **Ci** 2600589 - **RIGEL 6 220-230V 50/60HZ - Recommended**

- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators , weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

VITAL ACCESSORIES

Cp D114092 00002 - **Ci** 2601365
ALCOR AC A

Control unit with on-board receiver - no display - Standard terminal block

Cp D113680 00002 - **Ci** 2600108
ALPHA SD

Universal control panel with potentiometers for one 230V/500W single-phase operator

RECOMMENDED ACCESSORIES

Cp N733424 00001 - **Ci** 2610950
ARB ORO - LUX

Adjustable front mounting bracket for ORO and LUX

Cp N735002 - **Ci** 2601324
SFR B

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)

Cp N735003 - **Ci** 2601367
SFR-L B

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)

Cp N735002 00001 - **Ci** 2601273
SFR B - COMPLETE

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp N735003 00001 - **Ci** 2601392
SFR-L B - COMPLETE

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp D730178 - **Ci** 2600090
PLE

Anchor plate for attaching the rear mountings to masonry pillars for LUX, ORO, and PHOBOS operators.

Cp D111013 - **Ci** 2607261
ME

Control board for 12Vac solenoid lock for 230V automation systems

Cp D610180 - **Ci** 2600598
CLS

Triangular release key l=52 mm

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** P123032 00001 - **Ci** 2613516
EBP AC A 230V 50/60HZ

230V vertical electric lock.

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

new **Cp** P123032 00002 - **Ci** 2613517
EBP AC A 120V 50/60Hz

120V vertical electric lock.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

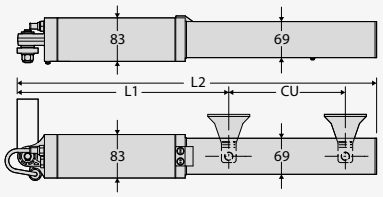
2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

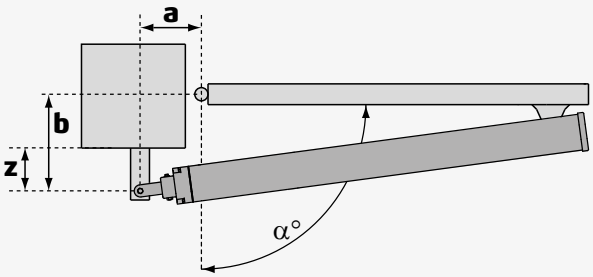
Complete range of low voltage hydraulic pistons for very intensive use, suitable for any type of residential, industrial or multi-residence application.
Compact and sturdy, capable of automating swing gate leaves up to 5 metres wide and weighing up to 800 kg.
Available in both reversible and irreversible versions, with maximum precision in torque control guaranteed by by-pass valves.

DIMENSION (mm)



	L1	CU	L2
LUX / LUX B / LUX 2B	715	270	1025
LUX FC 2B	850	280	1320
LUX R 2B SN2	710	250	1050
LUX MB / LUX L	715	270	1025
LUX G	850	390	1300

INSTALLATION DIMENSIONS



LUX FC 2B

z > 45 (mm) / b (mm)	a (mm) 110	120	130	140	150
110			112	104	98
120		117	105	99	94
130		107	99	94	90
140	112	100	94	90	
150	102	94	90		
160	94	89			α°

LUX - LUX B - LUX 2B - LUX MB - LUX L

z > 45 (mm) / b (mm)	a (mm) 80	90	100	110	120	135	145	155	165	175
90						116	108	102	98	94
100						110	103	98	94	91
110					123	104	99	94	91	
120					111	99	94	91		
135				111	100	90				
145				102	94					
155			104	95	90					
165			95	90						
175		95	88							
185	96	88								α°

LUX G

z > 45 (mm) / b (mm)	a (mm) 95	115	135	155	175	195	215	235	255	276	295
95						128	115	107	102	97	94
115						119	108	102	97	93	90
135					130	111	102	97	93	89	
155					114	103	97	92	88		
175					104	96	91	87			
195				107	96	90					
215				96	89						
235			96	88							
255	105	96	87								
276	96	85									
295	94										α°

LUX R 2B SN2

z > 45 (mm) / b (mm)	a (mm) 105	115	125	135	145	155
105			100	95	91	87
115		101	95	90		
125		95	90			
135	95	90				
145	89					
155	84					α°

TECHNICAL FEATURES

	LUX	LUX SA	LUX R	LUX RSN2
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W
Max. width of door/gate wing	2 m	2 m	2,2 m	2,2 m
Max. weight of door/gate wing	300 kg	300 kg	300 kg	300 kg
Useful rod stroke	270 mm	270 mm	270 mm	270 mm
Maximum angle	123 °	123 °	123 °	123 °
Cycle time	17 s	17 s	17 s	17 s
Type of limit switch	work time	work time	work time	work time
Slowdown	no	no	no	no
Locking	Solenoid Lock	Solenoid Lock	Solenoid Lock	Solenoid Lock
Release	Reversible	Reversible	Reversible	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive
Protection rating	IP57	IP57	IP57	IP57
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C

	LUX B	LUX BA	LUX 2B	LUX 2B WINTER
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W
Max. width of door/gate wing	2 m	2 m	2 m	2 m
Max. weight of door/gate wing	300 kg	300 kg	300 kg	300 kg
Useful rod stroke	270 mm	270 mm	270 mm	270 mm

	LUX B	LUX BA	LUX 2B	LUX 2B WINTER
Maximum angle	123 °	123 °	123 °	123 °
Cycle time	17 s	17 s	17 s	17 s
Type of limit switch	work time	work time	work time	work time
Slowdown	no	no	no	no
Locking	Hydraulic closing	Solenoid Lock	Open/close hydraulics	Open/close hydraulics
Release	Triangle key	Reversible	Triangle key	Triangle key
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive
Protection rating	IP57	IP57	IP57	IP57
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-20 ÷ 60 °C

	LUX 2B UL/CSA 120V	LUX R2B	LUX R 2B SN2	LUX FC 2B
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	280 W
Max. width of door/gate wing	2 m	2 m	2 m	2 m
Max. weight of door/gate wing	300 kg	300 kg	300 kg	300 kg
Useful rod stroke	270 mm	270 mm	250 mm	280 mm
Maximum angle	123 °	123 °	101 °	117 °
Cycle time	17 s	17 s	16+rall, s	17 s
Type of limit switch	work time	work time	work time	work time
Slowdown	no	no	Yes	no
Locking	Open/close hydraulics	Solenoid Lock	Open/close hydraulics	Open/close hydraulics
Release	Triangle key	Reversible	Triangle key	Triangle key
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive
Protection rating	IP57	IP57	IP57	IP57
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C

	LUX R 2B 2SN UL/CSA	LUX FC 2B UL/CSA	LUX MB	LUX GV
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V	230 V
Power consumption	250 W	280 W	250 W	250 W
Max. width of door/gate wing	2 m	2 m	2,3 m	3,5 m
Max. weight of door/gate wing	300 kg	300 kg	300 kg	300 kg
Useful rod stroke	250 mm	280 mm	270 mm	270 mm
Maximum angle	101 °	117 °	123 °	123 °
Cycle time	16+rall, s	17 s	23 s	17 s
Type of limit switch	work time	work time	work time	work time
Slowdown	Yes	no	no	no
Locking	Open/close hydraulics	Open/close hydraulics	Hydraulic closing	Solenoid Lock
Release	Triangle key	Triangle key	Triangle key	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive
Protection rating	IP57	IP57	IP57	IP57
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C

	LUX L	LUX LR	LUX G	LUX G WINTER
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W
Max. width of door/gate wing	4 m	4 m	5 m	5 m
Max. weight of door/gate wing	500 kg	500 kg	800 kg	800 kg
Useful rod stroke	270 mm	270 mm	390 mm	390 mm
Maximum angle	123 °	123 °	130 °	130 °
Cycle time	33 s	33 s	48 s	48 s
Type of limit switch	work time	work time	work time	work time
Slowdown	no	no	no	no
Locking	Solenoid Lock	Solenoid Lock	Solenoid Lock	Solenoid Lock
Release	Reversible	Reversible	Reversible	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive
Protection rating	IP57	IP57	IP57	IP57
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-20 ÷ 60 °C

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
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control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

Code	International code	Name		Description
P935009 00001	2611693	LUX		Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935025 00001	2611712	LUX SA		Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935044 00001	2612761	LUX R		Hydraulic operator 230 V for hinged leaves up to 2,2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935044 00002	2611719	LUX RSN2		Hydraulic operator 230 V for hinged leaves up to 2,2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935010 00001	2600937	LUX B		Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Hydraulic closing
P935027 00001	2611713	LUX BA		Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935011 00001	2600017	LUX 2B		Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Open/close hydraulics
P935011 00028	2611696	LUX 2B WINTER		Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Open/close hydraulics Extremely low temperatures
P935011 00013	2611694	LUX 2B UL/CSA 120V		Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Open/close hydraulics Locking on closure/opening
P935046 00001	2611722	LUX R2B		Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935046 00002	2611723	LUX R 2B SN2		Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 250 mm, manoeuvre time 16+rall, s and maximum opening angle 101 °. Locking system: Open/close hydraulics
P935039 00001	2600861	LUX FC 2B		Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 280 mm, manoeuvre time 17 s and maximum opening angle 117 °. Locking system: Open/close hydraulics
P935046 00004	2611724	LUX R 2B 2SN UL/CSA		Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 250 mm, manoeuvre time 16+rall, s and maximum opening angle 101 °. Locking system: Open/close hydraulics Locking on closure/opening
P935039 00002	2611716	LUX FC 2B UL/CSA		Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 280 mm, manoeuvre time 17 s and maximum opening angle 117 °. Locking system: Open/close hydraulics Locking on closure/opening
P935035 00001	2611714	LUX MB		Hydraulic operator 230 V for hinged leaves up to 2,3 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 23 s and maximum opening angle 123 °. Locking system: Hydraulic closing Locking on closure
P935014 00001	2611702	LUX GV		Hydraulic operator 230 V for hinged leaves up to 3,5 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935012 00001	2600555	LUX L		Hydraulic operator 230 V for hinged leaves up to 4 m and 500 kg in weight. Useful travel 270 mm, manoeuvre time 33 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935049 00001	2611729	LUX LR		Hydraulic operator 230 V for hinged leaves up to 4 m and 500 kg in weight. Useful travel 270 mm, manoeuvre time 33 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935013 00001	2611699	LUX G		Hydraulic operator 230 V for hinged leaves up to 5 m and 800 kg in weight. Useful travel 390 mm, manoeuvre time 48 s and maximum opening angle 130 °. Locking system: Solenoid Lock Reversible
P935013 00022	2611701	LUX G WINTER		Hydraulic operator 230 V for hinged leaves up to 5 m and 800 kg in weight. Useful travel 390 mm, manoeuvre time 48 s and maximum opening angle 130 °. Locking system: Solenoid Lock Reversible. Extremely low temperatures. Extremely low temperatures
R935217 00002	2611900	LUX MB KIT		Kit for swing gates up to 2,3 m, 300 kg in weight. Hydraulic operators with useful travel 270 mm, max angle 123 °, locking Hydraulic closing and release Triangle key. Cycle time 23 s. Power input 250 W. Locking on closure

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators

Cp D113833 00002 - Ci 2600589 - RIGEL 6 220-230V 50/60HZ - Recommended

- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators , weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

VITAL ACCESSORIES

Cp D114092 00002 - **Ci** 2601365
ALCOR AC A

Control unit with on-board receiver - no display - Standard terminal block

Cp D113680 00002 - **Ci** 2600108
ALPHA SD

Universal control panel with potentiometers for one 230V/500W single-phase operator

RECOMMENDED ACCESSORIES

Ph. Out **Cp** N733426 - **Ci** 2600790
ARB LUX

Adjustable front and rear bracket for LUX operator

Ph. Out **Cp** N733474 - **Ci** 2600909
ARB LUX G

Adjustable front and rear bracket for LUX G operator

Cp N733424 00001 - **Ci** 2610950
ARB ORO - LUX

Adjustable front mounting bracket for ORO and LUX

Cp N735002 - **Ci** 2601324
SFR B

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)

Cp N735003 - **Ci** 2601367
SFR-L B

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)

Cp N735002 00001 - **Ci** 2601273
SFR B - COMPLETE

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp N735003 00001 - **Ci** 2601392
SFR-L B - COMPLETE

Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Cp D730178 - **Ci** 2600090
PLE

Anchor plate for attaching the rear mountings to masonry pillars for LUX, ORO, and PHOBOS operators.

Cp D111013 - **Ci** 2607261
ME

Control board for 12Vac solenoid lock for 230V automation systems

Cp D610180 - **Ci** 2600598
CLS

Triangular release key l=52 mm

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

new **Cp** P123032 00001 - **Ci** 2613516
EBP AC A 230V 50/60HZ

230V vertical electric lock.

new **Cp** P123032 00002 - **Ci** 2613517
EBP AC A 120V 50/60Hz

120V vertical electric lock.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

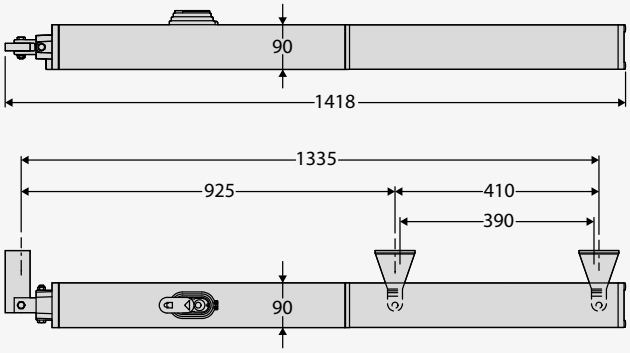
2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

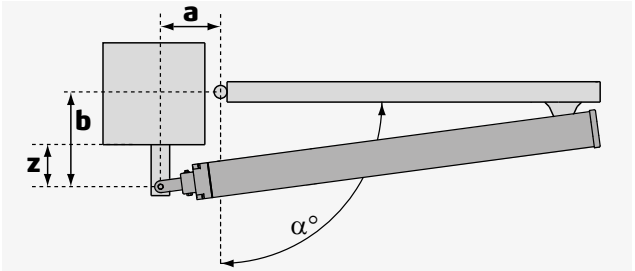
4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Extremely sturdy and reliable hydraulic operators for industrial and condominium use. They can automate swing gate leaves up to 7m wide and weighing up to 500kg.
Smooth, silent gate movements are guaranteed by the extremely high-performance hydraulic system and the closing slowdown.
Maximum precision in traction and thrust force control is guaranteed by the by-pass valve system.

DIMENSION (mm)



INSTALLATION DIMENSIONS



P4,5 - P7

z > 50 (mm)	a (mm)										
b (mm)	120	135	150	165	180	195	210	225	240	255	270
120						117	109	103	99	95	92
135					123	111	104	99	95	92	
150					114	105	99	95	92		
165				123	107	100	95	91			
180				109	100	95	91				
195			118	101	95	90					
210			103	95	90						
225		106	95	89							
240		95	89								
255	95	88									
270	88										α°

TECHNICAL FEATURES

	P4,5	P4,5 WINTER	P4.5 UL/CSA
Control unit	RIGEL 6	RIGEL 6	RIGEL 6
Board power supply	230 V	230 V	230 V
Motor voltage	230 V	230 V	120 V
Power consumption	250 W	250 W	250 W
Max. width of door/gate wing	4,5 m	4,5 m	4,5 m
Max. weight of door/gate wing	500 kg	500 kg	500 kg
Useful rod stroke	390 mm	390 mm	390 mm
Maximum angle	123 °	123 °	123 °
Cycle time	28+slowdown s	28+slowdown s	28+slowdown s
Type of limit switch	work time	work time	work time
Slowdown	During closing	During closing	During closing
Locking	Solenoid Lock	Solenoid Lock	Solenoid Lock
Release	Reversible	Reversible	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive
Protection rating	IP55	IP55	IP55
Environmental conditions	-10 ÷ 60 °C	-30 ÷ 60 °C	-10 ÷ 60 °C

	P7	P7 WINTER	P7 UL/CSA
Control unit	RIGEL 6	RIGEL 6	RIGEL 6
Board power supply	230 V	230 V	230 V
Motor voltage	230 V	230 V	120 V
Power consumption	250 W	250 W	250 W
Max. width of door/gate wing	7 m	7 m	7 m
Max. weight of door/gate wing	500 kg	500 kg	500 kg
Useful rod stroke	390 mm	390 mm	390 mm
Maximum angle	123 °	123 °	123 °
Cycle time	42+slowdown s	42+slowdown s	42+slowdown s
Type of limit switch	work time	work time	work time
Slowdown	During closing	During closing	During closing
Locking	Solenoid Lock	Solenoid Lock	Solenoid Lock
Release	Reversible	Reversible	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive
Protection rating	IP55	IP55	IP55
Environmental conditions	-10 ÷ 60 °C	-30 ÷ 60 °C	-10 ÷ 60 °C

Code	International code	Name		Description
P935061 00001	**2600016**	**P4,5**		Reversible hydraulic operator for swing gates up to 4,5 m. 500 kg in weight. Cycle time 28+slowdown s. Useful travel 390 mm. max angle 123 °. Closing slowdown
P935061 00004	**2611740**	**P4,5 WINTER**		Reversible hydraulic operator for swing gates up to 4,5 m. 500 kg in weight. Cycle time 28+slowdown s. Useful travel 390 mm. max angle 123 °. Extremely low temperatures
P935061 00003	**2611739**	**P4.5 UL/CSA**		Reversible hydraulic operator for swing gates up to 4,5 m. 500 kg in weight. Cycle time 28+slowdown s. Useful travel 390 mm. max angle 123 °. Closing slowdown
P935060 00001	**2600516**	**P7**		Reversible hydraulic operator for swing gates up to 7 m. 500 kg in weight. Cycle time 42+slowdown s. Useful travel 390 mm. max angle 123 °. Closing slowdown
P935060 00004	**2611736**	**P7 WINTER**		Reversible hydraulic operator for swing gates up to 7 m. 500 kg in weight. Cycle time 42+slowdown s. Useful travel 390 mm. max angle 123 °. Extremely low temperatures
P935060 00003	**2611735**	**P7 UL/CSA**		Reversible hydraulic operator for swing gates up to 7 m. 500 kg in weight. Cycle time 42+slowdown s. Useful travel 390 mm. max angle 123 °. Closing slowdown

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators

Cp D113833 00002 - **Ci** 2600589 - **RIGEL 6 220-230V 50/60HZ - Recommended**

- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators , weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

VITAL ACCESSORIES

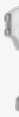
Cp D114092 00002 - **Ci** 2601365
ALCOR AC A

Control unit with on-board receiver - no display - Standard terminal block

Cp D113680 00002 - **Ci** 2600108
ALPHA SD

Universal control panel with potentiometers for one 230V/500W single-phase operator

RECOMMENDED ACCESSORIES



Cp D610180 - **Ci** 2600598
CLS

Triangular release key l=52 mm

Cp D111013 - **Ci** 2607261
ME

Control board for 12Vac solenoid lock for 230V automation systems

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

new **Cp** P123032 00001 - **Ci** 2613516
EBP AC A 230V 50/60HZ

230V vertical electric lock.

new **Cp** P123032 00002 - **Ci** 2613517
EBP AC A 120V 50/60Hz

120V vertical electric lock.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

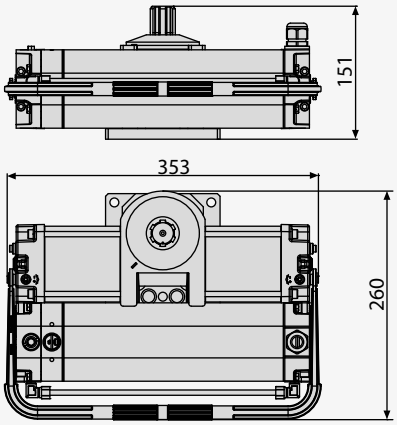
4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

SUB BT

HOME
BUILDING
URBAN
ee link
er ready
d-track
24 V
U-Link

Low voltage hydraulic operator for very intensive use, suitable for any type of residential, industrial or multi-residence application.
Compact and sturdy, they can automate swing gate leaves up to 2.5m wide and weighing up to 800kg.
Fitted with mechanical stops and virtual encoder, guaranteeing maximum anti-crushing safety thanks to the electronic slowdown and D-Track system

DIMENSION (mm)



Hydraulic automation systems for swing gates

TECHNICAL FEATURES

	SUB BT
Control unit	THALIA P
Board power supply	230 V
Motor voltage	24 V
Power consumption	300 W
Max. width of door/gate wing	2,5 m
Max. weight of door/gate wing	800 kg
Maximum angle	120 °
Cycle time	13 s
Slowdown	Yes
Locking	Open/close hydraulics
Release	Lever or lever with personalised key
Impact reaction	D-Track
Frequency of use	very intensive
Protection rating	IP67
Environmental conditions	-20 ÷ 60 °C

Code	International code	Name		Description
P930123 00001	**2601016**	**SUB BT**		Low voltage, in-ground irreversible hydraulic operator for hinged leaves up to 2,5 m. weight 800 kg. D-Track

THALIA P: Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems

Cp D113747 00002 - Ci 2600583 - THALIA P - Recommended

- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated dual channel receiver, D-Track anti-crushing system , slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge 8K2.
- Application: display panel for 1 or 2 24V operators
- Compatibility: LIBRA, LIBRA R, LIBRA MA R

VITAL ACCESSORIES

Cp D113745 00002 - **Ci** 2600477
THALIA

Control panel with display for one or two 24V electromechanical operators for swing gates

Cp N733480 00001 - **Ci** 2601015
FCS BT

Foundation box for SUB BT series operators

Cp N733502 - **Ci** 2610959
SCP

Release for ELI AC A, ELI BT A and SUB BT with personalized key.

Cp D114215 00002 - **Ci** 2614324
THALIA BT A80 DUO

Control panel for one or two 24V operators for swing gates, for highly complex systems. The product complies with the new energy efficiency regulations.

Cp N733392 - **Ci** 2600478
SCC

Release for ELI AC A, ELI BT A and SUB BT with lever key.

RECOMMENDED ACCESSORIES

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

Cp D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P125052 - **Ci** 2614986
BBT BAT CBOX DUO

Emergency battery kit for DUO series panels, complete with wiring and power supply card. Version for installation inside the box.

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp P125020 - **Ci** 2600844
BBT BAT

Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE

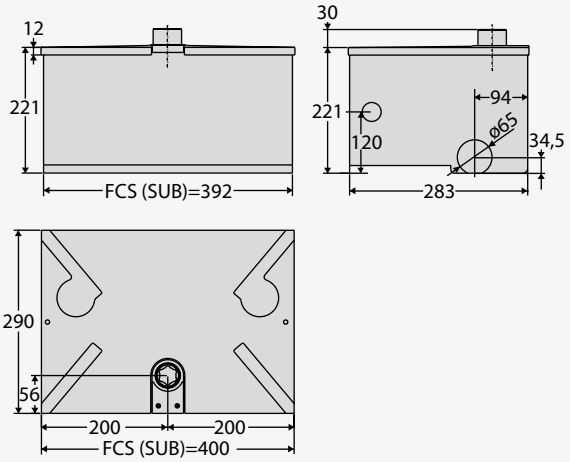
Cp D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

HOME
BUILDING
URBAN
ee link
er ready
U-Link

Complete range of underground hydraulic operators for very intensive use, suitable for any type of residential, industrial or multi-residence application.
Compact and sturdy, capable of automating swing gate leaves up to 3.5 metres wide and weighing up to 800 kg.
Available in reversible and non-reversible versions, with or without slowdown during opening and closing and with opening angles up to 180°.

DIMENSION (mm)



TECHNICAL FEATURES

	SUB DX	SUB SX	SUB R DX	SUB R SX	SUB R UL/CSA DX	SUB R WINTER DX
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Board power supply	230 V	230 V	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	230 V	230 V	120 V	230 V
Power consumption	250 W	250 W	250 W	250 W	250 W	250 W
Max. width of door/gate wing	1,8 m	1,8 m	1,8 m	1,8 m	3,5 m	1,8 m
Max. weight of door/gate wing	800 kg	800 kg	800 kg	800 kg	800 kg	800 kg
Maximum angle	130 °	130 °	130 °	130 °	130 °	130 °
Cycle time	24 s	24 s	14+slowdown s	14+slowdown s	14+slowdown s	14+slowdown s
Type of limit switch	work time	work time	work time	work time	work time	work time
Slowdown	no	no	Yes	Yes	Yes	Yes
Locking	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics
Release	Triangle key	Triangle key	Triangle key	Triangle key	Non reversing	Non reversing
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP67	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-30 ÷ 60 °C

	SUB R WINTER SX	SUB E DX	SUB E SX	SUB ER DX	SUB ER SX	SUB EL DX
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Board power supply	230 V	230 V	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W	250 W	250 W
Max. width of door/gate wing	1,8 m	2,5 m	2,5 m	2,5 m	2,5 m	3,5 m
Max. weight of door/gate wing	800 kg	800 kg	800 kg	800 kg	800 kg	800 kg
Maximum angle	130 °	130 °	130 °	130 °	130 °	130 °
Cycle time	14+slowdown s	24 s	24 s	14+slowdown s	14+slowdown s	33 s
Type of limit switch	work time	work time	work time	work time	work time	work time
Slowdown	Yes	no	no	Yes	Yes	no
Locking	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Solenoid Lock	Solenoid Lock	Solenoid Lock
Release	Non reversing	Reversible	Reversible	Reversible	Reversible	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP67	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-30 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C

	SUB EL SX	SUB G DX	SUB G SX	SUB G UL/CSA DX	SUB EG DX	SUB EG SX
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Board power supply	230 V	230 V	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	230 V	120 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W	250 W	250 W
Max. width of door/gate wing	3,5 m	1,8 m	1,8 m	3,5 m	1,8 m	1,8 m
Max. weight of door/gate wing	800 kg	800 kg	800 kg	800 kg	800 kg	800 kg
Maximum angle	130 °	180 °	180 °	180 °	130 °	130 °
Cycle time	33 s	33 s	33 s	33 s	24 s	24 s
Type of limit switch	work time	work time	work time	work time	work time	work time
Slowdown	no	no	no	no	no	no
Locking	Solenoid Lock	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics
Release	Reversible	Triangle key	Triangle key	Non reversing	Reversible	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP67	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C

Cp **Code**

Ci **International code**

U-Link

New

Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

Code	International code	Name		Description
P930026 00001	2600858	SUB DX		In-ground 230 V hydraulic operator Triangle key for hinged leaves up to 1,8 m. Manoeuvre time 24 s. Right operator. very intensive
P930026 00002	2600859	SUB SX		In-ground 230 V hydraulic operator Triangle key for hinged leaves up to 1,8 m. Manoeuvre time 24 s. Left operator. very intensive
P930012 00005	2601416	SUB R DX		In-ground 230 V irreversible hydraulic operator for swing gates up to 1,8 m with slowdown. Maneuver time 14+slowdown s. Right operator. Slowdown
P930012 00006	2611674	SUB R SX		In-ground 230 V irreversible hydraulic operator for swing gates up to 1,8 m with slowdown. Maneuver time 14+slowdown s. Left operator. Slowdown
P930012 00007	2611675	SUB R UL/CSA DX		In-ground 120 V irreversible hydraulic operator for swing gates up to 3,5 m with slowdown. Maneuver time 14+slowdown s. Right operator. Slowdown
P930012 00009	2611677	SUB R WINTER DX		In-ground 230 V irreversible hydraulic operator for swing gates up to 1,8 m with slowdown. Maneuver time 14+slowdown s. Right operator. Extremely low temperatures
P930012 00010	2611678	SUB R WINTER SX		In-ground 230 V irreversible hydraulic operator for swing gates up to 1,8 m with slowdown. Maneuver time 14+slowdown s. Left operator. Extremely low temperatures
P930009 00004	2601480	SUB E DX		In-ground 230 V hydraulic operator Reversible for hinged leaves up to 2,5 m. Manoeuvre time 24 s. Right operator. very intensive
P930009 00005	2611668	SUB E SX		In-ground 230 V hydraulic operator Reversible for hinged leaves up to 2,5 m. Manoeuvre time 24 s. Right operator. very intensive
P930013 00007	2600975	SUB ER DX		Reversible underground 230 V hydraulic operator for swing gates up to 2,5 m with soft closing. Operation time 14+slowdown s. Right-hand operator. Slowdown
P930013 00008	2600974	SUB ER SX		Reversible underground 230 V hydraulic operator for swing gates up to 2,5 m with soft closing. Operation time 14+slowdown s. Left-hand operator. Slowdown
P930014 00005	2611681	SUB EL DX		In-ground 230 V hydraulic operator Reversible for hinged leaves up to 3,5 m. Manoeuvre time 33 s. Right operator. very intensive
P930014 00006	2600973	SUB EL SX		In-ground 230 V hydraulic operator Reversible for hinged leaves up to 3,5 m. Manoeuvre time 33 s. Left operator. very intensive
P930010 00005	2601300	SUB G DX		In-ground 230 V hydraulic operator Triangle key for hinged leaves up to 1,8 m. Manoeuvre time 33 s. Right operator. very intensive
P930010 00006	2600026	SUB G SX		In-ground 230 V hydraulic operator Triangle key for hinged leaves up to 1,8 m. Manoeuvre time 33 s. Right operator. very intensive
P930010 00007	2611671	SUB G UL/CSA DX		In-ground 120 V hydraulic operator Non reversing for hinged leaves up to 3,5 m. Manoeuvre time 33 s. Right operator. very intensive
P930011 00005	2601256	SUB EG DX		In-ground 230 V hydraulic operator Reversible for hinged leaves up to 1,8 m. Manoeuvre time 24 s. Right operator. very intensive
P930011 00006	2601257	SUB EG SX		In-ground 230 V hydraulic operator Reversible for hinged leaves up to 1,8 m. Manoeuvre time 24 s. Right operator. very intensive

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators

Cp D113833 00002 - **Ci** 2600589 - **RIGEL 6 220-230V 50/60HZ - Recommended**

- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators , weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

VITAL ACCESSORIES

Cp D114092 00002 - **Ci** 2601365
ALCOR AC A

Control unit with on-board receiver - no display - Standard terminal block

Cp N733066 00003 - **Ci** 2600784
FCS DX

Foundation box designed for fitting the SUB right-hand operator, allowing easy maintenance without ever having to disassemble the gate leaf

Cp N733066 00001 - **Ci** 2610894
CPS DX

Foundation box designed for fitting the SUB right-hand operator

Cp N733092 - **Ci** 2600370
CPS G

Weight-bearing foundation box for preparation for assembly of SUB G right and left operator

Cp D113680 00002 - **Ci** 2600108
ALPHA SD

Universal control panel with potentiometers for one 230V/500W single-phase operator

Cp N733066 00004 - **Ci** 2600785
FCS SX

Foundation box designed for fitting the SUB left-hand operator, allowing easy maintenance without ever having to disassemble the gate leaf

Cp N733066 00002 - **Ci** 2610895
CPS SX

Foundation box designed for fitting the SUB left-hand operator

RECOMMENDED ACCESSORIES

Cp D610256 - **Ci** 2600599
CLS/82

Triangular release key for SUB operators l=82 mm

Cp D111013 - **Ci** 2607261
ME

Control board for 12Vac solenoid lock for 230V automation systems

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

new **Cp** P123032 00001 - **Ci** 2613516
EBP AC A 230V 50/60HZ

230V vertical electric lock.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp N728002 - **Ci** 2600776
BSC

Arm for installation of SUB out of the gate axis

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

new **Cp** P123032 00002 - **Ci** 2613517
EBP AC A 120V 50/60Hz

120V vertical electric lock.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Guide to choosing

Max. door/ gate weight	Gate panel speed	Motor voltage	Frequency of use	Kit	Model	Plus
slide						
300 kg	16 m/min	24 V	intensive	-	DEIMOS BT A400 V	Limit switch Electromechanical. Trimmer and dip switch control unit.
				-	DEIMOS BT A400 V SQ	Limit switch Electromechanical.
				-	DEIMOS ULTRA BT A400 V	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.
		120 V		-	DEIMOS BT A400 V 120	Limit switch Electromechanical. Trimmer and dip switch control unit.
360 kg		24 V		-	DEIMOS BT A600 V	Limit switch Electromechanical. Trimmer and dip switch control unit.
				-	DEIMOS BT A600 V SQ	Limit switch Electromechanical.
				-	DEIMOS ULTRA BT A600 V	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.
		120 V		-	DEIMOS BT A600 V 120	Limit switch Electromechanical. Trimmer and dip switch control unit.
370 kg	11 m/min		Semi intensive	-	DEIMOS AC A600 120 V	Limit switch Electromechanical. Trimmer and dip switch control unit.
		230 V		-	DEIMOS AC A600 V	Limit switch Electromechanical. Trimmer and dip switch control unit.
400 kg		120 V		-	DEIMOS AC A800 120 V SL DN	Limit switch Electromechanical. Trimmer and dip switch control unit.
		230 V		-	DEIMOS AC A800 V SL DN	Limit switch Electromechanical. Trimmer and dip switch control unit.
	12 m/min	24 V	intensive	-	DEIMOS BT A400	Limit switch Electromechanical. Trimmer and dip switch control unit.
				-	DEIMOS BT A400 SQ	Limit switch Electromechanical.
				•	DEIMOS BT KIT A400 FRA	Limit switch Electromechanical. Trimmer and dip switch control unit.
				-	DEIMOS ULTRA BT A400	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.
				•	DEIMOS ULTRA BT KIT A400 FRA	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.
		120 V		-	DEIMOS BT A400 120	Limit switch Electromechanical. Trimmer and dip switch control unit.
500 kg		24 V		-	ARES BT A1000 V	Limit switch Electromechanical. Trimmer and dip switch control unit.
		120 V		-	ARES ULTRA BT A1000 V 120	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.
	25 m/min	24 V		-	ARES VELOCE SMART BT A500	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol
				-	ARES VELOCE SMART BT A500 120V 60HZ	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol
				•	ARES VELOCE SMART BT KIT A500 INT	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol

Max. door/ gate weight	Gate panel speed	Motor voltage	Frequency of use	Kit	Model	Plus
600 kg	9 m/min	120 V	Semi intensive	-	DEIMOS AC A600 120	Limit switch Electromechanical. Trimmer and dip switch control unit.
		230 V		-	DEIMOS AC A600	Limit switch Electromechanical. Trimmer and dip switch control unit.
				-	DEIMOS AC A600 SQ	Limit switch Electromechanical.
				●	DEIMOS AC KIT A600 FRA	Limit switch Electromechanical. Trimmer and dip switch control unit.
	12 m/min	24 V	intensive	-	DEIMOS BT A600	Limit switch Electromechanical. Trimmer and dip switch control unit.
				-	DEIMOS BT A600 SQ	Limit switch Electromechanical.
				●	DEIMOS BT KIT A600 FRA	Limit switch Electromechanical. Trimmer and dip switch control unit.
				-	DEIMOS ULTRA BT A600	Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.
				●	DEIMOS ULTRA BT KIT A600 FRA	Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.
		120 V		-	DEIMOS BT A600 120	Limit switch Electromechanical. Trimmer and dip switch control unit.
750 kg		24 V		-	ARES BT A1500 V	Limit switch Electromechanical. Trimmer and dip switch control unit.
		120 V		-	ARES ULTRA BT A1500 V 120	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.
800 kg	9 m/min	230 V	Semi intensive	-	DEIMOS AC A800 120 SL DN	Limit switch Electromechanical. Trimmer and dip switch control unit.
				-	DEIMOS AC A800 SL DN	Limit switch Electromechanical. Trimmer and dip switch control unit.
				-	DEIMOS AC A800 SQ	Limit switch Electromechanical.
				●	DEIMOS AC KIT A800 FRA	Brake and clutch electronically managed. Limit switch Electromechanical
				●	DEIMOS AC KIT A800 INT SL DN	Brake and clutch electronically managed. Limit switch Electromechanical
1000 kg		24 V	intensive	-	ARES BT A1000	Limit switch Electromechanical. Trimmer and dip switch control unit.
				-	ARES BT A 1000 120	Limit switch Electromechanical. Trimmer and dip switch control unit. Unit power supply 120V.
				-	ARES ULTRA BT A1000	Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.
				●	ARES ULTRA BT KIT A1000 FRA	Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.
		120 V		-	ARES ULTRA BT A1000 120	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.
	12 m/min	120 V	very intensive	-	ICARO SMART AC A2000 V 120	Control unit preconfigured for communication with U-Link protocol and with tamper-proof function. Operator with encoder and torque control using D-Track technology.
		230 V		-	ICARO SMART AC A2000 V	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol
				-	ICARO SMART AC A2000 V SQ	Limit switch Electromechanical.
	18 m/min	24 V	intensive	-	ARES VELOCE SMART BT A1000	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol
	22 m/min	120 V	very intensive	-	ICARO VELOCE SMART AC A1000 120V 60HZ	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol.
	25 m/min	230 V		-	ICARO VELOCE SMART AC A1000	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol
1500 kg	9 m/min	24 V	intensive	-	ARES BT A1500	Limit switch Electromechanical. Trimmer and dip switch control unit.
				-	ARES BT A 1500 120	Limit switch Electromechanical. Trimmer and dip switch control unit. Unit power supply 120V.
				-	ARES ULTRA BT A1500	Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.
				-	ARES ULTRA BT A1500 120	U-Link and Magnetic limit switch
2000 kg		120 V	very intensive	-	ICARO SMART AC A2000 120	Limit switch Electromechanical. Control unit with display, preconfigured for communication with U-Link protocol.
		230 V		-	ICARO SMART AC A2000	Control unit with display, preconfigured for communication with U-Link protocol.
				-	ICARO SMART AC A2000 SQ	Limit switch Electromechanical.
				-	ICARO ULTRA AC A2000	Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.
	18 m/min			-	ICARO VELOCE SMART AC A2000	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol
3500 kg	10,5 m/min	400 V		-	SP3500 TRI 230	Control unit with display and U-Link communication protocol
	10 m/min			-	SP3500 TRI 400	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol
				-	SP3500 SF TRI 400	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol

Cp Code
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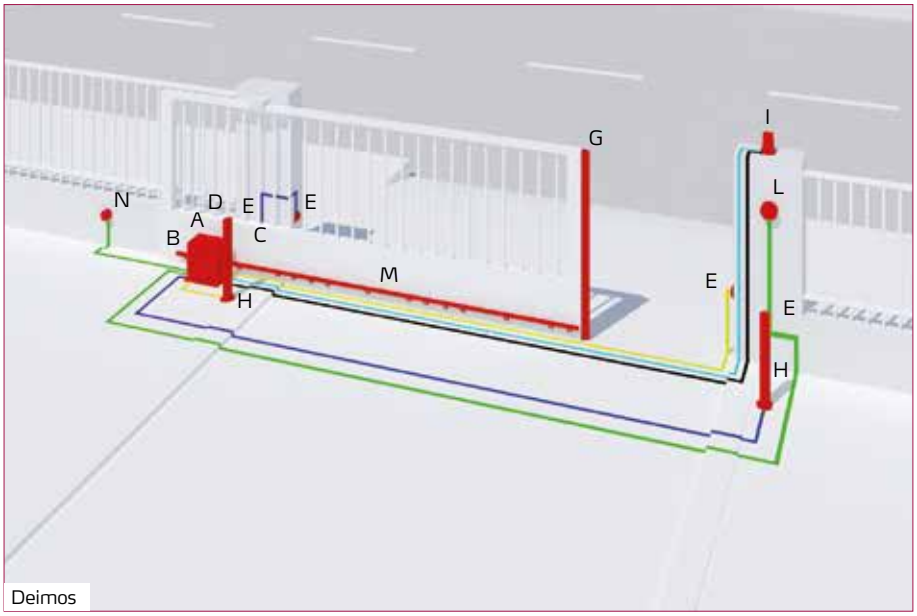
Installation guide



Deimos

A	Operator
B	Control unit
C	Backup Batteries
D	Receiver
E	Photocell
F	Photocell safety edge
G	Sensitive edge
H	Post
I	Blinker
L	Control system (key selector switch, keypad, badge reader)
M	Rack
O	Solar panel
	2x1,5
	3x1,5
	RG 58
	5x1
	2x1
	9x0,5

Control units sliding gates

	SHYRA AC	SHYRA-F-800SLDN	LEO B CBB SV	LEO B CBB SV 18D	LEO B CBB LO2	HAMAL 400	HAMAL 600	HAMAL ARES	MERAK 400	MERAK 600	MERAK BT A V	MERAK BT A 18D	MERAK ARES	SIRIO CBB 400V
OUTPUTS CONFIGURATION														
Maintenance			●	●	●				●	●	●	●	●	●
LOGICS														
Pulse blocking closing			●	●	●				●	●	●	●	●	●
Operation Photocell input	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Pedestrian opening			●	●	●	●	●	●	●	●	●	●	●	
Deadman			●	●	●				●	●	●	●	●	●
Quick closing	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Pulse blocking opening			●	●	●	●	●	●	●	●	●	●	●	●
Pulse blocking TCA			●	●	●				●	●	●	●	●	●
OUTPUTS CONFIGURATION														
Flashing + Maintenance			●	●	●				●	●	●	●	●	●
LOGICS														
Pulse blocking			●	●	●	●	●	●	●	●	●	●	●	●
OUTPUTS CONFIGURATION														
Zone light			●	●	●				●	●	●	●	●	●
LOGICS														
Pre-alarm			●	●	●				●	●	●	●	●	●
Check safety edge input	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Safefy edge/Resistive edge	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Photocell/Photocell closing			●	●	●	●	●	●	●	●	●	●	●	●
Check Photocell input	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Residential/Condominium	●	●	●	●	●	●	●	●						
OUTPUTS CONFIGURATION														
Electric magnetic lock			●	●	●				●	●	●	●	●	●
Courtesy light			●	●	●				●	●	●	●	●	●
Electric release lock			●	●	●				●	●	●	●	●	●
Gate open alarm			●	●	●				●	●	●	●	●	●
Stairs light			●	●	●				●	●	●	●	●	●
PARAMETERS														
Slowdown Speed														
Time to Clear Traffic Light Area	No	No	1-180 s	1-180 s	1-180 s	No	No	No	1-180 s	1-180 s	1-180 s	1-180 s	1-180 s	1-180s
Opening Speed														
Closing Speed														
Slowdown Space Closing	No	No	1-99%	1-99%	0-99%	1-50%	1-50%	1-50%	0-50%	0-50%	1-50%	1-50%	0-50%	No
Number of Movements Programming	No	No	●	●	●	No	No	No	●	●	●	●	●	0-250
Pedestrian opening	No	No	10-50%	10-50%	10-50%	30% CORSA TOT	30% CORSA TOT	30% CORSA TOT	10-99%	10-99%	10-99%	10-99%	10-99%	3-300s
Slowdown Space Opening	No	No	1-99%	1-99%	0-99%	1-50%	1-50%	1-50%	0-50%	0-50%	1-50%	1-50%	0-50%	No
work time	5-120 s	No	5-300 s	5-300 s	5-300 s	No	No	No	No	No	No	No	No	10-300s
Deceleration Space	No	No	No	No	No	No	No	No	0-50%	0-50%	No	No	0-50%	No
LOGICS														
2 steps			●	●	●				●	●	●	●	●	●
OUTPUTS CONFIGURATION														
Blinker	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PARAMETERS														
Automatic Closing Time (TCA)														
Leaf force slowdown	No	No	1-99%	1-99%	1-99%	No	No	No	1-99%	1-99%	1-99%	1-99%	1-99%	No
Leaf force	No	1-100%	1-99%	1-99%	1-99%	10-90%	10-90%	10-90%	1-99%	1-99%	1-99%	1-99%	1-99%	No

Control units sliding gates

	SHYRA AC	SHYRA-F-800SLDN	LEO B CBB SV	LEO B CBB SV 18D	LEO B CBB L02	HAMAL 400	HAMAL 600	HAMAL ARES	MERAK 400	MERAK 600	MERAK BT A V	MERAK BT A 18D	MERAK ARES	SIRIO CBB 400V
LOGICS														
4 steps	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Brake		●												
master/slave			●	●	●				●	●	●	●	●	●
3 steps			●	●	●	●	●	●	●	●	●	●	●	●
ICE feature									●	●	●	●	●	
Emergency deadman	No	No	●	●	●	No	No	No	●	●	●	●	●	●
CONFIGURATION OF SAFETY INPUTS														
Light sensor	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CLAMPS														
Antenna	●	●	●	●	●	●	●	●			●	●		●
External programming			●	●	●				●	●	●	●	●	●
ADVANCED FEATURES														
Separate limit switch inputs	No	No	Gruppo finecorsa	Gruppo finecorsa	Gruppo finecorsa	No	No	No	Gruppo finecorsa	Gruppo finecorsa	Gruppo finecorsa	Gruppo finecorsa	Gruppo finecorsa	●
Electronic torque adjustment		●	●	●	●	●	●	●	●	●	●	●	●	
BASIC CHARACTERISTIS														
eelink			●	●	●				●	●	●	●	●	
Programming	DIP+TRIMMER	DIP+TRIMMER	DISPLAY	DISPLAY	DISPLAY	DIP+TRIMMER	DIP+TRIMMER	DIP+TRIMMER	DISPLAY	DISPLAY	DISPLAY	DISPLAY	DISPLAY	DISPLAY
Connectivity			●	●	●				●	●	●	●	●	●
CONFIGURATION OF SAFETY INPUTS														
Safety edge	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ADVANCED FEATURES														
Obstacle detection			●	●	●	●	●	●	●	●	●	●	●	
Separate safety inputs	●	●	●	●	●	●	●	●	●	●	●	●	●	●
BASIC CHARACTERISTIS														
Power supply accessories	24V - 0,2A	24V - 0,2A	24V - 1A	24V - 1A	24V - 1A	24V - 0,5A	24V - 0,5A	24V - 0,5A	24V - 0,5A	24V - 0,5A	24V - 0,5A	24V - 0,5A	24V - 0,5A	24V - 0,5A
Password			●	●	●				●	●	●	●	●	●
Maximum output	500 W	500 W	750 W	750 W	750 W	50 (400) 70 (600) W	50 (400) 70 (600) W	50 (400) 70 (600) W	50 (400) 70 (600) W	50 (400) 70 (600) W	400 W	400 W	50 (400) 70 (600) W	550 W
Autoset	●	●	●	●	●	●	●	●	●	●	●	●	●	
Board power supply	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	380-400 V
erready	●	●	●	●	●	●	●	●	●	●	●	●	●	
Max. n. transmitters	63	63	63	63	63	63	63	63	63	63	63	63	63	
CONFIGURATION OF SAFETY INPUTS														
Tested photocell	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CONFIGURATION OF CONTROL INPUTS														
Pedestrian open with timer			●	●	●				●	●	●	●	●	●
OUTPUTS CONFIGURATION														
Gate open warning light			●	●	●				●	●	●	●	●	●
OUTPUTS														
Blinker	230V - 40W	230V - 40W	230V - 40W	230V - 40W	230V - 40W	24V - 1A	24V - 1A	24V - 1A	24V - 1A	24V - 1A	24V - 1A	24V - 1A	24V - 1A	No
Configurable AUX 3	No	No	24V - 0,5A	24V - 0,5A	24V - 0,5A	No	No	No	24V - 1A	24V - 1A	24V - 1A	24V - 1A	24V - 1A	24V - 0,5A
CONFIGURATION OF CONTROL INPUTS														
Open with timer			●	●	●				●	●	●	●	●	●
Pedestrian open			●	●	●				●	●	●	●	●	●
LIMIT SWITCH FOR INPUTS														
Limit switch for closing	●	●	●	●	●	●	●	●			●	●		●
Limit switch for opening	●	●	●	●	●	●	●	●			●	●		●
CONFIGURATION OF CONTROL INPUTS														
Close			●	●	●				●	●	●	●	●	●
Open	●	●	●	●	●	●	●	●	●	●	●	●	●	●
BASIC CHARACTERISTIS														
Motors	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CONFIGURATION OF CONTROL INPUTS														
Traffic light control			●	●	●				●	●	●	●	●	●
Start	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CLAMPS														
Optional card			●	●	●				●	●	●	●	●	●
CONFIGURATION OF SAFETY INPUTS														
Resistive edge	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tested safety edge	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Stop	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CLAMPS														
Alarm			●	●	●				●	●	●	●	●	
DIAGNOSTICS														
Error diagnostics	LED	LED	DISPLAY	DISPLAY	DISPLAY	LED	LED	LED	DISPLAY	DISPLAY	DISPLAY	DISPLAY	DISPLAY	DISPLAY

Cp **Code**

Ci **International code**

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Phase-out

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DEIMOS BT A

HOME

d-track

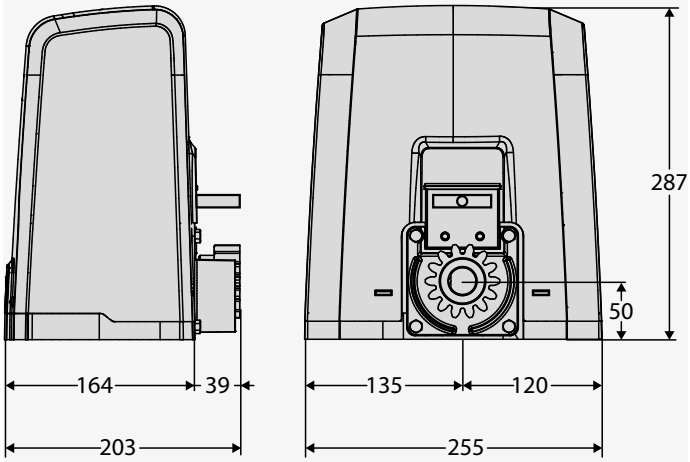
er ready

ee link

24 V

24 V operator for sliding gates weighing up to 600 kg, for intensive use.
Maximum panel speed up to 16m/min.
Torque control thanks to D-Track technology. Electromechanical limit switch. Control unit with trimmer and dip-switch.
Residential use.

DIMENSIONS (mm)



TECHNICAL FEATURES

	DEIMOS BT A400	DEIMOS BT A400 V	DEIMOS BT A400 SQ	DEIMOS BT A400 V SQ
Control unit	HAMAL	HAMAL		
Board power supply	230 V	230 V	230 V	230 V
Motor voltage	24 V	24 V	24 V	24 V
Power consumption	50 W	50 W	50 W	50 W
Max. door/gate weight	400 kg	300 kg	400 kg	300 kg
Gate panel speed	12 m/min	16 m/min	12 m/min	16 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4	4
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	D-Track	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive	intensive
Protection rating	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

	DEIMOS BT A400 120	DEIMOS BT A400 V 120	DEIMOS BT A600	DEIMOS BT A600 V
Control unit	HAMAL	HAMAL	HAMAL	HAMAL
Board power supply	120 V	120 V	230 V	230 V
Motor voltage	120 V	120 V	24 V	24 V
Power consumption	50 W	50 W	70 W	70 W
Max. door/gate weight	400 kg	300 kg	600 kg	360 kg
Gate panel speed	12 m/min	16 m/min	12 m/min	16 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4	4
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	D-Track	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive	intensive
Protection rating	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

	DEIMOS BT A600 SQ	DEIMOS BT A600 V SQ	DEIMOS BT A600 120	DEIMOS BT A600 V 120
Control unit			HAMAL	HAMAL
Board power supply	230 V	230 V	120 V	120 V
Motor voltage	24 V	24 V	120 V	120 V
Power consumption	70 W	70 W	70 W	70 W
Max. door/gate weight	600 kg	360 kg	600 kg	360 kg
Gate panel speed	12 m/min	16 m/min	12 m/min	16 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4	4
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	D-Track	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive	intensive
Protection rating	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

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Code	International code	Name		Description
P925222 00002	**2611583**	DEIMOS BT A400		Operator 24 V for sliding gates up to 400 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925222 00003	**2611584**	DEIMOS BT A400 V		Operator 24 V for sliding gates up to 300 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925222 00005	**2612715**	DEIMOS BT A400 SQ		Operator 24 V for sliding gates up to 400 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical.
P925222 00006	**2616240**	DEIMOS BT A400 V SQ		Operator 24 V for sliding gates up to 300 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical.
P925222 00001	**2611582**	DEIMOS BT A400 120		Operator 120 V for sliding gates up to 400 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925222 00004	**2612714**	DEIMOS BT A400 V 120		Operator 120 V for sliding gates up to 300 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925224 00002	**2611589**	DEIMOS BT A600		Operator 24 V for sliding gates up to 600 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925224 00003	**2611590**	DEIMOS BT A600 V		Operator 24 V for sliding gates up to 360 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925224 00005	**2612717**	DEIMOS BT A600 SQ		Operator 24 V for sliding gates up to 600 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical.
P925224 00006	**2616241**	DEIMOS BT A600 V SQ		Operator 24 V for sliding gates up to 360 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical.
P925224 00001	**2611588**	DEIMOS BT A600 120		Operator 120 V for sliding gates up to 600 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925224 00004	**2611591**	DEIMOS BT A600 V 120		Operator 120 V for sliding gates up to 360 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
R925271 00002	**2611825**	DEIMOS BT KIT A600 FRA		Complete kit 24 V for sliding gates weighing up to 600 kg. Leaf speed 12 m/min. Limit switch Electromechanical.
R925267 00002	**2611820**	DEIMOS BT KIT A400 FRA		Complete kit 24 V for sliding gates weighing up to 400 kg. Leaf speed 12 m/min. Limit switch Electromechanical.

HAMAL 400: Control panel with trimmer and dip switch for one operator, 230V - 70W

HAMAL 400 - Cp I700008 10001 - Ci 2610700 - Built-in - (Spare part code, available for order through the Technical Support network)

- Control panel with trimmer and dip switch for one operator, 230V - 70W
- Application: built-in control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 24V 80W
- Main features: removable terminal blocks with new standard colour-coding, dip-switch programming and potentiometers, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Principal functions: automatic closing, pedestrian opening with remote control only, 8k2 obstruction sensor input, rapid closure

HAMAL 600: Control panel with trimmer and dip switch for one operator, 230V - 70W

HAMAL 600 - Cp I700009 10001 - Ci 2610702 - Built-in - (Spare part code, available for order through the Technical Support network)

- Control panel with trimmer and dip switch for one operator, 230V - 70W
- Application: built-in control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 24V 80W
- Main features: removable terminal blocks with new standard colour-coding, dip-switch programming and potentiometers, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Principal functions: automatic closing, pedestrian opening with remote control only, 8k2 obstruction sensor input, rapid closure

RECOMMENDED ACCESSORIES

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp D221073 - **Ci** 2600594
CP

plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots attachment Max. load capacity 600 kg.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P125035 - **Ci** 2600845
SL BAT2

Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp D571053 - **Ci** 9011069
CVZ

steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 1000 kg.

Cp N999320 - **Ci** 2611083
CVZ-S

steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 800 kg.

Cp N999151 - **Ci** 2611076
SFD

Base plate for DEIMOS series (supplied with operator)

DEIMOS ULTRA BT A

HOME

ee link

24 V

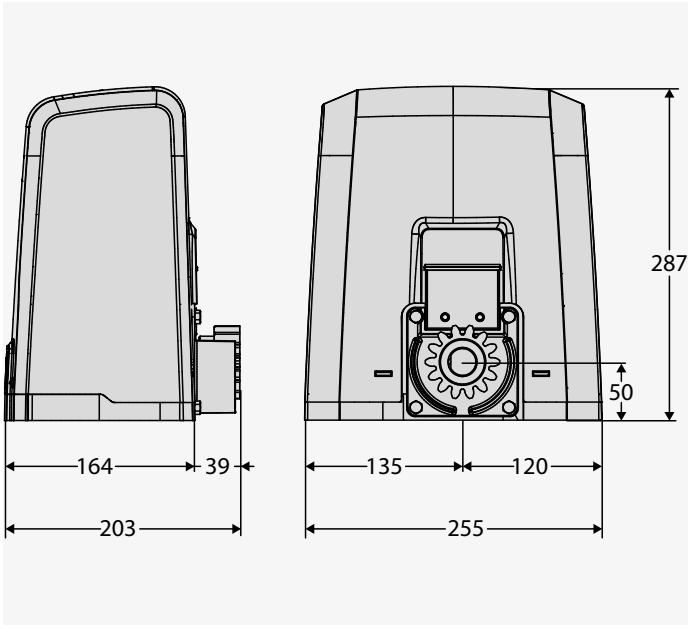
er ready

d-track

U-Link

24 V operator for sliding gates weighing up to 600 kg, for intensive use.
Maximum panel speed up to 16m/min.
Torque control thanks to D-Track technology. Magnetic limit switches for quicker installation, more precise and better integrated with the architecture of site. Control unit with display, preconfigured for communication with U-Link protocol.
Residential use.

DIMENSIONS (mm)



TECHNICAL FEATURES

	DEIMOS ULTRA BT A400	DEIMOS ULTRA BT A400 V	DEIMOS ULTRA BT A600	DEIMOS ULTRA BT A600 V
Control unit	MERAK SL1	MERAK SL1	MERAK SL2	MERAK SL2
Board power supply	230 V	230 V	230 V	230 V
Motor voltage	24 V	24 V	24 V	24 V
Power consumption	50 W	50 W	70 W	70 W
Max. door/gate weight	400 kg	300 kg	600 kg	360 kg
Gate panel speed	12 m/min	16 m/min	12 m/min	16 m/min
Type of limit switch	Magnetic	Magnetic	Magnetic	Magnetic
Pinion module	4	4	4	4
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	D-Track	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive	intensive
Protection rating	IP44	IP44	IP44	IP44
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description	
P925221 00002	2611580	DEIMOS ULTRA BT A400		Operator 24 V for sliding gates up to 400 kg in weight. Leaf speed 12 m/min. Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link
P925221 00003	2611581	DEIMOS ULTRA BT A400 V		Operator 24 V for sliding gates up to 300 kg in weight. Leaf speed 16 m/min. Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link
P925223 00002	2600852	DEIMOS ULTRA BT A600		Operator 24 V for sliding gates up to 600 kg in weight. Leaf speed 12 m/min. Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link
P925223 00003	2601022	DEIMOS ULTRA BT A600 V		Operator 24 V for sliding gates up to 360 kg in weight. Leaf speed 16 m/min. Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link
R925265 00002	2611817	DEIMOS ULTRA BT KIT A400 FRA		Complete kit 24 V for sliding gates weighing up to 400 kg. Leaf speed 12 m/min. U-Link and Magnetic limit switch	U-Link
R925269 00002	2600881	DEIMOS ULTRA BT KIT A600 FRA		Complete kit 24 V for sliding gates weighing up to 600 kg. Leaf speed 12 m/min. U-Link and Magnetic limit switch	U-Link

MERAK 400: Incorporated control unit for one 24V operator for sliding gates

MERAK 400 - Cp I700005 10001 - Ci 2610699 - Built-in - (Spare part code, available for order through the Technical Support network)

- Incorporated control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 24V 80W
- Main functions;: automatic closing, quick closing, pedestrian passage, people-present operation, maintenance warnings.
- Compatibility: HQSC-D, QSC-D MA
- Principal features: removable terminal boards with new colour standard, simplified scenario programming with display, integrated dual channel receiver, protection against crushing based on D-Track system, slowdown during opening and closing

MERAK 600: Incorporated control unit for one 24V operator for sliding gates

MERAK 600 - Cp I700006 10001 - Ci 2600760 - Built-in - (Spare part code, available for order through the Technical Support network)

- Incorporated control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 24V 80W
- Main functions;: automatic closing, quick closing, pedestrian passage, people-present operation, maintenance warnings.
- Compatibility: HQSC-D, QSC-D MA
- Principal features: removable terminal boards with new colour standard, simplified scenario programming with display, integrated dual channel receiver, protection against crushing based on D-Track system, slowdown during opening and closing

RECOMMENDED ACCESSORIES

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp D571053 - **Ci** 9011069
CVZ

steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 1000 kg.

Cp N999320 - **Ci** 2611083
CVZ-S

steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 800 kg.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P111468 - **Ci** 2600811
B EBA RS 485 LINK

Expansion board for connection of central units with serial controls management

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp D221073 - **Ci** 2600594
CP

plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots attachment Max. load capacity 600 kg.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp N999151 - **Ci** 2611076
SFD

Base plate for DEIMOS series (supplied with operator)

Cp P125035 - **Ci** 2600845
SL BAT2

Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

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release systems P. 292

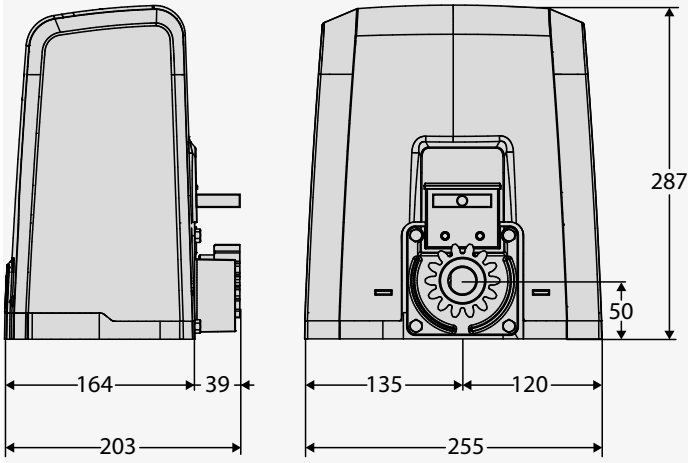
DEIMOS AC A

HOME

er ready

230 V operator for sliding gates weighing up to 800 kg, for semi-intensive use. Maximum panel speed up to 11m/min.
Electromechanical limit switch. Control unit with trimmer and dip-switch.
Residential use.

DIMENSIONS (mm)



TECHNICAL FEATURES

	DEIMOS AC A600	DEIMOS AC A600 SQ	DEIMOS AC A600 V	DEIMOS AC A600 120
Control unit	SHYRA AC	Not present	SHYRA AC	SHYRA AC
Board power supply	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	230 V	120 V
Power consumption	400 W	400 W	400 W	400 W
Max. door/gate weight	600 kg	600 kg	370 kg	600 kg
Gate panel speed	9 m/min	9 m/min	11 m/min	9 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4	4
Slowdown	no	no	no	no
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	Mechanical clutch	Mechanical clutch	Mechanical clutch	Mechanical clutch
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Protection rating	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

	DEIMOS AC A600 120 V	DEIMOS AC A800 SL DN	DEIMOS AC A800 SQ	DEIMOS AC A800 V SL DN
Control unit	SHYRA AC	SHYRA-F-800SLDN	Not present	SHYRA-F-800SLDN
Board power supply	230 V	230 V	230 V	230 V
Motor voltage	120 V	230 V	230 V	230 V
Power consumption	400 W	300 W	400 W	300 W
Max. door/gate weight	370 kg	800 kg	800 kg	400 kg
Gate panel speed	11 m/min	9 m/min	9 m/min	11 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4	4
Slowdown	no	Yes	no	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	Mechanical clutch	Electronic clutch	Electronic clutch	Electronic clutch
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Protection rating	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

	DEIMOS AC A800 120 SL DN	DEIMOS AC A800 120 V SL DN
Control unit	SHYRA-F-800SLDN	SHYRA-F-800SLDN
Board power supply	230 V	230 V
Motor voltage	120 V	120 V
Power consumption	300 W	300 W
Max. door/gate weight	800 kg	400 kg
Gate panel speed	9 m/min	11 m/min
Type of limit switch	Electromechanical	Electromechanical
Pinion module	4	4
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	Electronic clutch	Electronic clutch
Frequency of use	Semi intensive	Semi intensive
Protection rating	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description
P925230 00002	2611600	DEIMOS AC A600		Operator 230 V for sliding gates up to 600 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925230 00005	2611602	DEIMOS AC A600 SQ		Operator 230 V for sliding gates up to 600 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical.
P925230 00003	2611601	DEIMOS AC A600 V		Operator 230 V for sliding gates up to 370 kg in weight. Leaf speed 11 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925230 00001	2611599	DEIMOS AC A600 120		Operator 120 V for sliding gates up to 600 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925230 00004	2612719	DEIMOS AC A600 120 V		Operator 120 V for sliding gates up to 370 kg in weight. Leaf speed 11 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925253 00002	2601006	DEIMOS AC A800 SL DN		Operator 230 V for sliding gates up to 800 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925231 00005	2611608	DEIMOS AC A800 SQ		Operator 230 V for sliding gates up to 800 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical.
P925253 00003	2611631	DEIMOS AC A800 V SL DN		Operator 230 V for sliding gates up to 400 kg in weight. Leaf speed 11 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925253 00001	2611630	DEIMOS AC A800 120 SL DN		Operator 120 V for sliding gates up to 800 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925253 00004	2613177	DEIMOS AC A800 120 V SL DN		Operator 120 V for sliding gates up to 400 kg in weight. Leaf speed 11 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
R925281 00002	2611830	DEIMOS AC KIT A600 FRA		Complete kit 230 V for sliding gates weighing up to 600 kg. Leaf speed 9 m/min.
R925283 00002	2611832	DEIMOS AC KIT A800 FRA		Complete kit 230 V for sliding gates weighing up to 800 kg. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
R925332 00002	2611867	DEIMOS AC KIT A800 INT SL DN		Complete kit 230 V for sliding gates weighing up to 800 kg. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

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access control P. 282
set of batteries for control units P. 282
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SHYRA AC: SHYRA AC control panel

SHYRA AC - Cp I700044 10001 - Ci 2610718 - Built-in - (Spare part code, available for order through the Technical Support network)

- Main features: removable terminal blocks, settings controlled by potentiometers, LED-based fault reporting and incorporated dual channel receiver, two safety verified inputs, one of wich dedicated to 8k2 safety edge.
- Control panel for DEIMOS AC A800 sliding gate operator range.
- Panel power supply: 230 V, single-phase
- Operator power supply: 230 V single-phase, max. 500 W
- Main functions: pedestrian opening (only by remote control), quick closing, pulse blocking

SHYRA-F-800SLDN: SHYRA-F AC control panel

SHYRA-F-800SLDN - Cp I700081 10001 - Ci 2610736 - Built-in - (Spare part code, available for order through the Technical Support network)

- Control panel for DEIMOS AC A600 range of sliding operators
- Main features: removable terminal blocks, settings controlled by potentiometers, LED-based fault reporting and incorporated dual channel receiver, electronic clutch management via trimmer, two verified safety inputs, one of wich dedicated to 8k2 safety edge.
- Panel power supply: 230 V, single-phase
- Operator power supply: 230 V single-phase, max. 500 W
- Main functions: pedestrian opening (only by remote control), quick closing, pulse blocking

RECOMMENDED ACCESSORIES

Cp D221073 - **Ci** 2600594
CP

plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots attachment Max. load capacity 600 kg.

Cp N999320 - **Ci** 2611083
CVZ-S

steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 800 kg.

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp D571053 - **Ci** 9011069
CVZ

steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 1000 kg.

Cp N999151 - **Ci** 2611076
SFD

Base plate for DEIMOS series (supplied with operator)

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

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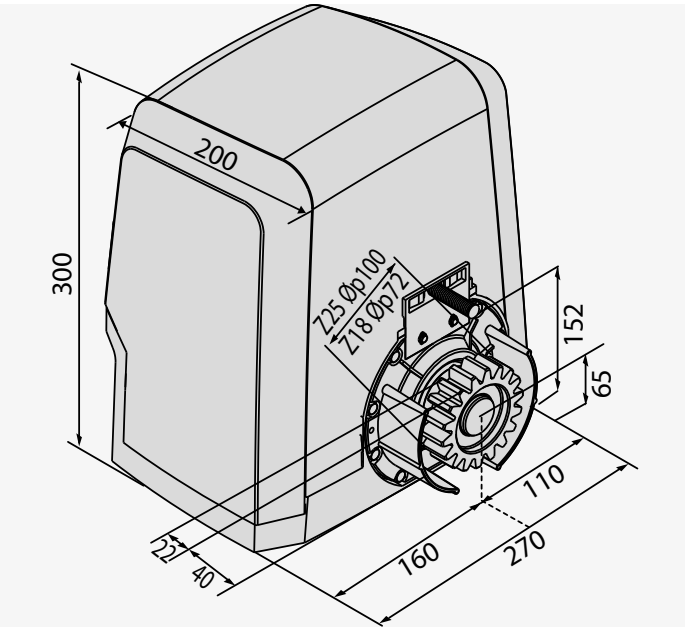
ARES VELOCE SMART BT A

HOME
BUILDING
24 V
er ready
d-track
ee link
U-Link

Fast-action 24V operator for intensive use for sliding gates weighing up to 500kg and speed without load 25 m/min, or up to 1,000kg and speed without load 18 m/min. The maximum speed actually achievable by the gate panel depends on the condition of the gate. Operator fitted with electromechanical limit switch. Torque control thanks to D-Track technology. The control unit is set up for communication via the U-Link protocol. The ideal solution for situations which require fast operating speeds, reduced waiting times and high levels of security.

DIMENSIONS (mm)



TECHNICAL FEATURES

	ARES VELOCE SMART BT A500	ARES VELOCE SMART BT A500 120V 60HZ	ARES VELOCE SMART BT A1000
Control unit	MERAK BT A V	MERAK BT A V	MERAK BT A 18D
Frequency of use	intensive	intensive	intensive
Board power supply	230 V	120 V	230 V
Protection rating	IP24	IP24	IP24
Motor voltage	24 V	24 V	24 V
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C
Power consumption	400 W	400 W	400 W
Pinion module	4 mm (25 teeth)	4 mm (25 teeth)	4 mm (18 teeth)
Speed with resistance force of 80N	22 m/min	22 m/min	15 m/min
Max. door/gate weight	500 kg	500 kg	1000 kg
Max torque	20 Nm	20 Nm	20 Nm
Slowdown	Yes	Yes	Yes
Impact reaction	8K2 safety edge (not supplied)	8K2 safety edge (not supplied)	8K2 safety edge (not supplied)
Locking	Mechanical	Mechanical	Mechanical
Manual cycle	Mechanical release with lever	Mechanical release with lever	Mechanical release with lever

Code	International code	Name		Description	
P926198 00002	2601414	ARES VELOCE SMART BT A500		24 V operator for sliding gates weighing up to 500 kg. Speed without load 25 m/min. Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol	U-Link
P926198 00001	2604044	ARES VELOCE SMART BT A500 120V 60HZ		24 V operator for sliding gates weighing up to 500 kg. Speed without load 25 m/min. Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol	U-Link
P926199 00002	2613180	ARES VELOCE SMART BT A1000		24 V operator for sliding gates weighing up to 1000 kg. Speed without load 18 m/min. Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol	U-Link
R925342 00001	2601415	ARES VELOCE SMART BT KIT A500 INT		Complete kit 24 V for sliding gates weighing up to 500 kg. Speed without load 25 m/min.	U-Link

MERAK BT A V: Specific integrated control unit for ARES SMART BT A for a 24V operator.

MERAK BT A V - Cp I700096 10001 - Ci 2601476 - Built-in - (Spare parts code for ARES VELOCE SMART BT A500 which are available for order via the Technical Support network)

- Specific integrated control unit for ARES SMART BT A for a 24V operator.
- Main functions;: automatic closing, quick closing, pedestrian passage, people-present operation, maintenance warnings.
- Key properties: removable terminal block, colour-coded, simplified programming of scenarios with display, integrated two-channel receiver, slowdown during opening and closing.

MERAK BT A 18D: Specific integrated control unit for ARES SMART BT A for a 24V operator.

MERAK BT A 18D - Cp I700128 10001 - Ci 2613935 - Built-in - (Spare parts code for ARES VELOCE SMART BT A1000 which are available for order via the Technical Support network)

- Specific integrated control unit for ARES SMART BT A for a 24V operator.
- Main functions;: automatic closing, quick closing, pedestrian passage, people-present operation, maintenance warnings.
- Key properties: removable terminal block, colour-coded, simplified programming of scenarios with display, integrated two-channel receiver, slowdown during opening and closing.

RECOMMENDED ACCESSORIES

Cp D571054 - Ci 2608387
CFZ

galvanized steel rack, 4-module, cross-section 22 x 22 mm, length 2 m, welding attachment Max. load capacity 2000 kg.

Cp N999156 - Ci 2611078
SFI

Base plate for ARES and ICARO (supplied with operator)

Cp P125018 - Ci 2600843
THEKE B PRA 01

Metal protection box for ARES and ICARO series sliding operators

Cp P111468 - Ci 2600811
B EBA RS 485 LINK

Expansion board for connection of central units with serial controls management

Cp P125035 - Ci 2600845
SL BAT2

Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.

Cp R920110 - Ci 2611808
EDGE XL-CP99A36/CA/2000/8K/5 BFT

Kit for 8k2 resistive safety edges, length 2 metres, with 99 mm-high EPDM rubber strip, aluminium section, 2 contact terminals, 2 caps, 1 x 8.2 kOhm resistance connector and connection cable.

new Cp R920111 - Ci 2611809
KIT WIRELSSBAND 2.R

Wireless transmission system for resistive safety edges comprising transmitter and receiver.

new Cp P125050 - Ci 2611437
TX WIRELESSBAND 2.R

Wireless transmitter for resistive safety edges.

Cp D114093 00003 - Ci 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - Ci 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp D114094 00003 - Ci 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp P111782 - Ci 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new Cp D112306 - Ci 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new Cp D112318 - Ci 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

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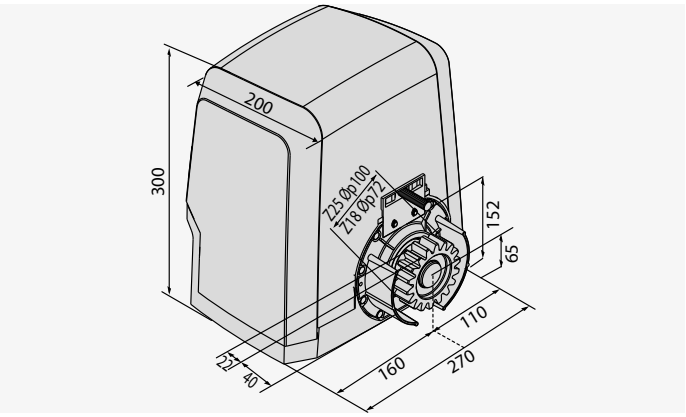
ARES BT A

24 V
ee link
er ready
d-track

24 V operator for sliding gates weighing up to 1,500 kg, for intensive use. Maximum panel speed up to 12m/min.
Torque control thanks to D-Track technology. Electromechanical limit switch. Control unit with trimmer and dip-switch.
Residential and commercial use.

DIMENSIONS (mm)



TECHNICAL FEATURES

	ARES BT A1000	ARES BT A 1000 120	ARES BT A1500
Control unit	HAMAL	HAMAL	HAMAL
Board power supply	230 V	120 V	230 V
Motor voltage	24 V	24 V	24 V
Power consumption	240 W	240 W	400 W
Max. door/gate weight	1000 kg	1000 kg	1500 kg
Gate panel speed	9 m/min	9 m/min	9 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4
Slowdown	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical
Release	Knob operated with personal key	Knob operated with personal key	Knob operated with personal key
Impact reaction	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive
Protection rating	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

	ARES BT A 1500 120	ARES BT A1000 V	ARES BT A1500 V
Control unit	HAMAL	HAMAL	HAMAL
Board power supply	120 V	230 V	230 V
Motor voltage	24 V	24 V	24 V
Power consumption	400 W	240 W	400 W
Max. door/gate weight	1500 kg	500 kg	750 kg
Gate panel speed	9 m/min	12 m/min	12 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4
Slowdown	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical
Release	Knob operated with personal key	Knob operated with personal key	Knob operated with personal key
Impact reaction	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive
Protection rating	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description
P926189 00002	**2600856**	**ARES BT A1000**		Operator 24 V for sliding gates up to 1000 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P926189 00001	**2611655**	**ARES BT A 1000 120**		Operator 24 V for sliding gates up to 1000 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit. Unit power supply 120V.
P926187 00002	**2611652**	**ARES BT A1500**		Operator 24 V for sliding gates up to 1500 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P926187 00001	**2611651**	**ARES BT A 1500 120**		Operator 24 V for sliding gates up to 1500 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit. Unit power supply 120V.
P926190 00002	**2611657**	**ARES BT A1000 V**		Operator 24 V for sliding gates up to 500 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P926188 00002	**2611654**	**ARES BT A1500 V**		Operator 24 V for sliding gates up to 750 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.

HAMAL ARES: Control panel with trimmer and dip switch for one operator, 230V - 70W

HAMAL ARES - Cp I700034 10001 - Ci 2610708 - Built-in - (Spare part code, available for order through the Technical Support network)

- Control panel with trimmer and dip switch for one operator, 230V - 70W
- Application: built-in control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 24V 80W
- Main features: removable terminal blocks with new standard colour-coding, dip-switch programming and potentiometers, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Principal functions: automatic closing, pedestrian opening with remote control only, 8k2 obstruction sensor input, rapid closure

RECOMMENDED ACCESSORIES

Cp D221073 - **Ci** 2600594
CP

plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots attachment Max. load capacity 600 kg.

Cp N999320 - **Ci** 2611083
CVZ-S

steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 800 kg.

Cp D571053 - **Ci** 9011069
CVZ

steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 1000 kg.

Cp D571054 - **Ci** 2608387
CFZ

galvanized steel rack, 4-module, cross-section 22 x 22 mm, length 2 m, welding attachment Max. load capacity 2000 kg.

Cp N999156 - **Ci** 2611078
SFI

Base plate for ARES and ICARO (supplied with operator)

Cp P125035 - **Ci** 2600845
SL BAT2

Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.

Cp P125018 - **Ci** 2600843
THEKE B PRA 01

Metal protection box for ARES and ICARO series sliding operators

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

ARES ULTRA BT A

BUILDING ACCESS AUTOMATION

24 V

ee link

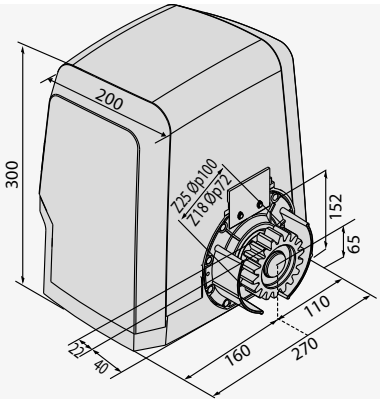
U-Link

d-track

er ready

24 V operator for sliding gates weighing up to 1,500 kg, for intensive use. Maximum panel speed up to 12m/min.
Torque control thanks to D-Track technology. Magnetic limit switches for quicker installation, more precise and better integrated with the architecture of site. Control unit with display, preconfigured for communication with U-Link protocol.
Residential and commercial use.

DIMENSIONS (mm)



TECHNICAL FEATURES

	ARES ULTRA BT A1000	ARES ULTRA BT A1000 120	ARES ULTRA BT A1000 V 120
Control unit	MERAK ARES	MERAK	MERAK
Board power supply	230 V	120 V	230 V
Motor voltage	24 V	120 V	120 V
Power consumption	240 W	240 W	240 W
Max. door/gate weight	1000 kg	1000 kg	500 kg
Gate panel speed	9 m/min	9 m/min	12 m/min
Type of limit switch	Magnetic	Magnetic	Magnetic
Pinion module	4	4	4
Slowdown	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive
Protection rating	IP44	IP44	IP44
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

	ARES ULTRA BT A1500	ARES ULTRA BT A1500 120	ARES ULTRA BT A1500 V 120
Control unit	MERAK ARES	MERAK	MERAK
Board power supply	230 V	120 V	120 V
Motor voltage	24 V	120 V	120 V
Power consumption	400 W	400 W	400 W
Max. door/gate weight	1500 kg	1500 kg	750 kg
Gate panel speed	9 m/min	9 m/min	12 m/min
Type of limit switch	Magnetic	Magnetic	Magnetic
Pinion module	4	4	4
Slowdown	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive
Protection rating	IP44	IP44	IP44
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description	
P926193 00002	**2600857**	**ARES ULTRA BT A1000**		Operator 24 V for sliding gates up to 1000 kg in weight. Leaf speed 9 m/min. Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link
P926193 00001	**2611663**	**ARES ULTRA BT A1000 120**		Operator 120 V for sliding gates up to 1000 kg in weight. Leaf speed 9 m/min. Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link
P926194 00001	**2612731**	**ARES ULTRA BT A1000 V 120**		Operator 120 V for sliding gates up to 500 kg in weight. Leaf speed 12 m/min. Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link
P926191 00002	**2600502**	**ARES ULTRA BT A1500**		Operator 24 V for sliding gates up to 1500 kg in weight. Leaf speed 9 m/min. Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link
P926191 00001	**2611658**	**ARES ULTRA BT A1500 120**		Operator 120 V for sliding gates up to 1500 kg in weight. Leaf speed 9 m/min. U-Link and Magnetic limit switch	U-Link
P926192 00001	**2611661**	**ARES ULTRA BT A1500 V 120**		Operator 120 V for sliding gates up to 750 kg in weight. Leaf speed 12 m/min. Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link
R925295 00001	**2611842**	**ARES ULTRA BT KIT A1000 FRA**		Complete kit 24 V for sliding gates weighing up to 1000 kg. Leaf speed 9 m/min. everything necessary for a standard installation	U-Link

MERAK ARES: Incorporated control unit for one 24V operator for sliding gates

MERAK ARES - Cp I700032 10001 - Ci 2600762 - Built-in - (Spare part code, available for order through the Technical Support network)

- Incorporated control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 24V 80W
- Main functions;: automatic closing, quick closing, pedestrian passage, people-present operation, maintenance warnings.
- Compatibility: HQSC-D, QSC-D MA
- Principal features: removable terminal boards with new colour standard, simplified scenario programming with display, integrated dual channel receiver, protection against crushing based on D-Track system, slowdown during opening and closing

RECOMMENDED ACCESSORIES

Cp D221073 - **Ci** 2600594
CP

plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots attachment Max. load capacity 600 kg.

Cp N999320 - **Ci** 2611083
CVZ-S

steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 800 kg.

Cp D571053 - **Ci** 9011069
CVZ

steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 1000 kg.

Cp D571054 - **Ci** 2608387
CFZ

galvanized steel rack, 4-module, cross-section 22 x 22 mm, length 2 m, welding attachment Max. load capacity 2000 kg.

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P111468 - **Ci** 2600811
B EBA RS 485 LINK

Expansion board for connection of central units with serial controls management

Cp P125035 - **Ci** 2600845
SL BAT2

Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.

Cp P125018 - **Ci** 2600843
THEKE B PRA 01

Metal protection box for ARES and ICARO series sliding operators

Cp N999156 - **Ci** 2611078
SFI

Base plate for ARES and ICARO (supplied with operator)

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

ICARO VELOCE SMART AC A

BUILDING ACCESS AUTOMATION

Encoder

Oil Gear

U-Link

rolling code

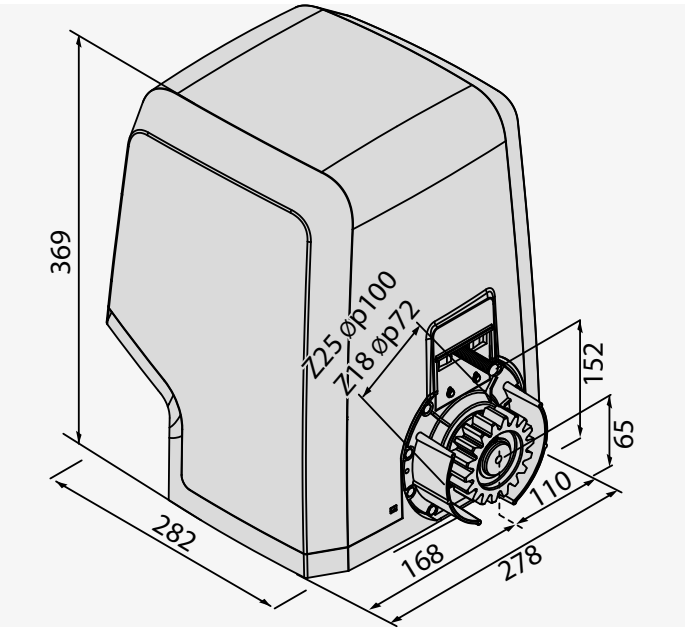
d-track

er ready

ee link

Fast 230V operators for sliding gates for very intensive use, extremely robust and high-performance thanks to oil bath transmission. Suitable for sliding gates weighing up to 1,000kg and speed without load 25 m/min or up to 2,000 kg and speed without load 18 m/min. The maximum speed actually achievable by the gate panel depends on the condition of the gate. Operator fitted with electromechanical limit switch. Torque control thanks to D-Track technology and encoder for the highest possible precision of movement. Control unit for communication with U-Link protocol and with tamper-proof function. The ideal solution for situations which require fast operating speeds, reduced waiting times and high levels of security.

DIMENSIONS (mm)



TECHNICAL FEATURES

	ICARO VELOCE SMART AC A1000	ICARO VELOCE SMART AC A1000 120V 60HZ	ICARO VELOCE SMART AC A2000
Control unit	LEO B CBB SV	LEO B CBB SV	LEO B CBB SV 18D
Board power supply	230 V	120 V	230 V
Motor voltage	230 V	120 V	230 V
Power consumption	750 W	750 W	750 W
Pinion module	4 mm (25 teeth)	4 mm (18 teeth)	4 mm (18 teeth)
Gate panel speed	25 m/min	22 m/min	18 m/min
Max. door/gate weight	1000 kg	1000 kg	2000 kg
Max torque	40 Nm	40 Nm	40 Nm
Slowdown	Yes	Yes	Yes
Impact reaction	8K2 safety edge (not supplied)	8K2 safety edge (not supplied)	8K2 safety edge (not supplied)
Locking	Mechanical	Mechanical	Mechanical
Manual cycle	Mechanical release with lever	Mechanical release with lever	Mechanical release with lever
Frequency of use	very intensive	very intensive	very intensive
Protection rating	IP24	IP24	IP24
Environmental conditions	-15 ÷ 55 °C	-15 ÷ 55 °C	-15 ÷ 55 °C

Code	International code	Name		Description	
P925256 00002	**2601413**	**ICARO VELOCE SMART AC A1000**		Operator 230 V for sliding gates weighing up to 1000 kg with encoder. Gate panel speed 25 m/min. With mechanical safety clutch, manages torque using D-Track technology and oil bath gearbox. Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol	U-Link
P925256 00001	**2613178**	**ICARO VELOCE SMART AC A1000 120V 60HZ**		Operator 120 V for sliding gates weighing up to 1000 kg with encoder. Gate panel speed 22 m/min. With mechanical safety clutch, manages torque using D-Track technology and oil bath gearbox. Electromechanical limit switch. Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link
P925265 00002	**2613179**	**ICARO VELOCE SMART AC A2000**		Operator 230 V for sliding gates weighing up to 2000 kg with encoder. Gate panel speed 18 m/min. With mechanical safety clutch, manages torque using D-Track technology and oil bath gearbox. Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol	U-Link

LEO B CBB SV: Built-in control panel for 1 x 230V operator for sliding gates

LEO B CBB SV - Cp I700098 10001 - Ci 2601475 - Built-in - (Spare parts code for ICARO VELOCE SMART AC A1000 which are available for order via the Technical Support network)

- Built-in control panel for 1 x 230V operator for sliding gates
- Application: built-in control unit for one 230V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 230V 750W
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Main functions: automatic re-closing, fast closing, pedestrian opening

LEO B CBB SV 18D: Built-in control panel for 1 x 230V operator for sliding gates

LEO B CBB SV 18D - Cp I700125 10001 - Ci 2613257 - Built-in - (Spare parts code for ICARO VELOCE SMART AC A2000 which are available for order via the Technical Support network)

- Built-in control panel for 1 x 230V operator for sliding gates
- Application: built-in control unit for one 230V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 230V 750W
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Main functions: automatic re-closing, fast closing, pedestrian opening

RECOMMENDED ACCESSORIES

Cp D571054 - **Ci** 2608387
CFZ

galvanized steel rack, 4-module, cross-section 22 x 22 mm, length 2 m, welding attachment Max. load capacity 2000 kg.

Cp P125018 - **Ci** 2600843
THEKE B PRA 01

Metal protection box for ARES and ICARO series sliding operators

Cp R920110 - **Ci** 2611808
EDGE XL-CP99A36/CA/2000/8K/5 BFT

Kit for 8k2 resistive safety edges, length 2 metres, with 99 mm-high EPDM rubber strip, aluminium section, 2 contact terminals, 2 caps, 1 x 8.2 kOhm resistance connector and connection cable.

new **Cp** P125050 - **Ci** 2611437
TX WIRELESSBAND 2.R

Wireless transmitter for resistive safety edges.

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp N999156 - **Ci** 2611078
SFI

Base plate for ARES and ICARO (supplied with operator)

Cp P111468 - **Ci** 2600811
B EBA RS 485 LINK

Expansion board for connection of central units with serial controls management

new **Cp** R920111 - **Ci** 2611809
KIT WIRELSSBAND 2.R

Wireless transmission system for resistive safety edges comprising transmitter and receiver.

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

ICARO SMART AC A

BUILDING ACCESS AUTOMATION

Encoder

Oil Gear

U-Link

rolling code

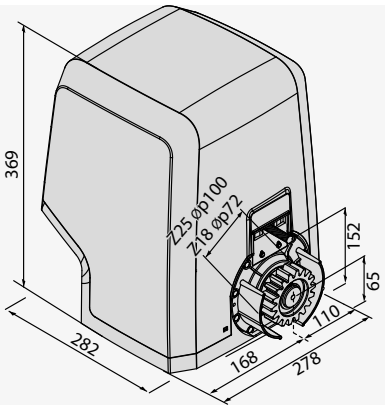
d-track

er ready

ee link

230V operators for sliding gates for very intensive use, extremely robust and high-performance thanks to oil bath transmission. Torque control thanks to D-Track technology and encoder for the highest possible precision of movement. Control unit for communication with U-Link protocol and with tamper-proof function. Operator with electromechanical limit switch.
The control unit ensures complete safety thanks to the exclusive torque control system that makes these operators comply fully with the current European standards.

DIMENSIONS (mm)



TECHNICAL FEATURES

	ICARO SMART AC A2000 V	ICARO SMART AC A2000 V SQ	ICARO SMART AC A2000
Control unit	LEO B CBB L02	-	LEO B CBB L02
Board power supply	230 V	- V	230 V
Motor voltage	230 V	230 V	230 V
Power consumption	750 W	750 W	750 W
Max. door/gate weight	1000 kg	1000 kg	2000 kg
Gate panel speed	12 m/min	12 m/min	9 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4
Slowdown	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	Mechanical clutch + encoder	Mechanical clutch + encoder	Mechanical clutch + encoder
Frequency of use	very intensive	very intensive	very intensive
Protection rating	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

	ICARO SMART AC A2000 SQ	ICARO SMART AC A2000 V 120	ICARO SMART AC A2000 120
Control unit	-	LEO B CBB L02	LEO B CBB L02
Board power supply	- V	230 V	230 V
Motor voltage	230 V	120 V	120 V
Power consumption	750 W	750 W	750 W
Max. door/gate weight	2000 kg	1000 kg	2000 kg
Gate panel speed	9 m/min	12 m/min	9 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4
Slowdown	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	Mechanical clutch + encoder	Mechanical clutch + encoder	Mechanical clutch + encoder
Frequency of use	very intensive	very intensive	very intensive
Protection rating	IP24	IP24	IP24
Environmental conditions	-20 ÷ 60 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	International code	Name		Description	
P925237 00002	**2611618**	**ICARO SMART AC A2000 V**		230 V operator for sliding gates up to 1000 kg with relative encoder. Gate panel speed 12 m/min . Electromechanical limit switch. Equipped with mechanical safety clutch, torque management via D-Track technology and oil bath gearbox. Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol	U-Link
P925237 00003	**2611619**	**ICARO SMART AC A2000 V SQ**		Operator 230 V for sliding gates up to 1000 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical.	U-Link
P925236 00002	**2600853**	**ICARO SMART AC A2000**		230 V operator for sliding gates up to 2000 kg with relative encoder. Gate panel speed 9 m/min . Electromechanical limit switch. Equipped with mechanical safety clutch, torque management via D-Track technology and oil bath gearbox. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link
P925236 00003	**2611614**	**ICARO SMART AC A2000 SQ**		Operator 230 V for sliding gates up to 2000 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical.	
P925237 00001	**2611617**	**ICARO SMART AC A2000 V 120**		120 V operator for sliding gates up to 1000 kg with relative encoder. Gate panel speed 12 m/min . Electromechanical limit switch. Equipped with mechanical safety clutch, torque management via D-Track technology and oil bath gearbox. Control unit preconfigured for communication with U-Link protocol and with tamper-proof function. Operator with encoder and torque control using D-Track technology.	U-Link
P925236 00001	**2611613**	**ICARO SMART AC A2000 120**		120 V operator for sliding gates up to 2000 kg with relative encoder. 9 m/min gate panel speed. Equipped with mechanical safety clutch, torque management via D-Track technology and oil bath gearbox. Limit switch Electromechanical. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link

LEO B CBB L02: Built-in control panel for 1 x 230V operator for sliding gates

LEO B CBB L02 - Cp I700073 10001 - Ci 2600768 - Built-in - (Spare part code, available for order through the Technical Support network)

- Built-in control panel for 1 x 230V operator for sliding gates
- Application: built-in control unit for one 230V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 230V 750W
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Main functions: automatic re-closing, fast closing, pedestrian opening

RECOMMENDED ACCESSORIES

Cp D221073 - **Ci** 2600594
CP

plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots attachment Max. load capacity 600 kg.

Cp N999320 - **Ci** 2611083
CVZ-S

steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 800 kg.

Cp D571053 - **Ci** 9011069
CVZ

steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 1000 kg.

Cp D571054 - **Ci** 2608387
CFZ

galvanized steel rack, 4-module, cross-section 22 x 22 mm, length 2 m, welding attachment Max. load capacity 2000 kg.

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp N999156 - **Ci** 2611078
SFI

Base plate for ARES and ICARO (supplied with operator)

Cp P125018 - **Ci** 2600843
THEKE B PRA 01

Metal protection box for ARES and ICARO series sliding operators

Cp P111468 - **Ci** 2600811
B EBA RS 485 LINK

Expansion board for connection of central units with serial controls management

ICARO ULTRA AC A

BUILDING ACCESS AUTOMATION

er ready

d-track

rolling code

U-Link

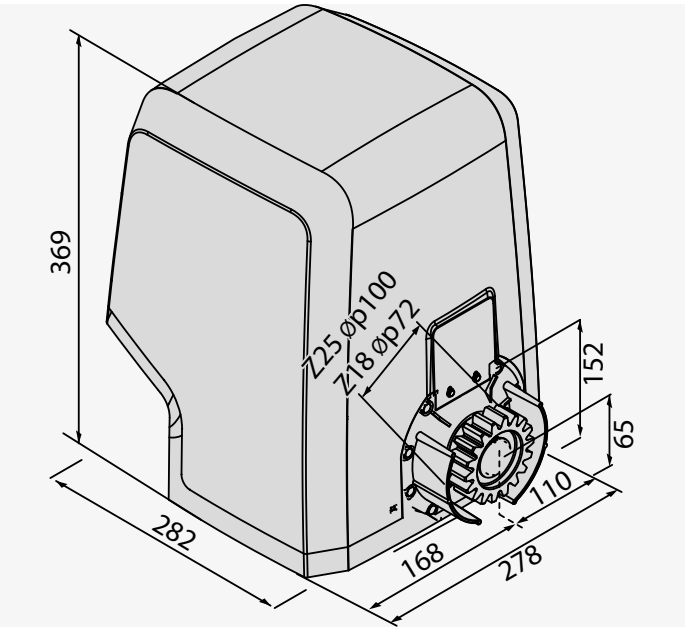
ee link

Encoder

Oil Gear

230V operators for sliding gates for very intensive use, extremely robust and high-performance thanks to oil bath transmission. Torque control thanks to D-Track technology and encoder for the highest possible precision of movement. Control unit for communication with U-Link protocol and with tamper-proof function. Operator with magnetic limit switch.
The control unit ensures complete safety thanks to the exclusive torque control system that makes these operators comply fully with the current European standards.

DIMENSIONS (mm)



TECHNICAL FEATURES

	ICARO ULTRA AC A2000
Control unit	LEO B CBB L02
Board power supply	230 V
Motor voltage	230 V
Power consumption	750 W
Max. door/gate weight	2000 kg
Gate panel speed	9 m/min
Type of limit switch	Magnetic
Pinion module	4
Slowdown	Yes
Locking	Mechanical
Release	Lever-operated with personal key
Impact reaction	Mechanical clutch + encoder
Frequency of use	very intensive
Protection rating	IP55
Environmental conditions	-20 ÷ 55 °C

Code	International code	Name		Description	
P925238 00002	**2600854**	**ICARO ULTRA AC A2000**		Operator 230 V for sliding gates up to 2000 kg with relative encoder. Leaf speed 9 m/min . Magnetic limit switch. Equipped with mechanical safety clutch, torque management via D-Track technology and gear unit in oil bath. Control unit for communication with U-Link protocol and with tamper-proof function. Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link

LEO B CBB L02: Built-in control panel for 1 x 230V operator for sliding gates

LEO B CBB L02 - Cp I700073 10001 - Ci 2600768 - Built-in - (Spare part code, available for order through the Technical Support network)

- Built-in control panel for 1 x 230V operator for sliding gates
- Application: built-in control unit for one 230V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 230V 750W
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Main functions: automatic re-closing, fast closing, pedestrian opening

RECOMMENDED ACCESSORIES

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

Cp D114093 00001 - **Ci** 2607537
RADIUS LED AC A R1 120

Flashing light with incorporated antenna for motors with power supply 120 V .

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp D221073 - **Ci** 2600594
CP

plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots attachment Max. load capacity 600 kg.

Cp N999320 - **Ci** 2611083
CVZ-S

steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 800 kg.

Cp D571054 - **Ci** 2608387
CFZ

galvanized steel rack, 4-module, cross-section 22 x 22 mm, length 2 m, welding attachment Max. load capacity 2000 kg.

Cp D571053 - **Ci** 9011069
CVZ

steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 1000 kg.

Cp N999156 - **Ci** 2611078
SFI

Base plate for ARES and ICARO (supplied with operator)

Cp P125018 - **Ci** 2600843
THEKE B PRA 01

Metal protection box for ARES and ICARO series sliding operators

Cp P111468 - **Ci** 2600811
B EBA RS 485 LINK

Expansion board for connection of central units with serial controls management

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

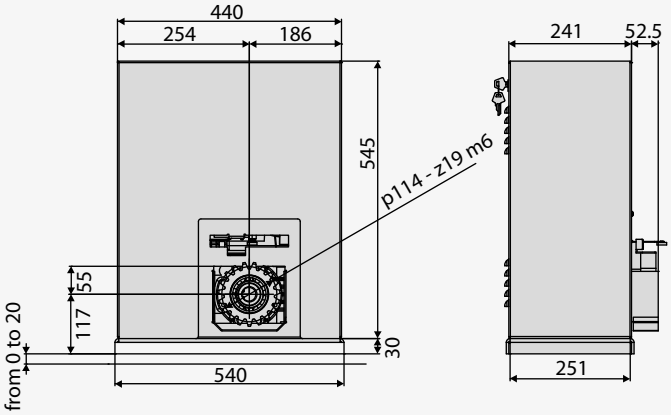
SP3500

er ready

U-Link

Powerful, robust operators with 400V three-phase power supply designed specifically for large, heavy gates.
The heavy structure of the gear motor, the painted galvanised steel casing and the on-board control unit make it the ideal solution for all industrial situations where reliability and power are essential.

DIMENSIONS (mm)



TECHNICAL FEATURES

	SP3500 TRI 230	SP3500 TRI 400	SP3500 SF TRI 400
Control unit	SIRIO CBB	SIRIO CBB	SIRIO CBB
Board power supply	230 V	400 V	400 V
Motor voltage	230 V	400 V	400 V
Power consumption	550 W	550 W	550 W
Max. door/gate weight	3500 kg	3500 kg	3500 kg
Gate panel speed	10,5 m/min	10 m/min	10 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical
Pinion module	6	6	6
Slowdown	no	no	no
Locking	Mechanical	Mechanical	Mechanical
Release	Hex key	Hex key	Hex key
Impact reaction	Sensitive edge	Sensitive edge	Sensitive edge
Frequency of use	very intensive	very intensive	very intensive
Protection rating	IP54	IP54	IP54
Environmental conditions	-15 ÷ 50 °C	-15 ÷ 50 °C	-15 ÷ 50 °C

Code	International code	Name		Description	
P925207 00002	**2601301**	**SP3500 TRI 230**		Operator 230 V for sliding gates weighing up to 3500 kg. Leaf speed 10,5 m/min. U-link and limit switch Electromechanical. Three-phase power supply 230 V. Fixing base included. Control unit with display and U-Link communication protocol	U-Link
P925207 00001	**2600514**	**SP3500 TRI 400**		Operator 400 V for sliding gates up to 3500 kg in weight. Gate speed 10 m/min. U-link and limit switch Electromechanical. Three-phase 400 V power supply. Anchorage base included. Operator with mechanical brake Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol	U-Link
P925244 00003	**2611623**	**SP3500 SF TRI 400**		Operator 400 V for sliding gates weighing up to 3500 kg. Leaf speed 10 m/min. U-link and limit switch Electromechanical. Three-phase power supply 400 V. Fixing base included. Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol	

SIRIO CBB 400V: 400V single operator control unit for sliding gates

SIRIO CBB 400V - Cp I100412 - Ci 2600697 - Built-in - (Spare part code, available for order through the Technical Support network)

- Main features: Removable terminal blocks with standard colour-coding, programming and diagnostics with display and U-link communication protocol.
- Main functions: automatic re-closing, separate opening and closing
- Radio receiver not included
- Application: built-in 400V single operator control unit for sliding gates
- Board power supply: 400V three-phase

RECOMMENDED ACCESSORIES

Cp P111468 - **Ci** 2600811
B EBA RS 485 LINK

Expansion board for connection of central units with serial controls management

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

Cp D571491 - **Ci** 2600074
CFZ6

galvanized steel rack, 6-module, cross-section 30 x 30 mm, length 2 m, welding attachment Max. load capacity 4000 kg.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P125016 - **Ci** 2611425
SP3500 SAFETY

Safety microswitch for SP3500

Cp D111664 - **Ci** 2600153
CLONIX 2 2048

Dual channel 433 MHz rolling code plug-in receiver. 2048-position memory 24 Vdc Vac power supply.

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

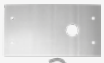
Flashing light with incorporated antenna for motors with 230 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.



Cp P125015 - **Ci** 2600842
SFSP

Adjustable anchor base for SP3500, supplied separately

Cp D111662 - **Ci** 2600152
CLONIX 2

Two-channel receiver with plug 433 MHz rolling code. 128 position memory. 24 Vac power supply.

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

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solenoid locks P. 291
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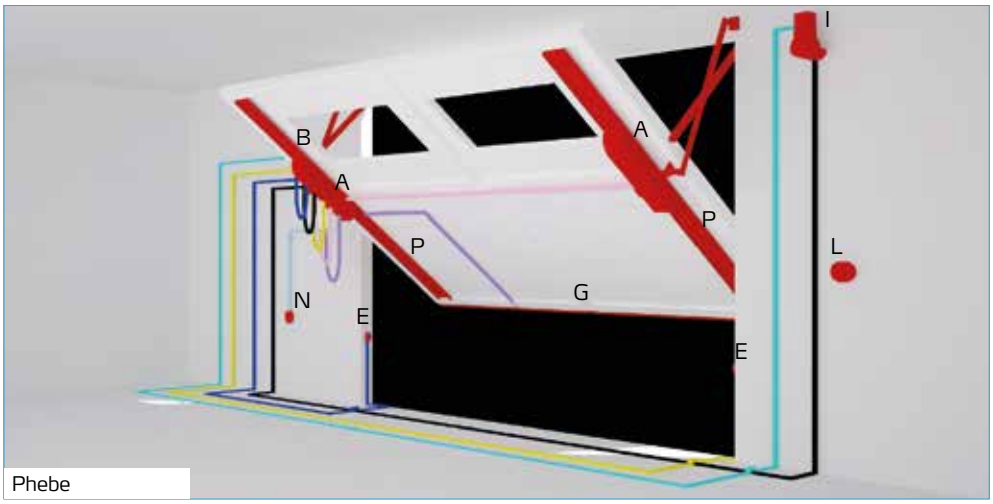
Automation systems for garage doors

Guide to choosing

Door surface area	Nominal voltage	Frequency of use	Kit	Model	Plus
Sectional garage doors					
10 m²	24 V	Semi intensive	-	TIZIANO B GDA 260 S01	D-Track
		intensive	-	BOTTICELLI BT A 650	D-Track
			-	BOTTICELLI BT A650 KIT	D-Track
13 m²			-	BOTTICELLI SMART BT A 850	D-Track Exclusive anti-intruder function.
			-	BOTTICELLI SMART BT A850 VERDE	D-Track Exclusive anti-intruder function.
	120 V		-	BOTTICELLI SMART BT A850 120V	D-Track Exclusive anti-intruder function.
16 m²	24 V	very intensive	-	BOTTICELLI SMART BT A 1250	D-Track Exclusive anti-intruder function.
			-	BOTTICELLI SMART BT A1250 VERDE	D-Track Exclusive anti-intruder function.
20 m²			-	ARGO BT A 20	Built-in courtesy light
35 m²			-	ARGO BT A 35	Built-in courtesy light
Overhead garage doors					
8 m²	24 V	intensive	-	PHEBE BT A U	Built-in control unit with D-Track
			-	PHEBE BT A SQ	Limit switch on-board the motor Limit switch Electromechanical.
			-	PHEBE BT A U C	Built-in control unit with D-Track
			-	PHEBE BT A C SQ	Limit switch on-board the motor Limit switch Electromechanical.
			-	PHEBE BT A U IP44	IP44
			-	PHEBE BT A SQ IP44	IP44 Limit switch Electromechanical.
			●	PHEBE BT A U KIT ITA	Built-in control unit with D-Track
9 m²	230 V	very intensive	-	BERMA	knob release
			-	BERMA SEB	lever for steel cable release
			-	BERMA R	knob release and hydraulic slowdown
			-	BERMA SEB R	lever for steel cable release and hydraulic slowdown
			-	BERMA SA R	automatic release and hydraulic slowdown

Installation guide



Phebe

A	Operator
B	Control unit
C	Backup Batteries
D	Receiver
E	Photocell
G	Sensitive edge
H	Post
I	Blinker
L	Control system (key selector switch, keypad, badge reader)
N	Junction box
P	Fitting system
	2x1,5
	3x1,5
	5x1,5
	RG 58
	3x1
	5x1
	2x1
	9x0,5
	4x2,5

Control units for garage doors

	ALCOR AC A	RIGEL 6 220-230V 50/60HZ	VENERE-BT-A-ETD 650	VENERE-BT-A-DIS 850	VENERE-BT-A-DIS 1250	VEGA	VEGA BTL2 QUADRO CPEL	VENERE BT A - ARGO BT A20	VENERE BT A - ARGO BT A35
BASIC CHARACTERISTIS									
Motors	2	2	1	1	1	2	2	1	1
Maximum output	750 W	750 W	200 W	200 W	200 W	200 (20P) 130(10P) W	200 (20P) 130(10P) W	200 W	200 W
Connectivity		●		●	●	●	●	●	●
eelink		●							
erready	●	●	●	●	●	●	●	●	●
Board power supply	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V
Max. n. transmitters	63	63	63	63	63	63	63	63	63
Programming	DIP+TRIMMER	DISPLAY	DISPLAY - TRIMMER ELETTRONICI	DISPLAY	DISPLAY	DISPLAY	DISPLAY	DISPLAY	DISPLAY
Autoset		●	●	●	●	●	●	●	●
Password		●		●	●	●	●	●	●
Power supply accessories	24V - 0,2A	24V - 1A	24V - 0,36A	24V - 0,36A	24V - 0,36A	24V - 0,2A	24V - 0,2A	24V - 0,36A	24V - 0,36A
ADVANCED FEATURES									
Separate safety inputs	●	●				●	●		
Obstacle detection		●	●	●	●	●	●	●	●
Obstacle sensitivity		●	●	●	●	●	●	●	●
Electronic torque adjustment		●	●	●	●	●	●	●	●
DIAGNOSTICS									
Error diagnostics	LED	DISPLAY							
CLAMPS									
Optional card		●		●	●	●	●	●	●
External programming		●	●	●	●			●	●
encoder			●	●	●			●	●
Antenna	●	●				●	●		
CONFIGURATION OF SAFETY INPUTS									
Light sensor	●	●	●	●	●	●	●	●	●

Cp **Code**

Ci **International code**

U-Link

New

Phase-out

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Control units for garage doors

	ALCOR AC A	RIGEL 6 220-230V 50/60HZ	VENERE-BT-A-ETD 650	VENERE-BT-A-DIS 850	VENERE-BT-A-DIS 1250	VEGA	VEGA BTL2 QUADRO CPEL	VENERE BT A - ARGO BT A20	VENERE BT A - ARGO BT A35
Safety edge	●	●	●	●	●	●	●	●	●
Resistive edge	●	●	●	●	●	●	●	●	●
Tested photocell	●	●	●	●	●	●	●	●	●
Tested safety edge	●	●		●	●	●	●	●	●
Stop	●	●	●	●	●	●	●	●	●
LIMIT SWITCH FOR INPUTS									
Limit switch for opening		●				●	●		
Limit switch for closing		●				●	●		
CONFIGURATION OF CONTROL INPUTS									
Start	●	●	●	●	●	●	●	●	●
Traffic light control		●		●	●	●	●	●	●
Open	●	●		●	●	●	●	●	●
Close		●		●	●	●	●	●	●
Pedestrian open		●	●	●	●	●	●	●	●
Open with timer		●		●	●	●	●	●	●
Pedestrian open with timer		●		●	●	●	●	●	●
OUTPUTS									
Blinker	230V - 40W	230V - 80W	24 - 1A	24V - 1A	24V - 1A	24V - 1A	24V - 1A	24V - 1A	24V - 1A
Configurable AUX 3	No	●	No	24V - 1A	24V - 1A	24V - 1A	24V - 1A	24V - 1A	24V - 1A
Solenoid Lock	No	12V	No	No	No	24V-10W	24V-10W	No	No
Courtesy Light			●	●	●	●	●	●	●
OUTPUTS CONFIGURATION									
Gate open warning light		●		●	●	●	●	●	●
Courtesy light		●		●	●	●	●	●	●
Zone light		●				●	●		
Stairs light		●				●	●		
Gate open alarm		●		●	●	●	●	●	●
Blinker		●	●	●	●	●	●	●	●
Electric release lock		●				●	●		
Electric magnetic lock		●				●	●		
Maintenance		●		●	●	●	●	●	●
Flashing + Maintenance		●				●	●		
Tamper-proof						●	●		
Gate status		●		●	●	●	●	●	●
Bistable radio channel		●		●	●	●	●	●	●
Time delay radio channel		●		●	●	●	●	●	●
LOGICS									
Photocell/Photocell closing	●	●				●	●		
Check Photocell input	●	●	●	●	●	●	●	●	●
Safefy edge/Resistive edge	●	●	●	●	●	●	●	●	●
Check safety edge input	●	●		●	●	●	●	●	●
Operation Photocell input	●	●	●			●	●		
Pulse blocking		●	●	●	●	●	●	●	●
Pulse blocking opening		●	●	●	●	●	●	●	●
Pulse blocking TCA		●				●	●		
Pulse blocking closing		●				●	●		
Reversing stroke									
Pedestrian opening		●		●	●		●	●	●
Reversing stroke opening	●	●				●	●		
Quick closing	●	●				●	●		
Pre-alarm		●		●	●	●	●	●	●
Deadman		●		●	●			●	●
Emergency deadman	No	●							
One motor active	S (trimmer a 0)	●				●	●		
ICE feature						●	●		
Choose motor type						●	●		
Inversion motor phase shift						●			
master/slave		●		●	●	●	●	●	●
2 steps		●				●	●		
3 steps		●		●	●	●	●	●	●
4 steps	●	●	●	●	●	●	●	●	●

Control units for garage doors

	ALCOR AC A	RIGEL 6 220-230V 50/60HZ	VENERE-BT-A-ETD 650	VENERE-BT-A-DIS 850	VENERE-BT-A-DIS 1250	VEGA	VEGA BTL2 QUADRO CPEL	VENERE BT A - ARGO BT A20	VENERE BT A - ARGO BT A35
PARAMETERS									
Automatic Closing Time (TCA)	●								
Leaf force	No	1-99%	No	1-99%	1-99%	1-99%	1-99%	1-99%	1-99%
Slowdown Speed									
Slowdown Space Opening	No	No	No	7-99%	7-99%	1-50%	1-50%	7-99%	7-99%
Slowdown Space Closing	No	No	No	7-99%	7-99%	5-50%	5-50%	7-99%	7-99%
Deceleration Space	No	No	No	No	No	0-50%	0-50%	No	No
Pedestrian opening	No	3-90 s	No	1-99%	1-99%	No	10-99%	1-99%	1-99%
Number of Movements Programming	No	0-250	No	0-250	0-250	No	No	0-250	0-250
Time to Clear Traffic Light Area	No	1-180 s	No	No	No	1-180 s	1-180 s	No	No
Opening Speed									
Closing Speed									
Output Time Delay Activation Time	No	1-240 s	No	1-240 s	1-240 s	1-240 s	1-240 s	1-240 s	1-240 s
Pickup time			No	No	No	30-250 s	30-250 s	No	No
Courtesy light switch-on-time			No	30-300 s	30-300 s	No	No	30-300 s	30-300 s

Cp **Code**
Ci **International code**

U-Link
New
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TIZIANO

HOME

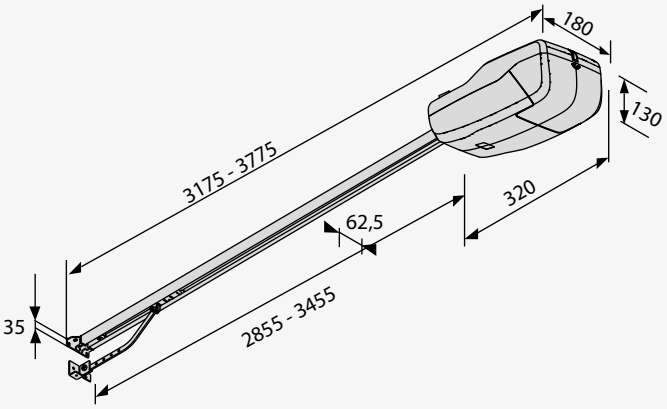
24 V

er ready

d-track

Just 13 cm thick, the TIZIANO is one of the most compact operators on the market and can be installed in any architectural context. Thanks to the built-in radio receiver in the control unit, TIZIANO can store the code for 10 MITTO or KLEIO series remote controls and/or wireless control systems such as MIMEPAD or T-BOX.

DIMENSIONS (mm)



TECHNICAL FEATURES

	TIZIANO B GDA 260 S01
Control unit	VENERE B GDA
Nominal voltage	24 V
Power consumption	100 W
Max. door/gate weight	60 kg
Door surface area	10 m^2
Gate panel speed	6,6 m/min
Type of limit switch	encoder
Slowdown	Yes
Locking	Mechanical
Release	Steel cord or cable
Impact reaction	D-Track
Frequency of use	Semi intensive
Protection rating	IPX0
Environmental conditions	-20 ÷ 60 °C

Code	International code	Name		Description
P915199 00002	**2601449**	**TIZIANO B GDA 260 S01**		Operator for sectional garage doors with tractive force 60 kg and Semi intensive use. Door surface area 10 m². Opening speed 6,6 m/min. D-Track

VENERE M B GDA: Control panel for one 24 V operator for garage doors

VENERE M B GDA - Cp I113401 - Ci 2601397 - Built-in - (Spare part code, available for order through the Technical Support network)

- Control panel for one 24 V operator for garage doors
- Application: control unit for 1 x 24 V garage door operator
- Card power supply: 230 V single-phase
- Operator power supply: 24V 100W
- Main features: dip-switch programming and potentiometers, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Main functions: automatic re-closing, automatic torque control

VITAL ACCESSORIES

Cp P115015 00001 - **Ci** 2611383
BIN B GDA 3020 CAT

Chain rail for TIZIANO B GDA, length 3020 mm, useful travel 2560 mm

Cp P115015 00002 - **Ci** 2611384
BIN B GDA 3620 CAT

Chain rail for TIZIANO B GDA, length 3620 mm, useful travel 3160 mm

Cp P115015 00003 - **Ci** 2611385
BIN B Gda 2x1510 Cat

Chain track divided into two halves for TIZIANO B GDA, length 3020 mm, useful travel 2560 mm

Cp P115015 00004 - **Ci** 2611386
BIN B Gda 2x1810 Cat

Chain track divided into two halves for TIZIANO B GDA, length 3620 mm, useful travel 3160 mm

Cp P115026 00001 - **Ci** 2601420
BIN B GDA 3020 BELT

Monoblock belt rail, length 3020 mm, useful length 2560 mm

Cp P115026 00002 - **Ci** 2611389
BIN B GDA 3620 BELT

Monoblock belt rail, length 3620 mm, useful length 3160 mm

Cp P115026 00003 - **Ci** 2601421
BIN B GDA 2x1510 BELT

Two-piece monoblock belt rail, length 3020 mm, useful length 2560 mm

Cp P115026 00004 - **Ci** 2601422
BIN B GDA 2x1810 BELT

Two-piece monoblock belt rail, length 3620 mm, useful length 3160 mm

RECOMMENDED ACCESSORIES

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp N999620 - **Ci** 2611134
SAS1 KIT B GDA 260 B01

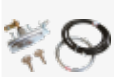
Brackets for ceiling mounting TIZIANO B GDA up to max 30 cm

Cp N999621 - **Ci** 2611136
SAS2 KIT B GDA 260 B01

Brackets for ceiling mounting TIZIANO B GDA up to max 50 cm

Cp P115005 - **Ci** 2600817
SM1

External manual release for overhead garage door (1 operator)



Cp N733069 - **Ci** 2600786
SET/S

External release for insulated sectional and overhead doors of thickness up to 50 mm.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
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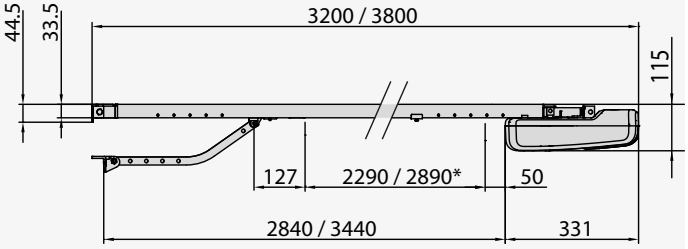
release systems P. 292

BOTTICELLI SMART BT A

HOME ACCESS AUTOMATION
BUILDING ACCESS AUTOMATION
er ready
24 V
d-track
U-Link

Electromechanical operators for intensive/very intensive use, designed for the automation of sectional garage doors.
Features a very compact design, suitable for installation in any situation, thanks to the wide range of chain rails available in various lengths.
The control unit and limit switch with encoder with mechanical stop are incorporated in the operator and rail respectively.
The intensity of use makes them suitable for any type of installation, both residential and municipal. The quick Set-Up function from the ground makes installation fast and easy. The high opening speed minimises waiting times and maximises comfort for the end user. The exclusive anti-intruder function (SMART models) secures the garage from unwanted accesses.
The new GREEN models are environmentally friendly, drastically reduce emissions and energy requirements, thanks to a consumption on standby lower than 1W and the total use of recyclable material.

DIMENSIONS (mm)



* corsa utile / usable travel / course utile / nutzhub / carrera útil / werkslag

TECHNICAL FEATURES

	BOTTICELLI BT A 650	BOTTICELLI BT A650 KIT	BOTTICELLI SMART BT A 850	BOTTICELLI SMART BT A850 VERDE
Control unit	VENERE BT A ETD	VENERE BT A ETD	VENERE BT A DIS	VENERE BT A DIS
Nominal voltage	24 V	24 V	24 V	24 V
Power consumption	200 W	200 W	200 W	200 W
Consumption on standby	6,7 W	< 1 W	6,7 W	< 1 W
Tractive force and thrust	650 N	650 N	850 N	850 N
Number of daily movements at 60°	50	50	50	50
Door surface area	10 m^2	10 m^2	13 m^2	13 m^2
Max opening speed (chain rail)	210 mm/sec	210 mm/sec	210 mm/sec	210 mm/sec
Max opening speed (belt rail)	240 mm/sec	240 mm/sec	240 mm/sec	240 mm/sec
Type of limit switch	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Steel cord or cable	Steel cord or cable	Steel cord or cable	Steel cord or cable
Impact reaction	D-Track	D-Track	D-Track	D-Track
Protection rating	IP20	IP20	IP20	IP20
Environmental conditions	-20 ÷ 60 °C	-20 ÷ 60 °C	-20 ÷ 60 °C	-20 ÷ 60 °C

	BOTTICELLI SMART BT A850 120V	BOTTICELLI SMART BT A 1250	BOTTICELLI SMART BT A1250 VERDE
Control unit	VENERE BT A DIS	VENERE BT A DIS	VENERE BT A DIS
Nominal voltage	120 V	24 V	24 V
Power consumption	200 W	236 W	236 W
Consumption on standby	6,7 W	8,5 W	< 1 W
Tractive force and thrust	850 N	1250 N	1250 N
Number of daily movements at 60°	50	100	100
Door surface area	13 m^2	16 m^2	16 m^2
Max opening speed (chain rail)	210 mm/sec	190 mm/sec	190 mm/sec
Max opening speed (belt rail)	240 mm/sec	N/A mm/sec	N/A mm/sec
Type of limit switch	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening
Slowdown	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical
Release	Steel cord or cable	Steel cord or cable	Steel cord or cable
Impact reaction	D-Track	D-Track	D-Track
Protection rating	IP20	IP20	IP20
Environmental conditions	-20 ÷ 60 °C	-20 ÷ 60 °C	-20 ÷ 60 °C

Code	International code	Name		Description	
P915211 00002	**2601281**	**BOTTICELLI BT A 650**		24 V operator for sectional garage doors with tractive force 60 kg and intensive use. Max door surface area 10 m^2. Opening speed 210 mm/sec. D-Track	
P915211 00005	**2611543**	**BOTTICELLI BT A650 VERDE**	new	24 V operator for sectional garage doors with tractive force 60 kg and intensive use. Max door surface area 10 m^2. Opening speed 210 mm/sec. Consumption on standby: lower than 1W. D-Track	
P915212 00002	**2601282**	**BOTTICELLI SMART BT A 850**		24 V operator for sectional garage doors with tractive force 80 kg and intensive use. Max door surface area 13 m^2. Opening speed 210 mm/sec. D-Track Exclusive anti-intruder function.	U-Link
P915212 00005	**2611545**	**BOTTICELLI SMART BT A850 VERDE**	new	24 V operator for sectional garage doors with tractive force 80 kg and intensive use. Max door surface area 13 m^2. Opening speed 210 mm/sec. Consumption on standby: lower than 1W. D-Track Exclusive anti-intruder function.	U-Link
P915212 00001	**2614521**	**BOTTICELLI SMART BT A850 120V**	new	120 V operator for sectional garage doors with tractive force 80 kg and intensive use. Max door surface area 13 m^2. Opening speed 210 mm/sec. D-Track Exclusive anti-intruder function.	U-Link
P915213 00002	**2601283**	**BOTTICELLI SMART BT A 1250**		24 V operator for sectional garage doors with tractive force 120 kg and very intensive use. Max door surface area 16 m^2. Opening speed 190 mm/sec. D-Track Exclusive anti-intruder function.	U-Link
P915213 00006	**2611548**	**BOTTICELLI SMART BT A1250 VERDE**	new	24 V operator for sectional garage doors with tractive force 120 kg and very intensive use. Max door surface area 16 m^2. Opening speed 190 mm/sec. Consumption on standby: lower than 1W. D-Track Exclusive anti-intruder function.	U-Link

VENERE-BT-A-ETD 650: Control unit with electronic trimmer-dip switch for 1 x 24 V operator for garage doors

VENERE-BT-A-ETD 650 - Cp I700078 10001 - Ci 2610734 - Built-in - (Spare part code, available for order through the Technical Support network)

- Control unit with electronic trimmer-dip switch for 1 x 24 V operator for garage doors
- Board power supply: 230V single-phase
- Power supply to motor and accessories: 24 V
- Main features: integrated two-channel receiver, D-Track anti-crushing system, soft opening and closing
- Main functions: automatic re-closing, automatic torque control
- Programming with electronic trimmer-dip switch (shown on display)

VENERE-BT-A-DIS 850: Control unit with display for 1 x 24 V operator for garage doors

VENERE-BT-A-DIS 850 - Cp I700080 10001 - Ci 2610735 - Built-in - (Spare part code, available for order through the Technical Support network)

- Control unit with display for 1 x 24 V operator for garage doors
- Panel power supply: 230 V, single-phase
- Power supply to motor and accessories: 24 V
- Main features: built-in four-channel receiver, D-Track anti-crushing system, soft opening and closing
- Main functions: automatic re-closing, automatic torque control
- Programming with display
- U-Link protocol
- Exclusive anti-intruder function.

VENERE-BT-A-DIS 1250: Control unit with display for 1 x 24 V operator for garage doors

VENERE-BT-A-DIS 1250 - Cp I700085 10001 - Ci 2610738 - Built-in - (Spare part code, available for order through the Technical Support network)

- Control unit with display for 1 x 24 V operator for garage doors
- Panel power supply: 230 V, single-phase
- Power supply to motor and accessories: 24 V
- Main features: built-in four-channel receiver, D-Track anti-crushing system, soft opening and closing
- Main functions: automatic re-closing, automatic torque control
- Programming with display
- U-Link protocol
- Exclusive anti-intruder function.

VITAL ACCESSORIES

Cp P115036 00001 - **Ci** 2601284
BIN 650-850 CATENA 2900

Chain rail for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 2900 mm, effective travel 2400 mm

Cp P115036 00004 - **Ci** 2601285
BIN 650-850 CATENA 2X1450

Chain rail divided into two halves for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 2900 mm, travel 2400 mm

Cp P115037 00001 - **Ci** 2601288
BIN 650-850 CINGHIA 2900

Belt rail for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 2900 mm, effective travel 2400 mm

Cp P115037 00003 - **Ci** 2601289
BIN 650-850 CINGHIA 2X1450

Belt rail divided into two halves for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 2900 mm, travel 2400 mm

Cp P115035 00001 - **Ci** 2601292
BIN 1250-2900 CATENA

Chain rail for Botticelli Smart BT A 1250 compatible with EOS 120, length 2900 mm, effective travel 2400 mm

Cp P115035 00003 - **Ci** 2601293
BIN 1250 2x1450 CATENA

Chain rail divided into two halves for Botticelli Smart BT A 1250 compatible with EOS 120, length 2900 mm, travel 2400 mm

Cp P115036 00002 - **Ci** 2601286
BIN 650-850 CATENA 3500

Chain rail for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 3500 mm, effective travel 3000 mm

Cp P115036 00005 - **Ci** 2601287
BIN 650-850 CATENA 2X1750

Chain rail divided into two halves for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 3500 mm, travel 3000 mm

Cp P115037 00002 - **Ci** 2601290
BIN 650-850 CINGHIA 3500

Belt rail for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 3500 mm, effective travel 3000 mm

Cp P115037 00004 - **Ci** 2601291
BIN 650-850 CINGHIA 2X1750

Belt rail divided into two halves for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 3500 mm, travel 3000 mm

Cp P115035 00002 - **Ci** 2601294
BIN 1250-3500 CATENA

Chain rail for Botticelli Smart BT A 1250 compatible with EOS 120, length 3500 mm, effective travel 3000 mm

Cp P115035 00004 - **Ci** 2601295
BIN 1250 2x1750 CATENA

Chain rail divided into two halves for Botticelli Smart BT A 1250 compatible with EOS 120, length 3500 mm, travel 3000 mm

RECOMMENDED ACCESSORIES

Cp N733391 - **Ci** 2600788
PBE

Complete kit for extending the useful travel of the BOTTICELLI and EOS 120 chain rails by 1 m.

Cp N999060 - **Ci** 2611068
APT

Assembly for fitting BOTTICELLI, EOS 120 at over 30 cm from the ceiling

Cp P115005 - **Ci** 2600817
SM1

External manual release for overhead garage door (1 operator)

Cp P115003 - **Ci** 2611376
ST

Automatic bolt release for sectional doors

Cp P125005 - **Ci** 2600078
BT BAT

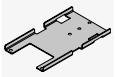
Back-up battery kit for HYDRA N, ARGO, VENERE BT A DIS

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.



Cp P115038 - **Ci** 2611392
SAB BOTTICELLI BT A 1250

Adaptor bracket for Botticelli Smart 1250 applications on EOS 120/1200 U tracks.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

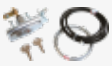
2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp N999060 00001 - **Ci** 2601296
APT S

Assembly for fitting BOTTICELLI BT A to the ceiling

Cp N999370 - **Ci** 2611102
TA BIN

Vibration damper plugs for EOS120 and BOTTICELLI, (pack of 4 plugs)



Cp N733069 - **Ci** 2600786
SET/S

External release for insulated sectional and overhead doors of thickness up to 50 mm.

Cp P115029 - **Ci** 2611390
BRTS

Triangular slide arm for overhead doors For BOTTICELLI SMART BT A 850-1250, BOTTICELLI B CRC 480, EOS 120, BOTTICELLI 800 U and EOS 120 U operators.

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp P125047 - **Ci** 2611436
BT BAT 3

Built-in penlight battery for Botticelli BT A for emergency operation. Enables 2 movements to be made. Max. duration 12 hours in standby mode in the event of a prolonged power cut.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
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safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

PHEBE BT A

HOME

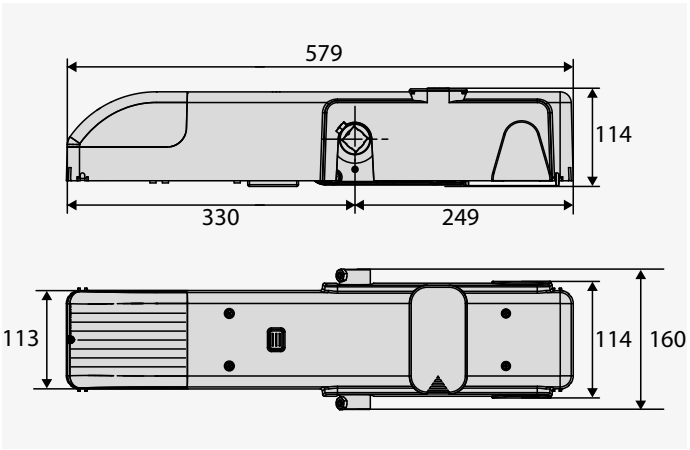
U-Link

d-track

er ready

Electromechanical operators for residential use for the automation of overhead garage doors.
The built-in control unit manages the second operator for installation on large-size doors or doors with integrated pedestrian doors.
The microprocessor technology also manages the torque of the motors with maximum precision and in total safety.

DIMENSIONS (mm)



TECHNICAL FEATURES

	PHEBE BT A U	PHEBE BT A SQ	PHEBE BT A U C
Control unit	VEGA	-	VEGA
Nominal voltage	24 V	24 V	24 V
Power consumption	40 W	40 W	40 W
Cycle time	17-20 s	17-20 s	17-20 s
Door surface area	8 m²	8 m²	8 m²
Type of limit switch	Electromechanical	Electromechanical	Electromechanical
Slowdown	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical
Release	knob	knob	knob
Impact reaction	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive
Protection rating	IP20	IP20	IP20
Environmental conditions	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C

	PHEBE BT A C SQ	PHEBE BT A U IP44	PHEBE BT A SQ IP44
Control unit	-	VEGA	-
Nominal voltage	24 V	24 V	24 V
Power consumption	40 W	40 W	40 W
Cycle time	17-20 s	17-20 s	17-20 s
Door surface area	8 m²	8 m²	8 m²
Type of limit switch	Electromechanical	Electromechanical	Electromechanical
Slowdown	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical
Release	knob	knob	knob
Impact reaction	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive
Protection rating	IP20	IP44	IP44
Environmental conditions	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C

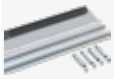
Code	International code	Name		Description	
P915136 00002	**2600850**	**PHEBE BT A U**		Electromechanical operator with built-in control panel for overhead garage doors of maximum surface area 8 m² and intensive use with slowdown. Cycle time 17-20 s, IP20 Limit switch Electromechanical. Built-in control unit with D-Track	U-Link
P915136 00003	**2600027**	**PHEBE BT A SQ**		Operator for overhead garage doors of maximum surface area 8 m² and intensive use. Cycle time 17-20 s, IP20 Limit switch on-board the motor Limit switch Electromechanical.	
P915139 00002	**2611529**	**PHEBE BT A U C**		Electromechanical operator with built-in control panel for overhead garage doors of maximum surface area 8 m² and intensive use with slowdown. Cycle time 17-20 s, IP20 Limit switch Electromechanical. Built-in control unit with D-Track	U-Link
P915139 00003	**2611530**	**PHEBE BT A C SQ**		Operator for overhead garage doors of maximum surface area 8 m² and intensive use. Cycle time 17-20 s, IP20 Limit switch on-board the motor Limit switch Electromechanical.	
P915137 00002	**2611525**	**PHEBE BT A U IP44**		Electromechanical operator with built-in control panel for overhead garage doors of maximum surface area 8 m² and intensive use with slowdown. Cycle time 17-20 s, IP44 Limit switch Electromechanical. IP44	U-Link
P915137 00003	**2611526**	**PHEBE BT A SQ IP44**		Operator for overhead garage doors of maximum surface area 8 m² and intensive use. Cycle time 17-20 s, IP44 IP44 Limit switch Electromechanical.	
R915150 00002	**2600567**	**PHEBE BT A U KIT ITA**		Kit for up&over garage doors of maximum surface area 8 m². Operator with incorporated panel, slowdown and duty intensive. Manoeuvre time 17-20 s, IP20 Built-in control unit with D-Track Limit switch Electromechanical.	U-Link

VEGA: Display control card for 1 or 2 operators for up-and-over garage doors

VEGA - Built-in

- Application: control panel for one or two overhead garage door operators
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 168W max each operator
- U-Link technology
- Main characteristics: removable terminal blocks, programming with display and incorporated dual channel receiver, anti-crushing, slowdown during opening and closing and electronic self-learning
- Main functions: automatic re-closing, fast closing, pulse blocking, blocking hold
- Compatibility: HYDRA, HYDRA R

VITAL ACCESSORIES



Cp N733299 - **Ci** 2601361
CTBP

Pack of 1800 mm drive tubes and fixing bases for completing the PHEBE N KIT

Cp N733288 - **Ci** 2600101
BLP

Long welding base for PHEBE series operators (L 1600 mm)

Cp N733129 - **Ci** 2601359
CTA2

2 square drive tubes of cross section 20x20 mm and length 200 mm for PHEBE N series operators

Cp N733119 - **Ci** 2601364
CBAS

Straight telescopic arms for the installation of PHEBE series operators on overhead door of length 1000 mm

Cp N733114 - **Ci** 2600480
CBAC

Curved telescopic arms for the installation of PHEBE series operators on overhead door

Cp D412377 - **Ci** 2601362
BCP

Short welding base for PHEBE series operators (L 578 mm)

Cp N733120 - **Ci** 2601012
CTA

2 square drive tubes of cross section 20x20 mm and length 1800 mm for PHEBE N series operators

Cp N733112 - **Ci** 2601363
CBA

Straight telescopic arms for the installation of PHEBE series operators on overhead door

Cp N733113 - **Ci** 2600481
CBASL

Straight telescopic arms for the installation of PHEBE series operators on overhead door of length 1500 mm

Cp N733221 - **Ci** 2610922
CBAC-G

Curved telescopic arms for installation of PHEBE BT A series operators on up-and-over doors

RECOMMENDED ACCESSORIES

Cp D113836 00002 - **Ci** 2607527
VEGA BTL2 QUADRO CPEL

Control panel for one or two overhead garage door operators.

Cp P125042 - **Ci** 2611435
KABP

Battery adapter wiring kit necessary for PHEBE BT A with built-in control unit and for BBT BAT

Cp P115005 - **Ci** 2600817
SM1

External manual release for overhead garage door (1 operator)

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P125007 - **Ci** 2611424
BT BAT1

Emergency battery kit for HYDRA N CPEL, only for external board not compatible with board on motor

Cp P125020 - **Ci** 2600844
BBT BAT

Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE

Cp P115001 - **Ci** 2611374
SM2

External manual release for overhead garage door (2 operators)

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

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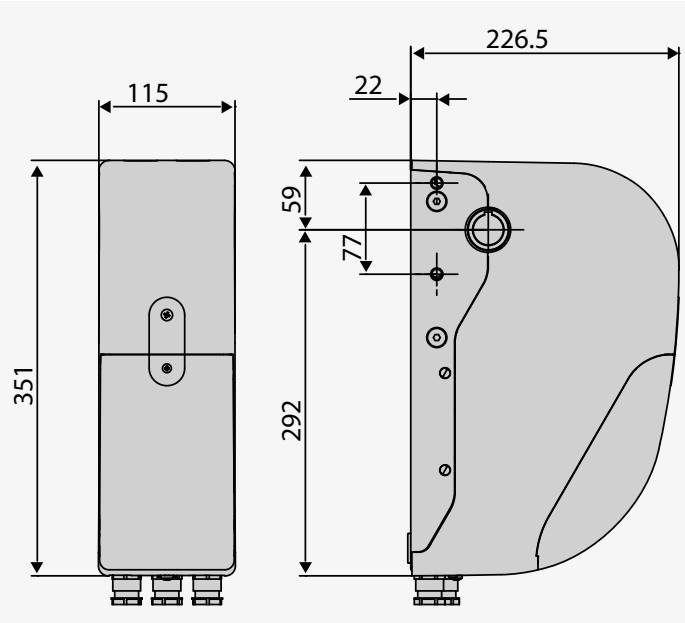
ARGO BT A

er ready
ee link
24 V
d-track
U-Link

24V electromechanical operator for sectional garage doors installable in residential, industrial and commercial environments.
The sturdy mechanical structure and microprocessor technology of the control unit make it possible to use the operator intensively whilst ensuring maximum reliability over time.
In addition, the D-Track torque control system and absolute encoder offer extremely precise control of leaf movement and detection of obstacles.
Exclusive quick programming function of the limit switches from the ground, via remote control.

DIMENSIONS (mm)



TECHNICAL FEATURES

	ARGO BT A 20	ARGO BT A 35
Control unit	VENERE BT A DIS ARGO	VENERE BT A DIS ARGO G
Nominal voltage	24 V	24 V
Power consumption	240 W	240 W
Type of limit switch	Absolute encoder	Absolute encoder
Door surface area	20 m²	35 m²
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Steel cord or cable	Steel cable
Impact reaction	D-Track	D-Track
Frequency of use	very intensive	very intensive
Protection rating	IP20	IP20
Environmental conditions	-15 ÷ 55 °C	-15 ÷ 55 °C

Code	International code	Name		Description	
P925258 00002	2611637	ARGO BT A 20		Operator for sectional doors with a surface area of up to 20 m² and subject to very intensive use. Built-in courtesy light	U-Link
P925260 00002	2611642	ARGO BT A 35		Operator for sectional doors with a surface area of up to 35 m² and subject to very intensive use. Built-in courtesy light	U-Link

VENERE BT A - ARGO BT A20: Control unit with display for 1 x 24 V operator for garage doors

VENERE BT A - ARGO BT A20 - Cp I700091 10001 - Ci 2610739 - Built-in - (Spare part code, available for order through the Technical Support network)

- Control unit with display for 1 x 24 V operator for garage doors
- Panel power supply: 230 V, single-phase
- Power supply to motor and accessories: 24 V
- Main features: built-in four-channel receiver, D-Track anti-crushing system, soft opening and closing
- Main functions: automatic re-closing, automatic torque control
- Programming with display
- U-Link protocol
- Exclusive anti-intruder function.

VENERE BT A - ARGO BT A35: Control unit with display for 1 x 24 V operator for garage doors

VENERE BT A - ARGO BT A35 - Cp I700092 10001 - Ci 2610740 - Built-in - (Spare part code, available for order through the Technical Support network)

- Control unit with display for 1 x 24 V operator for garage doors
- Panel power supply: 230 V, single-phase
- Power supply to motor and accessories: 24 V
- Main features: built-in four-channel receiver, D-Track anti-crushing system, soft opening and closing
- Main functions: automatic re-closing, automatic torque control
- Programming with display
- U-Link protocol
- Exclusive anti-intruder function.

RECOMMENDED ACCESSORIES

Cp N999592 - **Ci** 2611131
CKK

Pack of mounting tabs for ARGO and ARGO G

Cp N733955 - **Ci** 2604014
SAFM

Cable release for ARGO, length 3.5 m.

Cp N733956 - **Ci** 2604015
SAFM L

Cable release for ARGO, length 7 m.

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp N733148 - **Ci** 2600920
COR 30

Z30 gear kit with accessories for industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733149 - **Ci** 2610911
COR 40

Z40 gear kit with accessories for industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733338 - **Ci** 2600566
PIG 12/ULISSE S

Z12 pinion gear for reduction on industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733336 - **Ci** 2610933
PIG 14/ULISSE S

Z14 pinion gear for reduction on industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733339 - **Ci** 2600966
PIG 18/ULISSE S

Z18 pinion gear for reduction on industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733337 - **Ci** 2600565
PIG 30/ULISSE S

Z30 pinion gear for reduction on industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733421 - **Ci** 2600967
RCA

Lever release with steel cable, length 3,5 m. Compatible with BOX.

Cp N733422 - **Ci** 2600457
RCAL

Lever release with steel cable, length 7 m. Compatible with BOX.

Cp N574039 - **Ci** 2610798
BOX

Wall cabinet for release with steel cable and electric control; cable not included

Cp P125005 - **Ci** 2600078
BT BAT

Back-up battery kit for HYDRA N, ARGO, VENERE BT A DIS

Cp P111407 - **Ci** 2601360
FALCON

Industrial presence sensor installable up to 7 m.

Cp Code
Ci International code

U-Link
new New
Ph Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

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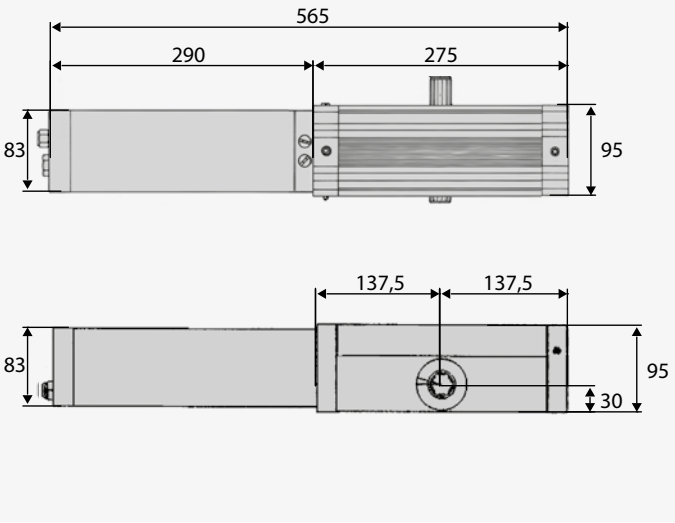
BERMA

ee link
er ready
U-Link

Hydraulic operator for very intensive use for overhead garage doors.
Designed for the toughest conditions of use, it combines strength and the typical reliability of hydraulic operators.

DIMENSIONS (mm)



TECHNICAL FEATURES

	BERMA	BERMA SEB	BERMA R	BERMA SEB R	BERMA SA R
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Nominal voltage	230 V	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W	250 W
Slowdown	no	no	Hydraulic	Hydraulic	Hydraulic
Door surface area	9 m²	9 m²	9 m²	9 m²	9 m²
Locking	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Release	knob	lever for steel cable	knob	lever for steel cable	automatic
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IPX5	IPX5	IPX5	IPX5	IPX5
Environmental conditions	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C

Code	International code	Name		Description
P915006 00001	2611515	BERMA		Hydraulic operator for overhead garage doors of maximum surface area 9 m^2 and very intensive use. knob release
P915103 00001	2613253	BERMA SEB		Hydraulic operator for overhead garage doors of maximum surface area 9 m^2 and very intensive use. lever for steel cable release
P915007 00001	2611516	BERMA R		Hydraulic operator for overhead garage doors of maximum surface area 9 m^2 and very intensive use. knob release and hydraulic slowdown
P915105 00001	2611520	BERMA SEB R		Hydraulic operator for overhead garage doors of maximum surface area 9 m^2 and very intensive use. lever for steel cable release and hydraulic slowdown
P915009 00001	2600849	BERMA SA R		Hydraulic operator for overhead garage doors of maximum surface area 9 m^2 and very intensive use. automatic release and hydraulic slowdown

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators

Cp D113833 00002 - **Ci** 2600589 - RIGEL 6 220-230V 50/60HZ - **Recommended**

- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators , weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

VITAL ACCESSORIES

Cp D114092 00002 - **Ci** 2601365
ALCOR AC A

Control unit with on-board receiver - no display - Standard terminal block

Cp N733040 - **Ci** 2610890
CA2

Straight arm accessories for installation of two BERMA series operators on overhead door

Cp N733042 - **Ci** 2610892
CAS1

Straight arm accessories for installation of one Berma operator L = 1000 mm Spain version

Cp N733048 - **Ci** 2610893
CAS2

Straight arm accessories for installation of two Berma operators L = 1000 mm Spain version

Cp N733038 - **Ci** 2601334
CA1

Straight arm accessories for installation of one BERMA series operator on overhead door of 4 m max width

Cp N733041 - **Ci** 2610891
CA2C

Accessories for the installation of two BERMA series operators on overhead door (curved arms)

Cp N733074 - **Ci** 2610896
CAS1L

Straight arm accessories for installation of one Berma operator L = 1500 mm Spain version

Cp N733075 - **Ci** 2600787
CAS2L

Straight arm accessories for installation of two Berma operators L = 1500 mm Spain version

RECOMMENDED ACCESSORIES

Cp D113680 00002 - **Ci** 2600108
ALPHA SD

Universal control panel with potentiometers for one 230V/500W single-phase operator

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp N733020 - **Ci** 2601471
SEB

External key release for BERMA, FORB, IGEA LB and IGEA LB BT

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

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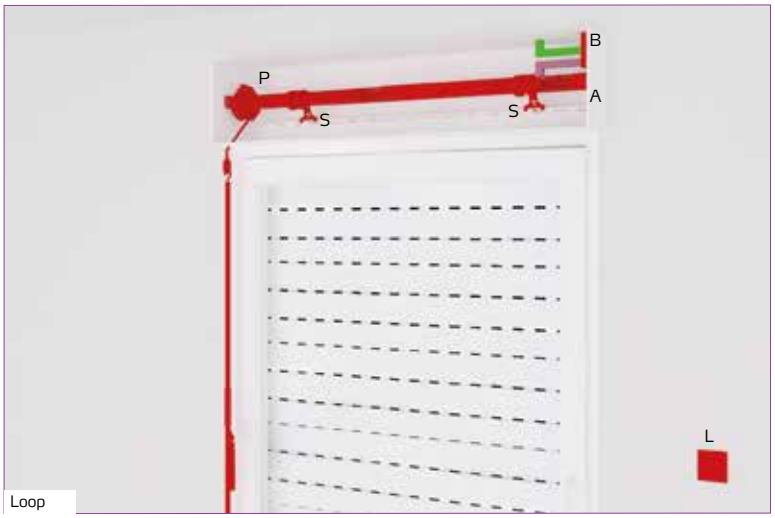
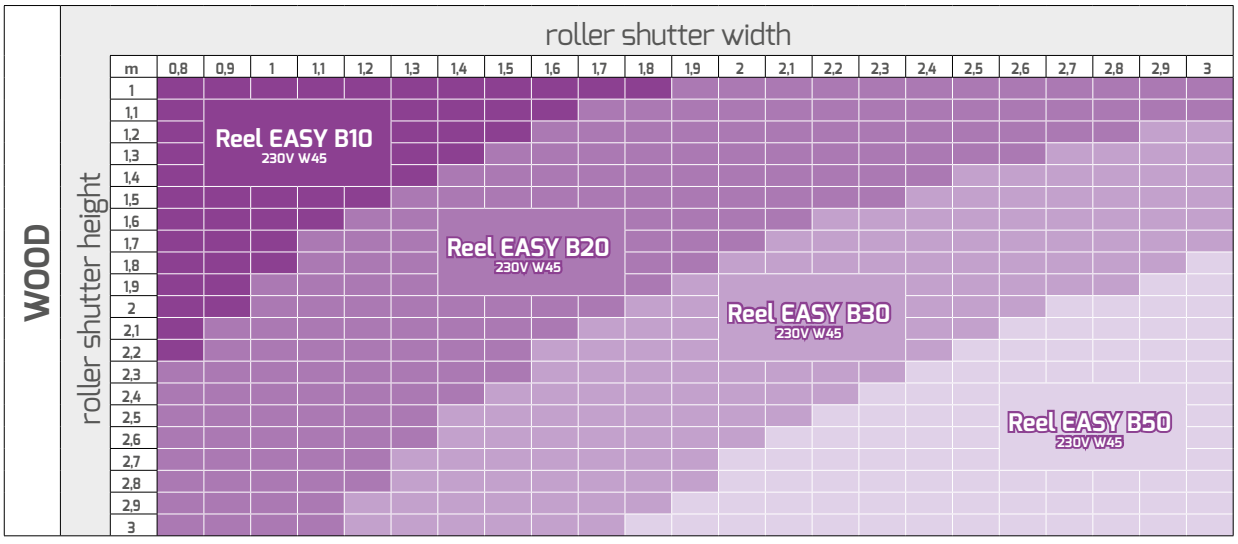
Guide to choosing

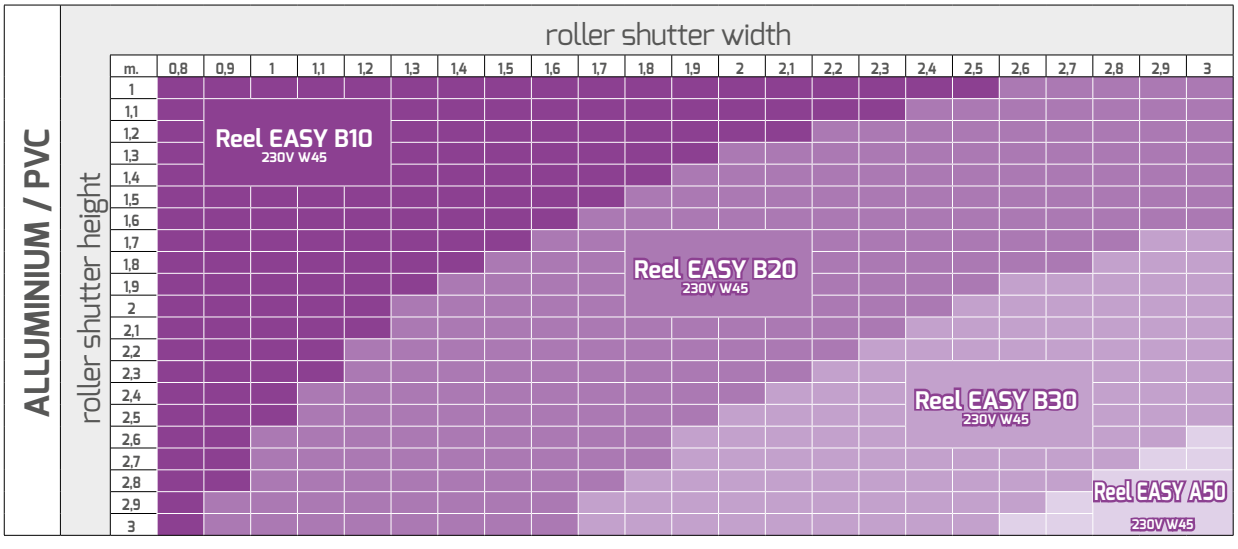
Motor power supply	Outer diameter	Actuator weight	Frequency of use	Kit	Model
ROLL-UP					
230 V	60 mm	2,1 kg	Residential	-	REEL EASY B10 230V W45
		2,2 kg		-	REEL EASY B20 230V W45
		2,75 kg		-	REEL EASY B30 230V W45
		2,8 kg		-	REEL EASY B50 230V W45

Installation guide



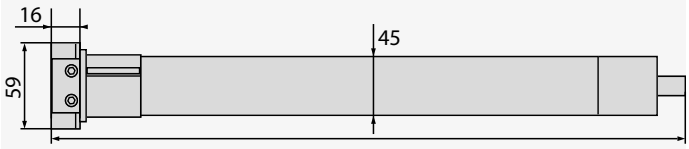
A	Operator
B	Control unit
L	Control system (key selector switch, keypad, badge reader)
S	Anti-break-in blocks
	3x1,5
	13x1





The Reel range consists of a complete offer of wire tubular motors, with electromechanical limit switches.
A complete set of accessories and versions make the Reel range the ideal solution for first-time installations and refurbishments.

DIMENSIONS (mm)



REEL EASY **B10** 230 **W**45 = 516
REEL EASY **B20** 230 **W**45 = 546
REEL EASY **B30** 230 **W**45 = 591
REEL EASY **B50** 230 **W**45 = 591

TECHNICAL FEATURES

	REEL EASY B10 230V W45	REEL EASY B20 230V W45	REEL EASY B30 230V W45	REEL EASY B50 230V W45
Motor power supply	230 V	230 V	230 V	230 V
Power consumption	125 W	180 W	235 W	285 W
Outer diameter	60 mm	60 mm	60 mm	60 mm
N° limit switch revolutions	28	28	28	28
Type of end switch	Mechanical	Mechanical	Mechanical	Mechanical
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Frequency of use	Residential	Residential	Residential	Residential
Protection rating	IP44	IP44	IP44	IP44
Environmental conditions	-10 ÷ 40 °C	-10 ÷ 40 °C	-10 ÷ 40 °C	-10 ÷ 40 °C

Code	International code	Name	Description
P910052 00001	**2611511**	**REEL EASY B10 230V W45**	Wired operator for roller shutters. Max shutter weight 18 kg. max torque 10 Nm and power input 125 W. Shaft rotation speed 16 Rpm
P910052 00002	**2611512**	**REEL EASY B20 230V W45**	Wired operator for roller shutters. Max shutter weight 35 kg. max torque 20 Nm and power input 180 W. Shaft rotation speed 16 Rpm
P910052 00003	**2611513**	**REEL EASY B30 230V W45**	Wired operator for roller shutters. Max shutter weight 55 kg. max torque 30 Nm and power input 235 W. Shaft rotation speed 16 Rpm
P910052 00004	**2611514**	**REEL EASY B50 230V W45**	Wired operator for roller shutters. Max shutter weight 88 kg. max torque 50 Nm and power input 285 W. Shaft rotation speed 12 Rpm

RECOMMENDED ACCESSORIES

Cp P111515 - **Ci** 2611267
SHEDIR B CBC 02 L01
Control unit for wired centralisation. For 2 operators (or 2 groups of operators)

Cp D113831 - **Ci** 2601024
MIME TX
Two-channel miniaturized 433 Mhz transmitter

Ph. Out **Cp** P111183 - **Ci** 2611227
CREP
Twilight sensor

Cp N999325 - **Ci** 2611086
SM5014
Wall support for operators with square snap pin and split pin for direct coupling, suitable for all operators (from 10Nm to 50Nm).

Cp P130012 - **Ci** 2611446
RUL 60/3
Octagonal shutter winding roller Ø60 mm x 3 m.

Ph. Out **Cp** P130013 - **Ci** 2611447
BLOCCANTI 50
Anti-break-in block for shutters with slats of height 50 mm.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2
2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P121028 - **Ci** 2600242
MIME PAD
4-channel wall-mounted radio control with rolling code

Cp P111376 - **Ci** 2601005
SCS 1
Expansion card

Ph. Out **Cp** P111182 - **Ci** 2611226
ANEM
Anemometric sensor with encoder for wind

Cp P130002 - **Ci** 2611440
CAL 60/100
Adjustable telescopic octagonal cover for RUL 60.

Ph. Out **Cp** P130001 - **Ci** 2611439
BLOCCANTI 40
Anti-break-in block for shutters with slats of height 40 mm.

Cp D113824 - **Ci** 2600588
MIME AC
433 MHz 2-channel indoor receiver 2 independent outputs 230 Vac power supply 30-position memory Operating mode: monostable, bistable, timed, motor control

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4
4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

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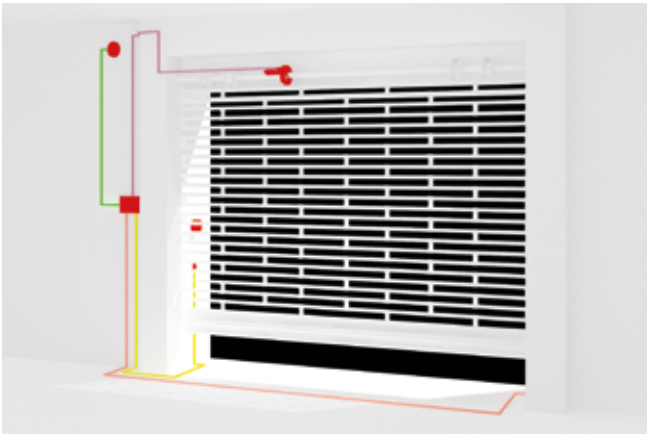
Guide to choosing

Shaft diameter	Spring holder diameter	Maximum torque	Power supply	Kit	Model	Plus
ROLLER SHUTTER						
60 mm	200 mm	130 Nm	230 V	-	WIND RMB 130B 200-230	Adapters for spring holders and shaft included in pack
				-	WIND RMB 130B 200-230 EF	Adapters for spring holders and shaft included in the package.
		170 Nm		-	WIND RMB 170B 200-230	Adapters for spring holders and shaft included in pack
				-	WIND RMB 170B 200-230 EF	Adapters for spring holders and shaft included in pack
		357 Nm		-	WIND RMB 350B 200-230 EF	Adapters for spring holders and shaft included in the package.
76 mm	240 mm	226 Nm		-	WIND AC A230/240-76 EF 230V	
		476 Nm		-	WIND AC A470/240-76 EF 230V	

Installation guide



A	Operator
B	Control unit
D	Receiver
E	Photocell
L	Control devices
N	Junction box
	3x1,5
	2x1
	9x0,5
	14x0,5

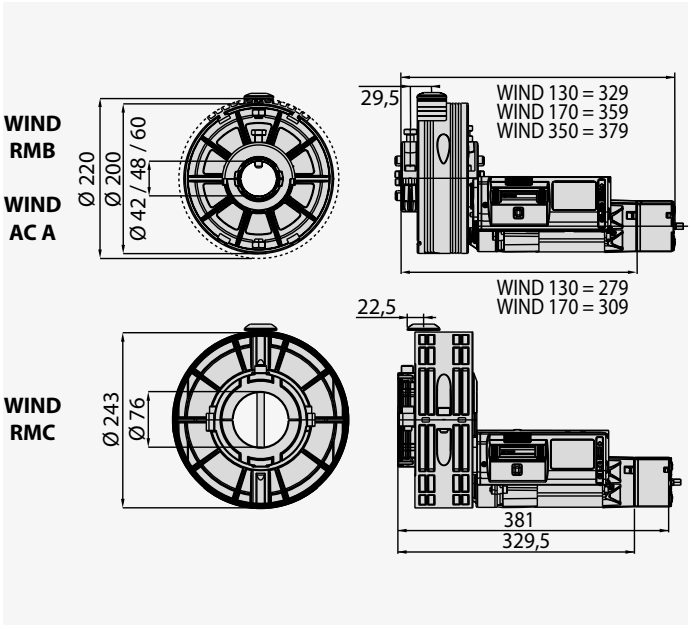
Control units shutter doors

	LUNA AC B 230V 50/60HZ
BASIC CHARACTERISTIS	
Motors	2
Maximum output	1200 W
Board power supply	220-230 V
Max. n. transmitters	63
Programming	DIP+TRIMMER
External buttons	●
Power supply accessories	24V - 0,07A
CONFIGURATION OF SAFETY INPUTS	
Light sensor	●
Safety edge	●
Resistive edge	●
Tested safety edge	●
Stop	●
CONFIGURATION OF CONTROL INPUTS	
Start	●
Open	●
Close	●
OUTPUTS	
Blinker	230V - 80W
LOGICS	
Photocell/Photocell closing	●
Deadman	●
2 steps	●
4 steps	●
PARAMETERS	
Automatic Closing Time (TCA)	

WIND RM

230V operators for roller shutters with maximum torque up to 445 Nm. Suitable for mounting on shutters with pulley diameter of 200, 220, 240 and 280mm shaft diameter 42, 48, 60, 76 and 101mm. Available in versions with or without electric brake.

DIMENSIONS (mm)



TECHNICAL FEATURES

	WIND RMB 130B 200-230	WIND RMB 130B 200-230 EF	WIND RMB 170B 200-230	WIND RMB 170B 200-230 EF
Control unit	LUNA AC B	LUNA AC B	LUNA AC B	LUNA AC B
Power supply	230 V	230 V	230 V	230 V
Power consumption	400 W	400 W	600 W	600 W
Shaft diameter	60 mm	60 mm	60 mm	60 mm
Spring holder diameter	200 mm	200 mm	200 mm	200 mm
Maximum torque	130 Nm	130 Nm	170 Nm	170 Nm
Rotation speed	10 Rpm	10 Rpm	10 Rpm	10 Rpm
Type of end switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Locking	no	Electric brake	no	Electric brake
Impact reaction	no	no	no	no
Protection rating	IP20	IP20	IP20	IP20
Environmental conditions	-10 ÷ 40 °C	-10 ÷ 40 °C	-10 ÷ 40 °C	-10 ÷ 40 °C

	WIND RMB 350B 200-230 EF	WIND AC A230/240-76 EF 230V	WIND AC A470/240-76 EF 230V
Control unit	LUNA AC B	LUNA AC B	LUNA AC B
Power supply	230 V	230 V	230 V
Power consumption	1200 W	630 W	1260 W
Shaft diameter	60 mm	76 mm	76 mm
Spring holder diameter	200 mm	240 mm	240 mm
Maximum torque	357 Nm	226 Nm	476 Nm
Rotation speed	10 Rpm	9,5 Rpm	9,5 Rpm
Type of end switch	Electromechanical	Electromechanical	Electromechanical
Locking	Electric brake	Electric brake	Electric brake
Impact reaction	no	no	no
Protection rating	IP20	IP20	IP20
Environmental conditions	-10 ÷ 40 °C	-10 ÷ 40 °C	-10 ÷ 40 °C

Code	International code	Name		Description
P910041 00002	**2611493**	**WIND RMB 130B 200-230**		Operator for roller shutters with spring shaft pulley diameter 200 mm. Maximum torque 130 Nm and power consumption of 400 W. Reversible. Adapters for spring holders and shaft included in pack
P910042 00002	**2611494**	**WIND RMB 130B 200-230 EF**		Operator for roller shutters with spring shaft pulley diameter 200 mm. Maximum torque 130 Nm and power consumption of 400 W. Release with steel cable and knob for electric brake. Adapters for spring holders and shaft included in the package.
P910043 00002	**2611496**	**WIND RMB 170B 200-230**		Operator for roller shutters with spring shaft pulley diameter 200 mm. Maximum torque 170 Nm and power consumption of 600 W. Reversible. Adapters for spring holders and shaft included in pack
P910044 00002	**2611498**	**WIND RMB 170B 200-230 EF**		Operator for roller shutters with spring shaft pulley diameter 200 mm. Maximum torque 170 Nm and power consumption of 600 W. Release with steel cable and knob for electric brake. Adapters for spring holders and shaft included in pack
P910046 00002	**2611501**	**WIND RMB 350B 200-230 EF**		Operator for roller shutters with spring shaft pulley diameter 200 mm. Maximum torque 357 Nm and power consumption of 1200 W. Release with steel cable and knob for electric brake. Adapters for spring holders and shaft included in the package.
P910053 00002	**2613299**	**WIND AC A230/240-76 EF 230V**		Operator for roller shutters with spring shaft pulley diameter 240 mm. Maximum torque 226 Nm and power consumption of 630 W. Release with steel cable and knob for electric brake.
P910054 00002	**2613344**	**WIND AC A470/240-76 EF 230V**		Operator for roller shutters with spring shaft pulley diameter 240 mm. Maximum torque 476 Nm and power consumption of 1260 W. Release with steel cable and knob for electric brake.

LUNA AC B 230V 50/60HZ: Control board for 230V and 1200W operator for rolling shutters.

Cp D114183 00002 - **Ci** 2612342 - **LUNA AC B 230V 50/60HZ** - **Recommended**

- Control board for 230V and 1200W operator for rolling shutters.
- Main characteristics: Dedicated output for the blinker, availability of open, start, photocell and safety edge (tested) inputs, antenna and receiver integrated
- Logic and regulations: adjustable working time, option of selecting the kind of safety edge (N.C. contact/8K2 resistance) selectable, wireless memorizing of transmitters CLONE and REPLAY, operation in line with 2 or 4 step logic, exclusion of photocell active when opening, hold to run mode available.

RECOMMENDED ACCESSORIES

Cp P111515 - **Ci** 2611267
SHEDIR B CBC 02 L01
Control unit for wired centralisation. For 2 operators (or 2 groups of operators)

Cp P111782 - **Ci** 2601411
COMPACTA A20-180
Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp N574039 - **Ci** 2610798
BOX
Wall cabinet for release with steel cable and electric control; cable not included

Cp N999510 - **Ci** 2611119
X EF1
Electric brake for Wind Rmc and Rmb 230V

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

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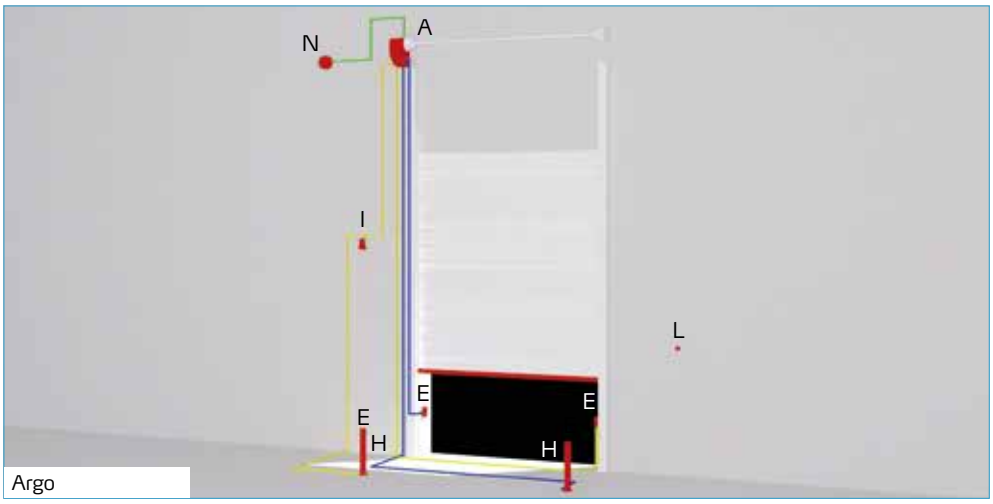
Automation systems for industrial sectional doors and folding doors

Guide to choosing

Door surface area	Nominal voltage	Frequency of use	Kit	Model	Plus
industrial sectional doors					
20 m²	230 V	Semi intensive	-	PEGASO BCJA620L01	Absolute encoder limit switch
			-	PEGASO BCJA620L11	Absolute encoder limit switch
25 m²			-	PEGASO BCJA625L01	Absolute encoder limit switch
			-	PEGASO BCJA625L02	Absolute encoder limit switch
			-	PEGASO BCJA625L11	Absolute encoder limit switch
			-	PEGASO BCJA625L12	Absolute encoder limit switch
45 m²	400 V	intensive	-	PEGASO BCJA645W01	Absolute encoder limit switch
			-	PEGASO BCJA645W02	Absolute encoder limit switch
			-	PEGASO BCJA645W11	Absolute encoder limit switch
industrial folding doors					
-	24 V	Semi intensive	-	IGEA LB BT	D-Track
	230 V		-	IGEA LB	Electric clutch
2,4 m²		very intensive	-	FORB R	Hydraulic slowdown
			-	FORB ERSA	Hydraulic slowdown
6 m²			-	FORB	Hydraulic protection against crushing

Installation guide



Argo

A	Operator
B	Control unit
D	Receiver
E	Photocell
G	Sensitive edge
H	Post
I	Blinker
L	Control system (key selector switch, keypad, badge reader)
N	Junction box
	2x1,5
	6x1
	3x1,5
	RG 58
	5x1
	2x1
	4x2,5

Control units sectional and folding industrial doors

	ALENA SW2	LEO B CBB L01	RIGEL 6 220-230V 50/60HZ	THALIA P	THALIA
BASIC CHARACTERISTIS					
Motors	1	1	2	2	2
Maximum output	400+400 W	750 W	750 W	240+240 W	180+180 W
Connectivity		●	●	●	●
eelink		●	●	●	●
erready	●	No	●	●	●
Board power supply	220-230 V	220-230 V	220-230 V	220-230 V	220-230 V
Max. n. transmitters	63		63	63	63
Programming	DIP+TRIMMER	DISPLAY	DISPLAY	DISPLAY	DISPLAY
Autoset		●	●	●	●
Password		●	●	●	●
Power supply accessories	24V - 0,2A	24V - 0,36A	24V - 1A	24V - 1A	24V - 1A
ADVANCED FEATURES					
Separate safety inputs	●	●	●	●	●
Obstacle detection		No	●	●	●
Obstacle sensitivity		No	●		
Electronic torque adjustment		●	●	●	●
Separate limit switch inputs		No	●	●	●
Motor pre-heating		No	●		
Clock/Calendar		No	●		
DIAGNOSTICS					
Error diagnostics	LED	DISPLAY	DISPLAY	DISPLAY	DISPLAY
CLAMPS					
Optional card		●	●	●	●
External programming		●	●	●	●
Temperature sensor		No	●		
Antenna	●	●	●	●	●
CONFIGURATION OF SAFETY INPUTS					
Light sensor	●	●	●	●	●
Safety edge	●	●	●	●	●
Resistive edge	●	●	●	●	●

Cp **Code**

Ci **International code**

U-Link

New

Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
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control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

Control units sectional and folding industrial doors

	ALENA SW2	LEO B CBB L01	RIGEL 6 220-230V 50/60HZ	THALIA P	THALIA
Tested photocell	●	●	●	●	●
Tested safety edge	●	●	●	●	●
Stop	●	●	●	●	●
LIMIT SWITCH FOR INPUTS					
Limit switch for closing	●	No	●	●	●
Limit switch for opening	●	No	●	●	●
CONFIGURATION OF CONTROL INPUTS					
Start	●	●	●	●	●
Traffic light control		●	●	●	●
Open	●	●	●	●	●
Close		●	●	●	●
Pedestrian open		●	●	●	●
Open with timer		●	●	●	●
Pedestrian open with timer		●	●	●	●
OUTPUTS					
Blinker	230V - 40W	230V - 40W	230V - 80W	24V - 1A	24V - 1A
Configurable AUX 1	No	No	●	230 - 5A	No
Configurable AUX 2	No	No	●	230 - 5A	No
Configurable AUX 3	No	24V - 0,125A	●	24V - 1A	24V - 1A
Solenoid Lock	No	No	12V	12/24V	No
OUTPUTS CONFIGURATION					
Gate open warning light		No	●	●	●
Courtesy light		No	●	●	●
Zone light		No	●	●	●
Stairs light		No	●	●	●
Gate open alarm		No	●	●	●
Blinker		No	●	●	●
Electric release lock		No	●	●	●
Electric magnetic lock		No	●	●	●
Maintenance		No	●	●	●
Flashing + Maintenance		No	●	●	●
Tamper-proof		No			
Gate status		No	●		
Bistable radio channel		No	●		
Time delay radio channel		No	●		
LOGICS					
Residential/Condominium	●	No	SI non in logiche	SI non in logiche	SI non in logiche
Photocell/Photocell closing	●	●	●	●	●
Check Photocell input	●	No	●	●	
Safefy edge/Resistive edge	●	No	●	●	
Check safety edge input	●	No	●	●	
Operation Photocell input	●	No	●	●	
Pulse blocking		●	●	●	●
Pulse blocking opening		●	●	●	●
Pulse blocking TCA		No	●	●	●
Pulse blocking closing		No	●	●	●
Reversing stroke		No			
Reversing stroke opening		No	●	●	●
Reversing stroke closing		No	●	●	●
Maintain lock		No	●	●	●
Pedestrian opening		●	●	●	●
Quick closing	●	No	●	●	●
Pre-alarm		●	●	●	●
Deadman		●	●	●	●
Emergency deadman	No	No	●	●	●
One motor active		No	●	●	●
Brake		No	●		
ICE feature		No		●	●
Choose motor type		No		●	●

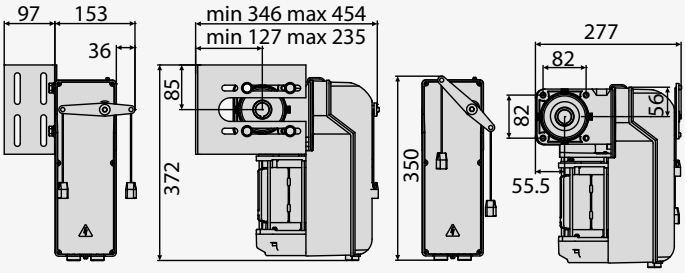
Control units sectional and folding industrial doors

	ALENA SW2	LEO B CBB L01	RIGEL 6 220-230V 50/60HZ	THALIA P	THALIA
Inversion motor phase shift		No		●	●
master/slave		●	●	●	●
2 steps		●	●	●	●
3 steps		●	●	●	●
4 steps	●	●	●	●	●
PARAMETERS					
Automatic Closing Time (TCA)		●			
work time	5-120 s	No	3-180 s	No	No
Opening delay time	No s	No s	0-30 s	0-10 s	0-10 s
Closing delay time	No	No	0-30 s	0-25 s	0-25 s
Leaf force	No	1-99%	1-99%	1-99%	1-99%
Leaf force slowdown	No	No	1-99%	No	No
Slowdown Time	No	No	0-30 s	No	No
Slowdown Speed		No			
Slowdown Space Opening	No	No	No	0-50%	0-50%
Slowdown Space Closing	No	No	No	0-50%	0-50%
Deceleration Space	No	No	No	0-50%	0-50%
Inversion Cut-Off Space		0-200			
Pedestrian opening	No	1-99%	3-90 s	10-99%	10-99%
Number of Movements Programming	No	0-250	0-250	No	No
Time to Clear Traffic Light Area	No	No	1-180 s	1-180 s	1-180 s
Brake	No	No	0-99%	No	No
Emergency Brake	No	No	0-99%	No	No
Opening Speed		No			
Closing Speed		No			
Output Time Delay Activation Time	No	No	1-240 s	No	No
Pre-heating	No	No	0-99%	No	No
Obstacle Sensitivity		No			

PEGASO B CJA AUTO

Electromechanical operator for semi-intensive use, for automation of industrial sectional doors up to 25 m² (Pegaso B Cja 625) or up to 45 m².
Max. opening speed 24rpm and max. torque 70Nm (Pegaso B Cja625); max. opening speed 24rpm and max. torque 100Nm (Pegaso B Cja 645).
Limit switches with absolute encoder, with the possibility of rapid adjustment from floor.

DIMENSIONS (mm)



TECHNICAL FEATURES

	PEGASO BCJA620L01	PEGASO BCJA625L01	PEGASO BCJA625L02	PEGASO BCJA645W01	PEGASO BCJA645W02
Control unit	LEO B CBB L01	LEO B CBB L01	LEO B CBB L01	LEO B CBB W01	LEO B CBB W01
Nominal voltage	230 V	230 V	230 V	400 V	400 V
Power consumption	750 W	750 W	750 W	980 W	980 W
Max surface area	20 m²	25 m²	25 m²	45 m²	45 m²
Shaft diameter	25,4 mm	25,4 mm	25,4 mm	25,4 mm	25,4 mm
Door surface area	20 m²	25 m²	25 m²	45 m²	45 m²
Travel	18	18	18	18	18
Type of limit switch	Absolute encoder	Absolute encoder	Absolute encoder	Absolute encoder	Absolute encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Chain release	Chain release	Double cable release	Chain release	Double cable release
Frequency of use	Semi intensive	Semi intensive	Semi intensive	intensive	intensive
Protection rating	IP54	IP54	IP55	IP54	IP55
Environmental conditions	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C

Code	International code	Name		Description
P925205 00003	2611574	PEGASO BCJA620L01		Automatic electromechanical operator for industrial sectional doors with max surface area 20 m² and use Semi intensive. Power supply 230 V. max speed 33 Rpm. max torque 50 Nm. Chain release. IP54 Absolute encoder limit switch
P925203 00004	2611565	PEGASO BCJA625L01		Automatic electromechanical operator for industrial sectional doors with max surface area 25 m² and use Semi intensive. Power supply 230 V. max speed 24 Rpm. max torque 70 Nm. Chain release. IP54 Absolute encoder limit switch
P925204 00004	2611571	PEGASO BCJA625L02		Automatic electromechanical operator for industrial sectional doors with max surface area 25 m² and use Semi intensive. Power supply 230 V. max speed 24 Rpm. max torque 70 Nm. Double cable release. IP55 Absolute encoder limit switch
P925203 00005	2611566	PEGASO BCJA645W01		Automatic electromechanical operator for industrial sectional doors with max surface area 45 m² and use intensive. Power supply 400 V. max speed 24 Rpm. max torque 100 Nm. Chain release. IP54 Absolute encoder limit switch
P925204 00005	2600851	PEGASO BCJA645W02		Automatic electromechanical operator for industrial sectional doors with max surface area 45 m² and use intensive. Power supply 400 V. max speed 24 Rpm. max torque 100 Nm. Double cable release. IP55 Absolute encoder limit switch

LEO B CBB L01: U-Link control board for Pegaso B Cja single-phase operators

Cp D113767 00002 - **Ci** 2607497 - LEO B CBB L01 - **Recommended**

- U-Link control board for Pegaso B Cja single-phase operators
- Application: control panel for one operator PEGASO B CJA monophase series
- Card power supply: 230 V single-phase
- Operator power supply: 230V monophase

LEO B CBB W01: Control board for PEGASO CJA three-phase operators

Cp D113768 00002 - **Ci** 2600248 - LEO B CBB W01 - **Recommended**

- Application: control unit for 1 Pegaso B Cja series three-phase operator Board power supply: 400V three-phase Operator power supply: 400V three-phase
- Application: control unit for PEGASO B CJA three-phase operators
- Board power supply: 400V three-phase
- Operator power supply: 400V three-phase

VITAL ACCESSORIES

Cp D121674 - **Ci** 2600957
PEGASO CABLE ENC 5

Pre-wired connection cable between operator and external control unit for the management of encoder. Lenght 5 m

Cp D121675 - **Ci** 2607584
PEGASO CABLE ENC 10

Pre-wired connection cable between operator and external control unit for the management of encoder. Lenght 10 m

Cp D121679 - **Ci** 2600956
PEGASO CABLE AUTO 5N

Pre-wired connection cable between PEG INT and external control unit electric power supply. Length 5 m

Cp D121680 - **Ci** 2607585
PEGASO CABLE AUTO 10N

Pre-wired connection cable between PEG INT and external control unit electric power supply. Length 10 m

RECOMMENDED ACCESSORIES

Cp D111662 - **Ci** 2600152
CLONIX 2

Two-channel receiver with plug 433 MHz rolling code. 128 position memory. 24 Vac power supply.

Cp D111664 - **Ci** 2600153
CLONIX 2 2048

Dual channel 433 MHz rolling code plug-in receiver. 2048-position memory 24 Vdc Vac power supply.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp D121631 - **Ci** 2607575
PEGASO CABLE MONO

Pre-wired power supply cable for PEGASO single phase operators. Length 1 m

RECOMMENDED ACCESSORIES

Cp D121632 - **Ci** 2607576
PEGASO CABLE TRI

Pre-wired power supply cable for PEGASO three-phase operators. Length 1 m

Cp N999468 - **Ci** 2611113
PEG CCP

Extension for PEGASO C operators release chain. Length 4 m

Cp N733338 - **Ci** 2600566
PIG 12/ULISSE S

Z12 pinion gear for reduction on industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733336 - **Ci** 2610933
PIG 14/ULISSE S

Z14 pinion gear for reduction on industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733339 - **Ci** 2600966
PIG 18/ULISSE S

Z18 pinion gear for reduction on industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733337 - **Ci** 2600565
PIG 30/ULISSE S

Z30 pinion gear for reduction on industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733148 - **Ci** 2600920
COR 30

Z30 gear kit with accessories for industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733149 - **Ci** 2610911
COR 40

Z40 gear kit with accessories for industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733121 - **Ci** 2610906
SFZ

Additional fixing bracket kit. To be used on chain drive installations.

Cp N733449 - **Ci** 2600989
PEGASO ADA

PEGASO ADA adapter for installation on doors with 1"1/4 shaft

Cp P111407 - **Ci** 2601360
FALCON

Industrial presence sensor installable up to 7 m.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
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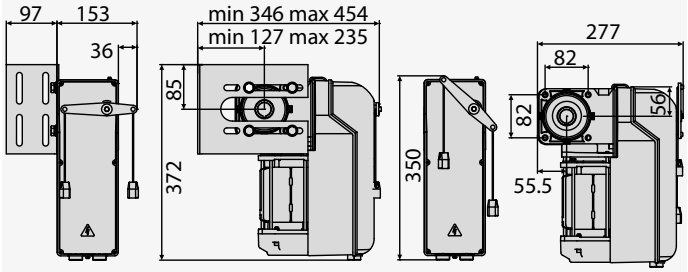
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

PEGASO B CJA UP

Electromechanical operator for semi-intensive use, for automation of industrial sectional doors up to 25 m² (Pegaso B Cja 625) or up to 45 m².
Max. opening speed 24rpm and max. torque 70Nm (Pegaso B Cja625); max. opening speed 24rpm and max. torque 100Nm (Pegaso B Cja 645).
Dead man switch
Limit switches with absolute encoder, with the possibility of rapid adjustment from floor.

DIMENSIONS (mm)



TECHNICAL FEATURES

	PEGASO BCJA620L11	PEGASO BCJA625L11	PEGASO BCJA625L12	PEGASO BCJA645W11
Nominal voltage	230 V	230 V	230 V	400 V
Power consumption	750 W	750 W	750 W	980 W
Max surface area	20 m²	25 m²	25 m²	45 m²
Shaft diameter	25,4 mm	25,4 mm	25,4 mm	25,4 mm
Door surface area	20 m²	25 m²	25 m²	45 m²
Travel	18	18	18	18
Type of limit switch	Absolute encoder	Absolute encoder	Absolute encoder	Absolute encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Chain release	Chain release	Double cable release	Chain release
Frequency of use	Semi intensive	Semi intensive	Semi intensive	intensive
Protection rating	IP54	IP54	IP55	IP54
Environmental conditions	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C

Code	International code	Name		Description
P925205 00004	**2611575**	**PEGASO BCJA620L11**		Electromechanical operator, deadman, for industrial sectional doors with max surface area 20 m^2 and use Semi intensive. Power supply 230 V. max speed 33 Rpm. max torque 50 Nm. Chain release. IP54 Absolute encoder limit switch
P925203 00006	**2611567**	**PEGASO BCJA625L11**		Electromechanical operator, deadman, for industrial sectional doors with max surface area 25 m^2 and use Semi intensive. Power supply 230 V. max speed 24 Rpm. max torque 70 Nm. Chain release. IP54 Absolute encoder limit switch
P925204 00006	**2611572**	**PEGASO BCJA625L12**		Electromechanical operator, deadman, for industrial sectional doors with max surface area 25 m^2 and use Semi intensive. Power supply 230 V. max speed 24 Rpm. max torque 70 Nm. Double cable release. IP55 Absolute encoder limit switch
P925203 00007	**2611568**	**PEGASO BCJA645W11**		Electromechanical operator, deadman, for industrial sectional doors with max surface area 45 m^2 and use intensive. Power supply 400 V. max speed 24 Rpm. max torque 100 Nm. Chain release. IP54 Absolute encoder limit switch

RECOMMENDED ACCESSORIES

Cp D121631 - **Ci** 2607575
PEGASO CABLE MONO

Pre-wired power supply cable for PEGASO single phase operators. Length 1 m

Cp D121624 - **Ci** 2607573
PEGASO UP CONTROL 5

Cable with pre-wired OPEN - STOP - CLOSE keypad for PEGASO UP operators. For adjusting motor limit switches from floor level. Length 5 m

Cp N999468 - **Ci** 2611113
PEG CCP

Extension for PEGASO C operators release chain. Length 4 m

Cp N733336 - **Ci** 2610933
PIG 14/ULISSE S

Z14 pinion gear for reduction on industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733337 - **Ci** 2600565
PIG 30/ULISSE S

Z30 pinion gear for reduction on industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733149 - **Ci** 2610911
COR 40

Z40 gear kit with accessories for industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733449 - **Ci** 2600989
PEGASO ADA

PEGASO ADA adapter for installation on doors with 1"1/4 shaft

Cp D121632 - **Ci** 2607576
PEGASO CABLE TRI

Pre-wired power supply cable for PEGASO three-phase operators. Length 1 m

Cp D121625 - **Ci** 2607574
PEGASO UP CONTROL 10

Cable with pre-wired OPEN - STOP - CLOSE keypad for PEGASO UP operators. For adjusting motor limit switches from floor level. Length 10 m

Cp N733338 - **Ci** 2600566
PIG 12/ULISSE S

Z12 pinion gear for reduction on industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733339 - **Ci** 2600966
PIG 18/ULISSE S

Z18 pinion gear for reduction on industrial sectional doors, for 1 " (25,4 mm) shafts

Cp N733148 - **Ci** 2600920
COR 30

Z30 gear kit with accessories for industrial sectional doors, for 1 " (25,4 mm) shafts

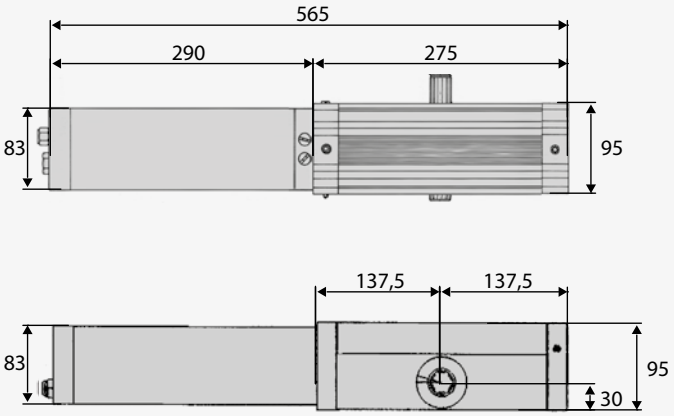
Cp N733121 - **Ci** 2610906
SFZ

Additional fixing bracket kit. To be used on chain drive installations.

FORB

Hydraulic operator for very intensive use for industrial folding doors, maximum two panels per leaf.
Designed for the toughest conditions of use, it combines strength and the typical reliability of hydraulic operators.

DIMENSIONS (mm)



TECHNICAL FEATURES

	FORB	FORB R	FORB ERSA
Control unit	RIGEL 6	RIGEL 6	RIGEL 6
Nominal voltage	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W
Max surface area	6 m^2	2,4 m^2	2,4 m^2
Door surface area	6 m^2	2,4 m^2	2,4 m^2
Opening or closing time	25	Language	Language
Slowdown	no	Yes	Yes
Locking	Hydraulic	Hydraulic	absent
Release	Lever or steel cable	Lever or steel cable	Lever or steel cable
Impact reaction	Sure-safe anti-crushing system with 2 bypass valves	Sure-safe anti-crushing system with 2 bypass valves	Sure-safe anti-crushing system with 2 bypass valves
Frequency of use	very intensive	very intensive	very intensive
Protection rating	IP57	IP57	IP20
Environmental conditions	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C

Code	International code	Name		Description
P935017 00001	**2601412**	**FORB**		Hydraulic operator for industrial folding doors (maximum two panels) of maximum surface area 6 m^2 and very intensive use. Hydraulic protection against crushing
P935019 00001	**2611710**	**FORB R**		Hydraulic operator for industrial folding doors (maximum two panels) of maximum surface area 2,4 m^2 and very intensive use. Hydraulic slowdown
P935038 00001	**2611715**	**FORB ERSA**		Hydraulic operator for industrial folding doors (maximum two panels) of maximum surface area 2,4 m^2 and very intensive use. With slowdown of movements and automatic release. Hydraulic slowdown

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators

Cp D113833 00002 - Ci 2600589 - RIGEL 6 220-230V 50/60HZ - Recommended

- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators , weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

RECOMMENDED ACCESSORIES

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P111407 - **Ci** 2601360
FALCON

Industrial presence sensor installable up to 7 m.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp N733020 - **Ci** 2601471
SEB

External key release for BERMA, FORB, IGEA LB and IGEA LB BT

IGEA LB

BUILDING ACCESS AUTOMATION

d-track

ee link

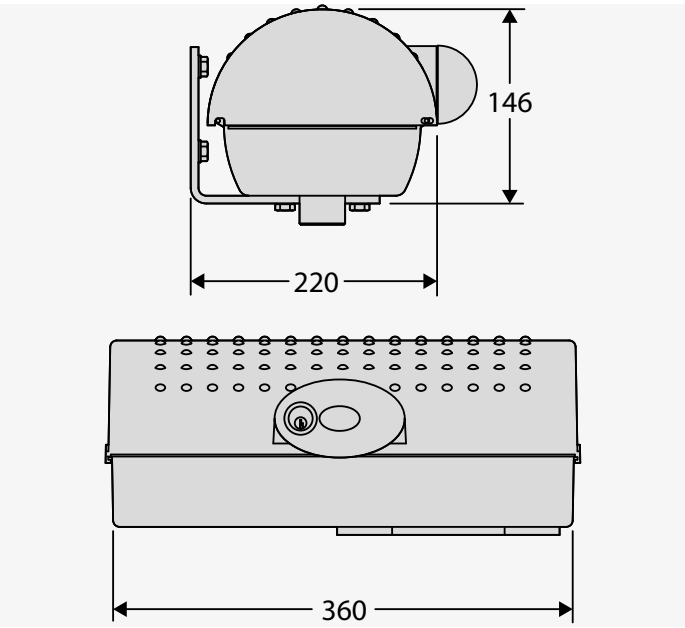
er ready

24 V

U-Link

Range of 230V electromechanical operators for industrial folding doors, up to 2 panels per gate.
Available also in 24V version to guarantee maximum anti-crushing safety and precision in movement and slowdown.

DIMENSIONS (mm)



TECHNICAL FEATURES

	IGEA LB BT	IGEA LB
Control unit	THALIA P	RIGEL 6
Nominal voltage	24 V	230 V
Power consumption	40 W	300 W
Max. door/gate weight	250 kg	250 kg
Panel length	2 m	2 m
Type of limit switch	Electromechanical	Electromechanical
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	External accessory with personal key	External accessory with personal key
Impact reaction	D-Track	Electronic clutch
Frequency of use	Semi intensive	Semi intensive
Protection rating	IP4X	IP4X
Environmental conditions	-15 ÷ 60 °C	-15 ÷ 60 °C

Code	International code	Name		Description
P935072 00002	2611746	IGEA LB BT		Electromechanical operator for industrial folding doors (max. two panels) with panel length 2 m. door weight 250 kg and use Semi intensive. D-Track
P935077 00001	2611750	IGEA LB		Electromechanical operator for industrial folding doors (max. two panels) with panel length 2 m. door weight 250 kg and use Semi intensive. Electric clutch

THALIA P: Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems

Cp D113747 00002 - **Ci** 2600583 - THALIA P - **Recommended**

- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated dual channel receiver, D-Track anti-crushing system , slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge 8K2.
- Application: display panel for 1 or 2 24V operators
- Compatibility: LIBRA, LIBRA R, LIBRA MA R

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators

Cp D113833 00002 - **Ci** 2600589 - RIGEL 6 220-230V 50/60HZ - **Recommended**

- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators , weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

VITAL ACCESSORIES

Cp D113811 00004 - **Ci** 2607514
ALENA SW2

Control panel with slow-down, dip switches and potentiometers for one or two 230V 400W+400W, operators for swing gates and industrial folding doors

RECOMMENDED ACCESSORIES

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp N733020 - **Ci** 2601471
SEB

External key release for BERMA, FORB, IGEA LB and IGEA LB BT

Cp N733421 - **Ci** 2600967
RCA

Lever release with steel cable, length 3,5 m. Compatible with BOX.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp D113745 00002 - **Ci** 2600477
THALIA

Control panel with display for one or two 24V electromechanical operators for swing gates

Cp N574039 - **Ci** 2610798
BOX

Wall cabinet for release with steel cable and electric control; cable not included

Cp N733422 - **Ci** 2600457
RCAL

Lever release with steel cable, length 7 m. Compatible with BOX.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

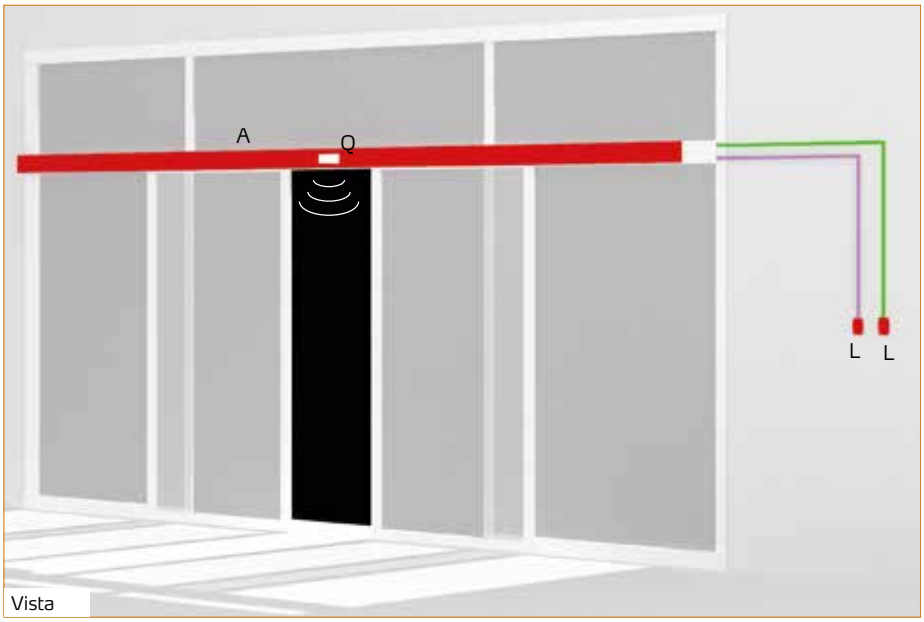
accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

Automation systems for automatic pedestrian doors

Guide to choosing

Number of gate panels	Motor voltage	Max Leaf	Clear opening	Kit	Model	Plus
Sliding						
1	-	140 kg	750 ÷ 2150 mm	-	VISTA EMERGENCY 1 ANTA	Ideal for escape routes and emergency exits.
	24 V	100 kg		-	VISTA SLK A100 SMART-114	Compact profile common to all models in the VISTA SLK range. Dunker motor.
				-	VISTA SLK A100R SMART-114	Compact profile common to all models in the VISTA SLK range.
		150 kg		-	VISTA SLK A150 SMART-114	Compact profile common to all models in the VISTA SLK range. Dunker motor.
		200 kg		-	VISTA SL A200 SMART-114	Oversized profiles, maximum performance. Dunker motor.
2	-	120 kg	800 ÷ 2900 mm	-	VISTA EMERGENCY 2 ANTE	Ideal for escape routes and emergency exits.
	24 V	80+80 kg		-	VISTA SLK A100 SMART-214	Compact profile common to all models in the VISTA SLK range. Dunker motor.
				-	VISTA SLK A100R SMART-214	Compact profile common to all models in the VISTA SLK range.
		100+100 kg		-	VISTA SLK A150 SMART-214	Compact profile common to all models in the VISTA SLK range. Dunker motor.
		150+150 kg		-	VISTA SL A200 SMART-214	Oversized profiles, maximum performance. Dunker motor.
Telescopic sliding gates						
2	24 V	2 x 100 kg	800 ÷ 3300 mm	-	VISTA TL2-207	Maximum opening for installation in small spaces.
4		4 x 80 kg		-	VISTA TL4-416	Maximum opening for installation in small spaces.
Swing						
1	24 V	260 kg	600 ÷ 1400 mm	-	VISTA SW 260 MXL	Compact size, ideal for use in small spaces.
				-	VISTA SW 260 SXL	Compact size, ideal for use in small spaces.
		350 kg	700 ÷ 1400 mm	-	VISTA SW 350 MXL PORTA BATTENTE SENZA MOLLA	Ideal for "fail safe" installations (management with batteries)
				-	VISTA SW 350 SXL PORTA BATTENTE CON MOLLA	Ideal for "low energy" installations (spring closure) and on fire doors

Installation guide



Vista

A	Operator
L	Control system (key selector switch, keypad, badge reader)
Q	Radar
	6x1
	3x1,5

Cp Code

Ci International code

U-Link

New

Phase-out

EasyAxs:
P. 282

Accessories:
P. 282

accessories for control units P. 282
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VISTA SLK

BUILDING ACCESS AUTOMATION

er ready

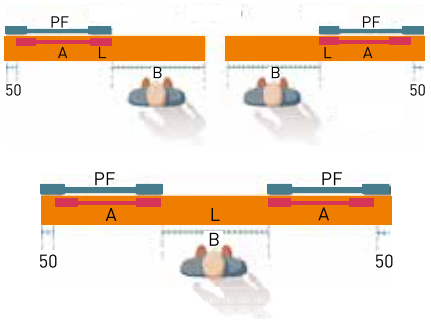
ee link

24 V

U-Link

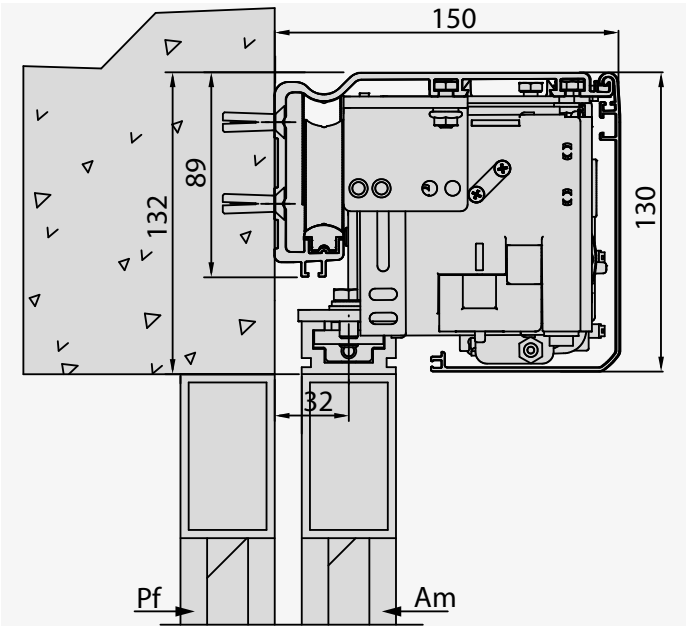
d-track

VISTA SLK SMART is the range of compact, modern and versatile automations which can be used for both lightweight (up to 100 kg) and heavyweight (up to 150 kg) gates.
The profiles are compact in size and give the automation a design which fits in well with any surroundings.
All models in the range are available in the automation kit version (MODULE KIT) to be used with the set of profiles and the belt and in the ASSEMBLED AUTOMATION version, to be ordered in the required size.



	Case length (L)
	Opening (B)
	Leaf length (A)
	Fixed part (PF) A+50

DIMENSIONS (mm)



TECHNICAL FEATURES

	VISTA SLK A150 SMART-1	VISTA SLK A150 SMART-2	VISTA SLK A100 SMART-1	VISTA SLK A100 SMART-2	VISTA SLK A100R SMART-1	VISTA SLK A100R SMART-2
Leaf type	Sliding	Sliding	Sliding	Sliding	Sliding	Sliding
Number of gate panels	1	2	1	2	1	2
Max Leaf	150 kg	100+100 kg	100 kg	80+80 kg	100 kg	80+80 kg
Max automation dimensions	130 x 150 x 6000 mm	130 x 150 x 6,000 mm mm	130 x 150 x 6,000 mm mm	130 x 150 x 6,000 mm mm	130 x 150 x 6,000 mm mm	130 x 150 x 6000 mm
Clear opening	750 ÷ 2150 mm	800 ÷ 2900 mm	750 ÷ 2150 mm	800 ÷ 2900 mm	750 ÷ 2150 mm	800 ÷ 2900 mm
Opening/closing speed per leaf (max)	Adjustable up to 1 m/s	Adjustable up to 1 m/s	Adjustable up to 1 m/s	Adjustable up to 1 m/s	Adjustable up to 1 m/s	Adjustable up to 1 m/s
Approach speed per leaf (max)	5 ÷ 10 cm/s	5 ÷ 10 cm/s	5 ÷ 10 cm/s	5 ÷ 10 cm/s	5 ÷ 10 cm/s	5 ÷ 10 cm/s
Control unit	ARIA EVO	ARIA EVO	ARIA EVO	ARIA EVO	ARIA EVO	ARIA EVO
Motor voltage	24 V	24 V	24 V	24 V	24 V	24 V
Motor type	Dunker	Dunker	Dunker	Dunker	-	-
Nominal power	250 W	250 W	200 W	200 W	200 W	200 W
Frequency of use	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous
Impact reaction	Electronic torque limiter	Electronic torque limiter	Electronic torque limiter	Electronic torque limiter	Electronic torque limiter	Electronic torque limiter
Type of limit switch	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening
Manual cycle	Reversible	Reversible	Reversible	Reversible	Reversible	Reversible
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Release lever	Release lever	Release lever	Release lever	Release lever	Release lever
Operating temperature	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C
Protection rating	IPX0	IPX0	IPX0	IPX0	IPX0	IPX0

Code	International code	Name		A (mm)	B (mm)	L (mm)
P960680 00002	2613390	VISTA SLK A150 SMART-114		800÷1500	750÷1450	1600÷3000
P960681 00002	2613391	VISTA SLK A150 SMART-121		1501÷2200	1451÷2150	3001÷4400
P960682 00002	2613392	VISTA SLK A150 SMART-214		2x450÷2x750	800÷1400	1900÷3000
P960683 00002	2613393	VISTA SLK A150 SMART-221		2x751÷2x1100	1401÷2100	3001÷4400
P960684 00002	2613394	VISTA SLK A150 SMART-229		2x1101÷2x1500	2101÷2900	4401÷6000
P960685 00002	2613395	VISTA SLK A100 SMART-114		800÷1500	750÷1450	1600÷3000
P960686 00002	2613396	VISTA SLK A100 SMART-121		1501÷2200	1451÷2150	3001÷4400
P960687 00002	2613397	VISTA SLK A100 SMART-214		2x450÷2x750	800÷1400	1900÷3000
P960688 00002	2613398	VISTA SLK A100 SMART-221		2x751÷2x1100	1401÷2100	3001÷4400
P960689 00002	2613399	VISTA SLK A100 SMART-229		2x1101÷2x1500	2101÷2900	4401÷6000
P960690 00002	2613400	VISTA SLK A100R SMART-114		800÷1500	750÷1450	1600÷3000
P960691 00002	2613401	VISTA SLK A100R SMART-121		1501÷2200	1451÷2150	3001÷4400
P960692 00002	2613402	VISTA SLK A100R SMART-214		2x450÷2x750	800÷1400	1900÷3000
P960693 00002	2613403	VISTA SLK A100R SMART-221		2x751÷2x1100	1401÷2100	3001÷4400
P960694 00002	2613404	VISTA SLK A100R SMART-229		2x1101÷2x1500	2101÷2900	4401÷6000

ARIA EVO: Control unit for pedestrian doors

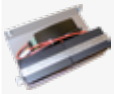
ARIA EVO - Built-in

- Control unit for pedestrian doors
- Application: control unit for pedestrian doors
- Card power supply: 230 V single-phase
- Operator power supply: 24 V
- Main features: programming with display, incorporated dual channel receiver, anti-crushing, slowdown during opening and closing
- Main functions: automatic re-closing, alarms management, anti-break-in logics

RECOMMENDED ACCESSORIES

Cp P113035 - **Ci** 2614056
MAGIC SWITCH

Contactless opening detector with LED access option in detection or when idle. IP54 rating.



Cp P111803 00002 - **Ci** 2613375
BBV BATTERY VISTA SLK MODULE INSTALLED

Cp N733408 - **Ci** 2605036
ERV

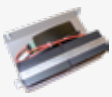
Electric lock for VISTA SL, SL C, TL (use in conjunction with BBV recommended)

Cp P111156 - **Ci** 2605044
PPR

Door guide slide for automatic doors with aluminium frame

Cp D113722 - **Ci** 2600305
VISTA SEL

Function selector for pedestrian door series VISTA SL, SL C, TL



Cp P111803 - **Ci** 2613374
BBV BATTERY VISTA SLK MODULE

Emergency batteries kit.

Cp P111804 - **Ci** 2613376
PFC SL MOUNTING PLATE ON PRV PROFILE

Additional kit of plates for fixing traveller on profile boom attachment PRV AA.

Cp P111681 - **Ci** 2611330
PRV AA SL

Leaf attachment profile for Vista SL.

Cp P111158 - **Ci** 2605045
PGI

Bottom door guide for automatic doors with aluminium frame

Cp P111720 00002 - **Ci** 2611347
SASA 1AM SIST SFOND.1 ANTA MOBILE

Breakthrough system kit for 1 movable leaf

RECOMMENDED ACCESSORIES

Cp P111721 00002 - **Ci** 2611348
SASA 1AMF SIST SFOND.ANTE 1 MOB + 1 FX

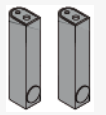
Breakthrough system kit for 1 fixed leaf and 1 movable leaf

Cp P111722 00002 - **Ci** 2611349
SASA 2AM SIST SFOND_..2 ANTE MOB

Breakthrough system kit for 2 movable leaves

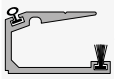
Cp P111723 00002 - **Ci** 2611350
SASA 2AMF SIST SFOND.ANTE 2 MOB + 2 FX

Breakthrough system kit for 2 fixed leaves and 2 movable leaves



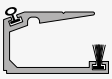
Cp P111724 00002 - **Ci** 2611351
SASA BRACKETS FOR LEAF BREAKAGE DETECTION PHOTOC.

Bracket kit for mounting FPA1 photocells for leaf breakage detection



Cp P111725 00002 - **Ci** 2611352
SASA PRA 2,5 PROF.PROT.ANTA FX/MOB 2.5M

Protection profile for fixed/movable leaf. Length L = 2,5 m



Cp P111726 00002 - **Ci** 2613113
SASA PRA 5 PROF. PROTEZ.ANTA FX/MOB, 5M

Protection profile for fixed/movable leaf. Length L = 5 m

Cp P111753 - **Ci** 2611356
OA-AXIS T

Active infrared sensor for activation and security with safety test

Cp P111751 - **Ci** 2600816
OA-AXIS II

Active infrared sensor for activation and security

Cp P111754 - **Ci** 2611357
OA-203C

Active infrared sensor for activation and presence

Cp P111755 - **Ci** 2611358
OA-PRESENCE TN

Active infrared sensor for security

Cp P111759 - **Ci** 2611361
OT 3

Elbow-operated pushbutton, silver

Cp P111653 - **Ci** 2611314
VIO-DT2

Safety and bi-directional activation sensor, dual technology, monitored

Cp P111654 - **Ci** 2611315
VIO-DT1

Safety and mono-directional activation sensor, dual technology, monitored

Cp P111655 - **Ci** 2611316
IXIO-DT1

Safety and mono-directional activation sensor, dual technology, monitored, programmable c.telecom.

Cp P111656 - **Ci** 2611317
VIO-ST

Infrared safety sensor, monitored

Cp P111662 - **Ci** 2611321
VIO-M

Compact mono-directional activation sensor

Cp P111677 - **Ci** 2611327
PUSH PLATE

Activation button

Cp P111678 - **Ci** 2611328
SPAC

Pair of locks (2) for glass leaf

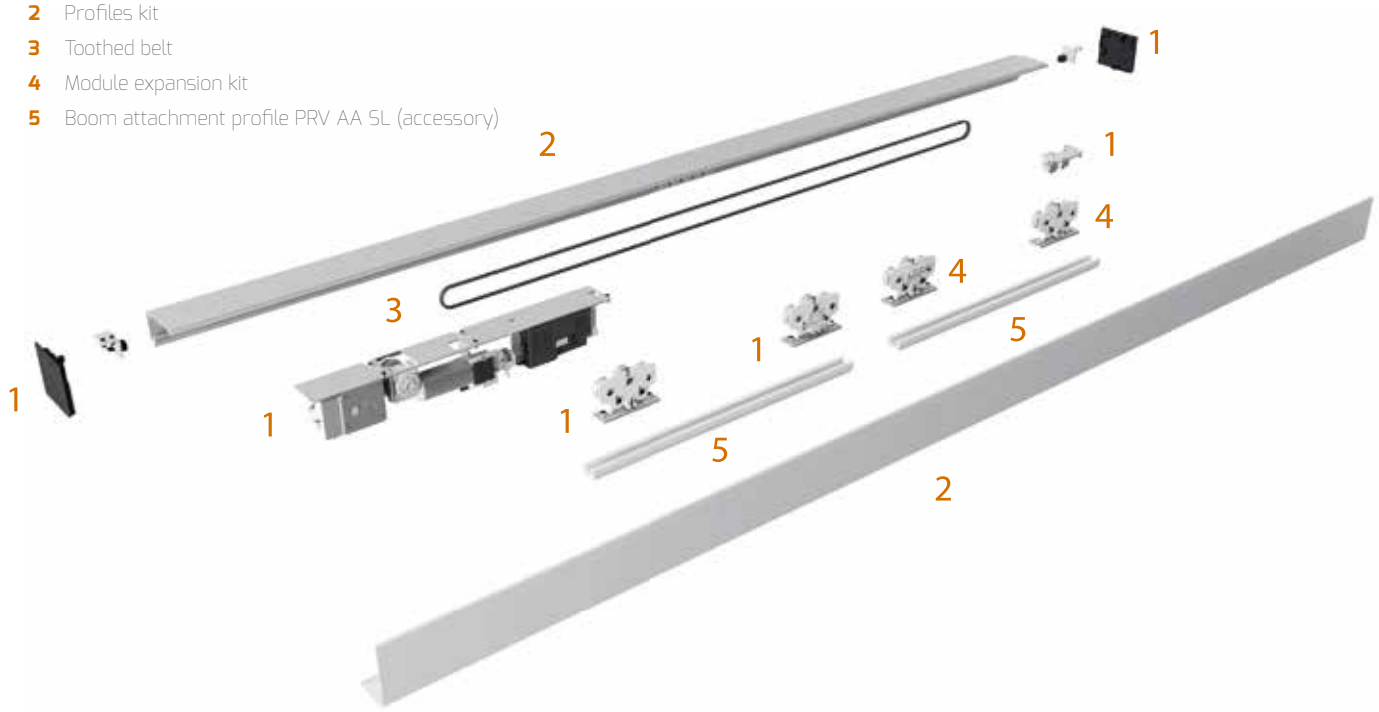
Cp P111685 - **Ci** 2605163
KIT FPA2

FPA kit with two pairs photocells and brackets for Vista

Cp P111683 - **Ci** 2605162
KIT FPA1

FPA kit with pair of photocells and brackets for Vista

1 Module kit
2 Profiles kit
3 Toothed belt
4 Module expansion kit
5 Boom attachment profile PRV AA SL (accessory)



VISTA SLK A150 - Standard configuration with automation kit

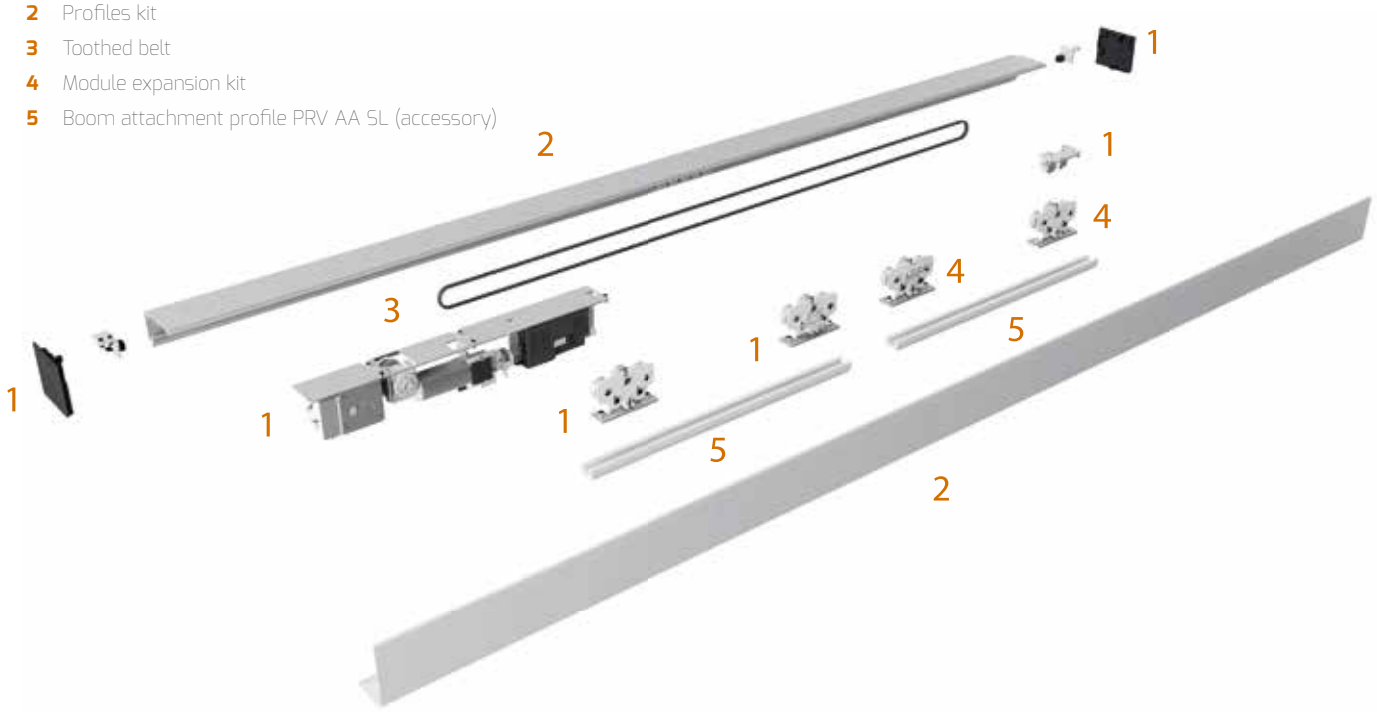
Code	International code	Name	
P960668 00001	2613377	VISTA SLK MODULE KIT A150 SMART - 120V	
P960668 00002	2605541	VISTA SLK MODULE KIT A150 SMART - 230V	
P960671 00002	2613380	VISTA SLK PROFILES KIT 4.4M	
D191195	2603495	TOOTHED BELT PU RTD8-10mm ANTIS - 30m	
P111798	2605180	EXPANSION KIT VISTA SLK MODULE - DOUBLE LEAF	
P111681	2611330	PRV AA SL	
P111803	2613374	BBV BATTERY VISTA SLK MODULE	
D113722	2600305	VISTA SEL	
N733408	2605036	ERV	
P111653	2611314	VIO-DT2	

(*) two panels, each panel 2.2 m.

Configuration options

Code	International code	Name		Description
P960668 00002	2605541	VISTA SLK MODULE KIT A150 SMART - 230V		VISTA SLK A150 automation kit.
P960672 00002	2613381	VISTA SLK PROFILES KIT 3M		VISTA SLK profiles kit 3 m.
P960671 00002	2613380	VISTA SLK PROFILES KIT 4.4M		VISTA SLK profiles kit 4.4 m.
P960673 00002	2613382	VISTA SLK PROFILES KIT 6M		VISTA SLK profiles kit 6 m.
D191195	2603495	TOOTHED BELT PU RTD8-10mm ANTIS - 30m		Anti-static 10 mm polyurethane toothed drive belt.
P111798	2605180	EXPANSION KIT VISTA SLK MODULE - DOUBLE LEAF		VISTA SLK double leaf expansion kit.

1 Module kit
2 Profiles kit
3 Toothed belt
4 Module expansion kit
5 Boom attachment profile PRV AA SL (accessory)



VISTA SLK A100 - Standard configuration with automation kit

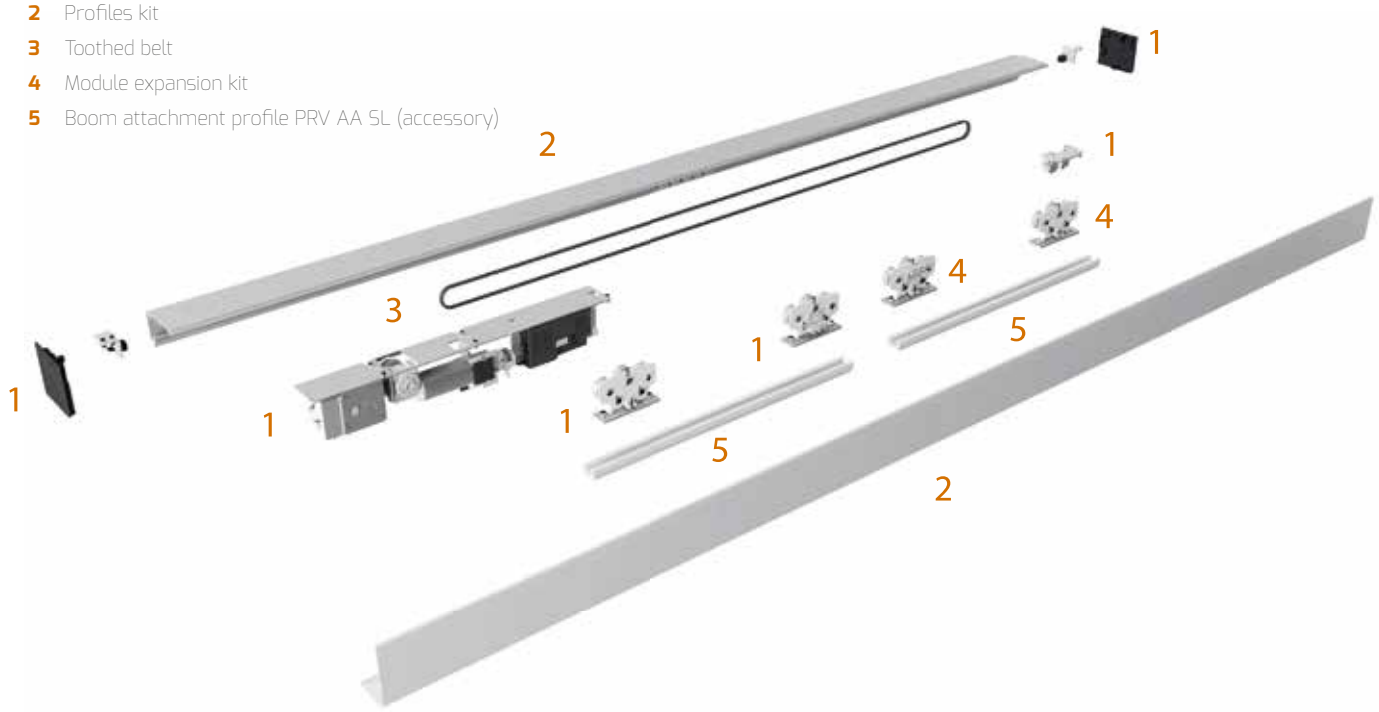
Code	International code	Name	
P960669 00002	**2605542**	VISTA SLK MODULE KIT A100 SMART - 230V	
P960671 00002	**2613380**	VISTA SLK PROFILES KIT 4.4M	
D191195	**2603495**	TOOTHED BELT PU RTD8-10mm ANTIS - 30m	
P111798	**2605180**	EXPANSION KIT VISTA SLK MODULE - DOUBLE LEAF	
P111681	**2611330**	PRV AA SL	
P111803	**2613374**	BBV BATTERY VISTA SLK MODULE	
D113722	**2600305**	VISTA SEL	
N733408	**2605036**	ERV	
P111653	**2611314**	VIO-DT2	

(*) two panels, each panel 2.2 m.

Configuration options

Code	International code	Name		Description
P960669 00002	**2605542**	VISTA SLK MODULE KIT A100 SMART - 230V		VISTA SLK A100 automation kit.
P960672 00002	**2613381**	VISTA SLK PROFILES KIT 3M		VISTA SLK profiles kit 3 m.
P960671 00002	**2613380**	VISTA SLK PROFILES KIT 4.4M		VISTA SLK profiles kit 4.4 m.
P960673 00002	**2613382**	VISTA SLK PROFILES KIT 6M		VISTA SLK profiles kit 6 m.
D191195	**2603495**	TOOTHED BELT PU RTD8-10mm ANTIS - 30m		Anti-static 10 mm polyurethane toothed drive belt.
P111798	**2605180**	EXPANSION KIT VISTA SLK MODULE - DOUBLE LEAF		VISTA SLK double leaf expansion kit.

1 Module kit
2 Profiles kit
3 Toothed belt
4 Module expansion kit
5 Boom attachment profile PRV AA SL (accessory)



VISTA SLK A100R - Standard configuration with automation kit

Code	International code	Name	
P960670 00002	2613379	VISTA SLK MODULE KIT A100R SMART - 230V	
P960671 00002	2613380	VISTA SLK PROFILES KIT 4.4M	
D191195	2603495	TOOTHED BELT PU RTD8-10mm ANTIS - 30m	
P111798	2605180	EXPANSION KIT VISTA SLK MODULE - DOUBLE LEAF	
P111681	2611330	PRV AA SL	
P111803	2613374	BBV BATTERY VISTA SLK MODULE	
D113722	2600305	VISTA SEL	
N733408	2605036	ERV	
P111653	2611314	VIO-DT2	

(*) two panels, each panel 2.2 m.

Configuration options

Code	International code	Name		Description
P960670 00002	2613379	VISTA SLK MODULE KIT A100R SMART - 230V		VISTA SLK A100R automation kit.
P960672 00002	2613381	VISTA SLK PROFILES KIT 3M		VISTA SLK profiles kit 3 m.
P960671 00002	2613380	VISTA SLK PROFILES KIT 4.4M		VISTA SLK profiles kit 4.4 m.
P960673 00002	2613382	VISTA SLK PROFILES KIT 6M		VISTA SLK profiles kit 6 m.
D191195	2603495	TOOTHED BELT PU RTD8-10mm ANTIS - 30m		Anti-static 10 mm polyurethane toothed drive belt.
P111798	2605180	EXPANSION KIT VISTA SLK MODULE - DOUBLE LEAF		VISTA SLK double leaf expansion kit.

VISTA SLA 200

BUILDING ACCESS AUTOMATION

er ready

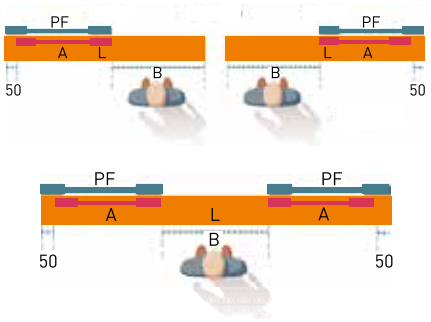
ee link

24 V

U-Link

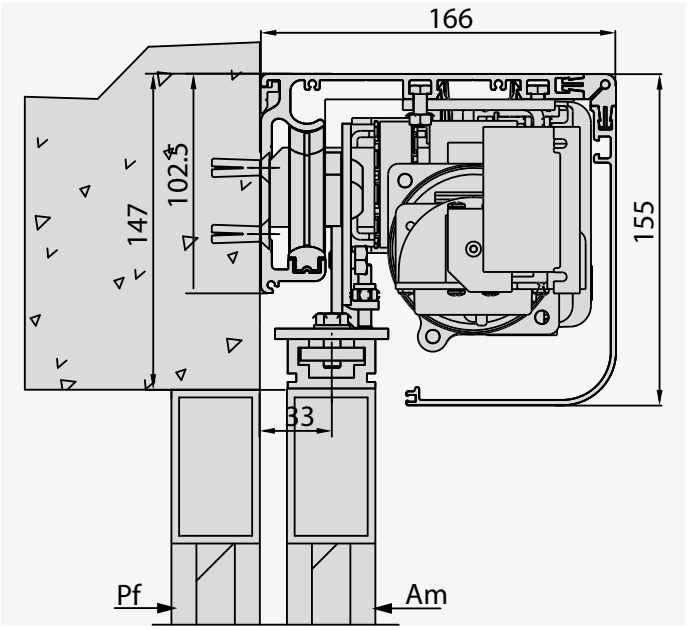
d-track

VISTA SL A200 SMART is the robust and highly reliable automation for heavyweight gates weighing up to 200 kg, to be combined with oversize profiles that offer complete stability of the gate.
VISTA SL A200 SMART is available in the automation kit version (MODULE KIT) to be used with the set of profiles and the belt and in the ASSEMBLED AUTOMATION version, to be ordered in the required size.



	Case length (L)
	Opening (B)
	Leaf length (A)
	Fixed part (PF) A+50

DIMENSIONS (mm)



TECHNICAL FEATURES

	VISTA SL A200 SMART-1	VISTA SL A200 SMART-2
Leaf type	Sliding	Sliding
Number of gate panels	1	2
Max Leaf	200 kg	150+150 kg
Max automation dimensions	166 x 155 x 6000 mm	166 x 155 x 6000 mm
Clear opening	750 ÷ 2150 mm	800 ÷ 2900 mm
Opening/closing speed per leaf (max)	Adjustable up to 1 m/s	Adjustable up to 1 m/s
Approach speed per leaf (max)	5 ÷ 10 cm/s	5 ÷ 10 cm/s
Control unit	ARIA EVO	ARIA EVO
Motor voltage	24 V	24 V
Motor type	Dunker	Dunker
Nominal power	300 W	300 W
Frequency of use	Continuous	Continuous
Impact reaction	Electronic torque limiter	Electronic torque limiter
Type of limit switch	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening
Manual cycle	Reversible	Reversible
Locking	Mechanical	Mechanical
Release	Release lever	Release lever
Operating temperature	-20 ÷ 55 °C	-20 ÷ 55 °C
Protection rating	IPX0	IPX0

Code	International code	Name		A (mm)	B (mm)	L (mm)
P960695 00002	2613405	VISTA SL A200 SMART-114		800÷1500	750÷1450	1600÷3000
P960696 00002	2613406	VISTA SL A200 SMART-121		1501÷2200	1451÷2150	3001÷4400
P960697 00002	2613407	VISTA SL A200 SMART-214		2x450÷2x750	800÷1400	1900÷3000
P960698 00002	2613408	VISTA SL A200 SMART-221		2x751÷2x1100	1401÷2100	3001÷4400
P960699 00002	2613409	VISTA SL A200 SMART-229		2x1101÷2x1500	2101÷2900	4401÷6000

ARIA EVO: Control unit for pedestrian doors

ARIA EVO - Built-in

- Control unit for pedestrian doors
- Application: control unit for pedestrian doors
- Card power supply: 230 V single-phase
- Operator power supply: 24 V
- Main features: programming with display, incorporated dual channel receiver, anti-crushing, slowdown during opening and closing
- Main functions: automatic re-closing, alarms management, anti-break-in logics

RECOMMENDED ACCESSORIES

Cp P113035 - **Ci** 2614056
MAGIC SWITCH
Contactless opening detector with LED access option in detection or when idle. IP54 rating.

Cp P111680 - **Ci** 2611329
WMP SL SLC
Contains 2 crossbeam support profiles of length L = 1 m each

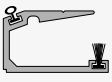
Cp P111445 - **Ci** 2605122
SBV
Anodised aluminium supporting crosspiece for VISTA SL

Cp P111156 - **Ci** 2605044
PPR
Door guide slide for automatic doors with aluminium frame

Cp D113722 - **Ci** 2600305
VISTA SEL
Function selector for pedestrian door series VISTA SL, SL C, TL

Cp P111721 00002 - **Ci** 2611348
SASA 1AMF SIST SFOND.ANTE 1 MOB + 1 FX
Breakthrough system kit for 1 fixed leaf and 1 movable leaf

Cp P111723 00002 - **Ci** 2611350
SASA 2AMF SIST SFOND.ANTE 2 MOB + 2 FX
Breakthrough system kit for 2 fixed leaves and 2 movable leaves



Cp P111725 00002 - **Ci** 2611352
SASA PRA 2,5 PROF.PROT.ANTA FX/MOB 2.5M
Protection profile for fixed/movable leaf. Length L = 2,5 m

Cp P111753 - **Ci** 2611356
OA-AXIS T
Active infrared sensor for activation and security with safety test

Cp P111768 - **Ci** 2607186
BBV BATT MODULO VISTA SL
Set of backup batteries for VISTA SL

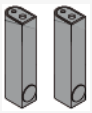
Cp N733408 - **Ci** 2605036
ERV
Electric lock for VISTA SL, SL C, TL (use in conjunction with BBV recommended)

Cp P111681 - **Ci** 2611330
PRV AA SL
Leaf attachment profile for Vista SL.

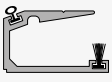
Cp P111158 - **Ci** 2605045
PGI
Bottom door guide for automatic doors with aluminium frame

Cp P111720 00002 - **Ci** 2611347
SASA 1AM SIST SFOND.1 ANTA MOBILE
Breakthrough system kit for 1 movable leaf

Cp P111722 00002 - **Ci** 2611349
SASA 2AM SIST SFOND...2 ANTE MOB
Breakthrough system kit for 2 movable leaves



Cp P111724 00002 - **Ci** 2611351
SASA BRACKETS FOR LEAF BREAKAGE DETECTION PHOTOC.
Bracket kit for mounting FPA1 photocells for leaf breakage detection



Cp P111726 00002 - **Ci** 2613113
SASA PRA 5 PROF. PROTEZ.ANTA FX/MOB, 5M
Protection profile for fixed/movable leaf. Length L = 5 m

Cp P111751 - **Ci** 2600816
OA-AXIS II
Active infrared sensor for activation and security

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

RECOMMENDED ACCESSORIES

Cp P111754 - **Ci** 2611357
OA-203C

Active infrared sensor for activation and presence

Cp P111755 - **Ci** 2611358
OA-PRESENCE TN

Active infrared sensor for security

Cp P111759 - **Ci** 2611361
OT 3

Elbow-operated pushbutton, silver

Cp P111653 - **Ci** 2611314
VIO-DT2

Safety and bi-directional activation sensor, dual technology, monitored

Cp P111654 - **Ci** 2611315
VIO-DT1

Safety and mono-directional activation sensor, dual technology, monitored

Cp P111655 - **Ci** 2611316
IXIO-DT1

Safety and mono-directional activation sensor, dual technology, monitored, programmable c.telecom.

Cp P111656 - **Ci** 2611317
VIO-ST

Infrared safety sensor, monitored

Cp P111662 - **Ci** 2611321
VIO-M

Compact mono-directional activation sensor

Cp P111677 - **Ci** 2611327
PUSH PLATE

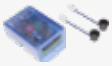
Activation button

Cp P111678 - **Ci** 2611328
SPAC

Pair of locks (2) for glass leaf

Cp P111685 - **Ci** 2605163
KIT FPA2

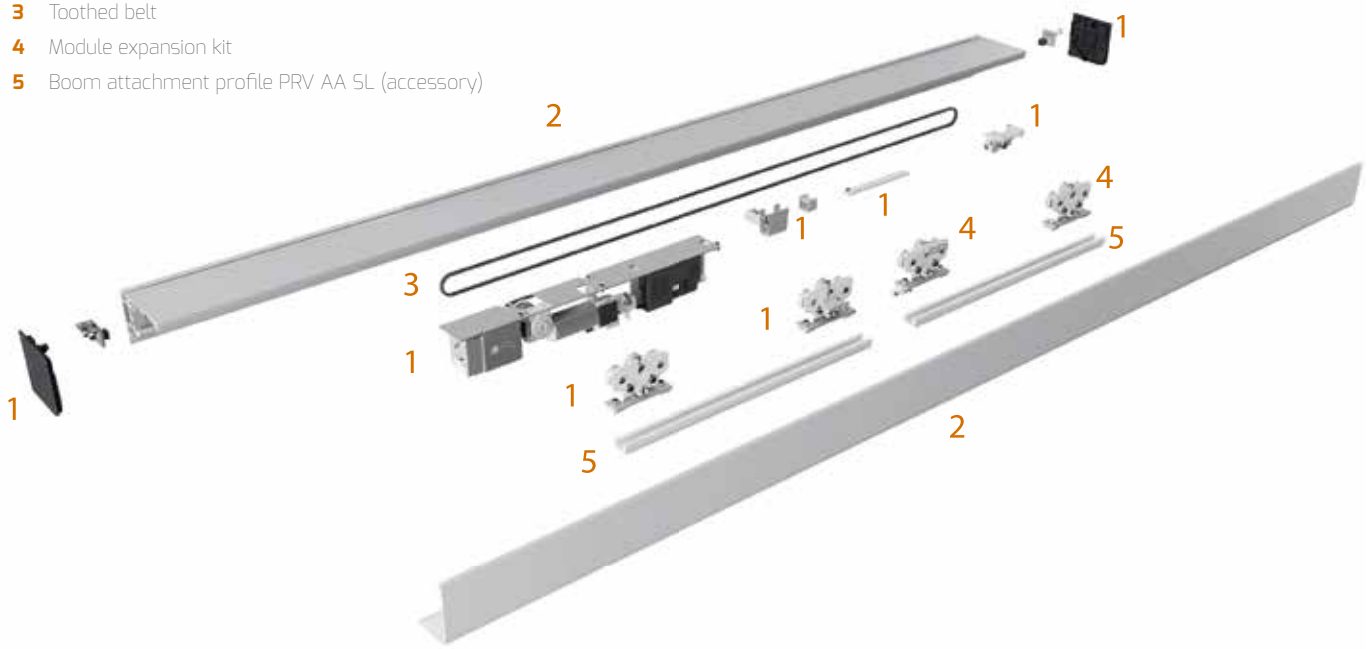
FPA kit with two pairs photocells and brackets for Vista



Cp P111683 - **Ci** 2605162
KIT FPA1

FPA kit with pair of photocells and brackets for Vista

1 Module kit
2 Profiles kit
3 Toothed belt
4 Module expansion kit
5 Boom attachment profile PRV AA SL (accessory)



VISTA SLA 200 - Standard configuration with automation kit

Code	International code	Name	
P960621 00002	2605518	VISTA SL A200 SMART MODULE KIT - 230V	
P960614 00002	2605511	VISTA SL PROFILES KIT A200 3m	
D191099	2604509	CINGHIA DENTATA GOMMA RPP8-15 ANTIS. 30M	
P111749	2605164	EXPANSION KIT VISTA SL A200 - 2 DOOR PANELS	
P111681	2611330	PRV AA SL	
P111803	2613374	BBV BATTERY VISTA SLK MODULE	
D113722	2600305	VISTA SEL	
N733408	2605036	ERV	
P111653	2611314	VIO-DT2	

(*) two panels, each panel 2.2 m.

Configuration options

Code	International code	Name		Description
P960621 00002	2605518	VISTA SL A200 SMART MODULE KIT - 230V		VISTA SL A200 automation kit.
P960614 00002	2605511	VISTA SL PROFILES KIT A200 3m		VISTA SL profiles kit 3m.
P960615 00002	2605512	VISTA SL A200 PROFILES KIT 4.4m		VISTA SL profiles kit 4.4m.
P960616 00002	2605513	VISTA SL PROFILES KIT A200 6m		VISTA SL profiles kit 6m.
D191099	2604509	CINGHIA DENTATA GOMMA RPP8-15 ANTIS. 30M		15 mm polyurethane toothed belt.
P111749	2605164	EXPANSION KIT VISTA SL A200 - 2 DOOR PANELS		Expansion kit, second gate for Vista Module SL/SLE 1-gate kit.

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

VISTA TL

BUILDING ACCESS AUTOMATION

U-Link

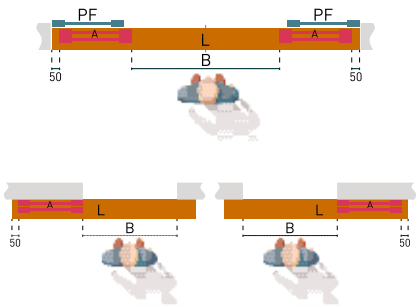
d-track

er ready

ee link

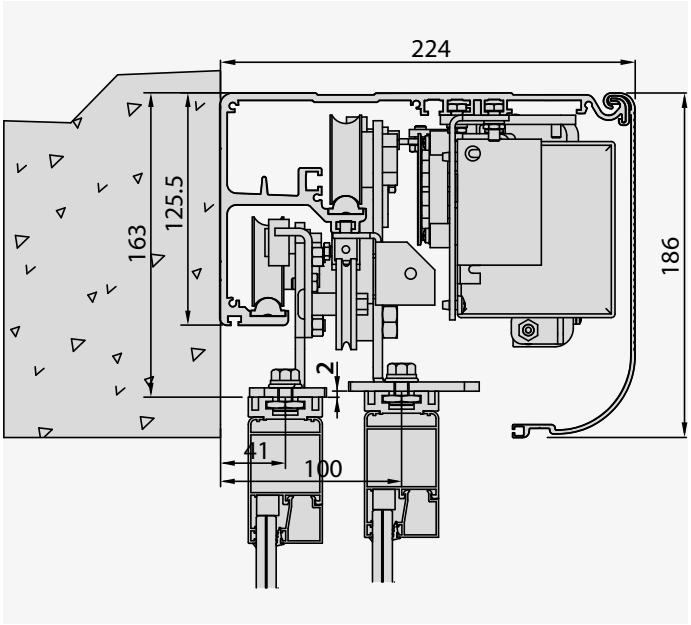
24 V

The telescopic sliding gate automation VISTA TL has been developed for automating the sliding doors located in entrances in extremely small spaces: when the opening is very small, a telescopic automation helps to widen the opening by up to 30%.
Used for automating gates weighing up to 120 kg.
VISTA TL is available in the installation kit version to be used with the set of profiles and the belt and in the ASSEMBLED AUTOMATION version, to be ordered in the required size.



	Sum of length of two movable leaves (A)
	Case length (L)
	Opening (B)
	Fixed part (PF) A+50

DIMENSIONS (mm)



TECHNICAL FEATURES

	VISTA TL2-2	VISTA TL4-4
Leaf type	Telescopic sliding gates	Telescopic sliding gates
Number of gate panels	2	4
Max Leaf	2 x 100 kg	4 x 80 kg
Max automation dimensions	224 x 186 x 6800 mm	224 x 186 x 6800 mm
Clear opening	800 ÷ 3300 mm	800 ÷ 3300 mm
Opening/closing speed per leaf (max)	Adjustable up to 1 m/s	Adjustable up to 1 m/s
Approach speed per leaf (max)	5 ÷ 10 cm/s	5 ÷ 10 cm/s
Control unit	ARIA EVO	ARIA EVO
Motor voltage	24 V	24 V
Motor type	Dunker	Dunker
Nominal power	300 W	300 W
Frequency of use	Continuous	Continuous
Impact reaction	Electronic torque limiter	Electronic torque limiter
Type of limit switch	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening
Manual cycle	Reversible	Reversible
Locking	Electromechanical	Electromechanical
Release	Release lever	Release lever
Operating temperature	-20 ÷ 50 °C	-20 ÷ 50 °C
Protection rating	IPX0	IPX0

Code	International code	Name		A (mm)	B (mm)	L (mm)	Casing Product code	Casing International code		
P960580 00002	2613140	VISTA TL2-207		450	750	1350	P111569 00002	2613067		U-Link
P960581 00002	2605488	VISTA TL2-208		500	850	1500	P111570 00002	2605146		U-Link
P960582 00002	2605489	VISTA TL2-209		550	950	1650	P111571 00002	2605147		U-Link
P960583 00002	2605490	VISTA TL2-210		600	1050	1800	P111572 00002	2605148		U-Link
P960584 00002	2605491	VISTA TL2-212		700	1250	2100	P111573 00002	2605149		U-Link
P960585 00002	2605492	VISTA TL2-214		800	1450	2400	P111574 00002	2605150		U-Link
P960586 00002	2605493	VISTA TL2-216		900	1650	2700	P111575 00002	2605151		U-Link
P960587 00002	2605494	VISTA TL2-218		1000	1850	3000	P111576 00002	2605152		U-Link
P960588 00002	2613141	VISTA TL2-220		1100	2050	3300	P111577 00002	2613068		U-Link
P960589 00002	2605495	VISTA TL2-222		1200	2250	3600	P111578 00002	2605153		U-Link
P960590 00002	2605496	VISTA TL2-224		1300	2450	3900	P111579 00002	2605154		U-Link
P960591 00002	2605497	VISTA TL2-226		1400	2650	4200	P111580 00002	2605155		U-Link
P960592 00002	2613142	VISTA TL2-228		1500	2850	4500	P111581 00002	2613069		U-Link
P960593 00002	2613143	VISTA TL2-230		1600	3050	4800	P111582 00002	2613070		U-Link
P960594 00002	2605498	VISTA TL2-232		1700	3250	5100	P111583 00002	2605156		U-Link
P960595 00002	2605499	VISTA TL4-416		450	1600	2600	P111584 00002	2605157		U-Link
P960596 00002	2605501	VISTA TL4-418		500	1800	2900	P111585 00002	2605158		U-Link
P960597 00002	2613144	VISTA TL4-420		550	2000	3200	P111586 00002	2613071		U-Link
P960598 00002	2613145	VISTA TL4-422		600	2200	3500	P111587 00002	2613072		U-Link
P960599 00002	2613146	VISTA TL4-424		650	2400	3800	P111588 00002	2613073		U-Link
P960600 00002	2605502	VISTA TL4-426		700	2600	4100	P111589 00002	2613074		U-Link
P960601 00002	2613147	VISTA TL4-428		750	2800	4400	P111590 00002	2613075		U-Link
P960602 00002	2605503	VISTA TL4-430		800	3000	4700	P111591 00002	2605159		U-Link
P960603 00002	2613148	VISTA TL4-432		850	3200	5000	P111592 00002	2613076		U-Link
P960604 00002	2613149	VISTA TL4-434		900	3400	5300	P111593 00002	2613077		U-Link
P960605 00002	2613150	VISTA TL4-436		950	3600	5600	P111594 00002	2613078		U-Link
P960606 00002	2613151	VISTA TL4-438		1000	3800	5900	P111595 00002	2613079		U-Link
P960607 00002	2605504	VISTA TL4-440		1050	4000	6200	P111596 00002	2605160		U-Link
P960608 00002	2613152	VISTA TL4-442		1100	4200	6500	P111597 00002	2613080		U-Link
P960609 00002	2605505	VISTA TL4-444		1150	4400	6800	P111598 00002	2605161		U-Link

ARIA EVO: Control unit for pedestrian doors

ARIA EVO - Built-in

- Control unit for pedestrian doors
- Application: control unit for pedestrian doors
- Card power supply: 230 V single-phase
- Operator power supply: 24 V
- Main features: programming with display, incorporated dual channel receiver, anti-crushing, slowdown during opening and closing
- Main functions: automatic re-closing, alarms management, anti-break-in logics

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
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safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

VITAL ACCESSORIES

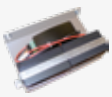
Cp D113722 - **Ci** 2600305
VISTA SEL
Function selector for pedestrian door series VISTA SL, SL C, TL

Cp N733408 - **Ci** 2605036
ERV
Electric lock for VISTA SL, SL C, TL (use in conjunction with BBV recommended)

Cp P111653 - **Ci** 2611314
VIO-DT2
Safety and bi-directional activation sensor, dual technology, monitored

Cp P111655 - **Ci** 2611316
IXIO-DT1
Safety and mono-directional activation sensor, dual technology, monitored, programmable c.telecom.

Cp P111717 - **Ci** 2611345
PRV AA TL
Wing attachment profile for Vista TL, 5100 mm long



Cp P111503 - **Ci** 2600476
BBV SLC TL
Battery powered anti-panic device for VISTA SL C, TL

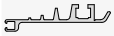
Cp P111654 - **Ci** 2611315
VIO-DT1
Safety and mono-directional activation sensor, dual technology, monitored

RECOMMENDED ACCESSORIES

Cp P113035 - **Ci** 2614056
MAGIC SWITCH
Contactless opening detector with LED access option in detection or when idle. IP54 rating.

Cp P111688 - **Ci** 2611332
PPA TL FX
Vista TL glass leaf fixing clamp

Cp P111156 - **Ci** 2605044
PPR
Door guide slide for automatic doors with aluminium frame



Cp P111660 - **Ci** 2613097
PRV TL T
Vista tl anodised closing profile, length 6,8 m

Cp P111678 - **Ci** 2611328
SPAC
Pair of locks (2) for glass leaf

Cp P111663 00002 - **Ci** 2611323
PPA TL 1600 0
Clamps for glass leaf, 1600 mm, anodised

Cp N733564 - **Ci** 2613198
SLV SBV TL1
SBV TL ceiling fixing brackets

Cp P111753 - **Ci** 2611356
OA-AXIS T
Active infrared sensor for activation and security with safety test

Cp P111754 - **Ci** 2611357
OA-203C
Active infrared sensor for activation and presence

Cp P111662 - **Ci** 2611321
VIO-M
Compact mono-directional activation sensor

Cp P111677 - **Ci** 2611327
PUSH PLATE
Activation button

Cp P111158 - **Ci** 2605045
PGI
Bottom door guide for automatic doors with aluminium frame

Cp P111689 - **Ci** 2611333
PPA TL GD
Floor guides for Vista TL glass leaves

Cp P111661 - **Ci** 2613098
SPRV TL T
Profile closing brackets, 5pcs

Cp N733565 - **Ci** 2613199
SLV SBV TL2
SBV TL side fixing brackets

Cp P111664 00002 - **Ci** 2611325
PPA TL 3200 0
Clamps for glass leaf, 3200 mm, anodised

Cp P111640 00001 - **Ci** 2613091
SBV TL
Vista TL support beam, length 6,82 m

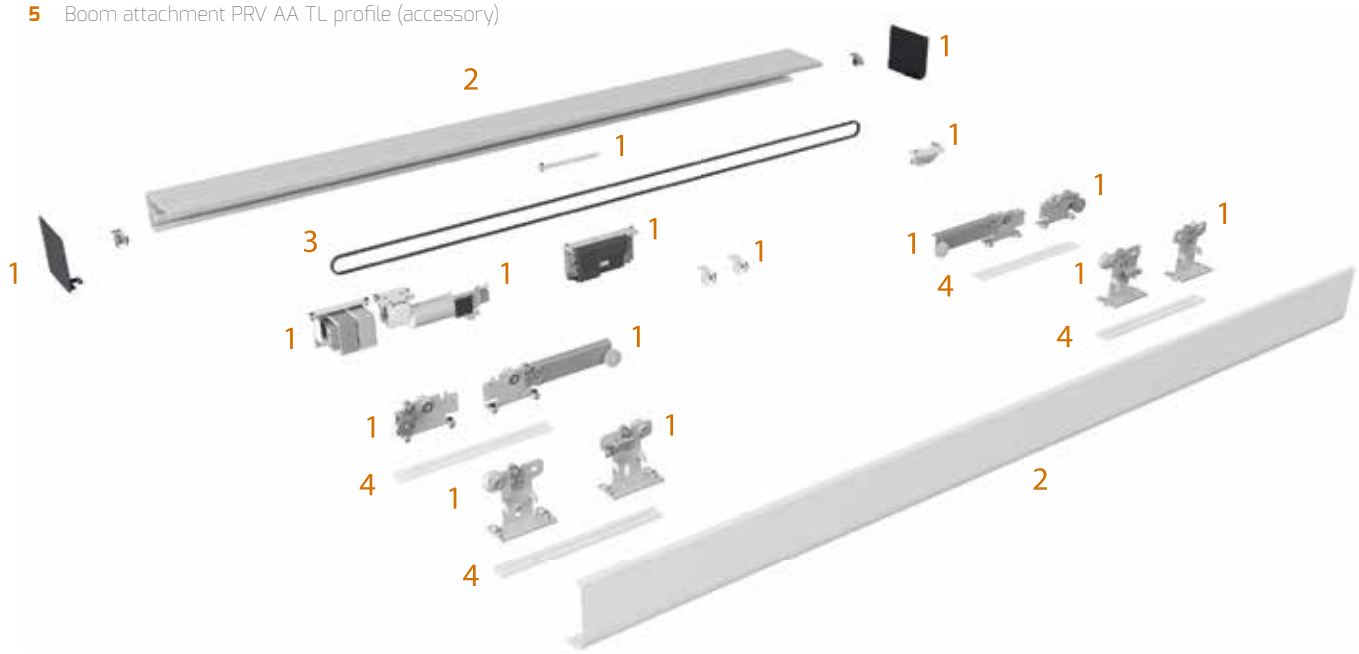
Cp P111751 - **Ci** 2600816
OA-AXIS II
Active infrared sensor for activation and security

Cp P111755 - **Ci** 2611358
OA-PRESENCE TN
Active infrared sensor for security

Cp P111656 - **Ci** 2611317
VIO-ST
Infrared safety sensor, monitored

Cp P111759 - **Ci** 2611361
OT 3
Elbow-operated pushbutton, silver

1 VISTA TL kit
2 Profiles kit
3 Toothed belt
4 Expansion kit
5 Boom attachment PRV AA TL profile (accessory)



VISTA TL - Standard configuration with automation kit

Code	International code	Name	
P960611 00002	**2605507**	**KIT MONTAGGIO VISTA TL 4 ANTE**	
P960612 00002	**2605509**	**KIT PROFILI VISTA TL 6,8M O**	
D191195	**2603495**	**TOOTHED BELT PU RTD8-10mm ANTIS - 30m**	
P111717	**2611345**	**PRV AA TL**	
P111503	**2600476**	**BBV SLC TL**	
D113722	**2600305**	**VISTA SEL**	
N733408	**2605036**	**ERV**	
P111653	**2611314**	**VIO-DT2**	

(*) four panels, each panel 1.1 m.

Configuration options (2 panels)

Code	International code	Name		Description
P960610 00002	**2605506**	**KIT MONTAGGIO VISTA TL 2 ANTE**		Mounting kit for two-panel automatic doors VISTA TL.
P960613 00002	**2605510**	**KIT PROFILI VISTA TL 4,7M O**		VISTA TL profiles kit 4.7m.
D191195	**2603495**	**TOOTHED BELT PU RTD8-10mm ANTIS - 30m**		Anti-static 10 mm polyurethane toothed drive belt.

Configuration options (4 panels)

Code	International code	Name		Description
P960611 00002	**2605507**	**KIT MONTAGGIO VISTA TL 4 ANTE**		Mounting kit for four-panel automatic doors VISTA TL.
P960612 00002	**2605509**	**KIT PROFILI VISTA TL 6,8M O**		VISTA TL profiles kit 6.8m.
D191195	**2603495**	**TOOTHED BELT PU RTD8-10mm ANTIS - 30m**		Anti-static 10 mm polyurethane toothed drive belt.

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
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activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
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release systems P. 292

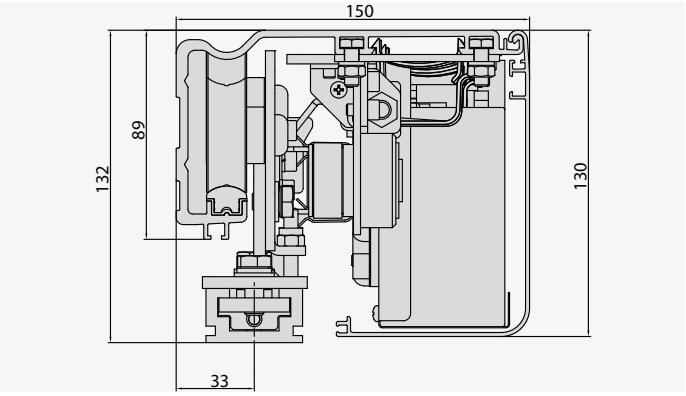
VISTA EMERGENCY

BUILDING ACCESS AUTOMATION

24 V

The VISTA EMERGENCY redundancy system can be installed on escape routes and emergency exits, replacing traditional automations with sliding doors with breakout swing panels.
It offers a sophisticated emergency system that enables evacuation by opening the door panels, in accordance with the requirements of European standard EN16005 - Automated Pedestrian Doors. Safety in use.
The double winding brushless motor fitted to the automation means the door is very quiet when operating and is highly reliable over time with minimal maintenance.
Also available in the automation kit version (MODULE KIT), to be used with the profile set and the belt.

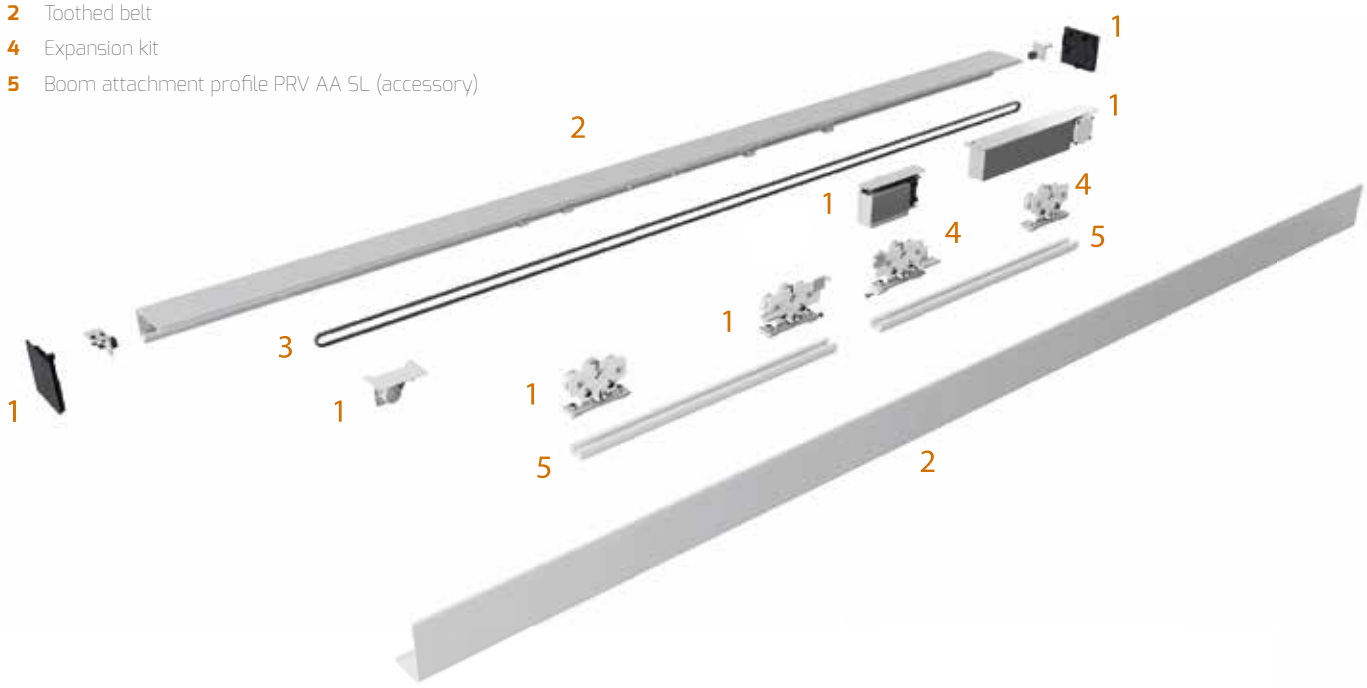
DIMENSIONS (mm)



TECHNICAL FEATURES

	VISTA EMERGENCY 1 ANTA	VISTA EMERGENCY 2 ANTE
Leaf type	Sliding	Sliding
Clear opening	750 ÷ 2150 mm	800 ÷ 2900 mm
Door weight	140 kg	120 kg
Automation dimensions	130x150x6000 mm	130x150x6000 mm
Crosspiece dimensions	130x150 mm	130x150 mm
Power supply	100–240 VCA 50/60 Hz	100–240 VCA 50/60 Hz
Nominal power	70 W	70 W
Power consumption on standby	10 W	10 W
Opening speed	Max 0,8 m/sec (1 leaf)	Max 1,6 m/sec (1 leaf)
Closing speed	Max 0,8 m/sec (1 leaf)	Max 1,6 m/sec (1 leaf)
Motor type	DOUBLE WINDING BRUSHLESS	DOUBLE WINDING BRUSHLESS
Use cycle	Continuous operation	Continuous operation
Protection rating	IP20	IP20
Temperature range	-15 ÷ 50 °C	-15 ÷ 50 °C

1 VISTA EMERGENCY module kit
2 Toothed belt
4 Expansion kit
5 Boom attachment profile PRV AA 5L (accessory)



VISTA EMERGENCY - Standard configuration with automation kit

Code	International code	Name	
P960700	2613346	VISTA EMERGENCY MODULE KIT 100-240V	
P960671 00002	2613380	VISTA SLK PROFILES KIT 4.4M	
D191196	2607750	ANTI-STATIC BELT RPP5-12-KB2125 L.50 MT	
P111798	2605180	EXPANSION KIT VISTA SLK MODULE - DOUBLE LEAF	
P111681	2611330	PRV AA SL	
P111807	2613351	IXIO-DT3 SAFETY AND OPENING SENSOR	
P111808	2613352	BLB	
P111809	2613350	FRM	
P111810	2613353	PEM	
P111811	2613367	BDG BADGE FOR VISTA EMERGENCY - 10 PCS	

RECOMMENDED ACCESSORIES

Cp P111808 - **Ci** 2613352
BLB

Bistable locking device for keeping the door in the locked/ unlocked position without requiring a continuous current.

Cp P111809 - **Ci** 2613350
FRM

Magnetic brake device used to lock the door in any position. In case of malfunction, the door can be operated manually.

Cp P111810 - **Ci** 2613353
PEM

Emergency button for manually operating the leaf if required.

Cp P111653 - **Ci** 2611314
VIO-DT2

Safety and bi-directional activation sensor, dual technology, monitored

Cp P111654 - **Ci** 2611315
VIO-DT1

Safety and mono-directional activation sensor, dual technology, monitored

Cp P111655 - **Ci** 2611316
IXIO-DT1

Safety and mono-directional activation sensor, dual technology, monitored, programmable c.telecom.

Cp P111656 - **Ci** 2611317
VIO-ST

Infrared safety sensor, monitored

Cp P111755 - **Ci** 2611358
OA-PRESENCE TN

Active infrared sensor for security

Cp P111811 - **Ci** 2613367
BDG BADGE FOR VISTA EMERGENCY - 10 PCS

Badge for modifying the switch functions, normally protected against accidental settings changes.

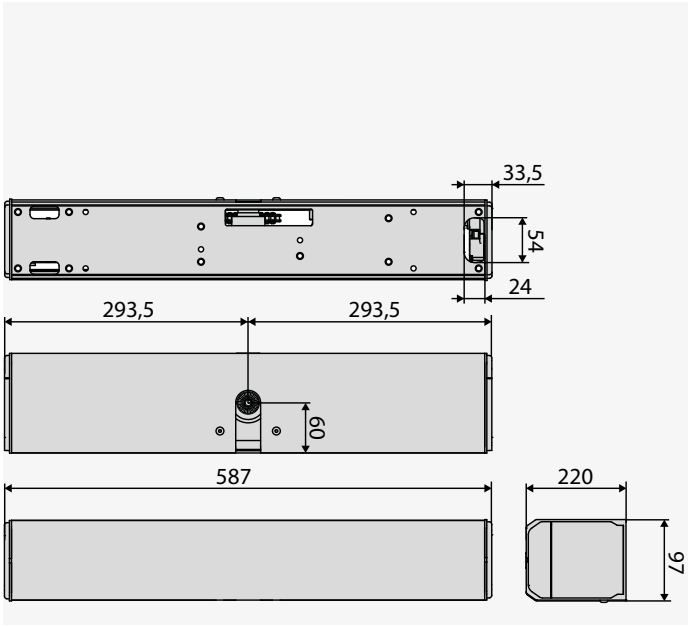
VISTA SW 260

BUILDING ACCESS AUTOMATION

24 V

Automation for swing doors for automating large and heavy leaves.
Available with motorised control of opening and closing and with control of closing return spring.
Designed for frequent and intensive use, typical of healthcare facilities and hotels.

DIMENSIONS (mm)



TECHNICAL FEATURES

	VISTA SW 260 MXL	VISTA SW 260 SXL
Leaf type	Swing	Swing
Closing	With motor	With return spring
Number of gate panels	1	1
Max Leaf	260 kg	260 kg
Max automation dimensions	120x95x587 mm	120x95x587 mm
Clear opening	600 ÷ 1400 mm	600 ÷ 1400 mm
Maximum opening angle	110 °	110 °
Opening speed per leaf	up to 70 °/sec	up to 70 °/sec
Closing speed per leaf	up to 40 °/sec	up to 40 °/sec
Control unit	Digital display and dip switch	Digital display and dip switch
Motor voltage	24 V	24 V
Motor type	Dunker	Dunker
Power supply	230V ±10% AC 50/60Hz	230V ±10% AC 50/60Hz
Nominal power	85 W	85 W
Shaft max output torque	35 Nm	35 Nm
Frequency of use	Continuous	Continuous
Anti-crushing function	Force automatically limited in presence of obstacles	Force automatically limited in presence of obstacles
Type of limit switch	encoder	encoder
Emergency operation	with emergency back-up battery (optional)	with emergency back-up battery (optional)
Manual cycle	Reversible	Reversible

	VISTA SW 260 MXL	VISTA SW 260 SXL
Locking	Solenoid Lock	Solenoid Lock
Operating temperature	-10 ÷ 50 °C	-10 ÷ 50 °C
Protection rating	IP40	IP40

Code	International code	Name		Description
P960666 00002	**2605539**	**VISTA SW 260 MXL**		Operator for swing doors with motor-driven opening and closing. Maximum gate panel weight 260 kg. Ideal for "fail safe" installations (optional battery) Compact size, ideal for use in small spaces.
P960667 00002	**2605540**	**VISTA SW 260 SXL**		Operator for swing doors with motor and spring closure. Maximum gate panel weight 260 kg. Ideal when the gate needs to be closed even when there is no power supply. In this case, the spring allows for manual opening and automatic mechanical closing. Compact size, ideal for use in small spaces.

VITAL ACCESSORIES

Cp P111790 - **Ci** 2605172
ASW 260 XL RIG

Rigid pull arm Vista SW 260 XL.

Cp P111791 - **Ci** 2605173
ASW 260 XL ART

Articulated push arm Vista SW 260 XL.

Cp P111792 - **Ci** 2605174
EXT ASW350 260 XL L=90

Arm connection L=90 mm Vista SW XL, spacer

Cp P111796 - **Ci** 2605178
EXT ASW350 260 XL L=110

Arm connection L=110 mm Vista SW XL, spacer

Cp P111797 - **Ci** 2605179
EXT ASW350 260 XL L=130

Arm connection L=130 mm Vista SW XL, spacer

Cp P111795 - **Ci** 2607191
BBV SW 260

Emergency battery kit VISTA SW 260.

Cp P111794 - **Ci** 2605176
ASW 260 XL ARTL ARTIC. ARM PUSH LONG SW 260

Articulated push arm Vista SW 260 XL.

Cp D113789 - **Ci** 2607504
VISTA SEL SW

Function selector Vista SW

Cp P111657 00001 - **Ci** 2611318
4SAFE IR SAFETY SENSOR MONIT.SW/1MOD/700

Monitored IR safety sensor for side-hung leaves, 1 module, 700 mm

Cp P111657 00002 - **Ci** 2611319
4SAFE IR SAFETY SENSOR MONIT.SW/2MOD/700

Monitored IR safety sensor for side-hung leaves, 2 modules, 700 mm

Cp P111657 00003 - **Ci** 2611320
4SAFE IR SAFETY SENSOR MONIT.SW/2MOD/900

Monitored IR safety sensor for side-hung leaves, 2 modules, 900 mm

RECOMMENDED ACCESSORIES

Cp P111793 - **Ci** 2605175
TSWP XL 260 PROFILES VISTA SW 260 DUAL

Profiles Vista SW double, 1,5 m.

Cp P113035 - **Ci** 2614056
MAGIC SWITCH

Contactless opening detector with LED access option in detection or when idle. IP54 rating.

new **Cp** P111817 - **Ci** 2614084
LZR FLATSCAN SW LEFT BLACK

Laser technology safety sensor for swing gates. For left-hand installation.

new **Cp** P111818 - **Ci** 2614085
LZR FLATSCAN SW RIGHT BLACK

Laser technology safety sensor for swing gates. For right-hand installation.

new **Cp** P111036 - **Ci** P111036
MASTER/SLAVE SW260 CABLE

Connection cable for Master/Slave configurations.

Cp P111656 - **Ci** 2611317
VIO-ST

Infrared safety sensor, monitored

Cp P111662 - **Ci** 2611321
VIO-M

Compact mono-directional activation sensor

Cp P111756 - **Ci** 2611359
OA-EDGE T 340 1M

Active infrared sensor for security L 340 mm with 1 module with safety test

Cp P111757 - **Ci** 2611360
OA-EDGE T 700 1M

Active infrared sensor for security L 700 mm with 1 module with safety test

Cp P111759 - **Ci** 2611361
OT 3

Elbow-operated pushbutton, silver

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

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access control P. 282
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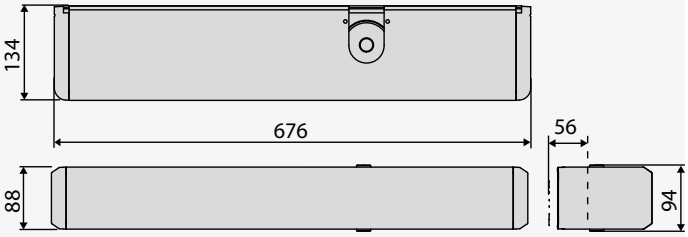
VISTA SW 350

Automation for swing doors for automating large and very heavy leaves.
Available with motorised control of opening and closing and with control of closing return spring. The version with spring is suitable for use on fire doors.
Designed for frequent and intensive use, typical of healthcare facilities and hotels.

DIMENSIONS (mm)



TECHNICAL FEATURES

	VISTA SW 350 MXL PORTA BATTENTE SENZA MOLLA	VISTA SW 350 SXL PORTA BATTENTE CON MOLLA
Leaf type	Swing	Swing
Closing	With motor	With return spring
Number of gate panels	1	1
Max Leaf	350 kg	350 kg
Max automation dimensions	134x95x676 mm	134x95x676 mm
Clear opening	700 ÷ 1400 mm	700 ÷ 1400 mm
Maximum opening angle	110 °	110 °
Opening speed per leaf	up to 70 °/sec	up to 70 °/sec
Closing speed per leaf	up to 40 °/sec	up to 40 °/sec
Control unit	Digital display and dip switch	Digital display and dip switch
Motor voltage	24 V	24 V
Motor type	Dunker	Dunker
Power supply	230V ±10% AC 50/60Hz	230V ±10% AC 50/60Hz
Nominal power	85 W	85 W
Shaft max output torque	45 Nm	45 Nm
Frequency of use	Continuous	Continuous
Anti-crushing function	Force automatically limited in presence of obstacles	Force automatically limited in presence of obstacles
Type of limit switch	encoder	encoder
Emergency operation	with emergency back-up battery (optional)	with emergency back-up battery (optional)
Manual cycle	Reversible	Reversible
Locking	Solenoid Lock	Solenoid Lock
Operating temperature	-10 ÷ 50 °C	-10 ÷ 50 °C
Protection rating	IP40	IP40
Use with fire doors.	-	SI (EN1634-1)

Code	International code	Name		Description
P960578 00002	**2605487**	**VISTA SW 350 MXL PORTA BATTENTE SENZA MOLLA**		Operator for swing doors with motor opening and closing. Maximum leaf weight 350 kg. Ideal for "fail safe" installations (battery management) Ideal for "fail safe" installations (management with batteries)
P960577 00002	**2605486**	**VISTA SW 350 SXL PORTA BATTENTE CON MOLLA**		Operator for swing doors with motor and return spring. Door panel with maximum weight of 350 kg. Ideal for "low energy" installations (spring closure) and on fire doors. Ideal for "low energy" installations (spring closure) and on fire doors

VITAL ACCESSORIES

Cp D113789 - **Ci** 2607504
VISTA SEL SW

Function selector Vista SW

Cp P111563 00002 - **Ci** 2605138
EXT ASW 350 XL 50

Arm connection L=50 mm Vista SW XL, spacer

Cp P111563 00004 - **Ci** 2605140
EXT ASW 350 XL 90

Arm connection L=90 mm Vista SW XL, spacer

Cp P111565 - **Ci** 2605142
ASW 350 XL RIG

Vista SW XL rigid pull arm. Jamb max dimens.: 100 mm

Cp P111567 - **Ci** 2605144
ASW 350 XL ARTL

Vista SW XL long articulated push arm. Jamb dimens. 150 mm

Cp P111563 00001 - **Ci** 2600979
EXT ASW 350 XL 30

Vista SW 260 XL arm connection, spacer

Cp P111563 00003 - **Ci** 2605139
EXT ASW 350 XL 70

Arm connection L=70 mm Vista SW XL, spacer

Cp P111564 - **Ci** 2607185
BBV SW 350 MXL

Emergency battery kit for Vista SW MXL, compatible with SXL with external installation

Cp P111566 - **Ci** 2605143
ASW 350 XL ART

Vista SW XL articulated push arm. Max jamb dimens.: 150 mm

RECOMMENDED ACCESSORIES

Cp P113035 - **Ci** 2614056
MAGIC SWITCH

Contactless opening detector with LED access option in detection or when idle. IP54 rating.

new **Cp** P111818 - **Ci** 2614085
LZR FLATSCAN SW RIGHT BLACK

Laser technology safety sensor for swing gates. For right-hand installation.

Cp P111657 00002 - **Ci** 2611319
4SAFE IR SAFETY SENSOR MONIT.SW/2MOD/700

Monitored IR safety sensor for side-hung leaves, 2 modules, 700 mm

Cp P111656 - **Ci** 2611317
VIO-ST

Infrared safety sensor, monitored

Cp P111757 - **Ci** 2611360
OA-EDGE T 700 1M

Active infrared sensor for security L 700 mm with 1 module with safety test

Cp P111568 - **Ci** 2605145
TSWP 350 XL

Profiles Vista SW double, 1,5 m.

new **Cp** P111817 - **Ci** 2614084
LZR FLATSCAN SW LEFT BLACK

Laser technology safety sensor for swing gates. For left-hand installation.

Cp P111657 00003 - **Ci** 2611320
4SAFE IR SAFETY SENSOR MONIT.SW/2MOD/900

Monitored IR safety sensor for side-hung leaves, 2 modules, 900 mm

Cp P111657 00001 - **Ci** 2611318
4SAFE IR SAFETY SENSOR MONIT.SW/1MOD/700

Monitored IR safety sensor for side-hung leaves, 1 module, 700 mm

Cp P111756 - **Ci** 2611359
OA-EDGE T 340 1M

Active infrared sensor for security L 340 mm with 1 module with safety test

Cp P111759 - **Ci** 2611361
OT 3

Elbow-operated pushbutton, silver

Cp Code
Ci International code

U-Link
new New
Ph Out Phase-out

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solenoid locks P. 291
release systems P. 292

Accessories

Code	Name		
P111159 00001	PPA 10 107		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 107
P111159 00002	PPA 10 108		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 108
P111159 00003	PPA 10 109		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 109
P111159 00004	PPA 10 110		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 110
P111159 00005	PPA 10 111		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 111
P111159 00006	PPA 10 112		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 112
P111159 00007	PPA 10 113		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 113
P111159 00008	PPA 10 114		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 114
P111159 00009	PPA 10 115		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 115
P111159 00010	PPA 10 116		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 116
P111159 00011	PPA 10 117		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 117
P111159 00012	PPA 10 119		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 119
P111159 00013	PPA 10 121		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 121
P111159 00014	PPA 10 123		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 123
P111159 00015	PPA 10 125		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 125
P111159 00016	PPA 10 208		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 208
P111159 00017	PPA 10 209		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 209
P111159 00018	PPA 10 210		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 210
P111159 00019	PPA 10 211		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 211
P111159 00020	PPA 10 212		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 212
P111159 00021	PPA 10 213		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 213
P111159 00022	PPA 10 214		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 214
P111159 00023	PPA 10 215		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 215
P111159 00024	PPA 10 216		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 216
P111159 00025	PPA 10 217		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 217
P111159 00026	PPA 10 219		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 219
P111159 00027	PPA 10 221		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 221
P111159 00028	PPA 10 223		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 223
P111159 00029	PPA 10 225		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 225
P111159 00030	PPA 10 227		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 227
P111159 00031	PPA 10 229		Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 229
P111159 00064	PPA 12 108		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 108
P111159 00065	PPA 12 109		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 109
P111159 00066	PPA 12 110		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 110
P111159 00067	PPA 12 111		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 111
P111159 00068	PPA 12 112		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 112
P111159 00069	PPA 12 113		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 113
P111159 00070	PPA 12 114		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 114
P111159 00071	PPA 12 115		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 115
P111159 00073	PPA 12 117		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 117
P111159 00074	PPA 12 119		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 119
P111159 00076	PPA 12 123		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 123
P111159 00078	PPA 12 208		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 208
P111159 00079	PPA 12 209		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 209
P111159 00080	PPA 12 210		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 210

Accessories

Code	Name		
P111159 00081	PPA 12 211		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 211
P111159 00082	PPA 12 212		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 212
P111159 00083	PPA 12 213		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 213
P111159 00084	PPA 12 214		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 214
P111159 00085	PPA 12 215		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 215
P111159 00086	PPA 12 216		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 216
P111159 00087	PPA 12 217		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 217
P111159 00088	PPA 12 219		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 219
P111159 00089	PPA 12 221		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 221
P111159 00092	PPA 12 227		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 227
P111159 00093	PPA 12 229		Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 229
P111162 00001	PPA10 GET CLAMP GLASS KIT SP10 (BY THE METRE)		Profile clamp kit for glass leaves 10mm. Allows the fitting of approx. 6 clamps for leaves of width 1000mm
P111162 00002	PPA12 GET CLAMP GLASS KIT SP12 (BY THE METRE)		Profile clamp kit for glass leaves 12mm. Allows the fitting of approx. 6 clamps for leaves of width 1000mm
P111522 00001	KIT PPA 10		Profile clamp kit for glass leaves 10mm. Allows the fitting of approx. 6 clamps for leaves of width 1000mm
P111522 00002	KIT PPA 12		Profile clamp kit for glass leaves 12mm. Allows the fitting of approx. 6 clamps for leaves of width 1000mm

Guide to choosing

Clear opening	Motor power supply	Frequency of use	Kit	Model	Plus
ROAD BARRIERS					
from 2,0 to 6,0 m	120 V	Continuous	-	MAXIMA ULTRA 36 120V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 120V RAL	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 120V INOX	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 XL 120V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 XL RAL 120V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 XL INOX 120V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
	230 V		-	MAXIMA ULTRA 36 230V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 230V RAL	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 INOX 230V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 XL 230V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 XL RAL 230V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 XL INOX 230V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
from 2,5 to 3,0 m	120 V		-	MAXIMA ULTRA 36 120V EX4	Automatic opening in the event of a power cut.
	230 V		-	MAXIMA ULTRA 36 230V EX4	Automatic opening in the event of a power cut.
from 3,0 to 4,0 m	120 V		-	MAXIMA ULTRA 36 XL 120V EX4	Automatic opening in the event of a power cut.
	230 V		-	MAXIMA ULTRA 36 XL 230V EX4	Automatic opening in the event of a power cut.
from 4,0 to 8,0 m		very intensive	-	MAXIMA ULTRA 68 SM	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 68 SM - RAL	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 68 SM + ASS SPRING	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 68 SM + ASS SPRING RAL	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.

Clear opening	Motor power supply	Frequency of use	Kit	Model	Plus
from 1,7 to 5,0 m	120 V	Continuous	-	MAXIMA ULTRA 35 SM 115V NPB NO SPRING	U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 35 SM 115V NPB NO SPRING RAL	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
	230 V		-	MAXIMA ULTRA 35 SM	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 35 SM - RAL	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 35 SM + ASS SPRING	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 35 SM + ASS SPRING RAL	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 35 SM STAINLESS STEEL INV NO LOCK&SPRING	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
from 1,7 to 3,0 m	120 V	very intensive	-	MAXIMA 30 NPB 120V	Fast barrier.
	230 V		-	MAXIMA 30	Fast barrier.
			-	MAXIMA 30 - RAL	Fast barrier.
from 4,0 to 6,4 m		intensive	-	MAXIMA 60	Intensive barrier.
			-	MAXIMA 60 - RAL	Intensive barrier.
from 6,5 to 8,0 m			-	MAXIMA 80	Wide useful passage.
			-	MAXIMA 80 - RAL	Wide useful passage.
3,0 m	24 V		-	GIOTTO BT A 30 U 230V50	Control unit with Ulink, display and receiver in head.
			-	GIOTTO BT A 30 U 230V50 RAL PERS	Control unit with Ulink, display and receiver in head.
			-	GIOTTO BT A 30 U 120V60	Control unit with Ulink, display and receiver in head.
	110 V	Semi intensive	-	MOOVI 30 BARR.BOOM 3MT 110V60HZ RAL	Control unit with built-in display and receiver.
			-	MOOVI 30 BARR.BOOM 3MT 110V60HZ RAL7015	Control unit with built-in display and receiver.
		intensive	-	MOOVI 30S VELOCE BOOM 3MT 110V60 RAL	Fast barrier.
			-	MOOVI 30S VELOCE BOOM 3MT 110V60 RAL7015	Fast barrier.
	230 V	Semi intensive	-	MOOVI 30	Control unit with built-in display and receiver.
			-	MOOVI 30 RAL	Control unit with built-in display and receiver.
			-	MOOVI 30 RMM	Control unit with built-in display and receiver.
			-	MOOVI 30 RMM RAL	Control unit with built-in display and receiver.
		intensive	-	MOOVI 30S	Fast barrier.
			-	MOOVI 30S RAL	Fast barrier.

Cp **Code**

Ci **International code**

U-Link

New

Phase-out

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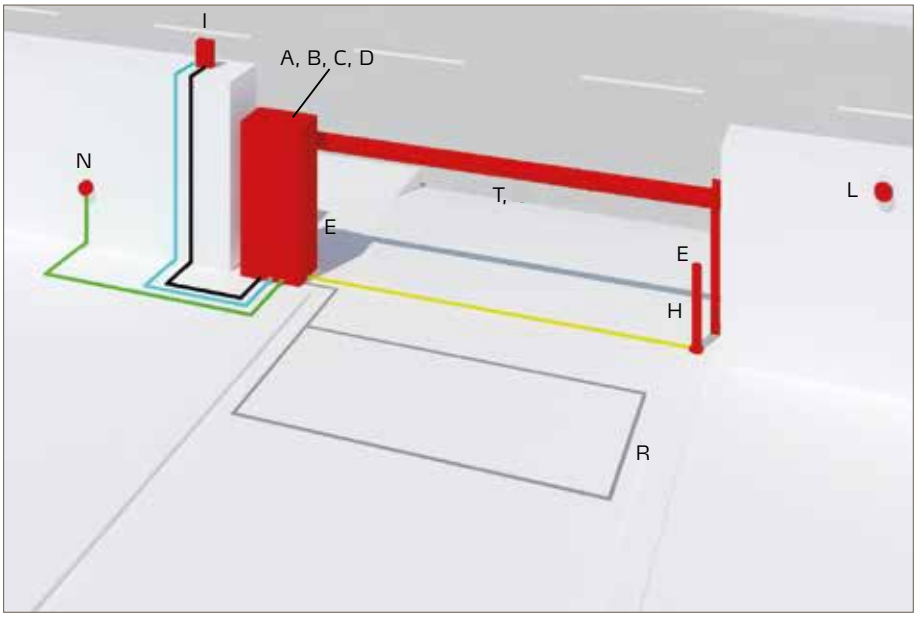
Clear opening	Motor power supply	Frequency of use	Kit	Model	Plus
4 m	24 V	very intensive	-	GIOTTO BT A ULTRA36 230V50	Integrated control unit with U-Link connectivity.
			-	GIOTTO BT A ULTRA36 230V50 RAL PERS	Integrated control unit with U-Link connectivity.
			-	GIOTTO BT A ULTRA36 120V60	Integrated control unit with U-Link connectivity.
			-	GIOTTO BT A ULTRA36 120V60 RAL PERS	Integrated control unit with U-Link connectivity.
6 m		intensive	-	GIOTTO BT A ULTRA36 XL 230V50	Integrated control unit with U-Link connectivity.
			-	GIOTTO BT A ULTRA36 XL 230V50 RAL PERS	Integrated control unit with U-Link connectivity.
			-	GIOTTO BT A ULTRA36 XL 120V60	Integrated control unit with U-Link connectivity.
			-	GIOTTO BT A ULTRA36 XL 120V60 RAL PERS	Integrated control unit with U-Link connectivity.
			-	GIOTTO BT A 60 U 230V50	Control unit with Ulink, display and receiver in head.
			-	GIOTTO BT A 60 U 230V50 RAL PERS	Control unit with Ulink, display and receiver in head.
			-	GIOTTO BT A 60 U 120V60	Control unit with Ulink, display and receiver in head.
			-	MICHELANGELO BT A 60 U	Built-in warning light.
			-	MICHELANGELO BT A 60 U RAL	Built-in warning light.
			-	MICHELANGELO BT A 60 U 120	Built-in warning light.
			-	MICHELANGELO BT A 60 U 120 RAL	Built-in warning light.
	110 V	Semi intensive	-	MOOVI 60 BAR.BOOM 5MT 110V50 RAL	Control unit with built-in display and receiver.
			-	MOOVI 60 BAR.BOOM 5MT 110V50 RAL7015	Control unit with built-in display and receiver.
			-	MOOVI 60 RMM PRED. BAR.5MT 110V50 RAL	Control unit with built-in display and receiver.
			-	MOOVI 60 RMM PRED. BAR.5MT 110V50 RAL7015	Control unit with built-in display and receiver.
	230 V		-	MOOVI 60	Control unit with built-in display and receiver.
			-	MOOVI 60 RAL	Control unit with built-in display and receiver.
			-	MOOVI 60 RMM	Control unit with built-in display and receiver.
			-	MOOVI 60 RMM RAL	Control unit with built-in display and receiver.
			-	MOOVI 60RMM INOX	Control unit with built-in display and receiver.
8 m	24 V	intensive	-	MICHELANGELO BT A 80 U	Built-in warning light.
			-	MICHELANGELO BT A 80 U RAL	Built-in warning light.
			-	MICHELANGELO BT A 80 U 120	Built-in warning light.
			-	MICHELANGELO BT A 80 U 120 RAL	Built-in warning light.

Installation guide



A	Operator
B	Control unit
C	Backup Batteries
D	Receiver
E	Photocell
H	Post
I	Blinker
L	Control system (key selector switch, keypad, badge reader)
N	Junction box
R	Magnetic loop detector
T	Boom
	2x1,5
	3x1,5
	RG 58
	2x1
	13x1

MAXIMA ULTRA 36

BUILDING ACCESS AUTOMATION

U-Link

rolling code

Silentech

inverter

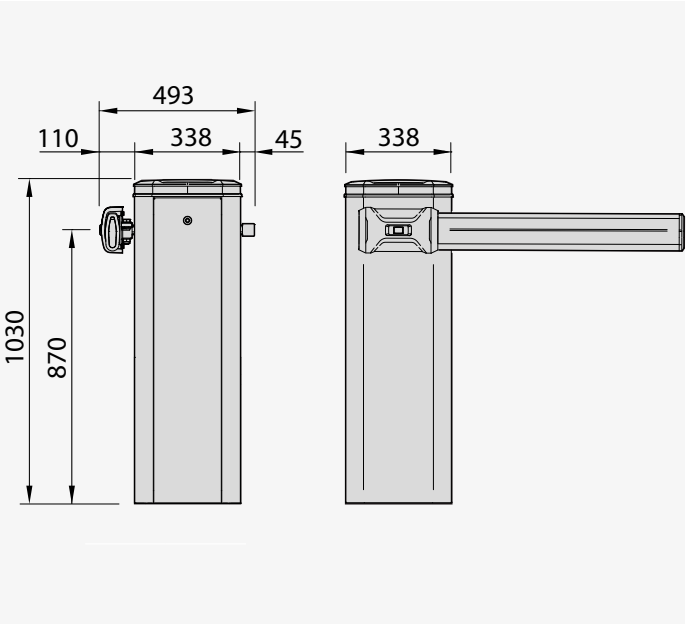
Oil Gear

Block

Encoder

Electromechanical barrier with inverter technology and three-phase asynchronous motor for high frequency of use, developed and designed for a wide range of operating conditions such as large car parks or motorway toll booths with frequent inversions of movement. Can control access points from 2 to 6 metres wide with fully accessorised barrier. Oil bath gearbox unit. Mechanical crankshaft movement which can deliver fluidity of movement of the bar and control its soft opening and closing movements. Cap with RGB lights (optional) with traffic light function, available parking spaces and self-diagnostics. Easier access thanks to the dual entrance. With U-Link protocol for integration with Parking Management or Building Management systems in a single model.

DIMENSIONS (mm)



TECHNICAL FEATURES

	MAXIMA ULTRA 36 230V	MAXIMA ULTRA 36 230V RAL	MAXIMA ULTRA 36 INOX 230V	MAXIMA ULTRA 36 120V
Opening time (depending on the width of the leaf)	from 0,7 to 3,9 s	from 0,7 to 3,9 s	from 0,7 to 3,9 s	from 0,7 to 3,9 s
Clear opening	from 2,0 to 6,0 m	from 2,0 to 6,0 m	from 2,0 to 6,0 m	from 2,0 to 6,0 m
Motor type	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous
Internal lubrication	In oil bath	In oil bath	In oil bath	In oil bath
Motor power supply	230 V	230 V	230 V	120 V
Control unit	CSB Xtreme	CSB Xtreme	CSB Xtreme	CSB Xtreme
Inverter	Yes	Yes	Yes	Yes
Slowdown	Yes	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure	Inside the structure
Frequency of use	Continuous	Continuous	Continuous	Continuous
MCBF (Mean Cycles Between Failures)	7000000 Op	7000000 Op	7000000 Op	7000000 Op
Processing type	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 304 stainless steel	RAL7015 cataphoresis coating and paint
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP55	IP55	IP55	IP55

	MAXIMA ULTRA 36 120V RAL	MAXIMA ULTRA 36 120V INOX	MAXIMA ULTRA 36 XL 230V	MAXIMA ULTRA 36 XL RAL 230V
Opening time (depending on the width of the leaf)	from 0,7 to 3,9 s	from 0,7 to 3,9 s	from 0,7 to 3,9 s	from 0,7 to 3,9 s
Clear opening	from 2,0 to 6,0 m	from 2,0 to 6,0 m	from 2,0 to 6,0 m	from 2,0 to 6,0 m
Motor type	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous
Internal lubrication	In oil bath	In oil bath	In oil bath	In oil bath
Motor power supply	120 V	120 V	230 V	230 V
Control unit	CSB Xtreme	CSB Xtreme	CSB Xtreme	CSB Xtreme
Inverter	Yes	Yes	Yes	Yes
Slowdown	Yes	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure	Inside the structure
Frequency of use	Continuous	Continuous	Continuous	Continuous
MCBF (Mean Cycles Between Failures)	7000000 Op	7000000 Op	7000000 Op	7000000 Op
Processing type	Special RAL cataphoresis coating and paint	AISI 304 stainless steel	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP55	IP55	IP55	IP55

	MAXIMA ULTRA 36 XL INOX 230V	MAXIMA ULTRA 36 XL 120V	MAXIMA ULTRA 36 XL RAL 120V	MAXIMA ULTRA 36 XL INOX 120V
Opening time (depending on the width of the leaf)	from 0,7 to 3,9 s	from 0,7 to 3,9 s	from 0,7 to 3,9 s	from 0,7 to 3,9 s
Clear opening	from 2,0 to 6,0 m	from 2,0 to 6,0 m	from 2,0 to 6,0 m	from 2,0 to 6,0 m
Motor type	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous
Internal lubrication	In oil bath	In oil bath	In oil bath	In oil bath
Motor power supply	230 V	120 V	120 V	120 V
Control unit	CSB Xtreme	CSB Xtreme	CSB Xtreme	CSB Xtreme
Inverter	Yes	Yes	Yes	Yes
Slowdown	Yes	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure	Inside the structure
Frequency of use	Continuous	Continuous	Continuous	Continuous
MCBF (Mean Cycles Between Failures)	7000000 Op	7000000 Op	7000000 Op	7000000 Op
Processing type	AISI 304 stainless steel	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 304 stainless steel
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP55	IP55	IP55	IP55

	MAXIMA ULTRA 36 230V EX4	MAXIMA ULTRA 36 120V EX4	MAXIMA ULTRA 36 XL 230V EX4	MAXIMA ULTRA 36 XL 120V EX4
Opening time (depending on the width of the leaf)	from 0,8 to 1,2 s	from 0,8 to 1,2 s	from 0,8 to 1,2 s	from 0,8 to 1,2 s
Clear opening	from 2,5 to 3,0 m	from 2,5 to 3,0 m	from 3,0 to 4,0 m	from 3,0 to 4,0 m
Motor type	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous
Internal lubrication	In oil bath	In oil bath	In oil bath	In oil bath
Motor power supply	230 V	120 V	230 V	120 V
Control unit	CSB Xtreme	CSB Xtreme	CSB Xtreme	CSB Xtreme
Inverter	Yes	Yes	Yes	Yes
Slowdown	Yes	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure	Inside the structure
Frequency of use	Continuous	Continuous	Continuous	Continuous
MCBF (Mean Cycles Between Failures)	7000000 Op	7000000 Op	7000000 Op	7000000 Op
Processing type	RAL7015 cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	RAL7015 cataphoresis coating and paint
Environmental conditions	-40 ÷ 55 °C	-40 ÷ 55 °C	-40 ÷ 55 °C	-40 ÷ 55 °C
Protection rating	IP55	IP55	IP55	IP55

Cp **Code**

Ci **International code**

U-Link

New

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Code	International code	Name		Description
P940093 00002	**2600943**	**MAXIMA ULTRA 36 230V**		230 V electromechanical barrier with three-phase asynchronous motor and inverter, for controlling gates from 2 to 6 m wide. Opening time between 0.7 and 4 seconds, with slowdown. Maximum barrier length 6 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version with spring. Colour RAL 7015. U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
P940093 00102	**2601391**	**MAXIMA ULTRA 36 230V RAL**		230 V electromechanical barrier with three-phase asynchronous motor and inverter, for controlling gates from 2 to 6 m wide. Opening time between 0.7 and 4 seconds, with slowdown. Maximum barrier length 6 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version with spring. Special RAL colour. U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft. Check colour availability and type of finish with your regular supplier.
P940093 00202	**2605378**	**MAXIMA ULTRA 36 INOX 230V**		230 V electromechanical barrier with three-phase asynchronous motor and inverter, for controlling gates from 2 to 6 m wide. Opening time between 0.7 and 4 seconds, with slowdown. Maximum barrier length 6 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version with spring. Stainless steel barrier body. U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
P940093 00001	**2605377**	**MAXIMA ULTRA 36 120V**		120 V electromechanical barrier with three-phase asynchronous motor and inverter, for controlling gates from 2 to 6 m wide. Opening time between 0.7 and 4 seconds, with slowdown. Maximum barrier length 6 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version with spring. Colour RAL 7015. U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
P940093 00101	**2612807**	**MAXIMA ULTRA 36 120V RAL**		120 V electromechanical barrier with three-phase asynchronous motor and inverter, for controlling gates from 2 to 6 m wide. Opening time between 0.7 and 4 seconds, with slowdown. Maximum barrier length 6 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version with spring. Special RAL colour. U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
P940093 00201	**2612808**	**MAXIMA ULTRA 36 120V INOX**		120 V electromechanical barrier with three-phase asynchronous motor and inverter, for controlling gates from 2 to 6 m wide. Opening time between 0.7 and 4 seconds, with slowdown. Maximum barrier length 6 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version with spring. Stainless steel barrier body. U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
P940094 00002	**2613062**	**MAXIMA ULTRA 36 XL 230V**		230 V electromechanical barrier with three-phase asynchronous motor and inverter, for controlling gates from 2 to 6 m wide. Opening time between 0.7 and 4 seconds, with slowdown. Maximum barrier length 6 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version with strong spring. Colour RAL 7015. U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
P940094 00102	**2601275**	**MAXIMA ULTRA 36 XL RAL 230V**		230 V electromechanical barrier with three-phase asynchronous motor and inverter, for controlling gates from 2 to 6 m wide. Opening time between 0.7 and 4 seconds, with slowdown. Maximum barrier length 6 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version with strong spring. Special RAL colour. U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft. Check colour availability and type of finish with your regular supplier.
P940094 00202	**2605384**	**MAXIMA ULTRA 36 XL INOX 230V**		230 V electromechanical barrier with three-phase asynchronous motor and inverter, for controlling gates from 2 to 6 m wide. Opening time between 0.7 and 4 seconds, with slowdown. Maximum barrier length 6 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version with strong spring. Stainless steel barrier body. U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.

Code	International code	Name		Description
P940094 00001	**2605383**	**MAXIMA ULTRA 36 XL 120V**		120 V electromechanical barrier with three-phase asynchronous motor and inverter, for controlling gates from 2 to 6 m wide. Opening time between 0.7 and 4 seconds, with slowdown. Maximum barrier length 6 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version with strong spring. Colour RAL 7015. U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
P940094 00101	**2612809**	**MAXIMA ULTRA 36 XL RAL 120V**		120 V electromechanical barrier with three-phase asynchronous motor and inverter, for controlling gates from 2 to 6 m wide. Opening time between 0.7 and 4 seconds, with slowdown. Maximum barrier length 6 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version with strong spring. Special RAL colour. U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
P940094 00201	**2612810**	**MAXIMA ULTRA 36 XL INOX 120V**		120 V electromechanical barrier with three-phase asynchronous motor and inverter, for controlling gates from 2 to 6 m wide. Opening time between 0.7 and 4 seconds, with slowdown. Maximum barrier length 6 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version with strong spring. Stainless steel barrier body. U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
P940093 00012	**2612806**	**MAXIMA ULTRA 36 230V EX4**	new	Electromechanical barrier 230 V with automatic opening in the event of a power cut, without using an additional UPS unit. Used for controlling from 2,5 to 3,0 m entrances. Opening time from 0,8 to 1,2 s with deceleration. Suitable for installation in public spaces (e.g. hospitals, car parks, schools) and other sites subject to security regulations. Version with spring. Colour RAL 7015. U-Link embedded. Reversible oil bath gearbox unit and asynchronous three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft. Automatic opening in the event of a power cut.
P940093 00011	**2613362**	**MAXIMA ULTRA 36 120V EX4**	new	Electromechanical barrier 120 V with automatic opening in the event of a power cut, without using an additional UPS unit. Used for controlling from 2,5 to 3,0 m entrances. Opening time from 0,8 to 1,2 s with deceleration. Suitable for installation in public spaces (e.g. hospitals, car parks, schools) and other sites subject to security regulations. Version with spring. Colour RAL 7015. U-Link embedded. Reversible oil bath gearbox unit and asynchronous three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft. Automatic opening in the event of a power cut.
P940094 00012	**2613364**	**MAXIMA ULTRA 36 XL 230V EX4**	new	Electromechanical barrier 230 V with automatic opening in the event of a power cut, without using an additional UPS unit. Used for controlling from 3,0 to 4,0 m entrances. Opening time from 0,8 to 1,2 s with deceleration. Suitable for installation in public spaces (e.g. hospitals, car parks, schools) and other sites subject to security regulations. Version with spring. Colour RAL 7015. U-Link embedded. Reversible oil bath gearbox unit and asynchronous three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft. Automatic opening in the event of a power cut.
P940094 00011	**2613363**	**MAXIMA ULTRA 36 XL 120V EX4**	new	Electromechanical barrier 120 V with automatic opening in the event of a power cut, without using an additional UPS unit. Used for controlling from 3,0 to 4,0 m entrances. Opening time from 0,8 to 1,2 s with deceleration. Suitable for installation in public spaces (e.g. hospitals, car parks, schools) and other sites subject to security regulations. Version with spring. Colour RAL 7015. U-Link embedded. Reversible oil bath gearbox unit and asynchronous three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft. Automatic opening in the event of a power cut.

CSB Xtreme: 24V single operator control unit for barriers

CSB Xtreme - Cp I271551 60001 - Ci 2610399 - Built-in - (Spare part code, available for order through the Technical Support network)

- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards withe new colour standard,simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.
- 24V single operator control unit for barriers

Cp Code
Ci International code

U-Link
New
Phase-out

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VITAL ACCESSORIES

Cp P940095 00000 - **Ci** 2601327
Crown MAXIMA U36

Cap without lights for Maxima Ultra 36.

Cp P940095 00100 - **Ci** 2601380
Crown MAXIMA U36 RAL

Cap without lights for Maxima Ultra 36. Custom RAL

Cp P940095 00200 - **Ci** 2612811
Crown MAXIMA U36 INOX

Cap without lights for Maxima Ultra 36 INOX.

Cp P940095 00003 - **Ci** 2600942
Crown RGB MAXIMA U36

Cap with RGB lights for Maxima Ultra 36. Functions: flashing, traffic light, diagnostics.

Cp P940095 00103 - **Ci** 2601379
Crown RGB MAXIMA U36 RAL

Cap with RGB lights for Maxima Ultra 36. Custom RAL. Functions: flashing, traffic light, diagnostics.

Cp P940095 00203 - **Ci** 2605389
Crown RGB MAXIMA U36 INOX

Cap with RGB lights for Maxima Ultra 36 Stainless Steel. Functions: flashing, traffic light, diagnostics.

Cp P120087 00001 - **Ci** 2601376
BOOM PS30

Aluminium bar, opening L = 3 m with red reflectors. Includes rubber and upper optical diffuser. Lights excluded.

Cp P120087 00002 - **Ci** 2601377
BOOM PS40

Aluminium bar, opening L = 4 m with red reflectors. Includes rubber and upper optical diffuser. Lights excluded.

Cp P120087 00003 - **Ci** 2601378
BOOM PS50

Aluminium bar, opening L = 5 m with red reflectors. Includes rubber and upper optical diffuser. Lights excluded.

Cp P120087 00004 - **Ci** 2601277
BOOM PS60

Aluminium bar, opening L = 6 m with red reflectors. Includes rubber and upper optical diffuser. Lights excluded.

Cp P120084 00000 - **Ci** 2601263
OMEGA PS MAXIMA U36

Single lock for protective finger trapping casing and screws for MAXIMA ULTRA 36. BOOM PS bar excluded.

RECOMMENDED ACCESSORIES

Cp P120088 - **Ci** 2601264
DIMA PRO36

Foundation template and clamps for installation of Maxima Ultra 36 barriers.

Cp P120094 00000 - **Ci** 2601387
OMEGA FRA PS MAXIMA U36

Resettable impact protection connector (manual) for Maxima Ultra 36 barrier. BOOM PS bar excluded.

Cp P120089 20001 - **Ci** 2605241
LIGHT PS/ES 30-IP67

High intensity LED lighting kit, red-green, to be fitted on BOOM PS/ES bar up to 3 metres long. Power supply unit excluded.

Cp P120089 20002 - **Ci** 2605242
LIGHT PS/ES 40-IP67

High intensity LED lighting kit, red-green, to be fitted on BOOM PS/ES bar up to 4 metres long. Power supply unit excluded.

Cp P120089 20003 - **Ci** 2605243
LIGHT PS/ES 50-IP67

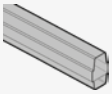
High intensity LED lighting kit, red-green, to be fitted on BOOM PS/ES bar up to 5 metres long. Power supply unit excluded.

Cp P120089 20004 - **Ci** 2605244
LIGHT PS/ES 60-IP67

High intensity LED lighting kit, red-green, to be fitted on BOOM PS/ES bar up to 6 metres long. Power supply unit excluded.

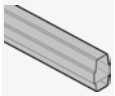
Cp P120075 - **Ci** 2601276
ALLU 2 MAXIMA ULTRA

Power supply for ATM LIGHT Kit on Maxima Ultra



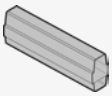
Cp P120091 - **Ci** 2601388
HYPHEN PS

Internal reinforcement/joint for BOOM PS booms. Already included in the Maxima Ultra 36 XL barriers but recommended for barriers L >= 5 m with or without accessories.



Cp P120108 - **Ci** 2605251
HYPHEN PS PRO

Internal reinforcement for BOOM PS booms L=175 cm. Increases the rigidity of the bar. Recommended for use in particularly windy areas.



Cp P120113 - **Ci** 2605261
PS JOINT

Joint for BOOM PS booms.

Cp P120085 - **Ci** 2601279
BTM-SKIRT

Lower skirt for BOOM PS booms. Module length L = 2 m.

Cp P120086 - **Ci** 2605234
FULL-SKIRT

Full skirt (top and bottom) for BOOM PS booms. Module length L = 2 m. Does not include SKIRT BRACKET required for anchoring the first module to the barrier body.

RECOMMENDED ACCESSORIES

Cp P120095 - **Ci** 2601389
BRACKET SKIRT

Connection bracket between barrier body and simple (BTM SKIRT) or double (FULL SKIRT) aluminium rack.

new **Cp** P120120 - **Ci** 2614917
KIT ART90 PS MAXIMA ULTRA36

Hinge accessories kit for PS 90° articulated bar on Maxima Ultra 36. Excludes tie rod, bar, bar connector and PS lights. Compatible with PS BOOMS

Cp P120092 00001 - **Ci** 2602692
ART90 BOOM PS30

Boom bar PS 90° articulated L = 5 m pre-fitted. Excludes LIGHT PS lighting.

Cp P120080 - **Ci** 2601319
FAF UNI R

Universal adjustable fork for all rods; recommended with installation of FULL SKIRT accessory.

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

Magnetic loop 2 x 1 m

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp 394073 - **Ci** 2604478
LASER SAFETY SENSOR

Safety laser detector. Its used in combination with magnetc loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.

Cp P111274 - **Ci** 2611230
RME 1 BT

24 V single channel metal object detector with installation base

Cp P120032 - **Ci** 2605197
SRV DIN

Standard DIN rail for interfacing barrier with parking system, configured and prewired with thermal magnetic switch, additional supply terminals, socket for metal mass detector and standard input/output terminal block

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P120093 - **Ci** 2613063
ADJ-FOOT

Suspended cushioned telescopic supporting foot for BOOM PS booms.

new **Cp** P120121 - **Ci** 2614918
TIE ROD FOR ART90 PS KIT

Tie rod to be combined with the hinge accessories kit for PS 90° articulated bar. Compatible with ART 90 PS MAXIMA ULTRA KIT 36 and ART 90 GIOTTO ULTRA 36 KIT

Cp P120092 00003 - **Ci** 2601373
ART90 BOOM PS50

Boom bar PS 90° articulated L = 5 m pre-fitted. Excludes LIGHT PS lighting.

Cp P120079 - **Ci** 2605230
EBB KIT ATML

Electric lock for ATML rods to be installed on an FAF UNI R adjustable fork.

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights. Diam. 60mm - h 3600mm

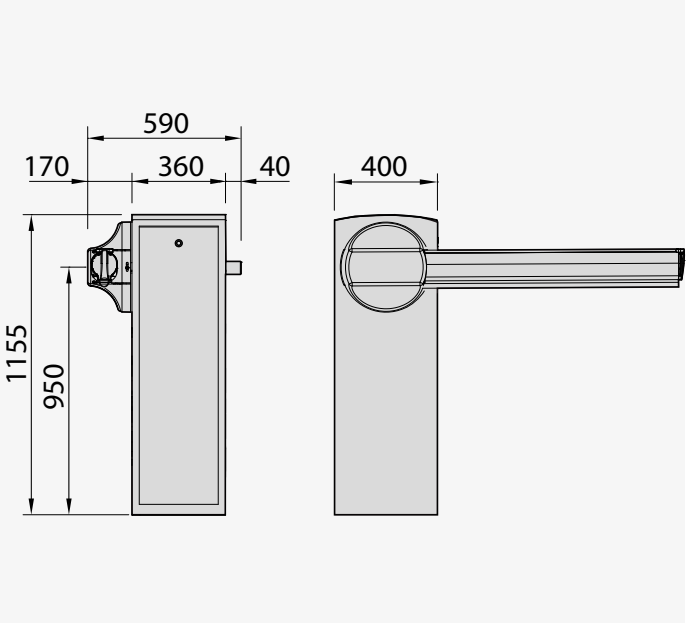
new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

MAXIMA ULTRA 68

Electromechanical barriers with speed variator and three-phase induction motor for high frequency of use. Designed and developed to operate in a wide variety of conditions such as large car parks, motorway tollgates with frequent reversing, industrial installations. Three-phase motor with inverter. Oil bath gear motor. Mechanical crankshaft movement (anti-vandalism system) which can deliver fluidity of movement and balance to the bar by also controlling its soft opening and closing. With U-Link protocol for integration with Parking Management or Building Management systems.

DIMENSIONS (mm)



TECHNICAL FEATURES

	MAXIMA ULTRA 68 SM	MAXIMA ULTRA 68 SM - RAL	MAXIMA ULTRA 68 SM + ASS SPRING	MAXIMA ULTRA 68 SM + ASS SPRING RAL
Opening time (depending on the width of the leaf)	from 4,5 to 6,0 s	from 4,5 to 6,0 s	from 4,5 to 6,0 s	from 4,5 to 6,0 s
Clear opening	from 4,0 to 8,0 m	from 4,0 to 8,0 m	from 4,0 to 8,0 m	from 4,0 to 8,0 m
Motor type	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous
Internal lubrication	In oil bath	In oil bath	In oil bath	In oil bath
Motor power supply	230 V	230 V	230 V	230 V
Control unit	CSB Xtreme	CSB Xtreme	CSB Xtreme	CSB Xtreme
Inverter	Yes	Yes	Yes	Yes
Slowdown	Yes	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure	Inside the structure
Frequency of use	very intensive	very intensive	very intensive	very intensive
MCBF (Mean Cycles Between Failures)	2000000 Op	2000000 Op	2000000 Op	2000000 Op
Processing type	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint
Environmental conditions	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C
Protection rating	IP54	IP54	IP54	IP54

Code	International code	Name		Description
P940074 00002	**2600872**	**MAXIMA ULTRA 68 SM**		230 V electromechanical barrier with asynchronous three-phase motor and inverter, for controlling from 4,0 to 8,0 m gates. Opening time from 4,5 to 6,0 s with deceleration. Maximum barrier length: 8 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. Colour RAL 7015 U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
P940074 00102	**2605346**	**MAXIMA ULTRA 68 SM - RAL**		230 V electromechanical barrier with asynchronous three-phase motor and inverter, for controlling from 4,0 to 8,0 m gates. Opening time from 4,5 to 6,0 s with deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. RAL colour to order. U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor. Check colour availability and type of finish with your regular supplier.
P940083	**2605376**	**MAXIMA ULTRA 68 SM + ASS SPRING**		230 V electromechanical barrier with asynchronous three-phase motor and inverter, for controlling from 4,0 to 8,0 m gates. Opening time from 4,5 to 6,0 s with deceleration. Maximum barrier length: 8 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Includes fitting of springs and balancing. Colour RAL 7015. Check colour availability and type of finish with your regular supplier. U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
P940074 00109	**2605348**	**MAXIMA ULTRA 68 SM + ASS SPRING RAL**		230 V electromechanical barrier with asynchronous three-phase motor and inverter, for controlling from 4,0 to 8,0 m gates. Opening time from 4,5 to 6,0 s with deceleration. Maximum barrier length: 8 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Includes fitting of springs and balancing. RAL colour to order U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor. Check colour availability and type of finish with your regular supplier.

CSB Xtreme: 24V single operator control unit for barriers

CSB Xtreme - Cp I271514 70001 - Ci 2610456 - Built-in - (Spare part code, available for order through the Technical Support network)

- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards withe new colour standard,simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.
- 24V single operator control unit for barriers

VITAL ACCESSORIES

Cp P120059 - **Ci** 2601309
MLC7.5

White spring - MAXIMA Ultra 68. Ref. spring table

Cp P120060 - **Ci** 2601310
MLC9

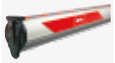
Yellow spring - Maxima Ultra 68. Ref. spring table

Cp P120061 - **Ci** 2601311
MLC9.5

Purple spring - Maxima Ultra 68. See springs table

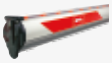
Cp P120081 - **Ci** 2605231
MLC11

Black spring - Maxima Ultra 68. See springs table



Cp P120041 00001 - **Ci** 2605209
ATML60

Aluminium bar L = 6 m Ø92 mm. Lights and rubber not included. Completely protected by new polystyrene packaging.



Cp P120042 - **Ci** 2600827
ATML EXT2

Extension L=2m for bar model ATML 60. Lights and rubber not included.

Cp P120046 00001 - **Ci** 2612600
OMEGA ATML U

Single clamping, hand guard and screws for ATML bar on MAXIMA 68 ULTRA. Bar not included.

Cp P120047 00001 - **Ci** 2605213
OMEGA FRC ATML U

Fork clamping for ATML bar on barrier model. MAXIMA 68 ULTRA. Bar not included.

Cp P120053 00003 - **Ci** 2601318
PCA ATM 8

Protection rubber (black) for fitting on bars from L = 6÷8 m.

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

RECOMMENDED ACCESSORIES

Cp P120078 - **Ci** 2605229
IS ATML

Internal reinforcement for ATML rods

Cp P120090 - **Ci** 2613121
BRACKET FRC

Anchoring bracket for RST-ATM skirts. Only compatible with OMEGA FRC ATML U lock

Cp P120077 00001 - **Ci** 2601312
KIT ATM LIGHT 3 R/G 2W

Red-green LED lights kit for fitting on ATM bars up to 3m.

Cp P120077 00003 - **Ci** 2601314
KIT ATM LIGHT 8 R/G 2W

Red-green LED lights kit for fitting on ATML bars up to 8 m.

Cp P120079 - **Ci** 2605230
EBB KIT ATML

Electric lock for ATML rods to be installed on an FAF UNI R adjustable fork.

Cp P120050 - **Ci** 2601320
GA ATM

Adjustable suspended foot, powder coated cataphoresis treated.

Cp P120049 - **Ci** 2600560
RST ATM

Aluminium rack. Price for 3 metres. Suspended foot not included. Compatible with ATML and ATM model bars.

Cp P120032 - **Ci** 2605197
SRV DIN

Standard DIN rail for interfacing barrier with parking system, configured and prewired with thermal magnetic switch, additional supply terminals, socket for metal mass detector and standard input/output terminal block

Cp P120035 - **Ci** 2605200
FCS MU68

2 additional limit switches for Maxima Ultra 6 - 8 m

Cp P111274 - **Ci** 2611230
RME 1 BT

24 V single channel metal object detector with installation base

Cp 394073 - **Ci** 2604478
LASER SAFETY SENSOR

Safety laser detector. Its used in combination with magnetc loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights. Diam. 60mm - h 3600mm

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P120118 - **Ci** 2613365
IS ATML/BL-LARGE PRO

Internal reinforcement for ATML booms, recommended for booms L > 6 metres.

Cp P120075 - **Ci** 2601276
ALLU 2 MAXIMA ULTRA

Power supply for ATM LIGHT Kit on Maxima Ultra

Cp P120077 00002 - **Ci** 2601313
KIT ATM LIGHT 5 R/G 2W

Red-green LED lights kit for fitting on ATM bars up to 5m.

Cp P120076 - **Ci** 2605228
TP MAXIMA ULTRA

Thermal probe for Maxima Ultra barriers

Cp P120080 - **Ci** 2601319
FAF UNI R

Universal adjustable fork for all rods; recommended with installation of FULL SKIRT accessory.

Cp P120105 - **Ci** 2605249
FULL-SKIRT PRO

Full symmetrical rack (top and bottom) for BOOM PS barriers. Module length L = 2 m. Does not include BRACKET SKIRT PRO required for anchoring the first module to the barrier body.

Cp P120106 - **Ci** 2605250
BRACKET SKIRT PRO 68 DOUBLE PB

Connection bracket between barrier body and rack FULL SKIRT-PRO when using the KIT-PB Double Xtreme 68 fork lock.

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code

Ci International code

U-Link

New

Phase-out

EasyAxs:
P. 282

Accessories:
P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
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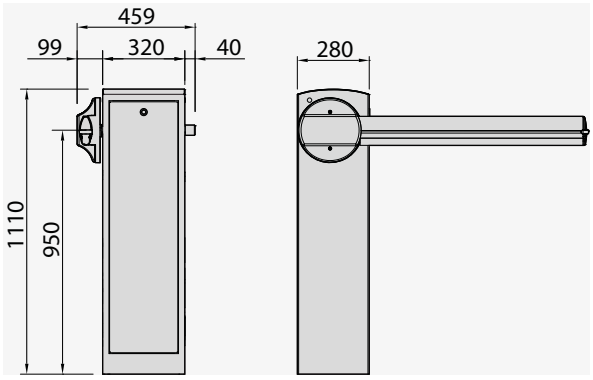
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

MAXIMA ULTRA 35

DIMENSIONS (mm)



Range of professional 230 Vac electromechanical barriers with speed variator and three-phase induction motor for high frequency of use. Designed and developed to operate in a wide variety of conditions such as large car parks, motorway tollgates with frequent reversing, industrial installations. Three-phase motor with inverter. Oil bath gear motor. Mechanical crankshaft movement (anti-vandalism system) which can deliver fluidity of movement and balance to the bar by also controlling its soft opening and closing. With U-Link protocol for integration with Parking Management or Building Management systems. Possibility of setting the useful passage from electronic control unit

TECHNICAL FEATURES

	MAXIMA ULTRA 35 SM	MAXIMA ULTRA 35 SM - RAL	MAXIMA ULTRA 35 SM + ASS SPRING	MAXIMA ULTRA 35 SM + ASS SPRING RAL
Opening time (depending on the width of the leaf)	from 0,7 to 3,0 s	from 0,7 to 3,0 s	from 0,7 to 3,0 s	from 0,7 to 3,0 s
Clear opening	from 1,7 to 5,0 m	from 1,7 to 5,0 m	from 1,7 to 5,0 m	from 1,7 to 5,0 m
Control unit	CSB Xtreme	CSB Xtreme	CSB Xtreme	CSB Xtreme
Motor type	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous
Motor power supply	230 V	230 V	230 V	230 V
Internal lubrication	In oil bath	In oil bath	In oil bath	In oil bath
Inverter	Yes	Yes	Yes	Yes
Slowdown	Yes	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure	Inside the structure
Frequency of use	Continuous	Continuous	Continuous	Continuous
MCBF (Mean Cycles Between Failures)	5000000 Op	5000000 Op	5000000 Op	5000000 Op
Processing type	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint
Environmental conditions	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C
Protection rating	IP54	IP54	IP54	IP54

	MAXIMA ULTRA 35 SM 115V NPB NO SPRING	MAXIMA ULTRA 35 SM 115V NPB NO SPRING RAL	MAXIMA ULTRA 35 SM STAINLESS STEEL INV NO LOCK&SPRING
Opening time (depending on the width of the leaf)	from 0,7 to 3,0 s	from 0,7 to 3,0 s	from 0,7 to 3,0 s
Clear opening	from 1,7 to 5,0 m	from 1,7 to 5,0 m	from 1,7 to 5,0 m
Control unit	CSB Xtreme	CSB Xtreme	CSB Xtreme
Motor type	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous
Motor power supply	120 V	120 V	230 V
Internal lubrication	In oil bath	In oil bath	In oil bath
Inverter	Yes	Yes	Yes
Slowdown	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure
Frequency of use	Continuous	Continuous	Continuous
MCBF (Mean Cycles Between Failures)	5000000 Op	5000000 Op	5000000 Op
Processing type	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 304 stainless steel
Environmental conditions	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C
Protection rating	IP54	IP54	IP54

Code	International code	Name		Description	
P940073 00002	**2613060**	**MAXIMA ULTRA 35 SM**		230 V electromechanical barrier with asynchronous three-phase motor and inverter, for controlling from 1,7 to 5,0 m gates. Opening time from 0,7 to 3,0 s with deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. Colour RAL 7015. U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.	
P940073 00102	**2605341**	**MAXIMA ULTRA 35 SM - RAL**		230 V electromechanical barrier with asynchronous three-phase motor and inverter, for controlling from 1,7 to 5,0 m gates. Opening time from 0,7 to 3,0 s with deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. RAL colour to order. U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor. Check colour availability and type of finish with your regular supplier.	
P940082	**2605375**	**MAXIMA ULTRA 35 SM + ASS SPRING**		230 V electromechanical barrier with asynchronous three-phase motor and inverter, for controlling from 1,7 to 5,0 m gates. Opening time from 0,7 to 3,0 s with deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Includes fitting of springs and balancing. Excludes barrier and barrier clamp. Includes installation template. Colour RAL 7015. U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.	
P940073 00109	**2605343**	**MAXIMA ULTRA 35 SM + ASS SPRING RAL**		230 V electromechanical barrier with asynchronous three-phase motor and inverter, for controlling from 1,7 to 5,0 m gates. Opening time from 0,7 to 3,0 s with deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Includes fitting of springs and balancing. Excludes barrier and barrier clamp. Includes installation template. RAL colour to order. U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor. Check colour availability and type of finish with your regular supplier.	
P940073 00008	**2605339**	**MAXIMA ULTRA 35 SM 115V NPB NO SPRING**		120 V electromechanical barrier with asynchronous three-phase motor and inverter, for controlling from 1,7 to 5,0 m gates. Opening time from 0,7 to 3,0 s with deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. Colour RAL 7015. U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.	U-Link
P940073 00108	**2613130**	**MAXIMA ULTRA 35 SM 115V NPB NO SPRING RAL**		120 V electromechanical barrier with asynchronous three-phase motor and inverter, for controlling from 1,7 to 5,0 m gates. Opening time from 0,7 to 3,0 s with deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. RAL colour to order. U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.	U-Link
P940073 00003	**2605335**	**MAXIMA ULTRA 35 SM STAINLESS STEEL INV NO LOCK&SPRING**		230 V Electromechanical barrier with asynchronous three-phase motor and inverter, used for from 1,7 to 5,0 m. Opening time from 0,7 to 3,0 s with Yes deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. AISI 304 stainless steel casing U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.	

CSB Xtreme: 24V single operator control unit for barriers

CSB Xtreme - Cp I271514 70001 - Ci 2610456 - Built-in - (Spare part code, available for order through the Technical Support network)

- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards withe new colour standard,simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.
- 24V single operator control unit for barriers

VITAL ACCESSORIES

Cp P120056 - **Ci** 2601306
MLR2.5

Red spring - MAXIMA Utra 35 Ref. spring table

Cp P120057 - **Ci** 2601307
MLB3

Blue spring - MAXIMA Ultra 35 Ref. spring table

Cp P120058 - **Ci** 2601308
MLV5

Green spring - MAXIMA Ultra 35 Ref. spring table

Cp P120062 00001 - **Ci** 2612602
OMEGA ATM U35

Single clamping for ATM bar for MAXIMA ULTRA 35. Bar not included.

Cp P120102 00001 - **Ci** 2612605
ATM25

Aluminium bar L=2.5 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging.

Cp P120102 00002 - **Ci** 2613057
ATM30

Aluminium bar L=3 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging.

Cp P120102 00003 - **Ci** 2613058
ATM40

Aluminium bar L=4 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging

Cp P120102 00004 - **Ci** 2613059
ATM50

Aluminium bar L=5 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging.

Cp P120053 00001 - **Ci** 2601316
PCA ATM 3

Rubber protection (red) for fitting on bar L = 3 m max.

Cp P120053 00002 - **Ci** 2600830
PCA ATM 5

Rubber protection (red) for fitting on bar L = 5 m max.

RECOMMENDED ACCESSORIES

Cp P120071 00001 - **Ci** 2612604
OMEGA ATM FRA U35 IMPACT PROTECTION CONNECTOR

Single clamping for ATM bar for Maxima Ultra 35

Cp P120073 - **Ci** 2605225
ATM ARTICULATED JOINT + TIE ROD KIT

Kit for 90° articulated bar. Does not include bar, lights and rubber.

Cp P120109 00001 - **Ci** 2605252
ATM30 90°

Articulated barrier with 3 m rise, 90° opening. Does not includes lights and rubber.

Cp P120109 00002 - **Ci** 2605253
ATM50 90°

Articulated barrier with 5 m rise, 90° opening. Does not includes lights and rubber.

Cp P120110 00001 - **Ci** 2605254
ATM30 180°

Articulated barrier with 3 m rise, 180° opening. Does not includes lights and rubber.

Cp P120110 00002 - **Ci** 2605255
ATM50 180°

5 m articulated bar fitted, 180 ° opening. Lights and rubber not included.

Cp P120065 00001 - **Ci** 2605220
ATM30 90° RG

Articulated bar 90 ° 3 m with lights R/G

Cp P120066 00001 - **Ci** 2605221
ATM50 90° RG

Articulated bar 90 ° 5 m with lights R/G

Cp P120063 00001 - **Ci** 2612603
ATM30 180° RG

Articulated bar 180 ° 3 m with lights R/G

Cp P120064 00001 - **Ci** 2605219
ATM50 180° RG

Articulated bar 180 ° 5 m with lights R/G

Cp P120077 00001 - **Ci** 2601312
KIT ATM LIGHT 3 R/G 2W

Red-green LED lights kit for fitting on ATM bars up to 3m.

Cp P120077 00002 - **Ci** 2601313
KIT ATM LIGHT 5 R/G 2W

Red-green LED lights kit for fitting on ATM bars up to 5m.

Cp P120096 - **Ci** 2605245
LIGHT 3 x BL-SMALL-SN R/G

Red-green led lights kit L=3m to be fitted with 90° articulated crank kit

Cp P120097 - **Ci** 2605246
LIGHT 5 x BL-SMALL-SN R/G

Red-green led lights kit L=5 m to be fitted with 90° articulated crank kit

RECOMMENDED ACCESSORIES

Cp P120098 - **Ci** 2451283
LIGHT 4 x BL-SMALL-SN180 R/G 2W

Red-green led lights kit L=4 m to be fitted with 180° articulated crank kit.

Cp P120099 - **Ci** 2331386
LIGHT 5 x BL-SMALL-SN180 R/G 2W

Red-green led lights kit L=5 m to be fitted with 180° articulated crank kit

Cp P120075 - **Ci** 2601276
ALLU 2 MAXIMA ULTRA

Power supply for ATM LIGHT Kit on Maxima Ultra

Cp P120076 - **Ci** 2605228
TP MAXIMA ULTRA

Thermal probe for Maxima Ultra barriers

Cp P120079 - **Ci** 2605230
EBB KIT ATML

Electric lock for ATML rods to be installed on an FAF UNI R adjustable fork.

Cp P120080 - **Ci** 2601319
FAF UNI R

Universal adjustable fork for all rods; recommended with installation of FULL SKIRT accessory.

Cp P120050 - **Ci** 2601320
GA ATM

Adjustable suspended foot, powder coated cataphoresis treated.

Cp P120049 - **Ci** 2600560
RST ATM

Aluminium rack. Price for 3 metres. Suspended foot not included. Compatible with ATML and ATM model bars.

Cp P120032 - **Ci** 2605197
SRV DIN

Standard DIN rail for interfacing barrier with parking system, configured and prewired with thermal magnetic switch, additional supply terminals, socket for metal mass detector and standard input/output terminal block

Cp P120033 - **Ci** 2605198
FCS MAXIMA 5

2 additional limit switches for MAXIMA 30/MAXIMA ULTRA 35

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp P111274 - **Ci** 2611230
RME 1 BT

24 V single channel metal object detector with installation base

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

Magnetic loop 2 x 1 m

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp 394073 - **Ci** 2604478
LASER SAFETY SENSOR

Safety laser detector. Its used in combination with magnetc loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights. Diam. 60mm - h 3600mm

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp **Code**
Ci **International code**

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

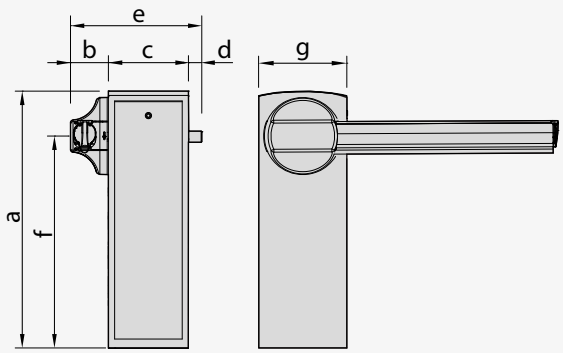
Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

MAXIMA

Range of professional 230 Vac electro-mechanical barriers for frequent use, designed to work under a great variety of conditions including large car parks, motorway toll gates with frequent reversing, industrial installations. Mechanical movement with crank to make the bar operate smoothly and harmoniously, also managing slowdowns in opening and closing.

DIMENSIONS (mm)



	a	b	c	d	e	f	g
MAXIMA 30	1110	120	320	40	480	950	280
MAXIMA 60	1155	170	320	60	590	950	400
MAXIMA 80	1155	170	320	60	590	950	400

TECHNICAL FEATURES

	MAXIMA 30	MAXIMA 30 NPB 120V	MAXIMA 30 - RAL	MAXIMA 60
Opening time (depending on the width of the leaf)	1,7 s	1,7 s	1,7 s	8 s
Clear opening	from 1,7 to 3,0 m	from 1,7 to 3,0 m	from 1,7 to 3,0 m	from 4,0 to 6,4 m
Motor type	Single phase	Single phase	Single phase	Single phase
Internal lubrication	In oil bath	In oil bath	In oil bath	In oil bath
Motor power supply	230 V	120 V	230 V	230 V
Control unit	CSB-BR	CSB-BR	CSB-BR	CSB-BR
Slowdown	Yes	Yes	Yes	Yes
Impact reaction	Electronic magnetic reverser	Electronic magnetic reverser	Electronic magnetic reverser	Electronic magnetic reverser
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure	Inside the structure
Frequency of use	very intensive	very intensive	very intensive	intensive
MCBF (Mean Cycles Between Failures)	5000000 Op	5000000 Op	5000000 Op	2000000 Op
Processing type	RAL7015 cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint
Environmental conditions	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C
Protection rating	IP54	IP54	IP54	IP54

	MAXIMA 60 - RAL	MAXIMA 80	MAXIMA 80 - RAL
Opening time (depending on the width of the leaf)	8 s	8 s	8 s
Clear opening	from 4,0 to 6,4 m	from 6,5 to 8,0 m	from 6,5 to 8,0 m
Motor type	Single phase	Single phase	Single phase
Internal lubrication	In oil bath	In oil bath	In oil bath
Motor power supply	230 V	230 V	230 V
Control unit	CSB-BR	CSB-BR	CSB-BR
Slowdown	Yes	Yes	Yes
Impact reaction	Electronic magnetic reverser	Electronic magnetic reverser	Electronic magnetic reverser
Locking	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure
Frequency of use	intensive	intensive	intensive
MCBF (Mean Cycles Between Failures)	2000000 Op	2000000 Op	2000000 Op
Processing type	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint
Environmental conditions	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C
Protection rating	IP54	IP54	IP54

Code	International code	Name		Description
P940070	**2450125**	**MAXIMA 30**		230 V electromechanical barrier for controlling from 1,7 to 3,0 m gates. Opening time 1,7 s with deceleration. Maximum barrier length: 3 m. Suitable for installation in areas with high frequency of movement and reversals of direction (e.g. car parks with high traffic flows, etc.). Colour RAL 7015. Fast barrier.
P940104 00001	**2614380**	**MAXIMA 30 NPB 120V**		120 V electromechanical barrier for controlling from 1,7 to 3,0 m gates. Opening time 1,7 s with deceleration. Maximum barrier length: 3 m. Suitable for installation in areas with high frequency of movement and reversals of direction (e.g. car parks with high traffic flows, etc.). Colour RAL 7015. Fast barrier.
P940070 00102	**2605334**	**MAXIMA 30 - RAL**		230 V electromechanical barrier for controlling from 1,7 to 3,0 m gates. Opening time 1,7 s with deceleration. Maximum barrier length: 3 m. Suitable for installation in areas with high frequency of movement and reversals of direction (e.g. car parks with high traffic flows, etc.). RAL colour to order. Fast barrier. Check colour availability and type of finish with your regular supplier.
P940071	**2600871**	**MAXIMA 60**		230 V industrial electromechanical barrier for controlling from 4,0 to 6,4 m gates. Opening time 8 s with deceleration. Maximum barrier length 6 m. Option to fit single or dual barrier bracket. Colour RAL 7015. Intensive barrier.
P940071 00102	**2613128**	**MAXIMA 60 - RAL**		230 V industrial electromechanical barrier for controlling from 4,0 to 6,4 m gates. Opening time 8 s with deceleration. Maximum barrier length 6 m. Option to fit single or dual barrier bracket. RAL colour to order. Intensive barrier. Check colour availability and type of finish with your regular supplier.
P940072	**2601385**	**MAXIMA 80**		230 V industrial electromechanical barrier for controlling from 6,5 to 8,0 m gates. Opening time 8 s with deceleration. Maximum barrier length 8 m. Option to fit single or dual barrier bracket. Colour RAL 7015. Wide useful passage.
P940072 00102	**2613129**	**MAXIMA 80 - RAL**		230 V industrial electromechanical barrier for controlling from 6,5 to 8,0 m gates. Opening time 8 s with deceleration. Maximum barrier length 6 m. Option to fit single or dual barrier bracket. RAL colour to order. Wide useful passage. Check colour availability and type of finish with your regular supplier.

CSB-BR: 24V single operator control unit for barriers

CSB-BR - Cp I100520 60001 - Ci 2605820 - Built-in - (Spare part code, available for order through the Technical Support network)

- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards withe new colour standard,simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.
- 24V single operator control unit for barriers

VITAL ACCESSORIES

Cp P120102 00001 - **Ci** 2612605
ATM25

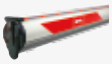
Aluminium bar L=2.5 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging.

Cp P120102 00002 - **Ci** 2613057
ATM30

Aluminium bar L=3 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging.

Cp P120041 00001 - **Ci** 2605209
ATML60

Aluminium bar L = 6 m Ø92 mm. Lights and rubber not included. Completely protected by new polystyrene packaging.



Cp P120042 - **Ci** 2600827
ATML EXT2

Extension L=2m for bar model ATML 60. Lights and rubber not included.

Cp P120043 00001 - **Ci** 2605210
OMEGA AT

Single lock, hand protection casing and screws for ATM barrier on Maxima 30. Barrier not included.

Cp P120044 00001 - **Ci** 2605211
OMEGA ATML

Single clamping, hand guard and screws for ATML bar on MAXIMA 60/80. Bar not included.

Cp P120045 00001 - **Ci** 2605212
OMEGA FRC ATML

New fork clamping for ATML bar on barrier model. MAXIMA 60/80. Bar not included.

Cp P120053 00001 - **Ci** 2601316
PCA ATM 3

Rubber protection (red) for fitting on bar L = 3 m max.

Cp P120053 00002 - **Ci** 2600830
PCA ATM 5

Rubber protection (red) for fitting on bar L = 5 m max.

Cp P120053 00003 - **Ci** 2601318
PCA ATM 8

Protection rubber (black) for fitting on bars from L = 6÷8 m.

RECOMMENDED ACCESSORIES

Cp P120073 - **Ci** 2605225
ATM ARTICULATED JOINT + TIE ROD KIT

Kit for 90° articulated bar. Does not include bar, lights and rubber.

Cp P120109 00001 - **Ci** 2605252
ATM30 90°

Articulated barrier with 3 m rise, 90° opening. Does not includes lights and rubber.

Cp P120065 00001 - **Ci** 2605220
ATM30 90° RG

Articulated bar 90 ° 3 m with lights R/G

Cp P120077 00001 - **Ci** 2601312
KIT ATM LIGHT 3 R/G 2W

Red-green LED lights kit for fitting on ATM bars up to 3m.

Cp P120077 00002 - **Ci** 2601313
KIT ATM LIGHT 5 R/G 2W

Red-green LED lights kit for fitting on ATM bars up to 5m.

Cp P120077 00003 - **Ci** 2601314
KIT ATM LIGHT 8 R/G 2W

Red-green LED lights kit for fitting on ATML bars up to 8 m.

Cp P120096 - **Ci** 2605245
LIGHT 3 x BL-SMALL-SN R/G

Red-green led lights kit L=3m to be fitted with 90° articulated crank kit

Cp P120083 - **Ci** 2450143
ALLU2 Maxima

Power supply for ATM LIGHT Kit on Maxima Ultra

Cp P120078 - **Ci** 2605229
IS ATML

Internal reinforcement for ATML rods

Cp P120118 - **Ci** 2613365
IS ATML/BL-LARGE PRO

Internal reinforcement for ATML booms, recommended for booms L > 6 metres.

Cp P120048 00001 - **Ci** 2612601
OMEGA ATM FRA

Fracture system clamping for bar ATM

Cp P120033 - **Ci** 2605198
FCS MAXIMA 5

2 additional limit switches for MAXIMA 30/MAXIMA ULTRA 35

Cp P120034 - **Ci** 2605199
FCS MAXIMA 6-8

2 additional limit switches for MAXIMA 60/80

Cp P120049 - **Ci** 2600560
RST ATM

Aluminium rack. Price for 3 metres. Suspended foot not included. Compatible with ATML and ATM model bars.

Cp P120050 - **Ci** 2601320
GA ATM

Adjustable suspended foot, powder coated cataphoresis treated.

Cp P120080 - **Ci** 2601319
FAF UNI R

Universal adjustable fork for all rods; recommended with installation of FULL SKIRT accessory.

RECOMMENDED ACCESSORIES

Cp P120079 - **Ci** 2605230
EBB KIT ATML

Electric lock for ATML rods to be installed on an FAF UNI R adjustable fork.

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

Magnetic loop 2 x 1 m

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P120032 - **Ci** 2605197
SRV DIN

Standard DIN rail for interfacing barrier with parking system, configured and prewired with thermal magnetic switch, additional supply terminals, socket for metal mass detector and standard input/output terminal block

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp P111274 - **Ci** 2611230
RME 1 BT

24 V single channel metal object detector with installation base

Cp 394073 - **Ci** 2604478
LASER SAFETY SENSOR

Safety laser detector. Its used in combination with magnetc loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights. Diam. 60mm - h 3600mm

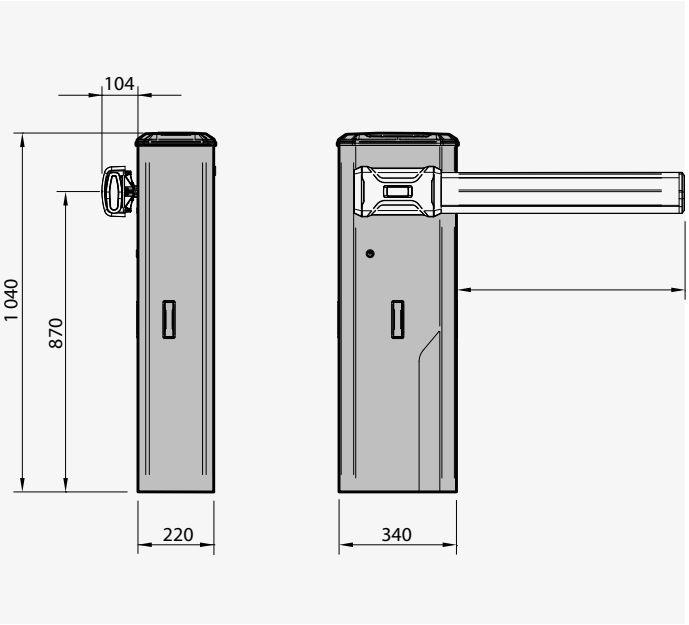
new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

GIOTTO ULTRA 36

Range of 24 V electromechanical barriers with opening speeds of between 2.2 and 4 seconds, depending on the length of the bar.
Ideal for installation in large car parks, vehicle access points and industrial gates between 2 and 6 m wide.
High degree of movement control and impact resistance via encoder.
Integrated control unit with U-Link connectivity.
Same appearance as Maxima U36 barrier.
Wide range of accessories for any type of application.

DIMENSIONS (mm)



TECHNICAL FEATURES

	GIOTTO BT A ULTRA36 230V50	GIOTTO BT A ULTRA36 230V50 RAL PERS	GIOTTO BT A ULTRA36 120V60	GIOTTO BT A ULTRA36 120V60 RAL PERS
Opening time (depending on the width of the leaf)	2,2 s	2,2 s	2,2 s	2,2 s
Clear opening	4 m	4 m	4 m	4 m
Motor power supply	24 V	24 V	24 V	24 V
Control unit	MERAK GIOTTO ULTRA 36	MERAK GIOTTO ULTRA 36	MERAK GIOTTO ULTRA 36	MERAK GIOTTO ULTRA 36
Slowdown	Yes	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder	encoder
Emergency release	Personal key	Personal key	Personal key	Personal key
Frequency of use	very intensive	very intensive	very intensive	very intensive
Processing type	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint
Environmental conditions	-20÷55 °C	-20÷55 °C	-20÷55 °C	-20÷55 °C
Protection rating	IP54	IP54	IP54	IP54

	GIOTTO BT A ULTRA36 XL 230V50	GIOTTO BT A ULTRA36 XL 230V50 RAL PERS	GIOTTO BT A ULTRA36 XL 120V60	GIOTTO BT A ULTRA36 XL 120V60 RAL PERS
Opening time (depending on the width of the leaf)	4 s	4 s	4 s	4 s
Clear opening	6 m	6 m	6 m	6 m
Motor power supply	24 V	24 V	24 V	24 V
Control unit	MERAK GIOTTO ULTRA 36	MERAK GIOTTO ULTRA 36	MERAK GIOTTO ULTRA 36	MERAK GIOTTO ULTRA 36
Slowdown	Yes	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder	encoder
Emergency release	Personal key	Personal key	Personal key	Personal key
Frequency of use	intensive	intensive	intensive	intensive
Processing type	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint
Environmental conditions	-20÷55 °C	-20÷55 °C	-20÷55 °C	-20÷55 °C
Protection rating	IP54	IP54	IP54	IP54

Code	International code	Name		Description	
P940100 00002	**2605398**	**GIOTTO BT A ULTRA36 230V50**		Barrier with 24 V power supply for opening up to 4 m and opening time 2,2 s. Impact resistance by means of encoder. Colour grey, RAL 7015. Integrated control unit with U-Link connectivity.	U-Link
P940100 00102	**2612818**	**GIOTTO BT A ULTRA36 230V50 RAL PERS**		Barrier with 24 V power supply for opening up to 4 m and opening time 2,2 s. Impact resistance by means of encoder. Special RAL colour. Integrated control unit with U-Link connectivity. Check colour availability and type of finish with your regular supplier.	U-Link
P940100 00001	**2612812**	**GIOTTO BT A ULTRA36 120V60**		Barrier with 24 V power supply for opening up to 4 m and opening time 2,2 s. Impact resistance by means of encoder. Colour grey, RAL 7015. Integrated control unit with U-Link connectivity.	U-Link
P940100 00101	**2612817**	**GIOTTO BT A ULTRA36 120V60 RAL PERS**		Barrier with 24 V power supply for opening up to 4 m and opening time 2,2 s. Impact resistance by means of encoder. Special RAL colour. Integrated control unit with U-Link connectivity.	U-Link
P940101 00002	**2605399**	**GIOTTO BT A ULTRA36 XL 230V50**		Barrier with 24 V power supply for opening up to 6 m and opening time 4 s. Impact resistance by means of encoder. Colour grey, RAL 7015. Integrated control unit with U-Link connectivity.	U-Link
P940101 00102	**2612827**	**GIOTTO BT A ULTRA36 XL 230V50 RAL PERS**		Barrier with 24 V power supply for opening up to 6 m and opening time 4 s. Impact resistance by means of encoder. Special RAL colour. Integrated control unit with U-Link connectivity. Check colour availability and type of finish with your regular supplier.	U-Link
P940101 00001	**2612821**	**GIOTTO BT A ULTRA36 XL 120V60**		Barrier with 24 V power supply for opening up to 6 m and opening time 4 s. Impact resistance by means of encoder. Colour grey, RAL 7015. Integrated control unit with U-Link connectivity.	U-Link
P940101 00101	**2612826**	**GIOTTO BT A ULTRA36 XL 120V60 RAL PERS**		Barrier with 24 V power supply for opening up to 6 m and opening time 4 s. Impact resistance by means of encoder. Special RAL colour. Integrated control unit with U-Link connectivity.	U-Link

Stainless steel versions available on request.

MERAK GIOTTO ULTRA 36 230 V: Built-in control unit for the Giotto Ultra 230 V barrier

MERAK GIOTTO ULTRA 36 230 V - Cp I200486 10001 - Ci 2613697 - Built-in - (Spare part code, available for order through the Technical Support network)

- Board power supply: 230V single-phase
- Main Features: built-in receiver, reversal of movement on detecting obstacles, control of lights and external I/O

MERAK GIOTTO ULTRA 36 120V: Built-in control unit for the Giotto Ultra 120 V barrier

MERAK GIOTTO ULTRA 36 120V - Cp I200487 10001 - Ci 2613698 - Built-in - (Spare part code, available for order through the Technical Support network)

- Panel power supply:
- Main Features: built-in receiver, reversal of movement on detecting obstacles, control of lights and external I/O

VITAL ACCESSORIES

Cp P120104 00001 - **Ci** 2612607
BOOM ES30

Aluminium bar for 3 m wide openings. Rubber strips and lights not included.

Cp P120104 00003 - **Ci** 2612609
BOOM ES50

Aluminium bar for 5 m wide openings. Rubber strips and lights not included.

Cp P120117 00001 - **Ci** 2613384
PCA ES N3

Lower and upper protective rubber strip kit for 3 m BOOM ES. Blanking plugs and fastening clips for lights included.

Cp P120117 00003 - **Ci** 2613386
PCA ES N5

Lower and upper protective rubber strip kit for 5 m BOOM ES. Blanking plugs and fastening clips for lights included.

Cp P120087 00001 - **Ci** 2601376
BOOM PS30

Aluminium bar, opening L = 3 m with red reflectors. Includes rubber and upper optical diffuser. Lights excluded.

Cp P120087 00003 - **Ci** 2601378
BOOM PS50

Aluminium bar, opening L = 5 m with red reflectors. Includes rubber and upper optical diffuser. Lights excluded.

Cp P120087 00005 - **Ci** 2601491
BOOM PS60 NCG

Aluminium bar, opening L = 6 m with red reflectors. Rubber, upper optic profile and excluded lights.

Cp P120104 00002 - **Ci** 2612608
BOOM ES40

Aluminium bar for 4 m wide openings. Rubber strips and lights not included.

Cp P120104 00004 - **Ci** 2612610
BOOM ES60

Aluminium bar for 6 m wide openings. Rubber strips and lights not included.

Cp P120117 00002 - **Ci** 2613385
PCA ES N4

Lower and upper protective rubber strip kit for 4 m BOOM ES. Blanking plugs and fastening clips for lights included.

Cp P120103 - **Ci** 2612606
OMEGA ES

Barrier clamp, casing for hand protection and screws for BOOM ES on Giotto Ultra 36. Barrier not included.

Cp P120087 00002 - **Ci** 2601377
BOOM PS40

Aluminium bar, opening L = 4 m with red reflectors. Includes rubber and upper optical diffuser. Lights excluded.

Cp P120100 - **Ci** 2605247
OMEGA PS GIOTTO ULTRA 36

Barrier clamp, casing for hand protection and screws for BOOM PS on Giotto Ultra 36. Barrier not included.

RECOMMENDED ACCESSORIES

Cp P120089 20001 - **Ci** 2605241
LIGHT PS/ES 30-IP67

High intensity LED lighting kit, red-green, to be fitted on BOOM PS/ES bar up to 3 metres long. Power supply unit excluded.

Cp P120089 20003 - **Ci** 2605243
LIGHT PS/ES 50-IP67

High intensity LED lighting kit, red-green, to be fitted on BOOM PS/ES bar up to 5 metres long. Power supply unit excluded.

new **Cp** P120122 - **Ci** 2614971
ART90 PS GIOTTO ULTRA36 KIT

Hinge accessories kit for PS 90° articulated bar on Giotto Ultra 36. Excludes tie rod, bar, bar connector and PS lights. Compatible with PS BOOMS

new **Cp** P120092 00006 - **Ci** 2614231
ART90 BOOM PS30 GIOTTO ULTRA36

BOOM PS 90° articulated bar L = 3 m pre-assembled. Excludes LIGHT PS lighting. Compatible with Giotto Ultra 36.

Cp P120085 - **Ci** 2601279
BTM-SKIRT

Lower skirt for BOOM PS booms. Module length L = 2 m.

Cp P120093 - **Ci** 2613063
ADJ-FOOT

Suspended cushioned telescopic supporting foot for BOOM PS booms.

Cp P120089 20002 - **Ci** 2605242
LIGHT PS/ES 40-IP67

High intensity LED lighting kit, red-green, to be fitted on BOOM PS/ES bar up to 4 metres long. Power supply unit excluded.

Cp P120116 - **Ci** 2601492
GT BOARD

Power supply unit for LIGHT PS/ES lights for Giotto Ultra 36

new **Cp** P120121 - **Ci** 2614918
TIE ROD FOR ART90 PS KIT

Tie rod to be combined with the hinge accessories kit for PS 90° articulated bar. Compatible with ART 90 PS MAXIMA ULTRA KIT 36 and ART 90 GIOTTO ULTRA 36 KIT

new **Cp** P120092 00007 - **Ci** 2614227
ART90 BOOM PS50 GIOTTO ULTRA36

BOOM PS 90° articulated bar L = 5 m pre-assembled. Excludes LIGHT PS lighting. Compatible with Giotto Ultra 36.

Cp P120095 - **Ci** 2601389
BRACKET SKIRT

Connection bracket between barrier body and simple (BTM SKIRT) or double (FULL SKIRT) aluminium rack.

Cp P120074 - **Ci** 2607202
GIOTTO M BG BAT KIT

Buffer battery kit for Giotto BT A series barrier

RECOMMENDED ACCESSORIES

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp P903031 - **Ci** 2605301
BMC A

Support for mounting COMPACTA series photocells on wall and on Giotto, Moovi and Michelangelo barriers

Cp P120080 - **Ci** 2601319
FAF UNI R

Universal adjustable fork for all rods; recommended with installation of FULL SKIRT accessory.

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

Cp P120023 00100 - **Ci** 2613115
FAF 2 RAL

Fixed rest fork for booms with customised RAL colour. For bolting to ground.

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

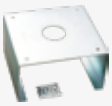
Magnetic loop 2 x 1 m

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P111274 - **Ci** 2611230
RME 1 BT

24 V single channel metal object detector with installation base



Cp D730251 - **Ci** 2608500
CBO

Base plate for mod. MOOVI - GIOTTO

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp P120023 - **Ci** 2600216
FAF 2

Rest fork for booms. For bolting to ground.

Cp P120026 - **Ci** 2605194
ZFAF2

Additional anchor plates for cementing FAF2 forks to ground.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

GIOTTO BT A

BUILDING ACCESS AUTOMATION

URBAN ACCESS AUTOMATION

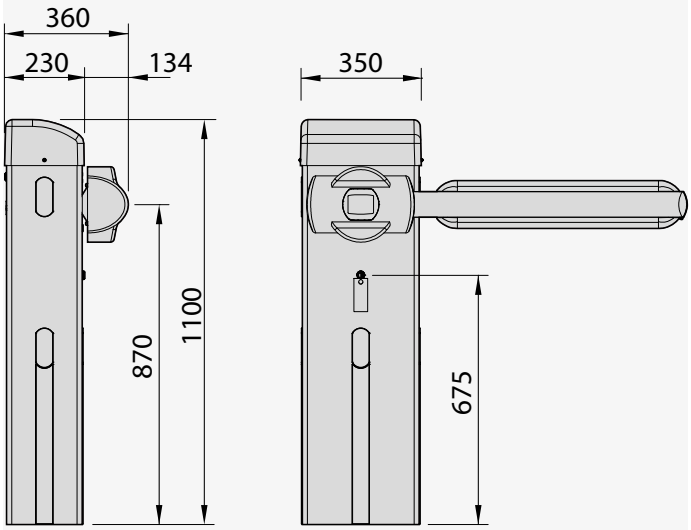
er ready

ee link

24 V

Range of barriers for intensive and very intensive use, able to manage useful passages up to 6 m. Integrated control unit with U-Link connectivity
Available in 24V versions, they have a wide range of accessories making them ideal in any context.

DIMENSIONS (mm)



TECHNICAL FEATURES

	GIOTTO BT A 30 U 230V50	GIOTTO BT A 30 U 230V50 RAL PERS	GIOTTO BT A 30 U 120V60
Opening time (depending on the width of the leaf)	4 s	4 s	4 s
Clear opening	3,0 m	3,0 m	3,0 m
Motor power supply	24 V	24 V	24 V
Control unit	MERAK BG	MERAK BG	MERAK BG
Slowdown	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key
Frequency of use	intensive	intensive	intensive
Processing type	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint
Environmental conditions	-20/(-40 with THERMO heater) ÷ 55 °C	-20/(-40 with THERMO heater) ÷ 55 °C	-20/(-40 with THERMO heater) ÷ 55 °C
Protection rating	IP54	IP54	IP54

	GIOTTO BT A 60 U 230V50	GIOTTO BT A 60 U 230V50 RAL PERS	GIOTTO BT A 60 U 120V60
Opening time (depending on the width of the leaf)	5 s	5 s	5 s
Clear opening	6 m	6 m	6 m
Motor power supply	24 V	24 V	24 V
Control unit	MERAK BG	MERAK BG	MERAK BG
Slowdown	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key
Frequency of use	intensive	intensive	intensive
Processing type	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint
Environmental conditions	-20/(-40 with THERMO heater) ÷ 55 °C	-20/(-40 with THERMO heater) ÷ 55 °C	-20/(-40 with THERMO heater) ÷ 55 °C
Protection rating	IP54	IP54	IP54

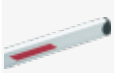
Code	International code	Name		Description	
P940078 00002	**2600875**	**GIOTTO BT A 30 U 230V50**		Barrier with 24 V motor for opening up to 3,0 m wide and opening time 4 s. Impact resistance by means of encoder. Grey RAL 7015 Control unit with Ulink, display and receiver in head.	U-Link
P940078 00102	**2605355**	**GIOTTO BT A 30 U 230V50 RAL PERS**		Barrier with 24 V motor for opening up to 3,0 m wide and opening time 4 s. Impact resistance by means of encoder. RAL colour to order Control unit with Ulink, display and receiver in head. Check colour availability and type of finish with your regular supplier.	U-Link
P940078 00001	**2605353**	**GIOTTO BT A 30 U 120V60**		Barrier with 24 V motor for opening up to 3,0 m wide and opening time 4 s. Impact resistance by means of encoder. Grey RAL 7015 Control unit with Ulink, display and receiver in head.	
P940080 00002	**2600876**	**GIOTTO BT A 60 U 230V50**		Barrier with 24 V motor for opening up to 6 m wide and opening time 5 s. Impact resistance by means of encoder. Grey RAL 7015 Control unit with Ulink, display and receiver in head.	U-Link
P940080 00102	**2605366**	**GIOTTO BT A 60 U 230V50 RAL PERS**		Barrier with 24 V motor for opening up to 6 m wide and opening time 5 s. Impact resistance by means of encoder. RAL colour to order Control unit with Ulink, display and receiver in head. Check colour availability and type of finish with your regular supplier.	U-Link
P940080 00001	**2605362**	**GIOTTO BT A 60 U 120V60**		Barrier with 24 V motor for opening up to 6 m wide and opening time 5 s. Impact resistance by means of encoder. Grey RAL 7015 Control unit with Ulink, display and receiver in head.	

MERAK BG: 24V single operator control unit for barriers

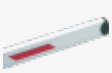
MERAK BG - Cp I200423 10001 - Ci 2610394 - Built-in - (Spare part code, available for order through the Technical Support network)

- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards withe new colour standard,simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.
- 24V single operator control unit for barriers

VITAL ACCESSORIES

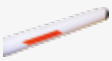


Cp N728033 - **Ci** 2600538
AQ3
Complete 3 metre rectangular boom for GIOTTO and MOOVI



Cp N728034 - **Ci** 2600782
AQ5
Complete 5 metre rectangular boom for GIOTTO and MOOVI

Cp N999507 - **Ci** 2600539
OMEGA AQ
Pack of accessories for installation of 3/5 m rectangular boom for MOOVI/GIOTTO



Cp N728031 - **Ci** 2600781
AT3
Complete 3 metre round boom for MOOVI/GIOTTO

Cp N728032 - **Ci** 2600495
AT5
Complete 5 metre round boom for MOOVI/GIOTTO

Cp N728038 - **Ci** 2600492
AT6
Complete 6 metre round boom for MOOVI/GIOTTO

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

VITAL ACCESSORIES

Cp N999513 - **Ci** 2600796
OMEGA AT

Pack of accessories for installation of 3/5 m round boom for MOOVI/GIOTTO

Cp P120028 00002 - **Ci** 2605195
PCA N4

Top and bottom rubber cover profile for booms of 4 m max.

Cp P120028 00004 - **Ci** 2600826
PCA N6

Top and bottom rubber cover profile for booms of 6 m max.

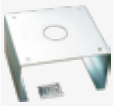
Cp P120028 00001 - **Ci** 2600953
PCA N3

Top and bottom rubber cover profile for booms of 3 m max.

Cp P120028 00003 - **Ci** 2605196
PCA N5

Top and bottom rubber cover profile for booms of 5 m max.

RECOMMENDED ACCESSORIES



Cp D730251 - **Ci** 2608500
CBO

Base plate for mod. MOOVI - GIOTTO

Cp P120023 - **Ci** 2600216
FAF 2

Rest fork for booms. For bolting to ground.

Cp P120025 - **Ci** 2600825
FAF 2R

Universal adjustable fork for booms to be secured to the ground. Recommissioned with SB skirt accessory installation.

Cp P120026 - **Ci** 2605194
ZFAF2

Additional anchor plates for cementing FAF2 forks to ground.

Cp N728051 - **Ci** 2600128
ART 90 Q

90 ° articulated joint for Moovi and Giotto booms. Max 4m clear passage.

Cp P120001 00001 - **Ci** 2600135
KIT LIGHT

Lights on boom 3 - 4,5 m

Cp P125025 - **Ci** 2611428
CTO BAT NO BAT

Cp D940008 - **Ci** 2600367
GA AQ AT

Movable support leg for AQ or AT booms (on MOOVI, MICHELANGELO and GIOTTO barriers) -

Cp N190104 - **Ci** 2600775
BIR C

Rubber safety edge (H 30 mm), price per m

Cp P120074 - **Ci** 2607202
GIOTTO M BG BAT KIT

Buffer battery kit for Giotto BT A series barrier

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp P120023 00100 - **Ci** 2613115
FAF 2 RAL

Fixed rest fork for booms with customised RAL colour. For bolting to ground.

Cp P120025 00100 - **Ci** 2613116
FAF 2R RAL

Fixed rest fork for booms with customised RAL colour. For bolting to ground.

Cp N999608 - **Ci** 2611133
ACTR

Pack of 12 additional reflective labels (1 pack already included with each boom)

Cp D573003 - **Ci** 2600129
SB

Aluminium skirt for road barrier booms. Price per linear metre (Calculate length of useful passage minus 40cm)

Cp P120001 00002 - **Ci** 2600230
KIT LIGHT1

Lights for booms over 4,5 m

Cp D940007 - **Ci** 2604518
GAM

Mobile rest leg for BGV barrier boom (not usable on BGV 30)

Cp D940009 - **Ci** 2600134
GAMA AQ AT

Dampened movable support leg for AQ or AT booms (on MOOVI, MICHELANGELO and GIOTTO barriers) -

Cp P111401 00001 - **Ci** 2600207
VENTIMIGLIA NS

Infrared device for BIR C or BAR C safety edges (conforms to EN 12978 Standard)

Cp P120018 - **Ci** 2605192
THERMO

Thermostatically controlled heating element for use of GIOTTO BT A, MOOVI, MICHELANGELO BT A barriers to ambient temperatures of -40°C

RECOMMENDED ACCESSORIES

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

Magnetic loop 2 x 1 m

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P111274 - **Ci** 2611230
RME 1 BT

24 V single channel metal object detector with installation base

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

MICHELANGELO BT A

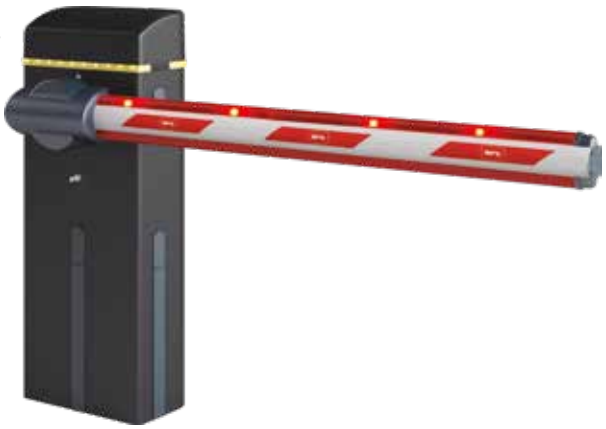
BUILDING ACCESS AUTOMATION

er ready

ee link

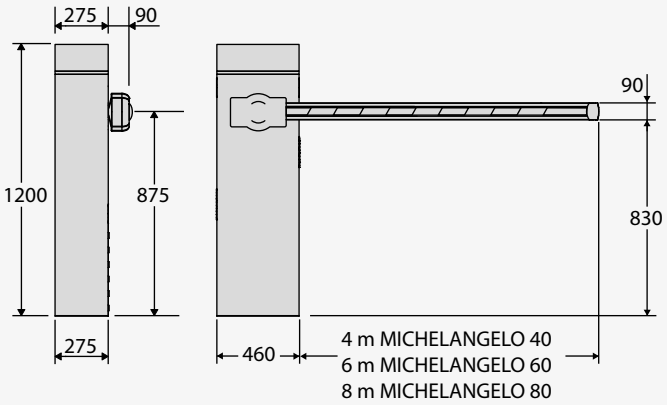
24 V

U-Link



Range of barriers for very intensive use, for clear openings of up to 8 metres.
The wide range of accessories, incorporated flashing light and the arrangement for photocells make them ideal in any context

DIMENSIONS (mm)



TECHNICAL FEATURES

	MICHELANGELO BT A 60 U	MICHELANGELO BT A 60 U RAL	MICHELANGELO BT A 60 U 120	MICHELANGELO BT A 60 U 120 RAL
Opening time (depending on the width of the leaf)	6 s	6 s	6 s	6 s
Clear opening	6 m	6 m	6 m	6 m
Motor power supply	24 V	24 V	24 V	24 V
Control unit	MERAK BM	MERAK BM	MERAK BM	MERAK BM
Slowdown	Yes	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Key	Key	Key	Key
Frequency of use	intensive	intensive	intensive	intensive
Processing type	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint
Environmental conditions	-20/(-40 with THERMO heater) ÷ 55 °C	-20/(-40 with THERMO heater) ÷ 55 °C	-20/(-40 with THERMO heater) ÷ 55 °C	-20/(-40 with THERMO heater) ÷ 55 °C
Protection rating	IP54	IP54	IP54	IP54

	MICHELANGELO BT A 80 U	MICHELANGELO BT A 80 U RAL	MICHELANGELO BT A 80 U 120	MICHELANGELO BT A 80 U 120 RAL
Opening time (depending on the width of the leaf)	8 s	8 s	8 s	8 s
Clear opening	8 m	8 m	8 m	8 m
Motor power supply	24 V	24 V	24 V	24 V
Control unit	MERAK BM	MERAK BM	MERAK BM	MERAK BM
Slowdown	Yes	Yes	Yes	Yes
Impact reaction	encoder	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Key	Key	Key	Key
Frequency of use	intensive	intensive	intensive	intensive
Processing type	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint
Environmental conditions	-20/(-40 with THERMO heater) ÷ 55 °C	-20/(-40 with THERMO heater) ÷ 55 °C	-20/(-40 with THERMO heater) ÷ 55 °C	-20/(-40 with THERMO heater) ÷ 55 °C
Protection rating	IP54	IP54	IP54	IP54

Code	International code	Name		Description	
P940076 00002	**2600873**	**MICHELANGELO BT A 60 U**		Barrier with 24 V power supply for opening up to 6 m wide and opening time 6 s. Impact reaction via encoder. Control unit with ULink slot, display and receiver in head. RAL 7015 grey colour Built-in warning light.	U-Link
P940076 00102	**2600874**	**MICHELANGELO BT A 60 U RAL**		Barrier with 24 V power supply for opening up to 6 m wide and opening time 6 s. Impact reaction via encoder. Control unit with ULink slot, display and receiver in head. RAL colour on request. Built-in warning light. Check colour availability and type of finish with your regular supplier.	U-Link
P940076 00001	**2605349**	**MICHELANGELO BT A 60 U 120**		Control unit with ULink slot, display and receiver in head. RAL 7015 grey colour Barrier with 24 V power supply for opening up to 6 m wide and opening time 6 s. Impact reaction via encoder. Built-in warning light.	U-Link
P940076 00101	**2613131**	**MICHELANGELO BT A 60 U 120 RAL**		Control unit with ULink slot, display and receiver in head. RAL colour on request Barrier with 24 V power supply for opening up to 6 m wide and opening time 6 s. Impact reaction via encoder. Built-in warning light.	U-Link
P940077 00002	**2600524**	**MICHELANGELO BT A 80 U**		Barrier with 24 V power supply for opening up to 8 m wide and opening time 8 s. Impact reaction via encoder. Control unit with ULink slot, display and receiver in head. RAL 7015 grey colour Built-in warning light.	U-Link
P940077 00102	**2614378**	**MICHELANGELO BT A 80 U RAL**		Control unit with ULink slot, display and receiver in head. RAL colour on request Barrier with 24 V power supply for opening up to 8 m wide and opening time 8 s. Impact reaction via encoder. Built-in warning light. Check colour availability and type of finish with your regular supplier.	U-Link
P940077 00001	**2605351**	**MICHELANGELO BT A 80 U 120**		Control unit with ULink slot, display and receiver in head. RAL 7015 grey colour Barrier with 24 V power supply for opening up to 8 m wide and opening time 8 s. Impact reaction via encoder. Built-in warning light.	U-Link
P940077 00101	**2613132**	**MICHELANGELO BT A 80 U 120 RAL**		Control unit with ULink slot, display and receiver in head. RAL colour on request Barrier with 24 V power supply for opening up to 8 m wide and opening time 8 s. Impact reaction via encoder. Built-in warning light.	U-Link

MERAK BM8: Incorporated control unit for one 24V operator for sliding gates

MERAK BM8 - Cp I300084 10001 - Ci 2610518 - Built-in - (Spare part code, available for order through the Technical Support network)

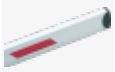
- Incorporated control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards withe new colour standard,simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.

MERAK BM6: Incorporated control unit for one 24V operator for sliding gates

MERAK BM6 - Cp I300077 10001 - Ci 2600945 - Built-in - (Spare part code, available for order through the Technical Support network)

- Incorporated control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards withe new colour standard,simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.

VITAL ACCESSORIES



Cp N728022 - **Ci** 2600778
AQ6

Complete 6 m rectangular boom for MICHELANGELO

Cp N728026 - **Ci** 2600525
AT 704

Round boom ø 70 mm, length 4.3 m. for clear spaces up to 4 m ATT 704

Cp N728030 - **Ci** 2600780
AT 706

Round boom diam. 70 mm length 6.35 m for MICHELANGELO. for openings up to 6 m

Cp N728028 - **Ci** 2600779
AT 502

Second part of telescopic round boom for MICHELANGELO, diam. 50 mm, length 2.6 m.

Cp N728027 - **Ci** 2600526
AT 504

Second part of telescopic round boom for MICHELANGELO, diam. 50 mm, length 4.6 m.

Cp N999606 - **Ci** 2600352
OMEGA AQ 6

Accessories pack for AQ 6 boom

Cp N999607 - **Ci** 2600798
OMEGA AT 70

Accessories pack for AT 704/706

Cp P120028 00001 - **Ci** 2600953
PCA N3

Top and bottom rubber cover profile for booms of 3 m max.

Cp P120028 00002 - **Ci** 2605195
PCA N4

Top and bottom rubber cover profile for booms of 4 m max.

Cp P120028 00003 - **Ci** 2605196
PCA N5

Top and bottom rubber cover profile for booms of 5 m max.

Cp P120028 00004 - **Ci** 2600826
PCA N6

Top and bottom rubber cover profile for booms of 6 m max.

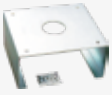
Cp P120028 00005 - **Ci** 2601375
PCA N8

Top and bottom rubber cover profile for booms of 8 m max.

RECOMMENDED ACCESSORIES

Cp P125011 - **Ci** 2605264
BAT KIT 2

Set of backup batteries for MICHELANGELO BT A barriers



Cp D730964 - **Ci** 2600252
BM

adjustable base plate for mod. MICHELANGELO - BM

Cp P111274 - **Ci** 2611230
RME 1 BT

24 V single channel metal object detector with installation base

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp P120072 - **Ci** 2600831
KIT ML MCL40

Spring kit for conversion from Michelangelo 60 to Michelangelo 40

Cp P120006 - **Ci** 2600823
MCL LAMPO KIT

Integrated flashing light. The MCL CARD KIT is needed for operation

RECOMMENDED ACCESSORIES

Cp P120009 - **Ci** 2600824
SCHEDA MCL KIT

Control board for KIT MCL LIGHT and KIT MCL LAMPO

Cp D573003 - **Ci** 2600129
SB

Aluminium skirt for road barrier booms. Price per linear metre (Calculate length of useful passage minus 40cm)

Cp P125025 - **Ci** 2611428
CTO BAT NO BAT

Cp P120023 - **Ci** 2600216
FAF 2

Rest fork for booms. For bolting to ground.

Cp P120025 - **Ci** 2600825
FAF 2R

Universal adjustable fork for booms to be secured to the ground. Recommissioned with SB skirt accessory installation.

Cp D940008 - **Ci** 2600367
GA AQ AT

Movable support leg for AQ or AT booms (on MOOVI, MICHELANGELO and GIOTTO barriers) -

Cp P120018 - **Ci** 2605192
THERMO

Thermostatically controlled heating element for use of GIOTTO BT A, MOOVI, MICHELANGELO BT A barriers to ambient temperatures of -40°C

Cp P125038 - **Ci** 2605265
MCL BT A BAT KIT

Set of backup batteries for MICHELANGELO BT A barriers

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P120005 00001 - **Ci** 2600186
MCL LIGHT KIT

Light kit (6 lights) for boom. For use in conjunction with PCA. The MCL CARD KIT is necessary for operation

Cp D730088 - **Ci** 2608490
FAF

Fixed rest fork for booms for cementing to ground.

Cp P120026 - **Ci** 2605194
ZFAF2

Additional anchor plates for cementing FAF2 forks to ground.

Cp P120023 00100 - **Ci** 2613115
FAF 2 RAL

Fixed rest fork for booms with customised RAL colour. For bolting to ground.

Cp P120025 00100 - **Ci** 2613116
FAF 2R RAL

Fixed rest fork for booms with customised RAL colour. For bolting to ground.

Cp D940009 - **Ci** 2600134
GAMA AQ AT

Dampened movable support leg for AQ or AT booms (on MOOVI, MICHELANGELO and GIOTTO barriers) -

Cp N190104 - **Ci** 2600775
BIR C

Rubber safety edge (H 30 mm), price per m

Cp P111401 00001 - **Ci** 2600207
VENTIMIGLIA NS

Infrared device for BIR C or BAR C safety edges (conforms to EN 12978 Standard)

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

Magnetic loop 2 x 1 m

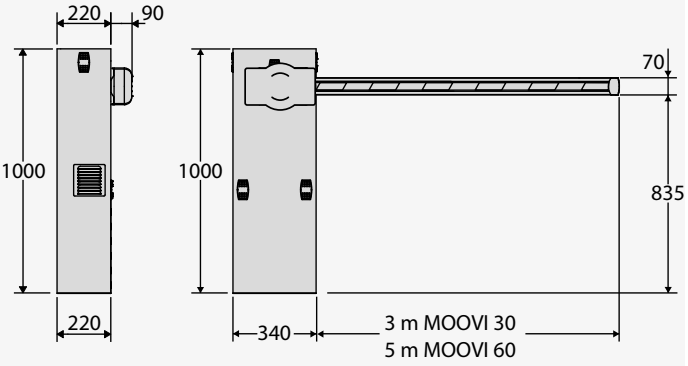
new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

MOOVI

Range of barriers for very intensive use, for clear openings up to 6 m. The wide range of accessories available makes them ideal in any context.

DIMENSIONS (mm)



TECHNICAL FEATURES

	MOOVI 30	MOOVI 30 RAL	MOOVI 30 BARR. BOOM 3MT 110V60HZ RAL	MOOVI 30 BARR.BOOM 3MT 110V60HZ RAL7015	MOOVI 30 RMM	MOOVI 30 RMM RAL	MOOVI 30S
Opening time (depending on the width of the leaf)	4 s	4 s	4 s	4 s	4 s	4 s	1,5 s
Clear opening	3,0 m	3,0 m	3,0 m	3,0 m	3,0 m	3,0 m	3,0 m
Motor power supply	230 V	230 V	110 V	110 V	230 V	230 V	230 V
Control unit	ALPHA BOM	ALPHA BOM	ALPHA BOM	ALPHA BOM	LEO MV D	LEO MV D	LEO MV D
Slowdown	no	no	no	no	Yes	Yes	Yes
Impact reaction	Sensitive edge	Sensitive edge	Sensitive edge	Sensitive edge	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key	Personal key	Personal key	Personal key	Personal key
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive	Semi intensive	Semi intensive	intensive
Processing type	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint
Protection rating	IP24	IP24	IP24	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C

	MOOVI 30S RAL	MOOVI 30S VELOCE BOOM 3MT 110V60 RAL	MOOVI 30S VELOCE BOOM 3MT 110V60 RAL7015	MOOVI 60	MOOVI 60 RAL	MOOVI 60 BAR. BOOM 5MT 110V50 RAL	MOOVI 60 BAR. BOOM 5MT 110V50 RAL7015
Opening time (depending on the width of the leaf)	1,5 s	1,5 s	1,5 s	8 s	8 s	8 s	8 s
Clear opening	3,0 m	3,0 m	3,0 m	6 m	6 m	6 m	6 m
Motor power supply	230 V	110 V	110 V	230 V	230 V	110 V	110 V
Control unit	LEO MV D	LEO MV D	LEO MV D	ALPHA BOM	ALPHA BOM	ALPHA BOM	ALPHA BOM
Slowdown	Yes	Yes	Yes	no	no	no	no
Impact reaction	encoder	encoder	encoder	Sensitive edge	Sensitive edge	Sensitive edge	Sensitive edge
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key	Personal key	Personal key	Personal key	Personal key
Frequency of use	intensive	intensive	intensive	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Processing type	Special RAL cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint
Protection rating	IP24	IP24	IP24	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C

	MOOVI 60 RMM	MOOVI 60 RMM RAL	MOOVI 60 RMM PRED. BAR.5MT 110V50 RAL	MOOVI 60 RMM PRED. BAR.5MT 110V50 RAL7015	MOOVI 60RMM INOX
Opening time (depending on the width of the leaf)	8 s	8 s	8 s	8 s	8 s
Clear opening	6 m	6 m	6 m	6 m	6 m
Motor power supply	230 V	230 V	110 V	110 V	230 V
Control unit	LEO MV D	LEO MV D	LEO MV D	LEO MV D	LEO MV D
Slowdown	Yes	Yes	Yes	Yes	no
Impact reaction	encoder	encoder	encoder	encoder	encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key	Personal key	Personal key
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Processing type	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint	AISI 304 stainless steel
Protection rating	IP24	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C

Code	International code	Name		Description
P940062 00002	**2600041**	MOOVI 30		Barrier with 230 V motor for opening up to 3,0 m wide and opening time 4 s. Impact resistance by means of Sensitive edge. Grey RAL 7015 Control unit with built-in display and receiver.
P940062 00102	**2613231**	MOOVI 30 RAL		Barrier with 230 V motor for opening up to 3,0 m wide and opening time 4 s. Impact resistance by means of Sensitive edge. RAL colour to order Control unit with built-in display and receiver. Check colour availability and type of finish with your regular supplier.
P940062 00101	**2614372**	MOOVI 30 BARR.BOOM 3MT 110V60HZ RAL		Barrier with 110 V motor for opening up to 3,0 m wide and opening time 4 s. Impact resistance by means of Sensitive edge. RAL colour to order Control unit with built-in display and receiver.
P940062 00001	**2605313**	MOOVI 30 BARR.BOOM 3MT 110V60HZ RAL7015		Barrier with 110 V motor for opening up to 3,0 m wide and opening time 4 s. Impact resistance by means of Sensitive edge. RAL colour to order Control unit with built-in display and receiver.
P940063 00002	**2605319**	MOOVI 30 RMM		Barrier with 230 V motor for opening up to 3,0 m wide and opening time 4 s. Impact resistance by means of encoder. Grey RAL 7015 Control unit with built-in display and receiver.
P940063 00102	**2605320**	MOOVI 30 RMM RAL		Barrier with 230 V motor for opening up to 3,0 m wide and opening time 4 s. Impact resistance by means of encoder. RAL colour to order Control unit with built-in display and receiver. Check colour availability and type of finish with your regular supplier.
P940064 00002	**2605321**	MOOVI 30S		Barrier with 230 V motor for opening up to 3,0 m wide and opening time 1,5 s. Impact resistance by means of encoder. Grey RAL 7015 Fast barrier.
P940064 00102	**2613232**	MOOVI 30S RAL		Barrier with 230 V motor for opening up to 3,0 m wide and opening time 1,5 s. Impact resistance by means of encoder. RAL colour to order Fast barrier. Check colour availability and type of finish with your regular supplier.

Cp **Code**
Ci **International code**

U-Link
New
Phase-out

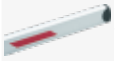
EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

Code	International code	Name		Description
P940064 00101	2614374	MOOVI 30S VELOCE BOOM 3MT 110V60 RAL		Barrier with 110 V motor for opening up to 3,0 m wide and opening time 1,5 s. Impact resistance by means of encoder. RAL colour to order Fast barrier.
P940064 00001	2614373	MOOVI 30S VELOCE BOOM 3MT 110V60 RAL7015		Barrier with 110 V motor for opening up to 3,0 m wide and opening time 1,5 s. Impact resistance by means of encoder. RAL colour to order Fast barrier.
P940065 00002	2605323	MOOVI 60		Barrier with 230 V motor for opening up to 6 m wide and opening time 8 s. Impact resistance by means of Sensitive edge. Grey RAL 7015 Control unit with built-in display and receiver.
P940065 00102	2613233	MOOVI 60 RAL		Barrier with 230 V motor for opening up to 6 m wide and opening time 8 s. Impact resistance by means of Sensitive edge. RAL colour to order Control unit with built-in display and receiver. Check colour availability and type of finish with your regular supplier.
P940065 00101	2614375	MOOVI 60 BAR.BOOM 5MT 110V50 RAL		Barrier with 110 V motor for opening up to 6 m wide and opening time 8 s. Impact resistance by means of Sensitive edge. RAL colour to order Control unit with built-in display and receiver.
P940065 00001	2605322	MOOVI 60 BAR.BOOM 5MT 110V50 RAL7015		Barrier with 110 V motor for opening up to 6 m wide and opening time 8 s. Impact resistance by means of Sensitive edge. RAL colour to order Control unit with built-in display and receiver.
P940066 00002	2605329	MOOVI 60 RMM		Barrier with 230 V motor for opening up to 6 m wide and opening time 8 s. Impact resistance by means of encoder. Grey RAL 7015 Control unit with built-in display and receiver.
P940066 00102	2605331	MOOVI 60 RMM RAL		Barrier with 230 V motor for opening up to 6 m wide and opening time 8 s. Impact resistance by means of encoder. RAL colour to order Control unit with built-in display and receiver. Check colour availability and type of finish with your regular supplier.
P940066 00101	2614377	MOOVI 60 RMM PRED. BAR.5MT 110V50 RAL		Barrier with 110 V motor for opening up to 6 m wide and opening time 8 s. Impact resistance by means of encoder. RAL colour to order Control unit with built-in display and receiver.
P940066 00001	2614376	MOOVI 60 RMM PRED. BAR.5MT 110V50 RAL7015		Barrier with 110 V motor for opening up to 6 m wide and opening time 8 s. Impact resistance by means of encoder. RAL colour to order Control unit with built-in display and receiver.
P940066 00004	2605330	MOOVI 60RMM INOX		Barrier with power supply 230 V for opening up to 6 m wide and opening time 8 s. Impact resistance by means of encoder. Stainless steel structure Control unit with built-in display and receiver.

VITAL ACCESSORIES



Cp N728033 - **Ci** 2600538
AQ3
Complete 3 metre rectangular boom for GIOTTO and MOOVI

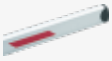
Cp N999507 - **Ci** 2600539
OMEGA AQ
Pack of accessories for installation of 3/5 m rectangular boom for MOOVI/GIOTTO

Cp N728032 - **Ci** 2600495
AT5
Complete 5 metre round boom for MOOVI/GIOTTO

Cp N999513 - **Ci** 2600796
OMEGA AT
Pack of accessories for installation of 3/5 m round boom for MOOVI/GIOTTO

Cp P120028 00002 - **Ci** 2605195
PCA N4
Top and bottom rubber cover profile for booms of 4 m max.

Cp P120028 00004 - **Ci** 2600826
PCA N6
Top and bottom rubber cover profile for booms of 6 m max.



Cp N728034 - **Ci** 2600782
AQ5
Complete 5 metre rectangular boom for GIOTTO and MOOVI

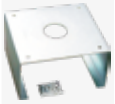
Cp N728031 - **Ci** 2600781
AT3
Complete 3 metre round boom for MOOVI/GIOTTO

Cp N728038 - **Ci** 2600492
AT6
Complete 6 metre round boom for MOOVI/GIOTTO

Cp P120028 00001 - **Ci** 2600953
PCA N3
Top and bottom rubber cover profile for booms of 3 m max.

Cp P120028 00003 - **Ci** 2605196
PCA N5
Top and bottom rubber cover profile for booms of 5 m max.

RECOMMENDED ACCESSORIES



Cp D730251 - **Ci** 2608500
CBO

Base plate for mod. MOOVI - GIOTTO

Cp P111274 - **Ci** 2611230
RME 1 BT

24 V single channel metal object detector with installation base

Cp P120023 - **Ci** 2600216
FAF 2

Rest fork for booms. For bolting to ground.

Cp P120025 - **Ci** 2600825
FAF 2R

Universal adjustable fork for booms to be secured to the ground. Recommissioned with SB skirt accessory installation.

Cp N999608 - **Ci** 2611133
ACTR

Pack of 12 additional reflective labels (1 pack already included with each boom)

Cp D573003 - **Ci** 2600129
SB

Aluminium skirt for road barrier booms. Price per linear metre (Calculate length of useful passage minus 40cm)

Cp P120001 00002 - **Ci** 2600230
KIT LIGHT1

Lights for booms over 4,5 m

Cp P120026 - **Ci** 2605194
ZFAF2

Additional anchor plates for cementing FAF2 forks to ground.

Cp D940008 - **Ci** 2600367
GA AQ AT

Movable support leg for AQ or AT booms (on MOOVI, MICHELANGELO and GIOTTO barriers) -

Cp N190104 - **Ci** 2600775
BIR C

Rubber safety edge (H 30 mm), price per m

Cp P120018 - **Ci** 2605192
THERMO

Thermostatically controlled heating element for use of GIOTTO BT A, MOOVI, MICHELANGELO BT A barriers to ambient temperatures of -40°C

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp N999509 - **Ci** 2605041
OMEGA AQ S/STEEL

Pack of accessories for installation of 3/5 m rectangular boom for MOOVI INOX

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp P120023 00100 - **Ci** 2613115
FAF 2 RAL

Fixed rest fork for booms with customised RAL colour. For bolting to ground.

Cp P120025 00100 - **Ci** 2613116
FAF 2R RAL

Fixed rest fork for booms with customised RAL colour. For bolting to ground.

Cp N728051 - **Ci** 2600128
ART 90 Q

90 ° articulated joint for Moovi and Giotto booms. Max 4m clear passage.

Cp P120001 00001 - **Ci** 2600135
KIT LIGHT

Lights on boom 3 - 4,5 m

Cp P125025 - **Ci** 2611428
CTO BAT NO BAT

Cp D940007 - **Ci** 2604518
GAM

Mobile rest leg for BGV barrier boom (not usable on BGV 30)

Cp D940009 - **Ci** 2600134
GAMA AQ AT

Dampened movable support leg for AQ or AT booms (on MOOVI, MICHELANGELO and GIOTTO barriers) -

Cp P111401 00001 - **Ci** 2600207
VENTIMIGLIA NS

Infrared device for BIR C or BAR C safety edges (conforms to EN 12978 Standard)

Cp P111376 - **Ci** 2601005
SCS 1

Expansion card

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

Magnetic loop 2 x 1 m

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
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BARRIER, MAXIMA ULTRA, MAXIMA, GIOTTO ULTRA

ARM ACCESSORIES COMPATIBILITY

		ACCESSORIES																						
		BOOM LIGHTS									RUBBER PROTECTION FOR BOOM						SKIRT				SUPPORTING FOOT REST FORK ELECTRIC LOCK			
BARRIER	BOOM	LIGHT PS/ES 30	LIGHT PS/ES 40	LIGHT PS/ES 50	LIGHT PS 60	KIT ATM LIGHT 3 R/G 2W	KIT ATM LIGHT 5 R/G 2W	KIT ATM LIGHT 8 R/G 2W	LIGHT 3 x BL-SMALL-SN 180 R/G 2W	LIGHT 5 x BL-SMALL-SN 180 R/G 2W	PCA ATM 3	PCA ATM 5	PCA ATM 8	PCA ES N3	PCA ES N4	PCA ES N5	BTM-SKIRT	FULL-SKIRT	RST ATM	FULL-SKIRT PRO	ADJ-FOOT	GA ATM	FORK-UNI	EBB KIT ATML
MAXIMA ULTRA 36 (2 / 6m)	BOOM PS	3 ●	3 ●	3 ●	3 ●												3 ●	3 ●			3 ●		●	3 ●
MAXIMA ULTRA 36 XL (2 / 6m)	BOOM PS	3 ●	3 ●	3 ●	3 ●												3 ●	3 ●			3 ●		●	3 ●
MAXIMA ULTRA 68 (4 / 8m)	ATML							3 ●					●						3 ●	3 ●		3 ●	●	3 ●
MAXIMA ULTRA 35 (1,7 / 3m)	ATM					●			●		●								2 ●					
MAXIMA ULTRA 35 (3 / 5m)	ATM						●			●		●							3 ●			3 ●	●	3 ●
MAXIMA 80 (6 / 8m)	ATML							●					●						●			●	●	●
MAXIMA 60 (4 / 6m)	ATML							●					●						●			●	●	●
MAXIMA 30 (1,7 / 3m)	ATM					●			●		●													
GIOTTO BT A ULTRA36 (3 / 6m)	BOOM PS	3 ●	3 ●											3 ●	3 ●		3 ●				3 ●			
GIOTTO BT A ULTRA36 (3 / 6m)	BOOM ES	3 ●	3 ●											3 ●	3 ●		3 ●				3 ●			
GIOTTO BT A ULTRA36 XL (3 / 6m)	BOOM PS		3 ●	3 ●	3 ●										3 ●	3 ●	3 ●				3 ●			
GIOTTO BT A ULTRA36 XL (3 / 6m)	BOOM ES		3 ●	3 ●	3 ●										3 ●	3 ●	3 ●				3 ●			

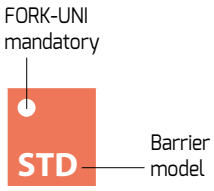
1 - Manage only red lights
2 - Only at slow speed
3 - Check the table to choose the barrier model and spring

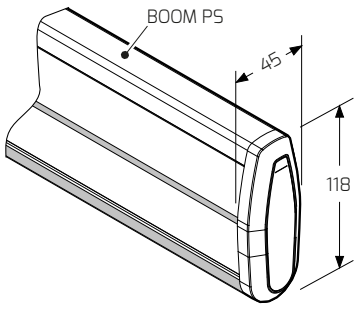
MAXIMA ULTRA 36

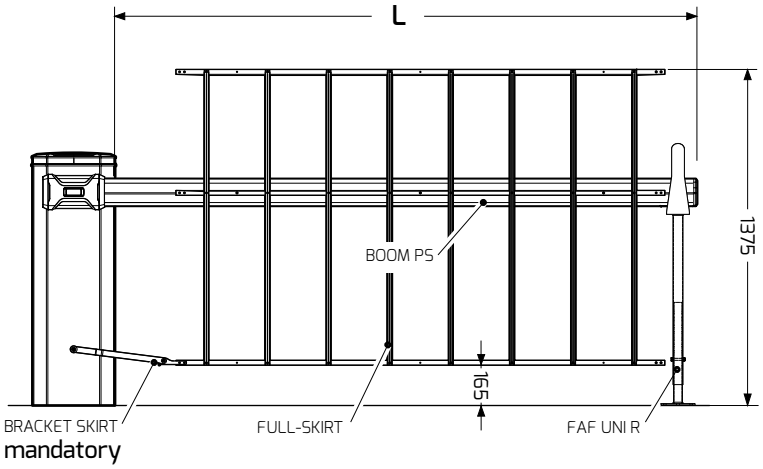
TABLE TO CHOOSE THE BARRIER VERSION

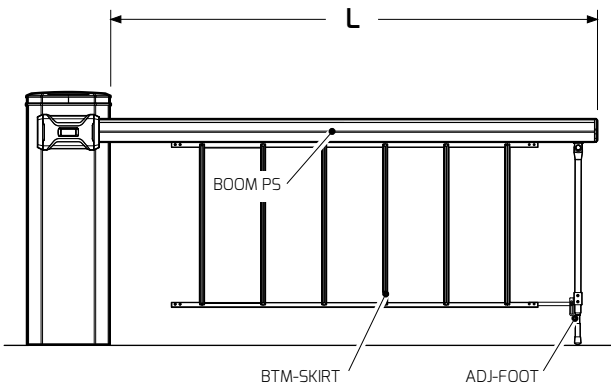
		L (mm)	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000
BOOM PS			STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	• STD	• STD	• STD	• STD
BOOM PS	+ HYPHEN PRO												STD	STD	STD	• STD	• STD	• STD	• STD
BOOM PS + ADJ-FOOT											STD	STD	STD	STD	STD	STD	STD	STD	XL
BOOM PS + ADJ-FOOT	+ HYPHEN PRO												STD	STD	STD	STD	STD	XL	XL
BOOM PS + EBB KIT ATML					• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• XL
BOOM PS + EBB KIT ATML	+ HYPHEN PRO												• STD	• STD	• STD	• STD	• STD	• STD	• XL
BOOM PS + BTM SKIRT					• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• XL	• XL	• XL	• XL
BOOM PS + BTM SKIRT	+ HYPHEN PRO												• STD	• STD	• STD	• XL	• XL	• XL	• XL
BOOM PS + BTM SKIRT + ADJ-FOOT											STD	STD	STD	STD	STD	XL	XL	XL	XL
BOOM PS + BTM SKIRT + ADJ-FOOT	+ HYPHEN PRO												STD	STD	XL	XL	XL	XL	XL
BOOM PS + BTM SKIRT + EBB KIT ATML					• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• XL	• XL	• XL	• XL	• XL
BOOM PS + BTM SKIRT + EBB KIT ATML	+ HYPHEN PRO												• STD	• STD	• XL	• XL	• XL	• XL	• XL
BOOM PS + FULL SKIRT					• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• XL	• XL	• XL	• XL
BOOM PS + FULL SKIRT	+ HYPHEN PRO												• STD	• STD	• XL	• XL	• XL	• XL	• XL
BOOM PS + FULL SKIRT + EBB KIT ATML					• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• STD	• XL	• XL	• XL	• XL	
BOOM PS + FULL SKIRT + EBB KIT ATML	+ HYPHEN PRO												• STD	• XL	• XL	• XL	• XL	• XL	

Barrier model	Spring wire	Note
STD	Ø 10 mm	≥ 5m HYPEN PS mandatory
XL	Ø 11 mm	HYPEN PS standard









MAXIMA ULTRA 68

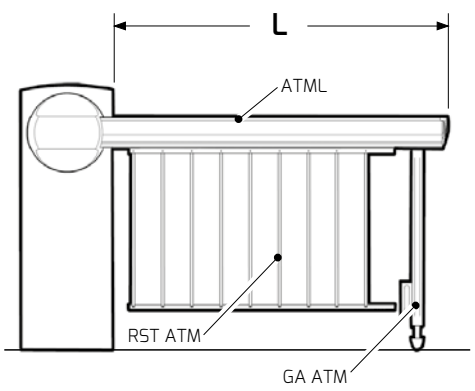
TABLE TO CHOOSE THE SPRING

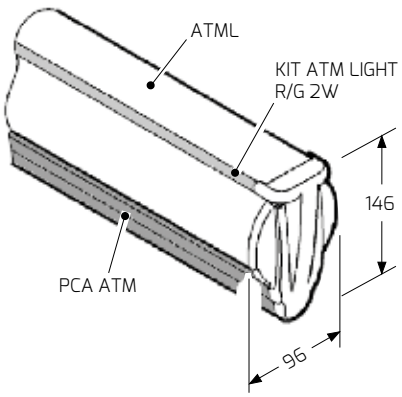
	L (mm)	4000	4500	5000	5500	6000	6500	7000	7500	8000
ATML		W+W	W+W	Y	Y	W+Y	Y+Y	Y+Y	Y+P	Y+P
ATML + KIT ATM LIGHT R/G 2W		W+W	W+W	Y	Y	W+Y	Y+Y	Y+Y	Y+P	P+P
ATML + PCA ATM		W+W	Y	Y	W+Y	W+Y	Y+Y	Y+P	P+P	P+B
ATML + KIT ATM LIGHT R/G 2W + PCA ATM		W+W	Y	Y	W+Y	W+Y	Y+P	Y+P	P+P	P+B
ATML + GA ATM (*)		W+W	Y	Y	W+Y	W+Y	Y+Y	Y+P	P+P	P+P
ATML + KIT ATM LIGHT R/G 2W + GA ATM (*)		W+W	Y	Y	W+Y	W+Y	Y+Y	Y+P	P+P	P+B
ATML + PCA ATM + GA ATM (*)		W+W	Y	W+Y	W+Y	Y+Y	P+P	P+P	P+B	B+B
ATML + KIT ATM LIGHT R/G 2W + PCA ATM + GA ATM (*)		Y	Y	W+Y	W+Y	Y+Y	P+P	P+P	P+B	B+B
ATML + RST ATM		W+W	Y	W+Y	W+Y	Y+Y	P+P	P+P	P+B	B+B
ATML + RST ATM + KIT ATM LIGHT R/G 2W		Y	Y	W+Y	W+Y	Y+Y	P+P	P+P	P+B	
ATML + RST ATM + GA ATM (*)		Y	Y	W+Y	Y+Y	Y+Y	P+P	P+B	B+B	
ATML + RST ATM + KIT ATM LIGHT R/G 2W + GA ATM (*)		Y	W+Y	W+Y	Y+Y	Y+Y	P+P	P+B	B+B	

(*) GA ATM = EBB KIT ATML

KIND OF SPRINGS

Spring	Spring wire	Color
W+W	Ø 7.5 + Ø 7.5	White + White
W+Y	Ø 7.5 + Ø 9.0	White + Yellow
Y	Ø 9.0	Yellow
Y+Y	Ø 9.0 + Ø 9.0	Yellow + Yellow
Y+P	Ø 9.0 + Ø 9.5	Yellow + Purple
P+P	Ø 9.5 + Ø 9.5	Purple + Purple
P+B	Ø 9.5 + Ø 11.0	Purple + Black
B+B	Ø 11.0 + Ø 11.0	Black + Black





MAXIMA ULTRA 68 + OMEGA FRC ATML U

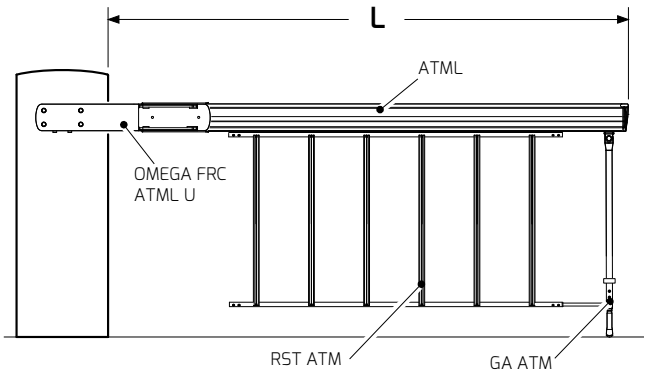
TABLE TO CHOOSE THE SPRING

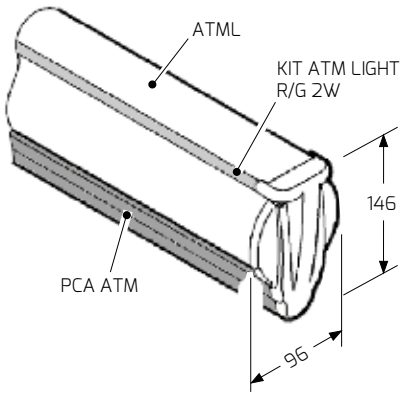
	L (mm)	4000	4500	5000	5500	6000	6500	7000	7500	8000
ATML		W+W	Y	Y	W+Y	W+Y	Y+Y	Y+P	Y+P	P+P
ATML + KIT ATM LIGHT R/G 2W		Y	Y	W+Y	W+Y	Y+Y	Y+Y	Y+P	P+P	P+P
ATML + PCA ATM		Y	W+Y	W+Y	W+Y	Y+Y	Y+Y	P+P	P+B	P+B
ATML + KIT ATM LIGHT R/G 2W + PCA ATM		Y	W+Y	W+Y	Y+Y	Y+Y	Y+P	P+P	P+B	B+B
ATML + GA ATM (*)		Y	W+Y	W+Y	W+Y	Y+Y	Y+Y	P+P	P+B	P+B
ATML + KIT ATM LIGHT R/G 2W + GA ATM (*)		Y	W+Y	W+Y	W+Y	Y+Y	Y+Y	P+P	P+B	P+B
ATML + PCA ATM + GA ATM (*)		Y	W+Y	W+Y	Y+Y	Y+Y	Y+P	P+B	P+B	B+B
ATML + KIT ATM LIGHT R/G 2W + PCA ATM + GA ATM (*)		Y	W+Y	W+Y	Y+Y	Y+Y	Y+P	P+B	B+B	B+B
ATML + RST ATM		Y	W+Y	W+Y	Y+Y	Y+Y	Y+P	P+B	B+B	B+B
ATML + RST ATM + KIT ATM LIGHT R/G 2W		Y	W+Y	W+Y	Y+Y	Y+Y	Y+P	P+B	B+B	B+B
ATML + RST ATM + GA ATM (*)		W+Y	W+Y	Y+Y	Y+Y	Y+Y	P+P	P+B	B+B	B+B
ATML + RST ATM + KIT ATM LIGHT R/G 2W + GA ATM (*)		W+Y	W+Y	Y+Y	Y+Y	Y+Y	P+P	B+B	B+B	B+B

(*) GA ATM = EBB KIT ATML

KIND OF SPRINGS

Spring	Spring wire	Color
W+W	Ø 7.5 + Ø 7.5	White + White
W+Y	Ø 7.5 + Ø 9.0	White + Yellow
W+P	Ø 7.5 + Ø 9.5	White + Purple
Y	Ø 9.0	Yellow
Y+Y	Ø 9.0 + Ø 9.0	Yellow + Yellow
Y+P	Ø 9.0 + Ø 9.5	Yellow + Purple
Y+B	Ø 9.0 + Ø 11.0	Yellow + Black
P	Ø 9.5	Purple
P+P	Ø 9.5 + Ø 9.5	Purple + Purple
P+B	Ø 9.5 + Ø 11.0	Purple + Black
B+B	Ø 11.0 + Ø 11.0	Black + Black





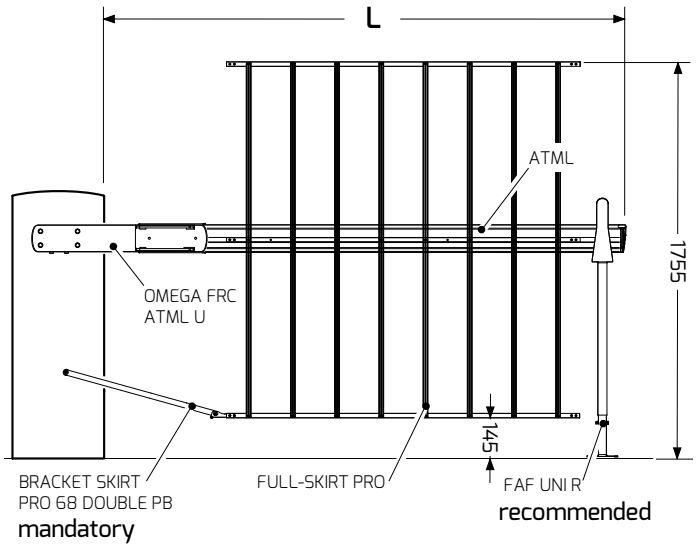
MAXIMA ULTRA 68 + OMEGA FRC ATML U

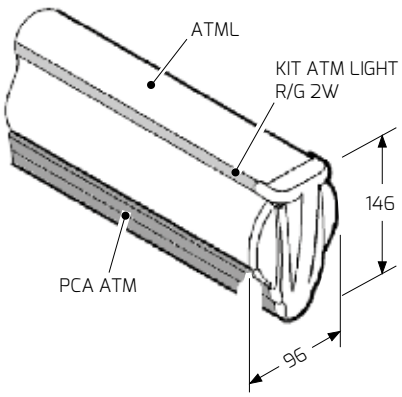
TABLE TO CHOOSE THE SPRING

	L (mm)	4000	4500	5000	5500	6000	6500	7000
ATML + FULL-SKIRT PRO		P	P	W+P	Y+Y	Y+P	P+B	P+B
ATML + KIT ATM LIGHT R/G 2W + FULL-SKIRT PRO		P	P	Y+Y	Y+P	Y+P	P+B	B+B
ATML + FULL-SKIRT PRO + EBB KIT ATML		P	W+P	Y+Y	Y+P	Y+P	P+B	B+B
ATML + KIT ATM LIGHT R/G 2W + FULL-SKIRT PRO + EBB KIT ATML		P	W+P	Y+Y	Y+P	Y+B	P+B	B+B

SPRINGS

Spring	Spring wire	Color
W+P	Ø 7.5 + Ø 9.5	White + Purple
Y+Y	Ø 9.0 + Ø 9.0	Yellow + Yellow
Y+P	Ø 9.0 + Ø 9.5	Yellow + Purple
Y+B	Ø 9.0 + Ø 11.0	Yellow + Black
P	Ø 9.5	Purple
P+B	Ø 9.5 + Ø 11.0	Purple + Black
B+B	Ø 11.0 + Ø 11.0	Black + Black





MAXIMA ULTRA 35

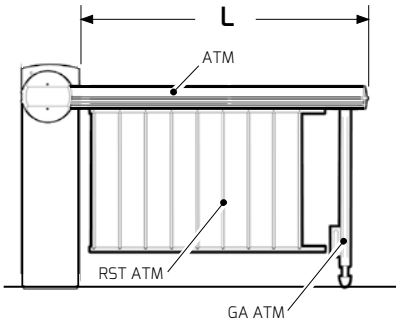
TABLE TO CHOOSE THE SPRING

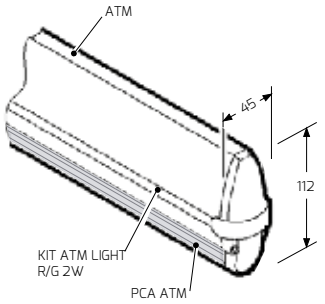
	L (mm)	1700	2000	2250	2500	2750	3000	3500	4000	4500	5000
ATM		R	R	R	R	B	B	G	G	G	G
ATM + KIT ATM LIGHT R/G 2W		R	R	R	R	B	B	G	G	G	G
ATM + PCA ATM		R	R	R	R	B	B	G	G	G	G
ATM + KIT ATM LIGHT R/G 2W + PCA ATM		R	R	R	R	B	B	G	G	G	G
ATM + GA ATM (*)									G	G	G
ATM + KIT ATM LIGHT R/G 2W + GA ATM (*)									G	G	G
ATM + PCA ATM + GA ATM (*)									G	G	G
ATM + KIT ATM LIGHT R/G 2W + PCA ATM + GA ATM (*)									G	G	
ATM + RST ATM		R	R	B	B	B	G	G	G	G	
ATM + RST ATM + KIT ATM LIGHT R/G 2W		R	R	B	B	B	G	G	G	G	
ATM + RST ATM + GA ATM (*)								G	G		
ATM + RST ATM + KIT ATM LIGHT R/G 2W + GA ATM (*)								G	G		

(*) GA ATM = EBB KIT ATML

SPRINGS

Spring	Spring Ø	Color
R	Ø 7.5	Red
B	Ø 8.0	Blue
G	Ø 9.5	Green





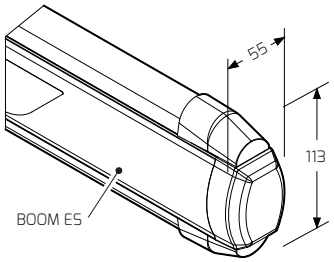
GIOTTO BT A ULTRA36

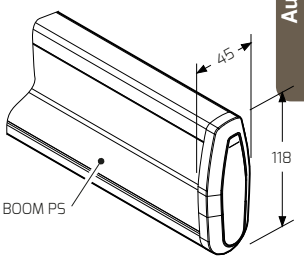
TABLE TO CHOOSE THE BARRIER VERSION

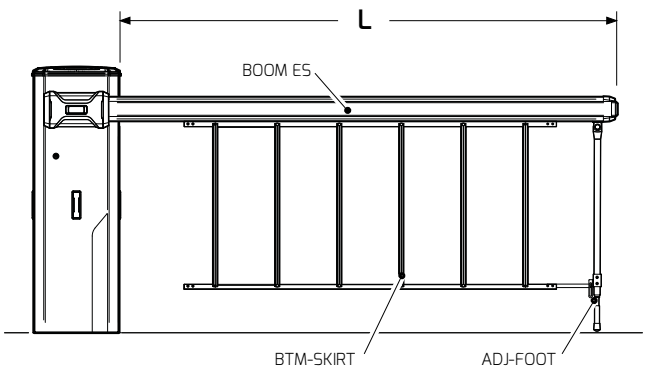
	L (mm)	2000	2500	3000	3500	4000	4500	5000	5500	6000
BOOM ES / BOOM PS without lights - without rubbers		STD	STD	STD	STD	STD	XL	XL	XL	XL
BOOM ES / BOOM PS (*)		STD	STD	STD	STD	STD	XL	XL		
BOOM ES / BOOM PS (*) + ADJ-FOOT				STD	STD	XL	XL			
BOOM ES / BOOM PS (*) + BTM SKIRT				STD	STD	XL				
BOOM ES / BOOM PS (*) + ADJ-FOOT + BTM SKIRT				STD	XL	XL				

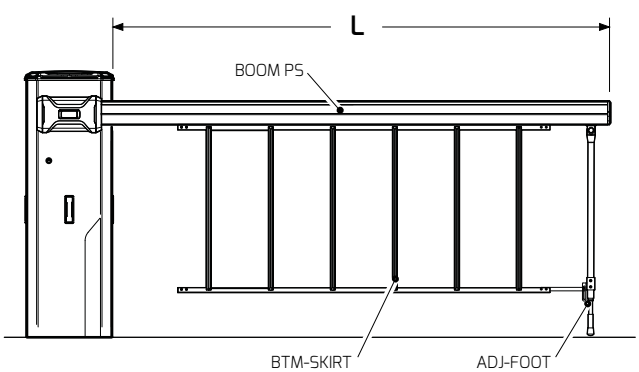
(*)includer lights and protection rubber

Barrier model		Spring wire
STD	GIOTTO BT A ULTRA36	Ø 8 mm
XL	GIOTTO BT A ULTRA36 XL	Ø 10 mm









MICHELANGELO BT A

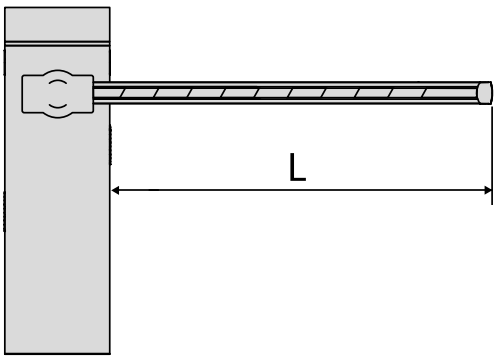
LENGHT OF BOOM AND BALANCING (m)

SB	PCA N (above boom only)	PCA N (below boom only)	KIT LIGHT	GA AQ AT - GAMA AQ AT	BIR	MCL 40 + AT 704						MCL 40 + AQ 6						MCL 60 + AQ 6				MCL 60 + AT 704 + ATT502				MCL 60 + AT706				MCL 80 + AT 706		MCL 80 + AT 704+AT504	
						A		B		C		A		B		C		A		B		A		B		A		B		A		A	
						min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L
	●							3.0	3.6	2.4	3.1			3.3	4.0	2.8	3.6	5.7	6.0	4.8	5.9	5.4	6.0	3.9	5.1	5.1	5.7	4.0	5.1			7.9	8.0
	●	●				3.8	4	2.9	3.5	2.3	3.0			3.3	4.0	2.7	3.4	5.6	6.0	4.5	5.6	5.3	6.0	3.8	5.1	4.9	5.5	3.9	4.9			7.8	8.0
	●	●	●			3.8	4.0	2.8	3.4	2.3	2.9			3.3	3.9	2.6	3.3	5.5	6.0	4.4	5.5	5.2	6.0	3.8	5.1	4.8	5.4	3.8	4.8			7.6	8.0
					●	3.6	3.9	2.8	3.3	2.2	2.8			3.1	3.7	2.5	3.2	5.4	6.0	4.5	5.5	5.0	5.8	4.2	5.0	4.6	5.2	3.7	4.6			7.3	7.8
	●				●	3.5	3.8	2.7	3.2	2.1	2.7	3.9	4.0	3.0	3.6	2.4	3.0	5.4	6.0	4.4	5.3	4.8	5.6	3.4	4.6	4.5	5.0	3.6	4.5			7.0	7.4
	●		●		●	3.5	3.7	2.6	3.1	2.1	2.7	3.9	4.0	2.9	3.5	2.3	3.0	5.3	5.9	4.3	5.3	4.7	5.5	3.3	4.5	4.4	4.9	3.5	4.4			6.9	7.3
●						3.1	3.3	2.4	2.8	1.9	2.4	3.4	3.7	2.6	3.1	2.1	2.6	4.7	5.2	3.8	4.5					4.0	4.5	3.2	4.0	5.8	6.0		
●	●					3.0	3.2	2.3	2.7	1.8	2.3	3.3	3.5	2.5	3.0	2.0	2.5	4.6	5.1	3.7	4.4					3.9	4.4	3.1	3.9	5.6	5.9		
●	●		●			3.0	3.2	2.3	2.7	1.8	2.3	3.3	3.5	2.5	2.9	2.0	2.5	4.5	5.0	3.6	4.4					3.8	4.3	3.0	3.8	5.6	5.8		
				●		3.9	4.0	2.8	3.5	2.3	2.9			3.3	4.0	2.6	3.4	5.6	6.0	4.5	5.5	5.3	6.0	3.6	5.1	5.0	5.6	3.9	5.0			7.9	8.0
	●			●		3.7	3.9	2.7	3.3	2.2	2.8			3.1	3.8	2.5	3.2	5.5	6.0	4.4	5.5	5.2	6.0	3.5	5.0	4.8	5.4	3.8	4.8			7.5	8.0
	●	●		●		3.5	3.8	2.6	3.2	2.1	2.7			3.0	3.6	2.3	3.0	5.4	6.0	4.3	5.5	5.2	5.9	3.4	4.9	4.6	5.2	3.6	4.6			7.1	7.6
	●		●	●		3.6	3.9	2.7	3.3	2.2	2.8			3.1	3.7	2.4	3.1	5.4	6.0	4.4	5.5	5.1	5.9	3.4	5.0	4.7	5.3	3.7	4.7			7.4	8.0
	●	●	●	●		3.5	3.7	2.6	3.1	2.1	2.6	3.9	4.0	2.9	3.5	2.3	3.0	5.3	6.0	4.2	5.3	4.9	5.7	3.1	4.5	4.5	5.1	3.6	4.5			7.1	7.8
				●	●	3.4	3.6	2.5	3.0	2.0	2.5	3.8	4.0	2.8	3.4	2.3	2.9	5.4	5.9	4.3	5.3	4.7	5.5	3.1	4.5	4.4	4.9	3.5	4.4			6.8	7.5
	●			●	●	3.3	3.5	2.4	2.9	2.0	2.5	3.6	3.9	2.7	3.3	2.2	2.8	5.0	5.6	4.0	4.9	4.5	5.3	2.9	4.2	4.3	4.8	3.3	4.2			6.5	7.2
	●		●	●	●	3.2	3.4	2.4	2.9	1.9	2.4	3.6	3.8	2.6	3.2	2.1	2.7	4.9	5.5	3.9	4.9	4.5	5.2	2.8	4.1	4.2	4.7	3.3	4.2			6.4	7.1
●				●		2.9	3.1	2.2	2.6	1.7	2.2	3.2	3.4	2.4	2.9	1.9	2.4	4.4	4.9	3.3	4.2					3.8	4.3	3.0	3.8	5.6	5.8		
●	●			●		2.8	3.1	2.1	2.6	1.6	2.1	3.1	3.3	2.3	2.8	1.8	2.3	4.3	4.8	3.2	4.1					3.7	4.2	2.9	3.7	5.5	5.7		
●	●		●	●		2.8	3.0	2.1	2.5	1.6	2.1	3.0	3.3	2.3	2.7	1.8	2.3	4.2	4.7	3.2	4.0					3.6	4.1	2.9	3.6	5.4	5.6		
								3.4	4.0	2.6	3.2			3.8	4.0	3.0	3.8	5.3	6.0	4.8	6.0	5.2	6.0	3.8	5.1	5.3	6.0	4.2	5.3			7.9	8.0

GIOTTO - GIOTTO BT A

LENGHT OF BOOM AND BALANCING (m)

SB	PCA N (above boom only)	PCA N (below boom only)	KIT LIGHT	GA AQ AT /* GAMA AQ AT	BIR	GIOTTO BT / GIOTTO S BT 60				GIOTTO BT / GIOTTO S BT 30					
						A		B		A		B		C	
						min L	max L	min L	max L	min L	max L	min L	max L	min L	max L
	●					5.0	5.0	3.9	5.0					1.9	3.0
	●	●				4.7	5.0	3.7	4.9					1.8	3.0
	●	●	●			4.6	5.0	3.6	4.7			2.9	3.0	1.7	2.9
					●	4.4	4.9	3.4	4.5			2.8	3.0	1.7	2.8
	●				●	4.2	4.6	3.3	4.3			2.7	3.0	1.6	2.7
	●		●		●	4.1	4.5	3.2	4.2			2.6	3.0	1.5	2.6
●						3.6	4.0	2.8	3.7	2.8	3.0	2.3	2.6	1.3	2.3
●	●					3.4	3.8	2.7	3.6	2.7	2.9	2.2	2.5	1.3	2.2
●	●		●			3.4	3.8	2.7	3.5	2.7	2.9	2.2	2.5	1.3	2.2
				●		4.8	5.0	3.7	5.0			2.9	3.0	1.6	2.9
	●			●		4.5	5.0	3.5	4.7			2.8	3.0	1.5	2.8
	●	●		●		4.3	4.8	3.3	4.4			2.6	3.0	1.4	2.6
	●	●	●	●		4.2	4.7	3.2	4.3			2.5	3.0	1.4	2.5
				●	●	4.0	4.5	3.1	4.2			2.5	2.9	1.3	2.5
	●			●	●	3.8	4.3	2.9	4.0	2.9	3.0	2.3	2.8	1.3	2.3
	●		●	●	●	3.7	4.2	2.9	3.9	2.9	3.0	2.3	2.7	1.2	2.3
●				●		3.3	3.7	2.6	3.5	2.5	2.8	2.0	2.4	1.1	2.0
●	●			●		3.2	3.6	2.5	3.3	2.5	2.7	2.0	2.3	1.1	2.0
●	●		●	●		3.2	3.5	2.4	3.3	2.4	2.7	1.9	2.3	1.0	1.9
						6.0	6.0	4.4	5.0					2.1	3.0



MOOVI 30-60

LENGHT OF BOOM AND BALANCING (m)

SB	PCA N (above boom only)	PCA N (below boom only)	KIT LIGHT	GA/GAMA AQ AT	BIR	MOOVI 60				MOOVI 30			
						A		B		B		C	
						min L	max L	min L	max L	min L	max L	min L	max L
	●					5.0	5.0	3.9	5.0			2.9	3.0
	●	●				4.7	5.0	3.7	4.9			2.8	3.0
	●	●	●			4.6	5.0	3.6	4.7			2.7	3.0
					●	4.4	4.9	3.4	4.5			2.6	3.0
	●				●	4.2	4.6	3.3	4.3			2.4	3.0
	●		●		●	4.1	4.5	3.2	4.2	2.9	3.0	2.4	3.0
●						3.6	4.0	2.8	2.7	2.9	3.0	2.1	3.0
●	●					3.4	3.8	2.7	3.6	2.8	3.0	2.0	3.0
●	●		●			3.4	3.8	2.7	3.5	2.7	3.0	1.9	3.0
				●		4.8	5.0	3.7	5.0			2.7	3.0
	●			●		4.5	5.0	3.5	4.7			2.5	3.0
	●	●		●		4.3	4.8	3.3	4.4			2.4	3.0
	●	●	●	●		4.2	4.7	3.2	4.3	2.9	3.0	2.3	3.0
				●	●	4.0	4.5	3.1	4.2	2.8	3.0	2.2	3.0
	●			●	●	3.8	4.3	2.9	4.0	2.7	3.0	2.1	3.0
	●		●	●	●	3.7	4.2	2.9	3.9	2.9	3.0	2.1	3.0
●				●		3.3	3.7	2.6	3.5	2.6	3.0	1.8	3.0
●	●			●		3.2	3.6	2.5	3.3	2.6	3.0	1.7	3.0
●	●		●	●		3.2	3.5	2.4	3.3	2.5	3.0	1.7	3.0
						6.0	6.0	4.4	5.0			2.9	3.0

Cp Code

Ci International code

U-Link

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Ph. Out Phase-out

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P. 282

Accessories:
P. 282

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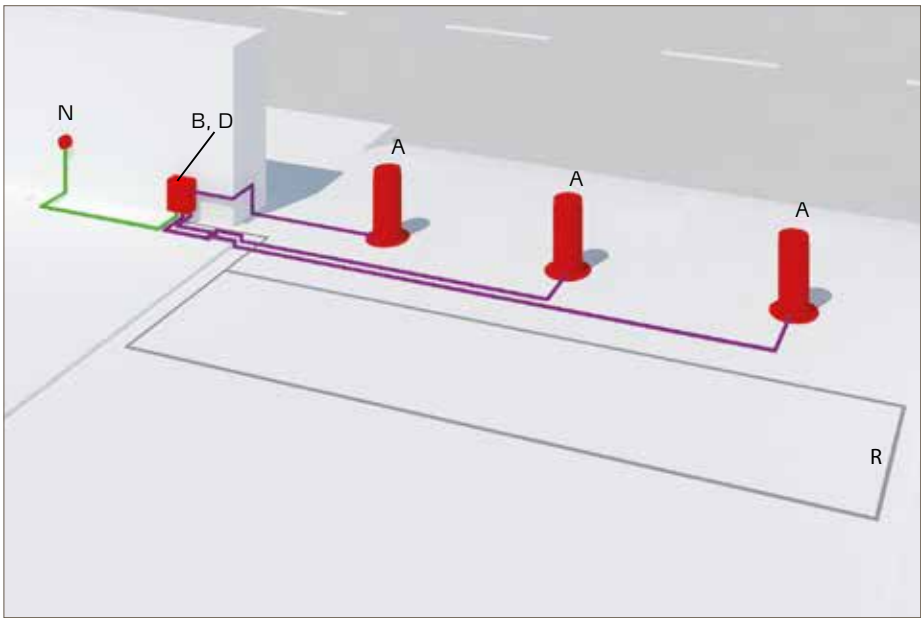
release systems P. 292

Guide to choosing

Rod height	Rod diameter	Power supply	Kit	Model	Plus
automatic hydraulic bollards					
600 mm	273 mm	230 V	-	PILLAR B 275/600.6C L	LED light cap.
			-	PILLAR B 275/600.6C L - RAL	LED light cap.
			-	PILLAR B 275/600.6C LI STAINLESS STEEL 316	LED light cap. AISI 316L stainless steel version.
			-	PILLAR B 275/600.6C L SD	LED light cap. Security & Device version.
			-	PILLAR B 275/600.6C L SD - RAL	LED light cap. Security & Device version.
			-	PILLAR B275/600.6C LI SD STAINLESS STEEL 316	LED light cap. Security & Device version. AISI 316L stainless steel version.
800 mm			-	PILLAR B 275/800.6C L	LED light cap.
			-	PILLAR B 275/800.6C L - RAL	LED light cap.
			-	PILLAR B 275/800.6C LI STAINLESS STEEL 316	LED lights cap, AISI 316L stainless steel version.
			-	PILLAR B 275/800.6C L SD	LED light cap. Security & Device version.
			-	PILLAR B 275/800.6C L SD - RAL	LED light cap. Security & Device version.
			-	PILLAR B 275/800.6C LI SD STAINLESS STEEL 316	LED light cap. Security & Device version. AISI 316L stainless steel version.
automatic electromechanical bollards					
490 mm	114 mm	230 V	-	STOPPY B 115/500	Slowdown in opening and closing.
			-	STOPPY B 115/500 - RAL	Slowdown in opening and closing.
	219 mm		-	STOPPY MBB KIT 219/500.C 230 L C	Cap with integrated lights and buzzer.
			-	STOPPY MBB KIT 219/500.C 230 L C - RAL	Cap with integrated lights and buzzer.
			-	STOPPY MBB KIT 219/500.C 230 LI C	Cap with integrated lights and buzzer. AISI 304 stainless steel version.
700 mm	194 mm		-	STOPPY B 200/700	Slowdown in opening and closing.
			-	STOPPY B 200/700 - RAL	Slowdown in opening and closing.
	219 mm		-	STOPPY MBB KIT 219/700.C 230 L C	Cap with integrated lights and buzzer.
			-	STOPPY MBB KIT 219/700.C 230 L C - RAL	Cap with integrated lights and buzzer.
			-	STOPPY MBB KIT 219/700.C 230 LI C	AISI 304 stainless steel version.
Semi-automatic bollards					
490 mm	219 mm	-	-	DAMPY B 219/500 L	Cap with lights.
			-	DAMPY B 219/500 L - RAL	Cap with lights. RAL colour as requested.
			-	DAMPY B 219/500 LI	Cap with lights. 304 stainless steel version.
500 mm	114 mm		-	DAMPY B 115/500	Version without lights.
			-	DAMPY B 115/500 - RAL	Version without lights. RAL colour as requested.
			-	DAMPY B 115/500 I	304 stainless steel version.
700 mm	219 mm		-	DAMPY B 219/700 L	Cap with lights.
			-	DAMPY B 219/700 L - RAL	Cap with lights.
			-	DAMPY B 219/700 LI	Cap with lights. 304 stainless steel version.
TypeNoSet					
-	-	-	-	TOTEM UNIT	
			-	TOTEM UNIT - RAL	
Fixed bollards					
490 mm	219 mm	-	-	RANCH B 219/500 L	Version with lights and painted steel shaft, RAL 7015.
			-	RANCH B 219/500 L - RAL	Version with lights and painted steel shaft. RAL colour to order.
			-	RANCH B 219/500 LI	Version with lights and AISI 304 stainless steel shaft.
600 mm	273 mm		-	RANCH C 275/600CN L	High breakage resistance.
			-	RANCH C 275/600CN L - RAL	High breakage resistance.
			-	RANCH C 275/600CN LI STAINLESS STEEL 316	High breakage resistance.
700 mm	219 mm		-	RANCH B 219/700 L	Version with lights and painted steel shaft, RAL 7015.
			-	RANCH B 219/700 L - RAL	Version with lights and painted steel shaft. RAL colour to order.
			-	RANCH B 219/700 LI	Version with lights and AISI 304 stainless steel shaft.
800 mm	273 mm		-	RANCH C 275/800CN L	High breakage resistance.
			-	RANCH C 275/800CN L - RAL	High breakage resistance.
			-	RANCH C 275/800CN LI STAINLESS STEEL 316	High breakage resistance.
manual bollards					
625 mm	114 mm	-	-	RANCH R Ø115-625 DISS. RIBALT.	

Installation guide



A	Bollard
B	Control unit
D	Receiver
N	Junction box
R	Magnetic loop detector
	2x1,5
	3x1,5
	RG 58
	2x1
	13x1

Cp Code
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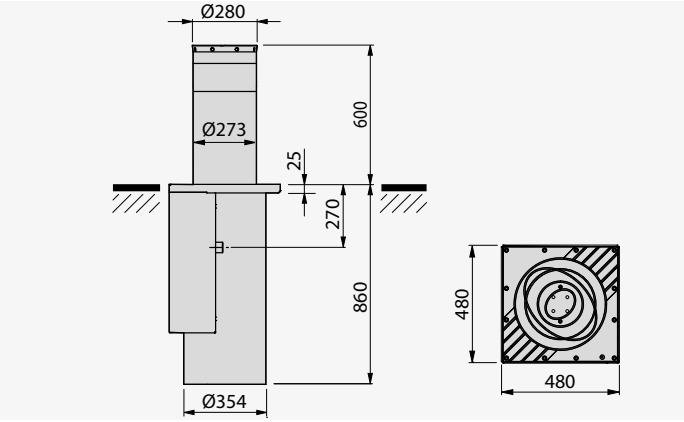
PILLAR B 275 / 600

Automatic high strength anti-terrorism hydraulic bollard with incorporated hydraulic control unit. Suitable for protecting sensitive sites, thanks to the special "SD" version, which keeps the shaft raised in case of a power failure and with public installations where, in the standard version, the shaft lowers automatically when the power is cut.

DIMENSIONS (mm)



TECHNICAL FEATURES

	PILLAR B 275/600.6C L	PILLAR B 275/600.6C L - RAL	PILLAR B 275/600.6C LI STAINLESS STEEL 316
Rise time	4,8 s	4,8 s	4,8 s
Lowering time	4,3 s	4,3 s	4,3 s
Rod height	600 mm	600 mm	600 mm
Rod diameter	273 mm	273 mm	273 mm
Rod thickness	6 mm	6 mm	6 mm
Power supply	230 V	230 V	230 V
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE
Impact resistance	20000 J	20000 J	20000 J
Break-in proof	250000 J	250000 J	250000 J
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage
Frequency of use	3000 Op/gg	3000 Op/gg	3000 Op/gg
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 316L stainless steel
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP67	IP67	IP67

	PILLAR B 275/600.6C L SD	PILLAR B 275/600.6C L SD - RAL	PILLAR B275/600.6C LI SD STAINLESS STEEL 316
Rise time	4,8 s	4,8 s	4,8 s
Lowering time	4,3 s	4,3 s	4,3 s
Rod height	600 mm	600 mm	600 mm
Rod diameter	273 mm	273 mm	273 mm
Rod thickness	6 mm	6 mm	6 mm
Power supply	230 V	230 V	230 V
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE
Impact resistance	20000 J	20000 J	20000 J
Break-in proof	250000 J	250000 J	250000 J
Manual cycle	Release key	Release key	Release key
Frequency of use	3000 Op/gg	3000 Op/gg	3000 Op/gg
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 316L stainless steel
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP67	IP67	IP67

Code	International code	Name		Description
P970092 00001	**2600877**	**PILLAR B 275/600.6C L**		230 V hydraulic bollard, shaft height 600 mm and diameter 273 mm. In the event of a power cut, the bollard lowers automatically. Painted stainless steel version, RAL 7015. Foundation box included. LED light cap.
P970092 00101	**2605578**	**PILLAR B 275/600.6C L - RAL**		230 V hydraulic bollard, shaft height 600 mm and diameter 273 mm. In the event of a power cut, the bollard lowers automatically. RAL colour to order. Foundation box included. LED light cap. Check colour availability and type of finish with your regular supplier.
P970092 00302	**2601340**	**PILLAR B 275/600.6C LI STAINLESS STEEL 316**		230 V hydraulic bollard, shaft height 600 mm and diameter 273 mm. In the event of a power cut, the bollard lowers automatically. Foundation box included. LED light cap. AISI 316L stainless steel version.
P970092 00003	**2601339**	**PILLAR B 275/600.6C L SD**		Hydraulic bollard 230 V, shaft height 600 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm approved. The shaft stays raised in case of a power failure. RAL 7015 painted steel version. LED light cap. Security & Device version.
P970092 00103	**2613166**	**PILLAR B 275/600.6C L SD - RAL**		230 V hydraulic bollard, shaft height 600 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, approved. The shaft remains in the raised position in case of a power failure. Painted steel version, RAL colour to order. Foundation box included. LED light cap. Security & Device version. Check colour availability and type of finish with your regular supplier.
P970092 00304	**2601341**	**PILLAR B275/600.6C LI SD STAINLESS STEEL 316**		230 V hydraulic bollard, shaft height 600 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, certified. In the event of a power cut, the bollard remains raised. Foundation box included. LED light cap. Security & Device version. AISI 316L stainless steel version.

PERSEO CBE 230.P SD: Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)

Cp D113812 00002 - Ci 2600139 - PERSEO CBE 230.P SD - Recommended

- Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

RECOMMENDED ACCESSORIES

Cp P800102 - **Ci** 2605281
PILLAR ALARM
Magnetic anti-theft kit for PILLAR B hydraulic bollards. To be requested when ordering

Cp P111001 00003 - **Ci** 2611209
RME 2
230 V dual channel metal object detector with installation base

Cp P800114 - **Ci** 2605291
BOLLARD CABLE EXT25
Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V
Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4
4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp D113705 - **Ci** 2607461
ACOUSTIC DETECTOR
Adjustable acoustic detector for sirens

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1
Magnetic loop 2 x 1 m

Cp P800115 - **Ci** 2605292
BOLLARD CABLE EXT50
Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2
2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
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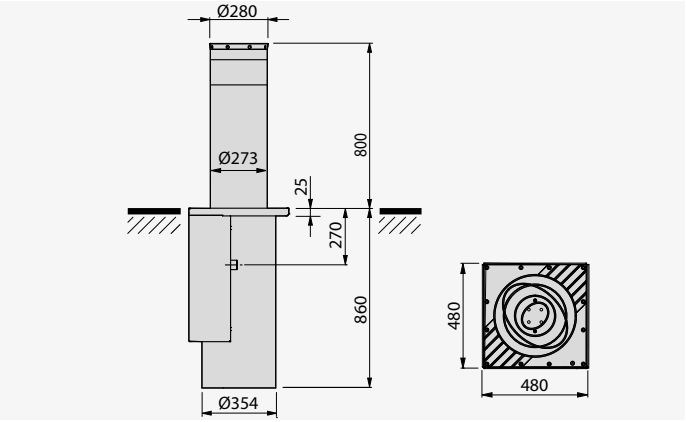
PILLAR B 275/800.6C

Automatic high strength anti-terrorism hydraulic bollard with incorporated hydraulic control unit. Suitable for protecting sensitive sites, thanks to the special "SD" version, which keeps the shaft raised in case of a power failure and with public installations where, in the standard version, the shaft lowers automatically when the power is cut.

DIMENSIONS (mm)



TECHNICAL FEATURES

	PILLAR B 275/800.6C L	PILLAR B 275/800.6C L - RAL	PILLAR B 275/800.6C LI STAINLESS STEEL 316
Rise time	6,1 s	6,1 s	6,1 s
Lowering time	5 s	5 s	5 s
Rod height	800 mm	800 mm	800 mm
Rod diameter	273 mm	273 mm	273 mm
Rod thickness	6 mm	6 mm	6 mm
Power supply	230 V	230 V	230 V
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE
Impact resistance	20000 J	20000 J	20000 J
Break-in proof	250000 J	250000 J	250000 J
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage
Frequency of use	3000 Op/gg	3000 Op/gg	3000 Op/gg
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 316L stainless steel
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP67	IP67	IP67

	PILLAR B 275/800.6C L SD	PILLAR B 275/800.6C L SD - RAL	PILLAR B 275/800.6C LI SD STAINLESS STEEL 316
Rise time	6,1 s	6,1 s	6,1 s
Lowering time	5 s	5 s	5 s
Rod height	800 mm	800 mm	800 mm
Rod diameter	273 mm	273 mm	273 mm
Rod thickness	6 mm	6 mm	6 mm
Power supply	230 V	230 V	230 V
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE
Impact resistance	20000 J	20000 J	20000 J
Break-in proof	250000 J	250000 J	250000 J
Manual cycle	Release key	Release key	Release key
Frequency of use	3000 Op/gg	3000 Op/gg	3000 Op/gg
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 316L stainless steel
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP67	IP67	IP67

Code	International code	Name		Description
P970093 00001	**2601346**	**PILLAR B 275/800.6C L**		230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. In the event of a power cut, the bollard lowers automatically. Painted stainless steel version, RAL 7015. Foundation box included. LED light cap.

Code	International code	Name		Description
P970093 00101	2605582	PILLAR B 275/800.6C L - RAL		230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. In the event of a power cut, the bollard lowers automatically. Painted steel version. RAL colour to order. Foundation box included LED light cap. Check colour availability and type of finish with your regular supplier.
P970093 00302	2600994	PILLAR B 275/800.6C LI STAINLESS STEEL 316		230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. In the event of a power cut, the bollard lowers automatically. Foundation box included. LED lights cap, AISI 316L stainless steel version.
P970093 00003	2601347	PILLAR B 275/800.6C L SD		Hydraulic bollard 230 V, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm approved. The shaft stays raised in case of a power failure. RAL 7015 painted steel version. LED light cap. Security & Device version.
P970093 00103	2605583	PILLAR B 275/800.6C L SD - RAL		230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, approved. The shaft remains in the raised position in case of a power failure. Painted steel version, RAL colour to order. Foundation box included. LED light cap. Security & Device version. Check colour availability and type of finish with your regular supplier.
P970093 00304	2605584	PILLAR B 275/800.6C LI SD STAINLESS STEEL 316		230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, certified. In the event of a power cut, the bollard remains raised. Foundation box included. LED light cap. Security & Device version. AISI 316L stainless steel version.

PERSEO CBE 230.P SD: Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)

Cp D113812 00002 - Ci 2600139 - PERSEO CBE 230.P SD - Recommended

- Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

RECOMMENDED ACCESSORIES

Cp P800102 - **Ci** 2605281
PILLAR ALARM

Magnetic anti-theft kit for PILLAR B hydraulic bollards. To be requested when ordering

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

Cp P800114 - **Ci** 2605291
BOLLARD CABLE EXT25

Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp D113705 - **Ci** 2607461
ACOUSTIC DETECTOR

Adjustable acoustic detector for sirens

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

Magnetic loop 2 x 1 m

Cp P800115 - **Ci** 2605292
BOLLARD CABLE EXT50

Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)

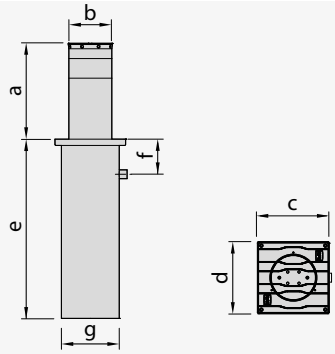
new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

STOPPY MBB

Retractable electromechanical bollard for safety and protection in all areas that require controlled access.
Available in shaft heights 500 and 700 mm. Ideal for locations of particular architectural interest, guaranteeing maximum reliability over time and requiring minimal maintenance.

DIMENSIONS (mm)



	a	b	c	d	e	f	g
STOPPY MBB 219-500.C	490	Ø219	360	360	915	180	Ø295
STOPPY MBB 219-700.C	700	Ø219	360	360	1165	180	Ø295

TECHNICAL FEATURES

	STOPPY MBB KIT 219/500.C 230 L C	STOPPY MBB KIT 219/500.C 230 L C - RAL	STOPPY MBB KIT 219/500.C 230 LI C
Rise time	7 s	7 s	7 s
Lowering time	7,3 s	7,3 s	7,3 s
Rod height	490 mm	490 mm	490 mm
Rod diameter	219 mm	219 mm	219 mm
Rod thickness	5 mm	5 mm	5 mm
Power supply	230 V	230 V	230 V
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE
Slowdown	Yes	Yes	Yes
Power consumption	300 W	300 W	300 W
Impact resistance	10500 J	10500 J	10500 J
Break-in proof	150000 J	150000 J	150000 J
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage
Frequency of use	very intensive	very intensive	very intensive
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 304 stainless steel
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP67	IP67	IP67

	STOPPY MBB KIT 219/700.C 230 L C	STOPPY MBB KIT 219/700.C 230 L C - RAL	STOPPY MBB KIT 219/700.C 230 LI C
Rise time	9,8 s	9,8 s	9,8 s
Lowering time	10,2 s	10,2 s	10,2 s
Rod height	700 mm	700 mm	700 mm
Rod diameter	219 mm	219 mm	219 mm
Rod thickness	5 mm	5 mm	5 mm
Power supply	230 V	230 V	230 V
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE
Slowdown	Yes	Yes	Yes
Power consumption	300 W	300 W	300 W
Impact resistance	10500 J	10500 J	10500 J
Break-in proof	150000 J	150000 J	150000 J
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage
Frequency of use	very intensive	very intensive	very intensive
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 304 stainless steel
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP67	IP67	IP67

Code	International code	Name		Description
R950008 00003	2600971	STOPPY MBB KIT 219/500.C 230 L C		Electromechanical bollard with foundation box, with shaft height 490 mm and diameter 219 mm. Impact resistance 10500 J. Painted stainless steel version, RAL 7015. Cap with integrated lights and buzzer.
R950008 00103	2605632	STOPPY MBB KIT 219/500.C 230 L C - RAL		Electromechanical bollard with foundation box, with shaft height 490 mm and diameter 219 mm. Impact resistance 10500 J. RAL colour as requested. Cap with integrated lights and buzzer. Check colour availability and type of finish with your regular supplier.
R950008 00004	2600970	STOPPY MBB KIT 219/500.C 230 LI C		Electromechanical bollard with foundation box, with shaft height 490 mm and diameter 219 mm. Impact resistance 10500 J. Cap with integrated lights and buzzer. AISI 304 stainless steel version.
R950009 00003	2601352	STOPPY MBB KIT 219/700.C 230 L C		Electromechanical bollard with foundation box, with shaft height 700 mm and diameter 219 mm. Impact resistance 10500 J. Painted stainless steel version, RAL 7015. Cap with integrated lights and buzzer.
R950009 00103	2605633	STOPPY MBB KIT 219/700.C 230 L C - RAL		Electromechanical bollard with foundation box, with shaft height 700 mm and diameter 219 mm. Impact resistance 10500 J. RAL colour as requested. Cap with integrated lights and buzzer. Check colour availability and type of finish with your regular supplier.
R950009 00004	2601353	STOPPY MBB KIT 219/700.C 230 LI C		Electromechanical bollard complete with form, with shaft height 700 mm and diameter 219 mm. Impact resistance 10500 J. Cap with incorporated lights and buzzer. AISI 304 stainless steel version.

PERSEO CBE 230.P SD: Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)

Cp D113812 00002 - Ci 2600139 - PERSEO CBE 230.P SD - Recommended

- Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

RECOMMENDED ACCESSORIES

Cp P975005 - **Ci** 2601390
BATT-EB

Backup battery kit to allow bollards to stay up in case of no power

Cp P800114 - **Ci** 2605291
BOLLARD CABLE EXT25

Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)

Cp D113705 - **Ci** 2607461
ACOUSTIC DETECTOR

Adjustable acoustic detector for sirens

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

Magnetic loop 2 x 1 m

Cp P800075 - **Ci** 2605275
STOPPY ALARM

Anti-theft kit: to be ordered separately, assembled during production

Cp P800115 - **Ci** 2605292
BOLLARD CABLE EXT50

Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

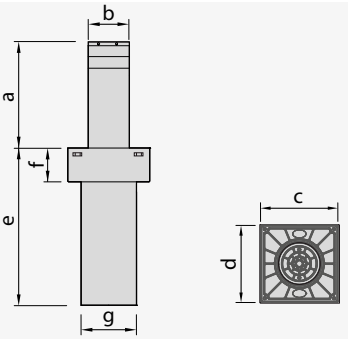
Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

STOPPY B

Retractable electromechanical bollard for safety and protection in all areas that require controlled access.
Available in shaft heights height 500 and 700 mm. Ideal for collective use.

DIMENSIONS (mm)



	a	b	c	d	e	f	g
STOPPY B 115-500	490	Ø114	250	300	965	115	Ø190
STOPPY B 200-700	700	Ø194	360	360	1180	115	Ø273

TECHNICAL FEATURES

	STOPPY B 115/500	STOPPY B 115/500 - RAL	STOPPY B 200/700	STOPPY B 200/700 - RAL
Rise time	6 s	6 s	9 s	9 s
Lowering time	6 s	6 s	9 s	9 s
Rod height	490 mm	490 mm	700 mm	700 mm
Rod diameter	114 mm	114 mm	194 mm	194 mm
Rod thickness	4 mm	4 mm	6 mm	6 mm
Power supply	230 V	230 V	230 V	230 V
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE	PERSEO CBE
Slowdown	Yes	Yes	Yes	Yes
Power consumption	300 W	300 W	300 W	300 W
Impact resistance	7000 J	7000 J	10000 J	10000 J
Break-in proof	60000 J	60000 J	110000 J	110000 J
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint
Environmental conditions	-20 ÷ 60 °C	-20 ÷ 60 °C	-20 ÷ 60 °C	-20 ÷ 60 °C
Protection rating	IP67	IP67	IP67	IP67

Code	International code	Name		Description
P970088 00001	**2613061**	**STOPPY B 115/500**		230 V electromechanical bollard with shaft diameter 114 mm and height 490 mm. Impact resistance 7000 J. Foundation box included. Colour RAL 7015. Slowdown in opening and closing.
P970088 00101	**2613164**	**STOPPY B 115/500 - RAL**		230 V electromechanical bollard with shaft diameter 114 mm and height 490 mm. Impact resistance 7000 J. Foundation box included. RAL colour as requested. Slowdown in opening and closing. Check colour availability and type of finish with your regular supplier.
P970089 00001	**2601350**	**STOPPY B 200/700**		230 V electromechanical bollard with shaft diameter 194 mm and height 700 mm. Impact resistance 10000 J. Foundation box included. Colour RAL 7015. Version with LED light cap. Slowdown in opening and closing.
P970089 00101	**2613165**	**STOPPY B 200/700 - RAL**		230 V electromechanical bollard with shaft diameter 194 mm and height 700 mm. Impact resistance 10000 J. Foundation box included. RAL colour to order. Version with LED light cap. Slowdown in opening and closing. Check colour availability and type of finish with your regular supplier.

PERSEO CBE 230.P SD: Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)

Cp D113812 00002 - Ci 2600139 - PERSEO CBE 230.P SD - Recommended

- Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

RECOMMENDED ACCESSORIES

Cp P975005 - **Ci** 2601390
BATT-EB

Backup battery kit to allow bollards to stay up in case of no power

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp P800115 - **Ci** 2605292
BOLLARD CABLE EXT50

Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)

Cp P800114 - **Ci** 2605291
BOLLARD CABLE EXT25

Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)

Cp D113705 - **Ci** 2607461
ACOUSTIC DETECTOR

Adjustable acoustic detector for sirens

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

Magnetic loop 2 x 1 m

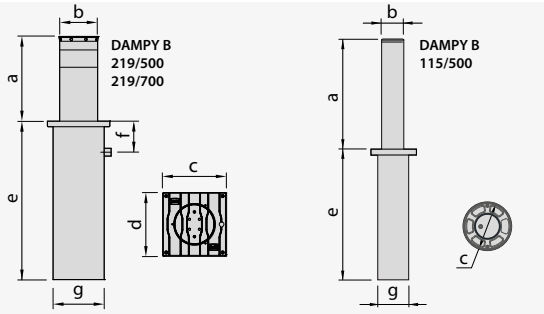
new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

DAMPY B

Semi-automatic bollard driven by gas spring for controlling road access points. Competitive and easy to use. Also available with stainless steel shaft and light cap.

DIMENSIONS (mm)



	a	b	c	d	e	f	g
DAMPY B 219/500	490	Ø219	360	360	915	180	Ø295
DAMPY B 219/700	700	Ø219	360	360	1165	180	Ø295
DAMPY B 115/500	500	Ø114	Ø219	/	593	/	Ø168

TECHNICAL FEATURES

	DAMPY B 115/500	DAMPY B 115/500 - RAL	DAMPY B 115/500 I	DAMPY B 219/500 L	DAMPY B 219/500 L - RAL
Rod height	500 mm	500 mm	500 mm	490 mm	490 mm
Rod diameter	114 mm	114 mm	114 mm	219 mm	219 mm
Rod thickness	4 mm	4 mm	4 mm	5 mm	5 mm
Rod movement	Internal gas spring	Internal gas spring	Internal gas spring	Internal gas spring	Internal gas spring
Impact resistance	5000 J	5000 J	5000 J	15000 J	15000 J
Break-in proof	30000 J	30000 J	30000 J	150000 J	150000 J
Rod locking	With triangle key	With triangle key	With triangle key	With triangle key	With triangle key
Rod treatment	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 304 stainless steel	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint

	DAMPY B 219/500 LI	DAMPY B 219/700 L	DAMPY B 219/700 L - RAL	DAMPY B 219/700 LI
Rod height	490 mm	700 mm	700 mm	700 mm
Rod diameter	219 mm	219 mm	219 mm	219 mm
Rod thickness	5 mm	5 mm	5 mm	5 mm
Rod movement	Internal gas spring	Internal gas spring	Internal gas spring	Internal gas spring
Impact resistance	15000 J	15000 J	15000 J	15000 J
Break-in proof	150000 J	150000 J	150000 J	150000 J
Rod locking	With triangle key	With triangle key	With triangle key	With triangle key
Rod treatment	AISI 304 stainless steel	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 304 stainless steel

Code	International code	Name		Description
P970083 00001	**2605561**	**DAMPY B 115/500**		Semi-automatic bollard with gas spring, with shaft diameter 114 mm and height 500 mm. Impact resistance 5000 J. Foundation box included. Painted stainless steel version, RAL 7015. Version without lights.
P970083 00101	**2605563**	**DAMPY B 115/500 - RAL**		Semi-automatic bollard with gas spring, with shaft diameter 114 mm and height 500 mm. Impact resistance 5000 J. Foundation box included. RAL colour as requested. Check colour availability and type of finish with your regular supplier.
P970083 00002	**2605562**	**DAMPY B 115/500 I**		Semi-automatic bollard with gas spring with shaft diameter 114 mm and height 500 mm. Impact resistance 5000 J. Stainless steel version. Foundation box included. 304 stainless steel version.
P970085 00001	**2605566**	**DAMPY B 219/500 L**		Semi-automatic bollard with gas spring with shaft diameter 219 mm and height 490 mm. Impact resistance 15000 J. RAL 7015 painted steel version with LED light cap. Foundation box included. Cap with lights.
P970085 00101	**2605568**	**DAMPY B 219/500 L - RAL**		Semi-automated bollard with gas spring, shaft diameter 219 mm and height 490 mm. Impact resistance 15000 J. Painted stainless steel version, RAL 7015, with LED lights in cap. Foundation box included. RAL colour as requested. Check colour availability and type of finish with your regular supplier.
P970085 00002	**2605567**	**DAMPY B 219/500 LI**		Semi-automatic bollard with gas spring with shaft diameter 219 mm and height 490 mm. Impact resistance 15000 J. Stainless steel version with LED light cap. Foundation box included. Cap with lights. 304 stainless steel version.
P970087 00001	**2605571**	**DAMPY B 219/700 L**		Semi-automatic bollard with gas spring with shaft diameter 219 mm and height 700 mm. Impact resistance 15000 J. RAL 7015 painted steel version with LED light cap. Foundation box included. Cap with lights.
P970087 00101	**2605573**	**DAMPY B 219/700 L - RAL**		Semi-automatic bollard with gas spring with shaft diameter 219 mm and height 700 mm. Impact resistance 15000 J. RAL 7015 painted steel version with LED light cap. Foundation box included. RAL colour as requested. Cap with lights. Check colour availability and type of finish with your regular supplier.
P970087 00002	**2605572**	**DAMPY B 219/700 LI**		Semi-automatic bollard with gas spring with shaft diameter 219 mm and height 700 mm. Impact resistance 15000 J. Stainless steel version with LED light cap. Foundation box included. Cap with lights. 304 stainless steel version.

RECOMMENDED ACCESSORIES

Cp P800104 - **Ci** 2607208
ALLU

Power supply for fixed bollards.

Cp 350690 - **Ci** 2604418
KEY-1 per SCUDO-GN/DAMPY B

SCUDO-GN/DAMPY B SPECIAL KEY KIT supplied separately.

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

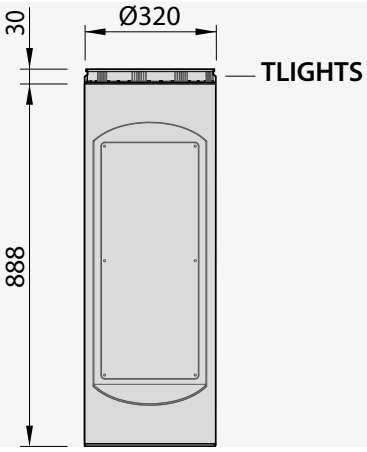
new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Totem

Road enclosure suitable for support and installation of control devices in urban areas for bollards or barriers, with relative accessories supplied with attachment on DIN rail.
Front panel can be inspected.

DIMENSIONS (mm)



TECHNICAL FEATURES

	TOTEM UNIT	TOTEM UNIT - RAL
Configuration	Single or stacked module	Single or stacked module
Treatment	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint
Protection rating	IP55	IP55

Code	International code	Name		Description
P800116	**2601356**	**TOTEM UNIT**		Stackable street cabinet that can be fitted with access control devices and traffic lights, to be combined with bollards and barriers. Inspectionable front panel. No top cap. Colour RAL 7015.
P800116 00102	**2605293**	**TOTEM UNIT - RAL**		Stackable street cabinet that can be fitted with access control devices and traffic lights, to be combined with bollards and barriers. Inspectionable front panel. No top cap. RAL colour to order. Check colour availability and type of finish with your regular supplier.
P800117	**2601354**	**TLIGHTS**		Top cover with lights. Colour RAL 7015
P800117 00102	**2613124**	**TLIGHTS - RAL**		Top cover with lights. RAL colour to order. Check colour availability and type of finish with your regular supplier.
P800108	**2601355**	**TCAP**		Top cover. Colour RAL 7015
P800108 00102	**2607221**	**TCAP - RAL**		Top cover. RAL colour to order. Check colour availability and type of finish with your regular supplier.

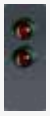
RECOMMENDED ACCESSORIES

Cp P800040 - **Ci** 2607207
TPF

Foundation and anchor plate for totem

new **Cp** P800174 - **Ci** 2451276
TRAFFIC LIGHT 2 LED 200MM

Two LED lights (red/green), high brightness racing-style traffic light system for controlling movements. With LED bulbs. Diameter 200mm.



Cp P800169 00002 - **Ci** 2613496
TOTEM TRAFFIC LIGHT PANEL 2L 7015

RAL 7015 traffic light panel for 2-light traffic light. Traffic light not included.

Cp P800168 00002 - **Ci** 2613495
TOTEM TRAFFIC LIGHT PANEL 3L 7015

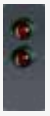
RAL 7015 traffic light panel for 3-light traffic light. Traffic light not included.

Cp 385251 - **Ci** 2604460
TRAFFIC LIGHT 2 LED 100MM

Traffic light with two LED lights (red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

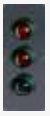
Cp 385256 - **Ci** 2604461
TRAFFIC LIGHT 3 LED 100MM

Traffic light with three LED lights (red - red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm



Cp D731559 - **Ci** 2605952
TOTEM PAN/SEM 2L RAL

Traffic light panel for 2-light traffic light. RAL colour to order. Traffic light not included.



Cp D731558 - **Ci** 2451282
TOTEM PAN/SEM 3L RAL

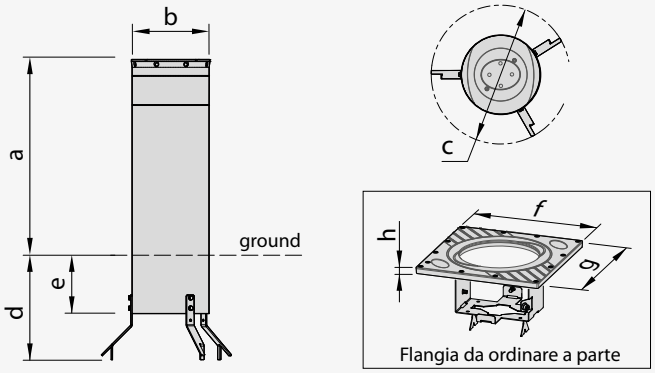
Traffic light panel for 3-light traffic light. RAL colour to order. Traffic light not included.

BUILDING ACCESS AUTOMATION

URBAN ACCESS AUTOMATION

Fixed bollard, diameter 273 mm, used for long-term access prevention. Can be combined with automatic or semi-automatic bollards.

DIMENSIONS (mm)



	a	b	c	d	e	f	g	h
RANCH C 275/600CN L	600	Ø273	Ø500	360	198	470	470	25
RANCH C 275/800CN L	800	Ø273	Ø500	360	198	470	470	25

TECHNICAL FEATURES

	RANCH C 275/600CN L	RANCH C 275/600CN L - RAL	RANCH C 275/600CN LI STAINLESS STEEL 316
Rod height	600 mm	600 mm	600 mm
Rod diameter	273 mm	273 mm	273 mm
Rod thickness	6 mm	6 mm	6 mm
Impact resistance	20000 J	20000 J	20000 J
Break-in proof	250000 J	250000 J	250000 J
Rod treatment	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 316L stainless steel

	RANCH C 275/800CN L	RANCH C 275/800CN L - RAL	RANCH C 275/800CN LI STAINLESS STEEL 316
Rod height	800 mm	800 mm	800 mm
Rod diameter	273 mm	273 mm	273 mm
Rod thickness	6 mm	6 mm	6 mm
Impact resistance	20000 J	20000 J	20000 J
Break-in proof	250000 J	250000 J	250000 J
Rod treatment	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 316L stainless steel

Code	International code	Name		Description
P970102 00002	**2605601**	**RANCH C 275/600CN L**		Fixed bollard used for preventing access for long periods. Height 600 mm and diameter 273 mm. Version with lights and shaft in RAL 7015 painted steel. Flange not included. High breakage resistance.
P970102 00102	**2613170**	**RANCH C 275/600CN L - RAL**		Fixed bollard used for preventing access for long periods. Height 600 mm and diameter 273 mm. Version with lights and shaft in RAL 7015 painted steel. Flange not included. High breakage resistance. Check colour availability and type of finish with your regular supplier.
P970102 00304	**2613171**	**RANCH C 275/600CN LI STAINLESS STEEL 316**		Fixed bollard used for long-term access prevention. Height 600 mm and diameter 273 mm. Version with lights and AISI 316L stainless steel shaft. Flange not included. High breakage resistance.
P970103 00002	**2605603**	**RANCH C 275/800CN L**		Fixed bollard used for preventing access for long periods. Height 800 mm and diameter 273 mm. Version with lights and shaft in RAL 7015 painted steel. Flange not included. High breakage resistance.
P970103 00102	**2613172**	**RANCH C 275/800CN L - RAL**		Fixed bollard used for preventing access for long periods. Height 800 mm and diameter 273 mm. Version with lights and shaft in RAL 7015 painted steel. Flange not included. High breakage resistance. Check colour availability and type of finish with your regular supplier.
P970103 00304	**2605605**	**RANCH C 275/800CN LI STAINLESS STEEL 316**		Fixed bollard used for long-term access prevention. Height 800 mm and diameter 273 mm. Version with lights and AISI 316L stainless steel shaft. Flange not included. High breakage resistance.

RECOMMENDED ACCESSORIES

Cp P800104 - **Ci** 2607208
ALLU

Power supply for fixed bollards.

Cp P800109 - **Ci** 2605287
FLANGE RANCH C

Flange for Ranch C

Cp Code
Ci International code

U-Link
New
Ph. Out Phase-out

EasyAxs: P. 282

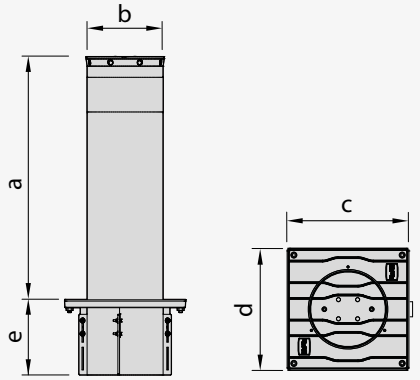
Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

RANCH B

Fixed bollard, diameter 219 mm, used for long-term access prevention. Can be combined with automatic or semi-automatic bollards.

DIMENSIONS (mm)



	a	b	c	d	e
RANCH B 219/500	490	Ø219	350	350	202
RANCH B 219/700	700	Ø219	350	350	242

TECHNICAL FEATURES

	RANCH B 219/500 L	RANCH B 219/500 L - RAL	RANCH B 219/500 LI
Rod height	490 mm	490 mm	490 mm
Rod diameter	219 mm	219 mm	219 mm
Rod thickness	5 mm	5 mm	5 mm
Impact resistance	15000 J	15000 J	15000 J
Break-in proof	150000 J	150000 J	150000 J
Rod treatment	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 304 stainless steel

	RANCH B 219/700 L	RANCH B 219/700 L - RAL	RANCH B 219/700 LI
Rod height	700 mm	700 mm	700 mm
Rod diameter	219 mm	219 mm	219 mm
Rod thickness	5 mm	5 mm	5 mm
Impact resistance	15000 J	15000 J	15000 J
Break-in proof	150000 J	150000 J	150000 J
Rod treatment	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 304 stainless steel

Code	International code	Name		Description
P970081 00002	**2605556**	**RANCH B 219/500 L**		Fixed bollard used for long-term access prevention. Height 490 mm and diameter 219 mm. Flange included. Version with lights and painted steel shaft, RAL 7015.
P970081 00102	**2613161**	**RANCH B 219/500 L - RAL**		Fixed bollard used for long-term access prevention. Height 490 mm and diameter 219 mm. Flange included. Version with lights and painted steel shaft. RAL colour to order. Check colour availability and type of finish with your regular supplier.
P970081 00004	**2613160**	**RANCH B 219/500 LI**		Fixed bollard used for long-term access prevention. Height 490 mm and diameter 219 mm. Flange included. Version with lights and AISI 304 stainless steel shaft.
P970082 00002	**2605558**	**RANCH B 219/700 L**		Fixed bollard used for long-term access prevention. Height 700 mm and diameter 219 mm. Flange included. Version with lights and painted steel shaft, RAL 7015.
P970082 00102	**2613162**	**RANCH B 219/700 L - RAL**		Fixed bollard used for long-term access prevention. Height 700 mm and diameter 219 mm. Flange included. Version with lights and painted steel shaft. RAL colour to order. Check colour availability and type of finish with your regular supplier.
P970082 00004	**2605559**	**RANCH B 219/700 LI**		Fixed bollard used for long-term access prevention. Height 700 mm and diameter 219 mm. Flange included. Version with lights and AISI 304 stainless steel shaft.

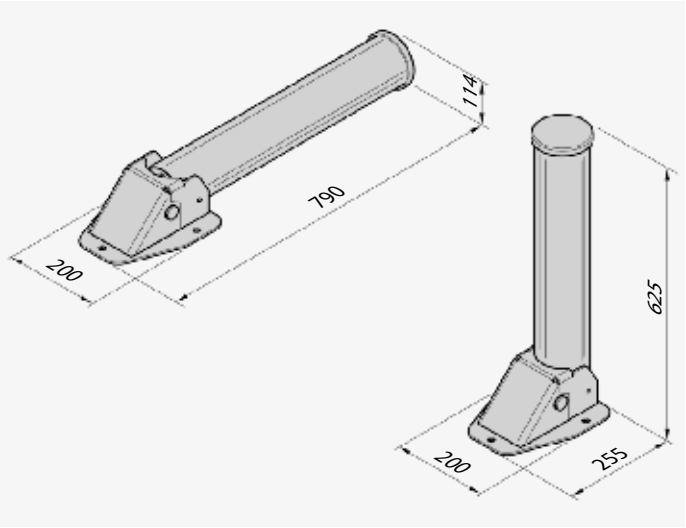
RECOMMENDED ACCESSORIES

Cp P800104 - **Ci** 2607208
ALLU

Power supply for fixed bollards.

Tilting manual bollard for parking space saver application.

DIMENSIONS (mm)



TECHNICAL FEATURES

	RANCH R Ø115-625 DISS. RIBALT.
Rod height	625 mm
Rod diameter	114 mm
Rod thickness	5 mm
Rod treatment	RAL 7015 cataphoresis coating and paint

Code	International code	Name		Description
P970101	**2601349**	**RANCH R Ø115-625 DISS. RIBALT.**		Manual fold down bollard with shaft diameter 114 mm and height 625 mm.

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
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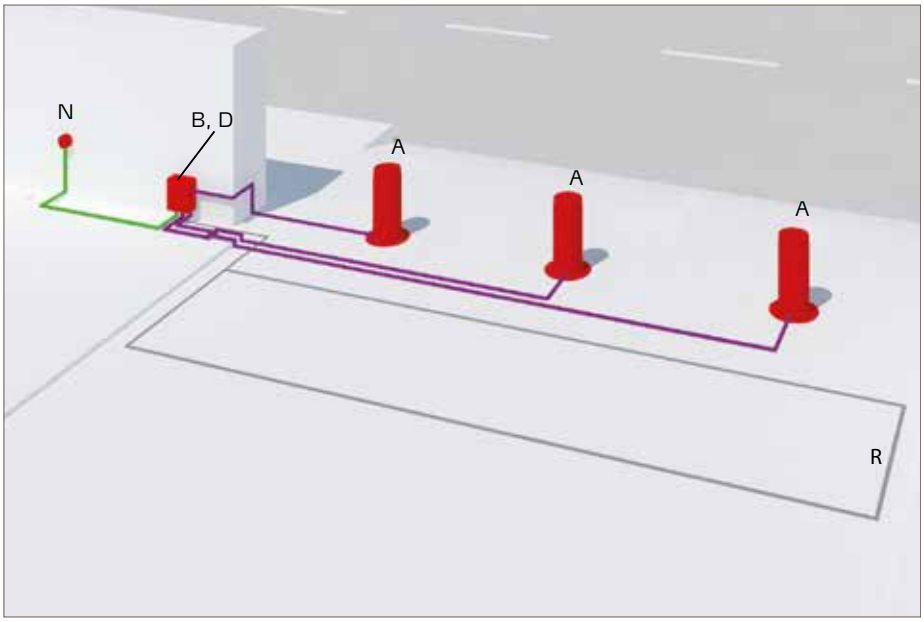
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

Anti-Terrorism bollards

Guide to choosing

Rod height	Rod diameter	Break-in proof	Kit	Model	Plus
automatic hydraulic bollards					
800 mm	273 mm	667000 J	-	PILLAR B 275/800.10C L	LED light cap.
			-	PILLAR B 275/800.10C L - RAL	LED light cap.
			-	PILLAR B 275/800.10C LI STAINLESS STEEL 316	LED light cap. AISI 304 stainless steel version.
			-	PILLAR B 275/800.10C L SD	LED light cap. Security & Device version.
			-	PILLAR B 275/800.10C L SD - RAL	LED light cap. Security & Device version.
			-	PILLAR B 275/800.10C LI SD STAINLESS STEEL 316	LED light cap. Security & Device version. AISI 316L stainless steel version.
		800000 J (twin installation) J	-	XPASS B 275/800C L	Anti-terrorism certification IWA14-1:2013 and PAS 68.
			-	XPASS B 275/800C L - RAL	Anti-terrorism certification IWA14-1:2013 and PAS 68.
			-	XPASS B 275/800C L SD	Security & Device version. Anti-terrorism certification IWA14-1:2013 and PAS 68.
			-	XPASS B 275/800C L SD-RAL	Security & Device version. Anti-terrorism certification IWA14-1:2013 and PAS 68.
			-	XPASS B 275/800C LI STAINLESS STEEL 316	Anti-terrorism certification IWA14-1:2013 and PAS 68. AISI 316L stainless steel shaft.
			-	XPASS B 275/800C LI STAINLESS STEEL 316 SD	Security & Device version. Anti-terrorism certification IWA14-1:2013 and PAS 68. AISI 316L stainless steel shaft.
			-	XPASS B 275/800 L SD EFO	EFO version (Emergency Fast Operation). Anti-terrorism certification IWA14-1:2013 and PAS 68.
1200 mm	330 mm	2100000 J	-	XPASS B 330/1200 BODY L	Maximum breakage resistance. Anti-terrorism certification IWA14-1:2013 and PAS 68.
			-	XPASS B 330/1200 BODY L-RAL	Maximum breakage resistance. Anti-terrorism certification IWA14-1:2013 and PAS 68.
			-	XPASS B 330/1200 BODY LI STAINLESS STEEL 316	Maximum breakage resistance. Anti-terrorism certification IWA14-1:2013 and PAS 68. AISI 316L stainless steel shaft.
Fixed bollards					
800 mm	273 mm	800000 J	-	RANCH D 275/800CN L	Simulation as per standard IWA14-1:2013.
			-	RANCH D 275/800CN L - RAL	Simulation as per standard IWA14-1:2013.
1200 mm	330 mm	-	-	RANCH E 330/1200C L RAL 7015 FIXED BOLLARD	Cap with lights. Simulation as per standard IWA14-1:2013.
			-	RANCH E 330/1200C L RAL FIXED BOLLARD	Cap with lights. Simulation as per standard IWA14-1:2013.
			-	RANCH E 330/1200C LI STAINLESS STEEL 316	Cap with lights and AISI 316L stainless steel version. Simulation as per standard IWA14-1:2013.

Installation guide

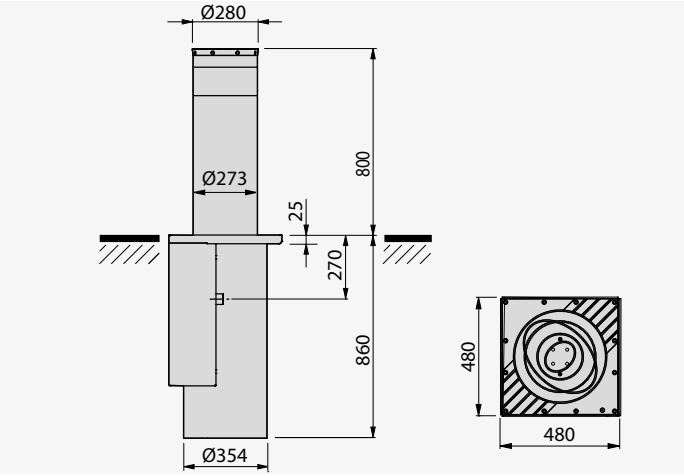


A	Bollard
B	Control unit
D	Receiver
N	Junction box
R	Magnetic loop detector
	2x1.5
	3x1.5
	RG 58
	2x1
	13x1

PILLAR B 275/800.10C

High strength automatic hydraulic bollard with built-in hydraulic control unit, tested and certified by an independent organisation in accordance with PAS68:2010 with 7500/50/N2 rating that includes ASTM F2656:2007 M30 (dynamic simulation). SD version which keeps the bollard raised in the event of a loss of power (protection of sensitive sites). Standard version where the bollard instantly drops in the event of a loss of power.

DIMENSIONS (mm)



TECHNICAL FEATURES

	PILLAR B 275/800.10C L	PILLAR B 275/800.10C L - RAL	PILLAR B 275/800.10C LI STAINLESS STEEL 316
Raise time	6,8 s	6,8 s	6,8 s
Lower time	4,1 s	4,1 s	4,1 s
Rod height	800 mm	800 mm	800 mm
Rod diameter	273 mm	273 mm	273 mm
Rod thickness	10 mm	10 mm	10 mm
Power supply	230 V	230 V	230 V
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE
Impact resistance	40000 J	40000 J	40000 J
Break-in proof	667000 J	667000 J	667000 J
Antiterrorism: reference standard	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage
Frequency of use	3000 Op/gg	3000 Op/gg	3000 Op/gg
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 316L stainless steel
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP67	IP67	IP67

	PILLAR B 275/800.10C L SD	PILLAR B 275/800.10C L SD - RAL	PILLAR B 275/800.10C LI SD STAINLESS STEEL 316
Raise time	6,8 s	6,8 s	6,8 s
Lower time	4,1 s	4,1 s	4,1 s
Rod height	800 mm	800 mm	800 mm
Rod diameter	273 mm	273 mm	273 mm
Rod thickness	10 mm	10 mm	10 mm
Power supply	230 V	230 V	230 V
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE
Impact resistance	40000 J	20000 J	20000 J
Break-in proof	667000 J	667000 J	667000 J
Antiterrorism: reference standard	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2
Manual cycle	Release key	Release key	Release key
Frequency of use	3000 Op/gg	3000 Op/gg	3000 Op/gg
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 316L stainless steel
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP67	IP67	IP67

Code	International code	Name		Description
P970106 00001	2601342	PILLAR B 275/800.10C L		230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. In the event of a power cut, the bollard lowers automatically. Painted stainless steel version, RAL 7015. Foundation box included. LED light cap.
P970106 00101	2605615	PILLAR B 275/800.10C L - RAL		230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. In the event of a power cut, the bollard lowers automatically. Painted steel version. RAL colour to order. Foundation box included LED light cap. Check colour availability and type of finish with your regular supplier.
P970106 00302	2601344	PILLAR B 275/800.10C LI STAINLESS STEEL 316		230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. In the event of a power cut, the bollard lowers automatically. Foundation box included. LED light cap. AISI 304 stainless steel version.
P970106 00003	2601343	PILLAR B 275/800.10C L SD		Hydraulic bollard 230 V, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm approved. The shaft stays raised in case of a power failure. RAL 7015 painted steel version. LED light cap. Security & Device version.
P970106 00103	2613173	PILLAR B 275/800.10C L SD - RAL		230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, approved. The shaft remains in the raised position in case of a power failure. Painted steel version, RAL colour to order. Foundation box included. LED light cap. Security & Device version. Check colour availability and type of finish with your regular supplier.
P970106 00304	2612951	PILLAR B 275/800.10C LI SD STAINLESS STEEL 316		230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. LED light cap and adhesive H strip: 100 mm, approved. In the event of a power cut, the bollard remains raised. 304 stainless steel version. Foundation box included. LED light cap. Security & Device version. AISI 316L stainless steel version.

PERSEO CBE 230.P SD: Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)

Cp D113812 00002 - **Ci** 2600139 - **PERSEO CBE 230.P SD - Recommended**

- Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

RECOMMENDED ACCESSORIES

Cp P800102 - **Ci** 2605281
PILLAR ALARM
Magnetic anti-theft kit for PILLAR B hydraulic bollards. To be requested when ordering

Cp D113705 - **Ci** 2607461
ACOUSTIC DETECTOR
Adjustable acoustic detector for sirens

Cp P111001 00003 - **Ci** 2611209
RME 2
230 V dual channel metal object detector with installation base

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1
Magnetic loop 2 x 1 m

Cp P800114 - **Ci** 2605291
BOLLARD CABLE EXT25
Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)

Cp P800115 - **Ci** 2605292
BOLLARD CABLE EXT50
Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2
2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4
4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp D121619 - **Ci** 2607571
SPC3
Open stop close button panel.

Cp P800111 - **Ci** 2605289
MANUAL PUMP 2LT
2 litre manual pump

Cp P800112 - **Ci** 2605290
TAP FOR MANUAL PUMP
Joint for two-litre manual pump.

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V
Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp Code
Ci International code

U-Link
new New
Ph Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
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software P. 284
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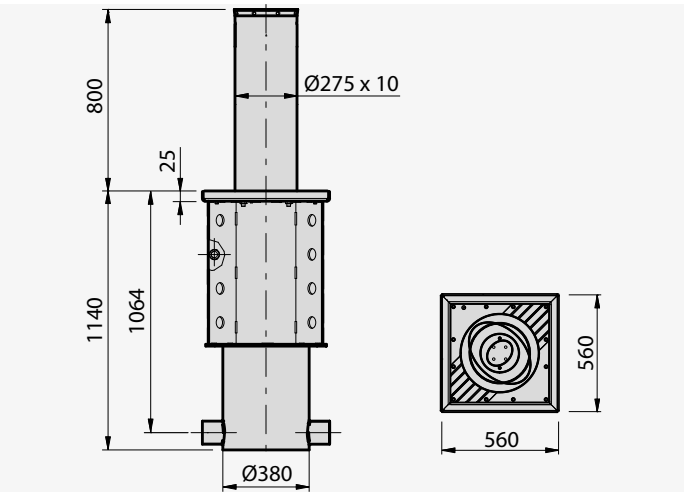
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

XPASS B 275/800

Automatic hydraulic anti-terrorism bollard, suitable for protection of sensitive sites, tested and certified (crash-tested) according to the IWA14-1:2013 standard with V/7200 [N2A]/48 rating, equivalent to PAS68:2013 with V/7500 [N2]/48, ASTM2656:2007 M30 rating. Double installation. Independent hydraulic control unit for each bollard: if one control unit breaks, the other bollards will continue to function whilst maintenance work is facilitated.

DIMENSIONS (mm)



TECHNICAL FEATURES

	XPASS B 275/800C L	XPASS B 275/800C L - RAL	XPASS B 275/800C L SD
Raise time	7 s	7 s	7 s
Lower time	4 s	4 s	4 s
Rod height	800 mm	800 mm	800 mm
Rod diameter	273 mm	273 mm	273 mm
Rod thickness	10 mm	10 mm	10 mm
Power supply	230 V	230 V	230 V
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE
Impact resistance	250000 J (twin installation) J	250000 J (twin installation) J	250000 J (twin installation) J
Break-in proof	800000 J (twin installation) J	800000 J (twin installation) J	800000 J (twin installation) J
Antiterrorism: reference standard	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible by means of mechanical key with no power
Frequency of use	2000 Op/gg	2000 Op/gg	2000 Op/gg
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	RAL7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	RAL7015 cataphoresis coating and paint
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP67	IP67	IP67

	XPASS B 275/800C L SD-RAL	XPASS B 275/800C LI STAINLESS STEEL 316	XPASS B 275/800C LI STAINLESS STEEL 316 SD
Raise time	7 s	7 s	7 s
Lower time	4 s	4 s	4 s
Rod height	800 mm	800 mm	800 mm
Rod diameter	273 mm	273 mm	273 mm
Rod thickness	10 mm	10 mm	10 mm
Power supply	230 V	230 V	230 V
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE
Impact resistance	250000 J (twin installation) J	250000 J (twin installation) J	250000 J (twin installation) J
Break-in proof	800000 J (twin installation) J	800000 J (twin installation) J	800000 J (twin installation) J
Antiterrorism: reference standard	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2
Manual cycle	reversible by means of mechanical key with no power	reversible in the absence of voltage	reversible by means of mechanical key with no power
Frequency of use	2000 Op/gg	2000 Op/gg	2000 Op/gg
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	Special RAL cataphoresis coating and paint	AISI 316L stainless steel	AISI 316L stainless steel
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP67	IP67	IP67

Code	International code	Name		Description
P970094 00001	2605587	XPASS B 275/800C L		Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, diameter 273 mm, with LED lights cap. In the event of a power failure, the shaft lowers automatically. Painted steel shaft, RAL 7015. Foundation box included. Anti-terrorism certification IWA14-1:2013 and PAS 68.
P970094 00101	2614422	XPASS B 275/800C L - RAL		Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, diameter 273 mm, with LED lights cap. In the event of a power failure, the shaft lowers automatically. Painted steel version. RAL colour to order. Foundation box included. Anti-terrorism certification IWA14-1:2013 and PAS 68. Check colour availability and type of finish with your regular supplier.
P970094 00003	2605589	XPASS B 275/800C L SD		Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, diameter 273 mm, with LED lights cap. In the event of a power failure, the shaft keeps the access closed. Painted steel shaft, RAL 7015. Foundation box included. Security & Device version. Anti-terrorism certification IWA14-1:2013 and PAS 68.
P970094 00103	2605594	XPASS B 275/800C L SD-RAL		Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, diameter 273 mm, with LED lights cap. In the event of a power failure, the shaft keeps the access closed. Painted steel version. RAL colour to order. Foundation box included. Security & Device version. Anti-terrorism certification IWA14-1:2013 and PAS 68. Check colour availability and type of finish with your regular supplier.
P970094 00302	2612948	XPASS B 275/800C LI STAINLESS STEEL 316		Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, diameter 273 mm, with LED lights cap. In the event of a power failure, the shaft lowers automatically. Foundation box included. Anti-terrorism certification IWA14-1:2013 and PAS 68. AISI 316L stainless steel shaft.
P970094 00304	2612949	XPASS B 275/800C LI STAINLESS STEEL 316 SD		Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, diameter 273 mm, with LED lights cap. In the event of a power failure, the shaft keeps the access closed. Foundation box included. Security & Device version. Anti-terrorism certification IWA14-1:2013 and PAS 68. AISI 316L stainless steel shaft.

PERSEO CBE 230.P SD: Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)

Cp D113812 00002 - **Ci** 2600139 - **PERSEO CBE 230.P SD - Recommended**

- Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

RECOMMENDED ACCESSORIES

Cp P800103 - **Ci** 2605282
XPASS 800 ALARM - Price available on request

Anti-vandalism alarm for XPASS 275/800

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp D121619 - **Ci** 2607571
SPC3

Open stop close button panel.

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

Magnetic loop 2 x 1 m

Cp D113705 - **Ci** 2607461
ACOUSTIC DETECTOR

Adjustable acoustic detector for sirens

Cp P800114 - **Ci** 2605291
BOLLARD CABLE EXT25

Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)

Cp P800115 - **Ci** 2605292
BOLLARD CABLE EXT50

Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

XPASS B 275/800 EFO

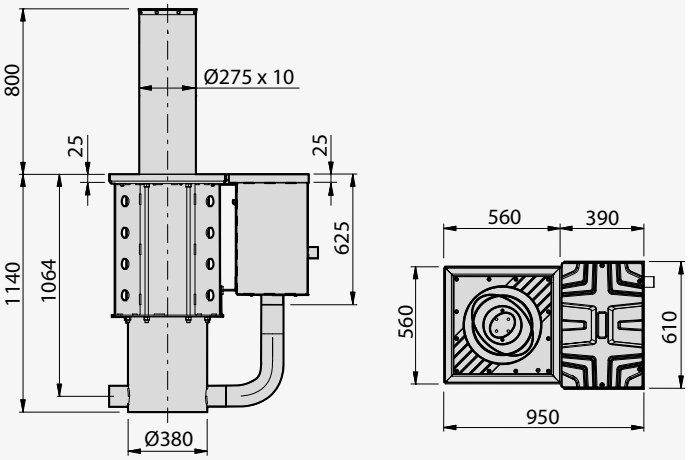
URBAN ACCESS AUTOMATION

BUILDING ACCESS AUTOMATION

EFO

Automatic hydraulic anti-terrorism bollard, suitable for protection of sensitive sites, tested and certified (crash-tested) according to the IWA14-1:2013 standard with V/7200 [N2A]/48 rating, equivalent to PAS68:2013 with V/7500 [N2]/48, ASTM2656:2007 M30 rating. Double installation. Emergency Fast Operation (EFO) system for rapid closing of the access in emergency situations. Independent hydraulic control unit for each bollard: if one control unit breaks, the other bollards will continue to function whilst maintenance work is facilitated.

DIMENSIONS (mm)



TECHNICAL FEATURES

	XPASS B 275/800 L SD EFO
Raise time	7,0 secs (1,5 secs with HYDR UNIT + EFO)
Lower time	4 s
Rod height	800 mm
Rod diameter	273 mm
Rod thickness	10 mm
Power supply	230 V
Control unit	PERSEO CBE
Impact resistance	250000 J (twin installation) J
Break-in proof	800000 J (twin installation) J
Antiterrorism: reference standard	PAS 68:2010 7500/50/N2
Manual cycle	reversible in the absence of voltage
Frequency of use	2000 Op/gg
Type of limit switch	REED magnetic sensor
Rod treatment	RAL 7015 cataphoresis coating and paint
Environmental conditions	-40 ÷ 60 °C
Protection rating	IP67

Code	International code	Name		Description
P970307 00002	**2605627**	**XPASS B 275/800 L SD EFO**		Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, 273 mm diameter with LED light cap, for use with control unit with EFO device for rapid emergency rising. In the event of a power failure, the shaft lowers automatically. Painted steel shaft, RAL 7015. Foundation box included. EFO version (Emergency Fast Operation). Anti-terrorism certification IWA14-1:2013 and PAS 68.
P970306 00002	**2605625**	**XPASS B 275/800 EFO HYDRAULIC UNIT**		Hydraulic control unit for XPASS B 275/800 L SD EFO with EFO (Emergency Fast Operation) device for rapid emergency rising.

PERSEO CBE 230.P SD: Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)

Cp D113812 00002 - Ci 2600139 - PERSEO CBE 230.P SD - Recommended

- Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

RECOMMENDED ACCESSORIES

Cp P800103 - **Ci** 2605282
XPASS 800 ALARM - Price available on request

Anti-vandalism alarm for XPASS 275/800

Cp P800111 - **Ci** 2605289
MANUAL PUMP 2LT

2 litre manual pump

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V

Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

Cp D113705 - **Ci** 2607461
ACOUSTIC DETECTOR

Adjustable acoustic detector for sirens

Cp P800115 - **Ci** 2605292
BOLLARD CABLE EXT50

Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P800113 - **Ci** 2613123
BAT KIT EFO

Reflector and support for wall mounting and mounting on CC post for CELLULA RFL

Cp P800112 - **Ci** 2605290
TAP FOR MANUAL PUMP

Joint for two-litre manual pump.

Cp D121619 - **Ci** 2607571
SPC3

Open stop close button panel.

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

Magnetic loop 2 x 1 m

Cp P800114 - **Ci** 2605291
BOLLARD CABLE EXT25

Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

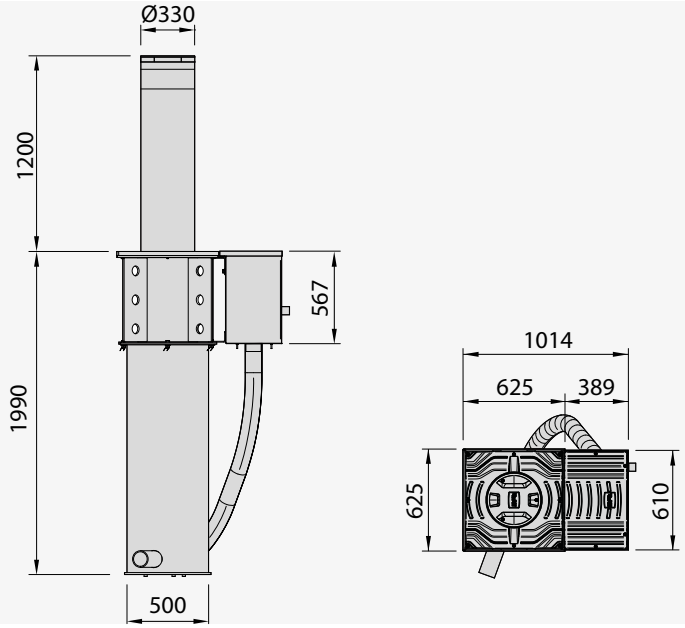
Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

XPASS B 330/1200

Automatic hydraulic anti-terrorism bollard, tested and certified (crash-tested) according to the IWA14-1:2013 standard with V/7200[N3C]/80 rating, equivalent to PAS68:2010 7500/80/N3 and ASTM2656:2007 M50, suitable for protection of sensitive sites. Also available in EFO version (Emergency Fast Operation) for rapid closing of the access in emergency situations. Independent hydraulic control unit for each bollard: if one control unit breaks, the other bollards will continue to function whilst maintenance work is facilitated.

DIMENSIONS (mm)



TECHNICAL FEATURES

	XPASS B 330/1200 BODY L	XPASS B 330/1200 BODY L-RAL	XPASS B 330/1200 BODY LI STAINLESS STEEL 316
Raise time	6,3 secs (2,0 secs with HYDR UNIT + EFO)	6,3 secs (2,0 secs with HYDR UNIT + EFO)	6,3 secs (2,0 secs with HYDR UNIT + EFO)
Lower time	4 s	4 s	4 s
Rod height	1200 mm	1200 mm	1200 mm
Rod diameter	330 mm	330 mm	330 mm
Rod thickness	25 mm	25 mm	25 mm
Power supply	230 V	230 V	230 V
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE
Impact resistance	350000 J	350000 J	350000 J
Break-in proof	2100000 J	2100000 J	2100000 J
Antiterrorism: reference standard	IWA14-1:2013 V/7200[N3C]/80/90 single bollard installation	IWA14-1:2013 V/7200[N3C]/80/90 single bollard installation	IWA14-1:2013 V/7200[N3C]/80/90 single bollard installation
Manual cycle	reversible by means of mechanical key with no power	reversible by means of mechanical key with no power	reversible by means of mechanical key with no power
Frequency of use	2000 Op/gg	2000 Op/gg	2000 Op/gg
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 316L stainless steel
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP67	IP67	IP67

Code	International code	Name		Description
P970105 00001	2605611	XPASS B 330/1200 BODY L		Anti-terrorism hydraulic bollard K12. Shaft height 1200 mm, diameter 330 mm and cap with LED lights. In case of a power outage the shaft does not lower spontaneously. RAL 7015 painted steel version. Hydraulic power unit not included, foundation box included. Maximum breakage resistance. Anti-terrorism certification IWA14-1:2013 and PAS 68.
P970105 00101	2605613	XPASS B 330/1200 BODY L-RAL		Hydraulic anti-terrorism bollard K12. Shaft height 1200 mm, diameter 330 mm, with LED lights cap. In the event of a power failure, the shaft does not lower automatically. Painted steel version. Hydraulic control unit not included. RAL colour to order. Maximum breakage resistance. Anti-terrorism certification IWA14-1:2013 and PAS 68. Check colour availability and type of finish with your regular supplier.
P970105 00302	2614046	XPASS B 330/1200 BODY LI STAINLESS STEEL 316		Hydraulic anti-terrorism bollard K12. Shaft height 1200 mm, diameter 330 mm and LED light cap. In the event of a power failure, the shaft does not drop spontaneously. Hydraulic control unit not included, foundation box included. Maximum breakage resistance. Anti-terrorism certification IWA14-1:2013 and PAS 68. AISI 316L stainless steel shaft.
D113828	2607522	XPASS B 330/1200 HYDR. UNIT		Hydraulic control unit for XPASS B 330/1200 BODY L/LI.
D114095	2613258	XPASS B 330/1200 HYDR. UNIT 60Hz		Hydraulic control unit for XPASS B 330/1200 BODY L/LI 60 Hz.
D113829	2607523	XPASS B 330/1200 HYDR. UNIT + EFO		Hydraulic unit for XPASS B 330/1200 BODY L / LI with EFO device for rapid emergency rising. EFO version (Emergency Fast Operation).
D114096	2613259	XPASS B 330/1200 HYDR. UNIT + EFO 60Hz		Hydraulic control unit for XPASS B 330/1200 BODY L/LI with EFO device for rapid emergency rising, 60 Hz.

PERSEO CBE 230.P SD: Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)

Cp D113812 00002 - Ci 2600139 - PERSEO CBE 230.P SD - Recommended

- Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

RECOMMENDED ACCESSORIES

Cp P800113 - **Ci** 2613123
BAT KIT EFO
Reflector and support for wall mounting and mounting on CC post for CELLULA RFL

Cp P800112 - **Ci** 2605290
TAP FOR MANUAL PUMP
Joint for two-litre manual pump.

Cp D121619 - **Ci** 2607571
SPC3
Open stop close button panel.

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1
Magnetic loop 2 x 1 m

Cp P800114 - **Ci** 2605291
BOLLARD CABLE EXT25
Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2
2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp P800111 - **Ci** 2605289
MANUAL PUMP 2LT
2 litre manual pump

Cp P111786 - **Ci** 2605171
LOOP DETECTOR PRO 230V
Metal object detector, 2 channels, 230VAC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management

Cp P111001 00003 - **Ci** 2611209
RME 2
230 V dual channel metal object detector with installation base

Cp D113705 - **Ci** 2607461
ACOUSTIC DETECTOR
Adjustable acoustic detector for sirens

Cp P800115 - **Ci** 2605292
BOLLARD CABLE EXT50
Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4
4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
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activation sensors automatic doors and security P. 287
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safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
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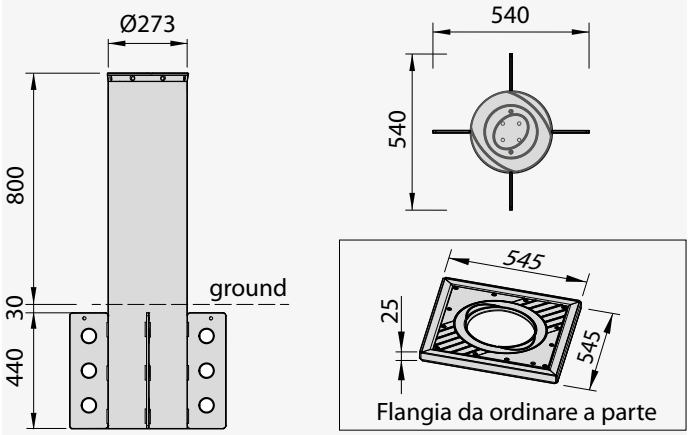
solenoid locks P. 291
release systems P. 292

RANCH D

Fixed tall security bollard suitable for protection of sensitive sites. Reference standard PAS68:2010 7500/50/N2, ASTM2656:2007 M30. High-strength structure based on the design of the automatic version XPASS B 275/800.

DIMENSIONS (mm)



TECHNICAL FEATURES

	RANCH D 275/800CN L	RANCH D 275/800CN L - RAL
Rod height	800 mm	800 mm
Rod diameter	273 mm	273 mm
Rod thickness	10 mm	10 mm
Impact resistance	250000 J	250000 J
Break-in proof	800000 J	800000 J
Antiterrorism: reference standard	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2
Rod treatment	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint

Code	International code	Name		Description
P970104 00002	**2605607**	**RANCH D 275/800CN L**		Fixed anti-terrorism bollard, shaft height 800 mm and diameter 273 mm. Painted shaft version, RAL 7015. Flange not included. Cap with lights. High ramming resistance. Simulation as per standard IWA14-1:2013.
P970104 00102	**2605610**	**RANCH D 275/800CN L - RAL**		Fixed anti-terrorism bollard, shaft height 800 mm and diameter 273 mm. Version with painted steel shaft, RAL colour to order. Flange not included. Cap with lights. High ramming resistance. Simulation as per standard IWA14-1:2013. Check colour availability and type of finish with your regular supplier.

RECOMMENDED ACCESSORIES

Cp P800104 - **Ci** 2607208
ALLU

Power supply for fixed bollards.

Cp P800110 - **Ci** 2605288
FLANGE RANCH D

Flange for Ranch D

Cp P970303 10300 - **Ci** 2613175
RANCH D STAINLESS STEEL COATING

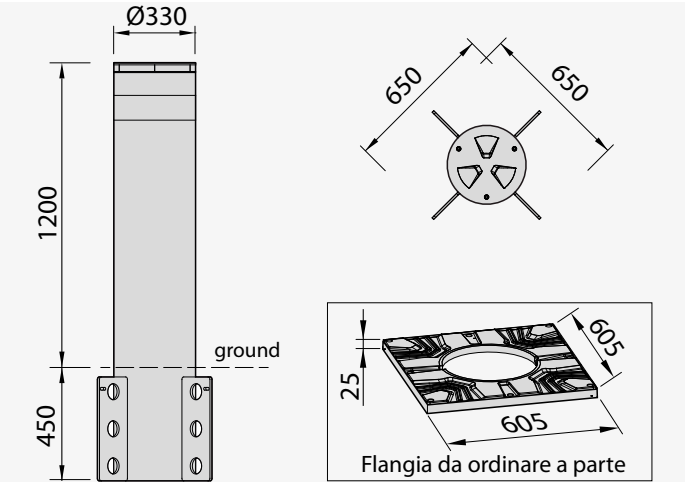
AISI 316 stainless steel cover for RANCH D fixed bollard.

BUILDING ACCESS AUTOMATION

URBAN ACCESS AUTOMATION

Fixed tall security bollard suitable for protection of sensitive sites. Referencestandards IWA-14-1:2013 and PAS68:2010 with 7500/80/N3C rating, which includes ASTM2656:2007 M50. Double installation. High-strength structure based on the design of the automatic version XPASS B 330/1200.

DIMENSIONS (mm)



TECHNICAL FEATURES

	RANCH E 330/1200C L RAL 7015 FIXED BOLLARD	RANCH E 330/1200C L RAL FIXED BOLLARD	RANCH E 330/1200C LI STAINLESS STEEL 316
Rod height	1200 mm	1200 mm	1200 mm
Rod diameter	330 mm	330 mm	330 mm
Rod thickness	14 mm	14 mm	14 mm
Impact resistance	350000 J (twin installation)	350000 J (twin installation)	350000 J (twin installation)
Break-in proof	2100000 J (twin installation)	2100000 J (twin installation)	2100000 J (twin installation)
Antiterrorism: reference standard	IWA14-1:2013 7500/80/N3C	IWA14-1:2013 7500/80/N3C	IWA14-1:2013 7500/80/N3C
Rod treatment	RAL 7015 cataphoresis coating and paint	Special RAL cataphoresis coating and paint	AISI 316L stainless steel

Code	International code	Name		Description
P970269 00103	**2612952**	**RANCH E 330/1200C L RAL 7015 FIXED BOLLARD**		Fixed anti-terrorism bollard, with shaft height 1200 mm and diameter 330 mm. Version with cap without lights and RAL 7015 painted steel shaft. Flange not included Cap with lights. Simulation as per standard IWA14-1:2013.
P970269 20103	**2605619**	**RANCH E 330/1200C L RAL FIXED BOLLARD**		Fixed anti-terrorism bollard, with shaft height 1200 mm and diameter 330 mm. Version with painted stainless steel shaft. Flange not included. RAL colour as requested. Cap with lights. Simulation as per standard IWA14-1:2013. Check colour availability and type of finish with your regular supplier.
P970269 00303	**2612954**	**RANCH E 330/1200C LI STAINLESS STEEL 316**		Fixed anti-terrorism bollard, with shaft height 1200 mm and diameter 330 mm. Version with AISI 316L stainless steel shaft. Flange not included. Cap with lights and AISI 316L stainless steel version. Simulation as per standard IWA14-1:2013.

RECOMMENDED ACCESSORIES

Cp P800119 - **Ci** 2605296
FLANGE RANCH E

Flange for Ranch E

Cp P975069 - **Ci** 2607224
ALLU K12

Power supply for fixed Ranch E bollards

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
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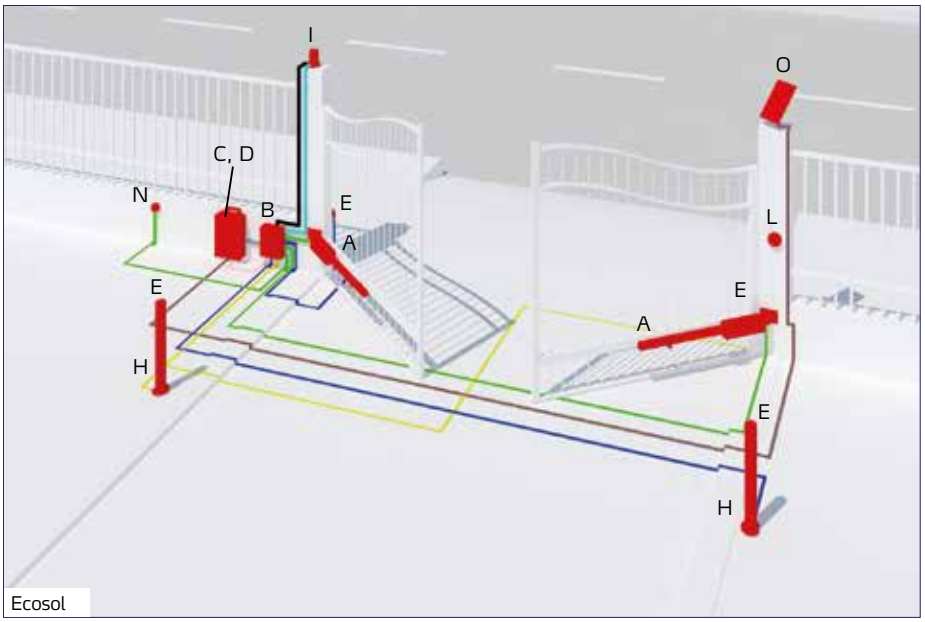
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

Solar power supply system

Installation guide



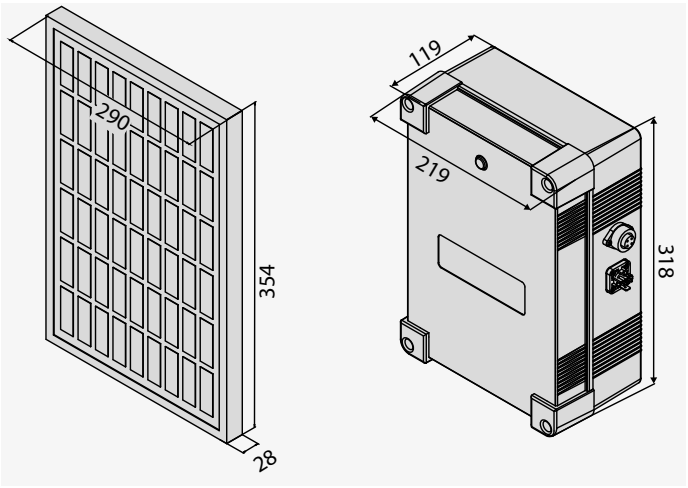
Ecosol

A	Operator
B	Control unit
C	Backup Batteries
D	Receiver
E	Photocell
H	Post
I	Blinker
L	Control system (key selector switch, keypad, badge reader)
N	Junction box
O	Solar panel
	2x1.5
	2x0.75
	3x1.5
	RG 58
	5x1
	2x1

ECOSOL

Ecosol is a complete solar powered system for low-voltage installations. Ideal for doors and gates that are not easily reached from the power mains, it adapts to any context thanks to compatibility with all 24V systems, both old and new.

DIMENSIONS (mm)



TECHNICAL FEATURES

	ECOSOL BOX	ECOSOL BOX NO BATTERY	ECOSOL PANEL
Nominal voltage	24 V	24 V	24 V
Maximum current	10 A	10 A	no A
Peak power	no Wp	no Wp	10 Wp
Battery nominal capacity	7,2 Ah	7,2 Ah	no Ah
Battery type	12 A	12 A	no A
Maximum panel power	35 Wp	35 Wp	35 Wp
Consumption in standby	0,15 W	0,15 W	no W
Protection rating	IP55	IP55	IP65
Environmental conditions	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C

Code	International code	Name	Description
D113731	**2609201**	**ECOSOL BOX**	Control and management unit for solar power supply of systems with supply voltage of 24 V. Batteries included.
D113750	**2609221**	**ECOSOL BOX NO BATTERY**	Control and management unit for supplying solar power to systems with supply voltage of 24 V. Batteries not included.
N999471	**2611114**	**ECOSOL PANEL**	Solar-powered system compatible with BFT systems only

RECOMMENDED ACCESSORIES

Cp D113732 - **Ci** 2609213
ECOSOL DOUBLE
Expansion board with batteries Included

Cp N999473 - **Ci** 2611115
ECOSOL POST BR
Set of stainless steel screws and brackets for installing the ECOSOL PANEL on a post of diameter 48-100mm

Cp N999475 - **Ci** 2611116
ECOSOL SECURITY
Anti-tamper stainless steel screws and fasteners for ECOSOL PANEL and ECOSOL POST BR

Cp N999476 - **Ci** 2611231
ECOSOL CABLE
20 m extension for ECOSOL CHARGER

Cp N999477 - **Ci** 2611118
ECOSOL CHARGER
Battery chargers for ECOSOL BOX and ECOSOL DOUBLE

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
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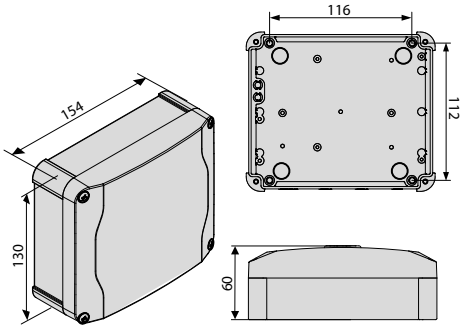
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

Remote control receiver

CLONIX



External radio receiver in panel, 433 MHz, rolling code.
Depending on the model, it can control 1 or 2 outputs via relays.
The Ultra versions have one or more slots for B-EBA expansion cards for multi-protocol communication.

	Power supply	Frequency	Environmental conditions	Memory capacity	Number of channels	U-Link
CLONIX 4 RTE	230 V	433 MHz	-20 ÷ 55 °C	0	0	No
CLONIX 2E	24 V					
RTD 2048	230 V			2048	4	Yes
CLONIX UNI AC U-LINK 230V						
CLONIX 2E AC U-LINK 230					2	

VERSIONS

Cp D113670 00002 - **Ci** 2600155
RTD 2048

Rolling code four-channel receiver 433 MHz with built-in programming display. Power supply 230 V, remote control block programming

Cp D113718 00002 - **Ci** 2600581
CLONIX 4 RTE

External 4-channel 433 MHz rolling code receiver. 230 V power supply.

Cp D113674 00001 - **Ci** 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24 Vpower supply.

Cp D113670 00002 - **Ci** D113670 00002
RTD 2048

2048 rolling code four-channel receiver with built-in programming display. 230 V AC power supply, remote control block programming

Cp D113674 00001 - **Ci** 2600578
CLONIX 2E

External dual channel 433 MHz rolling code receiver. 128-position memory

Cp D113718 00002 - **Ci** D113718 00002
CLONIX 4 RTE

External 4-channel 433 MHz rolling code receiver. Power relay outputs (16 A 230 V)

Cp D113808 00003 - **Ci** 2607512
CLONIX UNI AC U-LINK 230V

433 MHz external receiver via 3 outputs: 2 with NO contact and one with configurable NO/NC contact. Compatible with U-LINK protocol (features 3 connection ports). Power supply, 230 V, can store up to 2,048 remote controls

Cp D113807 00002 - **Ci** 2600587
CLONIX 2E AC U-LINK 230

433 MHz external receiver, compatible with U-LINK protocol (features 3 connection ports). 230 V Power supply, can store up to 2,048 remote controls

RECOMMENDED ACCESSORIES

Cp P111494 - **Ci** 2600812
B EBA WI-FI GATEWAY

Expansion card for connecting a U-Link device to a domestic wifi network. Connected operators can be controlled, even remotely, using the U-Control application available for Android and iOS smartphones.

Cp P111530 - **Ci** 2611273
B EBA RS 485 GATEWAY

GATEWAY expansion card for management of RS 485 connection

Cp D113805 00002 - **Ci** 2607511
B EBA TCP/IP GATEWAY

Gateway expansion card to connect automation systems in TCP/IP networks via U-Link slot. It manages up to 120 U-Link devices connected via B EBA RS-485 Link.

Cp P111510 - **Ci** 2600991
U-BASE 2 PC

Management and programming software for Bft control units and receivers. Version for PC, Bluetooth connection

new **Cp** N999800 - **Ci** 2614119
MITTO COOL C2 10 PZ

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue. Minimum quantity 10 items.

new **Cp** N999801 - **Ci** 2614146
MITTO COOL C4 10 PZ

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue. Minimum quantity 10 items.

new **Cp** D112318 00001 - **Ci** 2614319
MITTO COOL C4 GREY

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Grey.

new **Cp** N999802 - **Ci** 2614316
MITTO COOL C4 PAINT

Pack of 4 MITTO transmitters in 4 BFT colours: blue, yellow, grey and white.

Cp P111469 - **Ci** 2611272
B EBA BLUE GATEWAY

Expansion board for BLUETOOTH connection management

Cp P111468 - **Ci** 2600811
B EBA RS 485 LINK

Expansion board for connection of central units with serial controls management

Cp P111529 - **Ci** 2600993
U-PROG

Programmer for radio control units and receivers with possibility of wired or BlueTooth connection

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** D112318 00002 - **Ci** 2614317
MITTO COOL C4 YELLOW

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Yellow.

new **Cp** D112318 00003 - **Ci** 2614321
MITTO COOL C4 WHITE

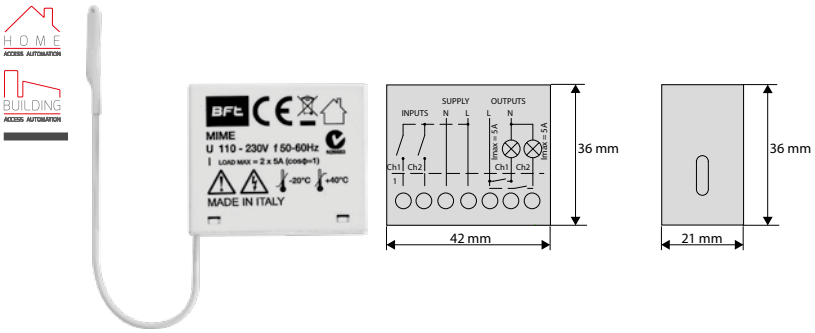
4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. White.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

Remote control receiver

MIME



	MIME AC
Power supply	230 V
Built-in antenna	Yes
Type	2
Max connectable peripherals	30
Maximum current	2 x 5 A
Frequency	433 MHz
Environmental conditions	-20 ÷ 40 °C

Miniaturized 2-channel indoor receiver for wireless control of lights or operators

VERSIONS

Cp R400008 - **Ci** 2611782
MIME AC PAD KIT

433MHz 2-channel indoor receiver 2 independent outputs 230 Vac power supply 30-position memory Operating mode: monostable, bistable, timed, motor control Complete with 1 MITTO 4 Clear Ice remote control

Cp R400007 - **Ci** 2611781
MIME AC TX KIT

433MHz 2-channel indoor receiver 2 independent outputs 230 Vac power supply 30-position memory Operating mode: monostable, bistable, timed, motor control Comes with built-in dual-channel transmitter

Cp R400005 - **Ci** 2611779
MIME AC KIT

433MHz 2-channel indoor receiver 2 independent outputs 230 Vac power supply 30-position memory Operating mode: monostable, bistable, timed, motor control Complete with 1 MITTO B RCB CLEAR ICE remote control

Cp D113824 - **Ci** 2600588
MIME AC

433 MHz 2-channel indoor receiver 2 independent outputs 230 Vac power supply 30-position memory Operating mode: monostable, bistable, timed, motor control

RECOMMENDED ACCESSORIES

Cp P121028 - **Ci** 2600242
MIME PAD

4-channel wall-mounted radio control with rolling code

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** N999800 - **Ci** 2614119
MITTO COOL C2 10 PZ

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue. Minimum quantity 10 items.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** N999801 - **Ci** 2614146
MITTO COOL C4 10 PZ

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue. Minimum quantity 10 items.

new **Cp** D112318 00002 - **Ci** 2614317
MITTO COOL C4 YELLOW

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Yellow.

new **Cp** D112318 00001 - **Ci** 2614319
MITTO COOL C4 GREY

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Grey.

new **Cp** D112318 00003 - **Ci** 2614321
MITTO COOL C4 WHITE

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. White.

new **Cp** N999802 - **Ci** 2614316
MITTO COOL C4 PAINT

Pack of 4 MITTO transmitters in 4 BFT colours: blue, yellow, grey and white.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

Cp N999522 - **Ci** 2600797
CLIP B 00 R04

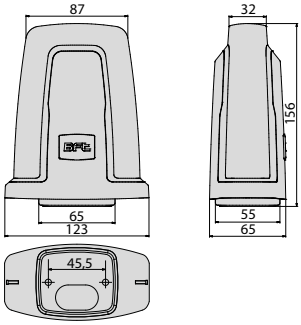
Wall mounting clip for KLEIO B RCA and MITTO B RCB remote controls. 30 unit pack

Cp P121024 - **Ci** 2600834
Q.BO TOUCH

Wireless digital touch button panel 433 MHz rolling code. Combines with control units fitted with built-in Bft receivers or external Bft receivers.

Flashing lights for automatic gates

RADIUS LED



The flashing signal light for automatic gates, RADIUS LED by BFT, available in the 24V and 230V versions, with or without built-in receiving antenna (433.92 MHz). The 24V model with built-in antenna is available in the 2 versions with a yellow or smoked grey cap. Thanks to LED technology, energy consumption is reduced by approximately 80% compared to models with traditional incandescent light bulbs, while extending the service life of the product. Possibility of installing on a surface (such as a pillar or column) or on the wall using the special accessory. Protection rating IP44.

	RADIUS LED BT A R0	RADIUS LED AC A R1 120	RADIUS LED BT A R1
Voltage	24 V	120 V	24 V
Built-in antenna	no	no	Yes
Light	yellow	yellow	yellow
Protection rating	IP44	IP44	IP44

	RADIUS LED BT A R1 W	RADIUS LED AC A R0	RADIUS LED AC A R1
Voltage	24 V	230 V	230 V
Built-in antenna	Yes	no	Yes
Light	white	yellow	yellow
Protection rating	IP44	IP44	IP44

VERSIONS

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

Cp D114093 00001 - **Ci** 2607537
RADIUS LED AC A R1 120

Flashing light with incorporated antenna for motors with power supply 120 V .

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

RECOMMENDED ACCESSORIES

Cp P123025 - **Ci** 2600837
B 00 R02

Wall mounting for B LTA series flashing beacons

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs:
P. 282

Accessories:
P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
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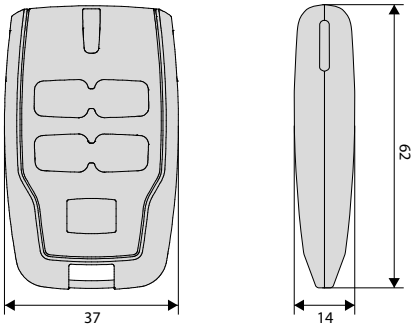
solenoid locks P. 291
release systems P. 292

Remote controls for automatic gates

KLEIO



Complete range of remote controls, 433MHz rolling code. Available with 2 or 4 channels. Softtouch finishes.

	Voltage	Range	Number of buttons	Frequency	Number of batteries	Battery type
KLEIO B RCA04 R1	12 V	50/100 m	4	433 MHz	1	23 A
KLEIO B RCA02 R1			2			

VERSIONS

Cp D111890 - **Ci** 2600572
KLEIO B RCA04 R1

Transmitter with 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A

Cp D111888 - **Ci** 2607300
KLEIO B RCA02 R1

Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A

RECOMMENDED ACCESSORIES

Cp D113807 00002 - **Ci** 2600587
CLONIX 2E AC U-LINK 230

433 MHz external receiver, compatible with U-LINK protocol (features 3 connection ports). 230 V Power supply, can store up to 2,048 remote controls

Cp D113808 00003 - **Ci** 2607512
CLONIX UNI AC U-LINK 230V

433 MHz external receiver via 3 outputs: 2 with NO contact and one with configurable NO/NC contact. Compatible with U-LINK protocol (features 3 connection ports). Power supply, 230 V, can store up to 2,048 remote controls

Cp D113674 00001 - **Ci** 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24 Vpower supply.

Cp D113718 00002 - **Ci** 2600581
CLONIX 4 RTE

External 4-channel 433 MHz rolling code receiver. 230 V power supply.

Cp P111510 - **Ci** 2600991
U-BASE

Software for bluetooth programming and managing of control unit, receiver and transmitters. USB key included

Cp P111529 - **Ci** 2600993
U-PROG

Programmer for radio control units and receivers with possibility of wired or BlueTooth connection

Cp N999522 - **Ci** 2600797
CLIP B 00 R04

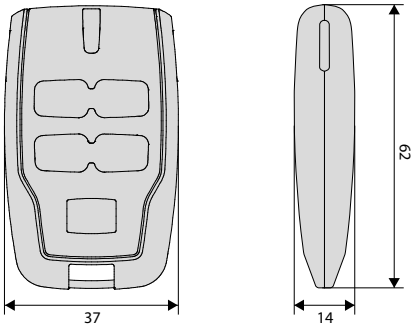
Wall mounting clip for KLEIO B RCA and MITTO B RCB remote controls. 30 unit pack

Cp N999521 - **Ci** 2611120
CLIP1 B 00 R03

Clip for hooking KLEIO B RCA and MITTO B RCB series remote controls to belt or sun visor. Supplied in pack of 30pcs

Remote controls for automatic gates

MITTO



Complete range of remote controls, 433MHz rolling code. Available with 2 or 4 channels.

	Voltage	Range	Number of buttons	Frequency	Number of batteries	Battery type	Coloration
MITTO B RCB04 R1 CLEAR ICE	12 V	50/100 m	4	433 MHz	1	23 A	clear ice white
MITTO B RCB04 CLEAR ICE CUSTOMIZED							
MITTO B RCB04 R1 SUNRISE							sunrise yellow
MITTO B RCB04 SUNRISE CUSTOMIZED							
MITTO B RCB04 R1 VINEYARD							vineyard red
MITTO B RCB04 VINEYARD CUSTOMIZED							
MITTO B RCB04 R3 4CH 100PZ							
MITTO B RCB04 4CH 100PZ CUSTOMISED							
MITTO B RCB04 R2 REPLAY							
MITTO B RCB04 4CH REPLAY CUSTOMIZED							
MITTO B RCB04 R1							
MITTO B RCB04 4CH CUSTOMIZED							
MITTO B RCB02 R3 2CH 100PZ			2				-
MITTO B RCB02 2CH 100PZ CUSTOMISED							
MITTO B RCB02 R2 REPLAY							
MITTO B RCB02 2CH REPLAY CUSTOMIZED							
MITTO B RCB02 R1							
MITTO B RCB02 2CH CUSTOMIZED							
MITTO B RCB04 R6 RAINBOW			4				

VERSIONS

Ph. Out **Cp** D111947 - **Ci** 2607370
MITTO B RCB04 R1 CLEAR ICE

Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Colour clear ice white. Buttons panel can be customised with own design/logo.

Ph. Out **Cp** D111946 - **Ci** 2607366
MITTO B RCB04 R1 SUNRISE

Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Colour: sunrise yellow

Ph. Out **Cp** D111945 - **Ci** 2607364
MITTO B RCB04 R1 VINEYARD

Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Colour: vineyard red

Ph. Out **Cp** D112201 - **Ci** 2600952
MITTO B RCB04 CLEAR ICE CUSTOMIZED

Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Colour clear ice white. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.

Ph. Out **Cp** D112200 - **Ci** 2607406
MITTO B RCB04 SUNRISE CUSTOMIZED

Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Colour sunrise yellow. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.

Ph. Out **Cp** D112202 - **Ci** 2613246
MITTO B RCB04 VINEYARD CUSTOMIZED

Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Colour vineyard red. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.

Cp **Code**
Ci **International code**

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

VERSIONS

Cp N999543 - **Ci** 2611124
MITTO B RCB04 R3 4CH 100PZ

Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Pack of 100pcs numbered for block memorisation.

Cp D111907 - **Ci** 2607347
MITTO B RCB04 R2 REPLAY

Copyable transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A.

Cp D111906 - **Ci** 2600535
MITTO B RCB04 R1

Transmitter with 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A

Cp N999542 - **Ci** 2611121
MITTO B RCB02 R3 2CH 100PZ

Transmitter 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Pack of 100pcs numbered for block memorisation.

Cp D111905 - **Ci** 2600573
MITTO B RCB02 R2 REPLAY

Copyable transmitter 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A.

Cp D111904 - **Ci** 2600534
MITTO B RCB02 R1

Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A

Cp N999629 - **Ci** 2611137
MITTO B RCB04 R6 RAINBOW

Pack of four MITTO 4 transmitters in the four BFT colours: vineyard red sunrise yellow clear ice white deep sea blue

Cp N998612 - **Ci** 2611058
MITTO B RCB04 4CH 100PZ CUSTOMISED

Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Pack of 100pcs numbered for block memorisation.

Cp D112199 - **Ci** 2613245
MITTO B RCB04 4CH REPLAY CUSTOMIZED

Pairable transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.

Cp D112197 - **Ci** 2607404
MITTO B RCB04 4CH CUSTOMIZED

Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.

Cp N998611 - **Ci** 2611057
MITTO B RCB02 2CH 100PZ CUSTOMISED

Transmitter 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Pack of 100pcs numbered for block memorisation.

Cp D112198 - **Ci** 2607405
MITTO B RCB02 2CH REPLAY CUSTOMIZED

Pairable transmitter with 2 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.

Cp D112196 - **Ci** 2607403
MITTO B RCB02 2CH CUSTOMIZED

Transmitter with 2 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.

RECOMMENDED ACCESSORIES

Cp D113807 00002 - **Ci** 2600587
CLONIX 2E AC U-LINK 230

433 MHz external receiver, compatible with U-LINK protocol (features 3 connection ports). 230 V Power supply, can store up to 2,048 remote controls

Cp D113674 00001 - **Ci** 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24 Vpower supply.

Cp P111510 - **Ci** 2600991
U-BASE

Software for bluetooth programming and managing of control unit, receiver and transmitters. USB key included

Cp N999522 - **Ci** 2600797
CLIP B 00 R04

Wall mounting clip for KLEIO B RCA and MITTO B RCB remote controls. 30 unit pack

Cp D113808 00003 - **Ci** 2607512
CLONIX UNI AC U-LINK 230V

433 MHz external receiver via 3 outputs: 2 with NO contact and one with configurable NO/NC contact. Compatible with U-LINK protocol (features 3 connection ports). Power supply, 230 V, can store up to 2,048 remote controls

Cp D113718 00002 - **Ci** 2600581
CLONIX 4 RTE

External 4-channel 433 MHz rolling code receiver. 230 V power supply.

Cp P111529 - **Ci** 2600993
U-PROG

Programmer for radio control units and receivers with possibility of wired or BlueTooth connection

Cp N999521 - **Ci** 2611120
CLIP1 B 00 R03

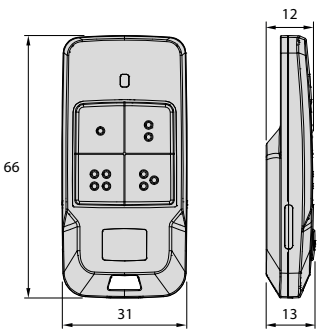
Clip for hooking KLEIO B RCA and MITTO B RCB series remote controls to belt or sun visor. Supplied in pack of 30pcs

Remote controls for automatic gates

MITTO COOL

HOME ACCESS AUTOMATION
BUILDING ACCESS AUTOMATION
URBAN ACCESS AUTOMATION
U-Security

Range of remote controls comprising two and four-button models, all with red pin LEDS, available in four colours and with the option of customising the front part. Supports the new U-Security technology and are powered by a widely available 3V pin battery.



	Voltage	Range	Number of buttons	Frequency	Number of batteries	Battery type	Weight	Colour
MITTO COOL C2	3 V	50/100 m	2	433 MHz	1	CR2032 A	20 g	Blue
MITTO COOL C2 CUSTOMIZED								
MITTO COOL C2 10 PZ								
MITTO COOL C4			4					
MITTO COOL C4 CUSTOMIZED								
MITTO COOL C4 10 PZ								
MITTO COOL C4 YELLOW								Yellow
MITTO COOL C4 YELLOW CUSTOMIZED								
MITTO COOL C4 GREY								Grey
MITTO COOL C4 GREY CUSTOMIZED								
MITTO COOL C4 WHITE								White
MITTO COOL C4 WHITE CUSTOMIZED								
MITTO COOL C4 PAINT								blue, yellow, grey, white

VERSIONS

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** N999800 - **Ci** 2614119
MITTO COOL C2 10 PZ

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue. Minimum quantity 10 items.

new **Cp** D112327 - **Ci** 2614147
MITTO COOL C4 CUSTOMIZED

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue. Minimum order 100 items.

new **Cp** D112318 00002 - **Ci** 2614317
MITTO COOL C4 YELLOW

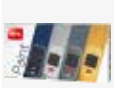
4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Yellow.

new **Cp** D112318 00001 - **Ci** 2614319
MITTO COOL C4 GREY

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Grey.

new **Cp** D112318 00003 - **Ci** 2614321
MITTO COOL C4 WHITE

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. White.



new **Cp** N999802 - **Ci** 2614316
MITTO COOL C4 PAINT

Pack of 4 MITTO transmitters in 4 BFT colours: blue, yellow, grey and white.

new **Cp** D112326 - **Ci** 2614152
MITTO COOL C2 CUSTOMIZED

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue. Minimum order 100 items.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** N999801 - **Ci** 2614146
MITTO COOL C4 10 PZ

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue. Minimum quantity 10 items.

new **Cp** D112327 00002 - **Ci** 2614318
MITTO COOL C4 YELLOW CUSTOMIZED

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Yellow. Minimum order 100 items.

new **Cp** D112327 00001 - **Ci** 2614320
MITTO COOL C4 GREY CUSTOMIZED

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Grey. Minimum order 100 items.

new **Cp** D112327 00003 - **Ci** 2614322
MITTO COOL C4 WHITE CUSTOMIZED

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. White. Minimum order 100 items.

Cp Code
Ci International code

U-Link
new New
Ph Out Phase-out

EasyAxs: P. 282

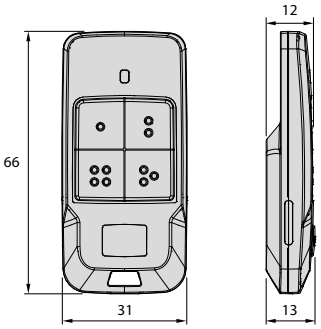
Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

Remote controls for automatic gates

MITTO STYLE

HOME ACCESS AUTOMATION
BUILDING ACCESS AUTOMATION
URBAN ACCESS AUTOMATION
U-Security



Four-channel black remote control with red diffused light LEDs, screen printed logo on the front cover and keyring loop with metal insert. Supports the new U-Security technology and is powered by a widely available 3V coin battery.

	MITTO STYLE C4
Voltage	3 V
Range	50/100 m
Number of buttons	2
Frequency	433 MHz
Number of batteries	1
Battery type	CR2032 A
Weight	26 g
Colour	Black

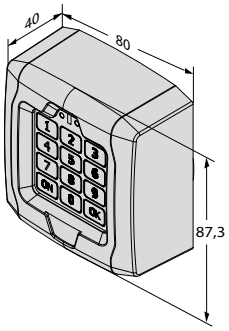
VERSIONS

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

Switches for automatic gates, entrances and electric appliances

Q.BO



New range of key selectors
Also available in vandalproof version with metal shell
The Q.bo range also includes the Q.BO TOUCH wireless keypad

	Q.BO PAD	Q.BO TOUCH	Q.BO KEY WM AV	Q.BO KEY WM
Voltage	12/24 V	12/24 V		
Number of batteries		2		
Battery type		CR123A		
Frequency		433 MHz		
Protection rating	IP44	IP55	IP44	IP44

VERSIONS

Cp P121025 - **Ci** 2600835
Q.BO PAD

Vandalproof digital push-button panel, for outdoor use. Metal structure and s/steel buttons. Compatible with WIEGAND protocol, it ensures maximum system safety as it does not directly control the opening of the entry point. Combines with a WIEGAND receiver.

Cp P121024 - **Ci** 2600834
Q.BO TOUCH

Wireless digital touch button panel 433 MHz rolling code. Combines with control units fitted with built-in Bft receivers or external Bft receivers.

Cp P121023 - **Ci** 2600833
Q.BO KEY WM AV

Vandalproof key selector with metal structure.

Cp P121022 - **Ci** 2601396
Q.BO KEY WM

Key selector for outdoor use with double contact.

RECOMMENDED ACCESSORIES

Cp P111467 - **Ci** 2611262
B EBA WIE INPUT/OUTPUT

Expansion card for connection of WIEGAND accessories, compatible with U-Link control units

Cp - **Ci** 2611471
PHP3

Single aluminium column for Q.bo series selectors. Height 1038 mm

Cp D113674 00001 - **Ci** 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24 Vpower supply.

Cp D113718 00002 - **Ci** 2600581
CLONIX 4 RTE

External 4-channel 433 MHz rolling code receiver. 230 V power supply.

Cp **Code**
Ci **International code**

U-Link
New
Phase-out

EasyAxs: P. 282

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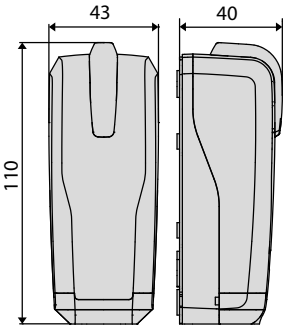
solenoid locks P. 291
release systems P. 292

Photocells for automatic gates and safety devices

THEA



Pair of orientable photocells with integrated flashing beacon
30 metre nominal flow.

	THEA A15 O.PF UNI	THEA A15 O.PF
Voltage	24 V	24 V
Horiz. adjustment	40 °	40 °
Vert. adjustment	10 °	10 °
Range	30 m	30 m
Protection rating	IP55	IP55

VERSIONS

Cp P111714 - **Ci** 2600815
THEA A15 O.PF UNI

Pair of self-aligning photocells. Range 30 m. Power supply 24 V ac/dc. Pair of universal photocells suitable for non-BFT automation systems, adjustable with integrated flashing light. Synchronised infrared signal to avoid any possibility of accidental dazzling. For external application. Beam can be oriented 40° horizontally and 10° vertically. Range 30 m. Power supply 24 V ac/dc.

Cp P111528 - **Ci** 2601272
THEA A15 O.PF

Pair of adjustable photocells with integrated flashing light. Possibility of directing the beam 40 ° horizontally and 10 ° vertically. IR signal synchronised to prevent any risk of blinding. Range 30 m. Power supply 24 V ac/dc. For external application.

RECOMMENDED ACCESSORIES

Cp P903022 - **Ci** 2611470
PHP BI

Dual-face adapter for THEA/DESME photocells

Cp P903028 - **Ci** 2600992
PHP A

Pair of aluminium posts for THEA, DESME and COMPACTA series photocells Height 522 mm

Cp P903029 - **Ci** 2601357
PHP2 A

Pair of double aluminium posts for THEA, DESME and COMPACTA series photocells. Height 1038 mm

Cp P903030 - **Ci** 2611473
PHP4 A

Pair of aluminum posts of different heights, for Q.bo series selectors and THEA, DESME and COMPACTA series photocells. Column for selector: height 1038 mm, column for photocells: height 552 mm

Cp P903032 - **Ci** 2611474
ADA CC A

Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on CC posts

Cp P903023 - **Ci** 2604488
PHP BA1

Support for mounting THEA/DESME photocells on Giotto, Moovi and Michelangelo enclosures

Cp P903020 - **Ci** 2611468
APL

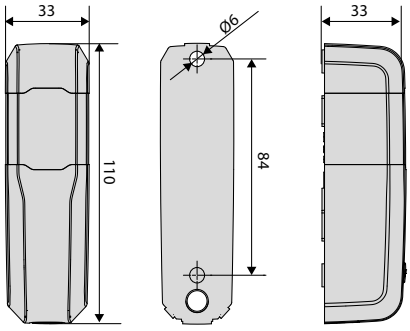
Pair of foundation plates for PHP posts

Cp P903033 - **Ci** 2611475
ADA PHP A

Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on PHP posts

Photocells for automatic gates and safety devices

COMPACTA A20-180



Pair of adjustable photocells, designed to offer a high level of installation flexibility thanks to their compact size, the possibility to adjust the head by 90° horizontally, left and right (180° in total), and a wide input power supply range 12-33Vac and 15-35Vdc. 20 metre nominal range.

	COMPACTA A20-180	KIT COMPACTA - PHP
Supply voltage	12 - 33Vac / 15 - 35Vdc	12 - 33Vac / 15 - 35Vdc
Nominal Range	20 m	20 m
Horiz. adjustment	180 °	180 °
Degree of protection (IP)	44	44

VERSIONS

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp R400009 - **Ci** 2611783
KIT COMPACTA - PHP

Kit complete with a pair of aluminum posts for photocells height 522mm and a pair of Compacta A20-180 photocells adjustable 180° horizontally, range 20m, power supply 12 – 33Vac / 15 – 35Vdc

RECOMMENDED ACCESSORIES

Cp P903028 - **Ci** 2600992
PHP A

Pair of aluminium posts for THEA, DESME and COMPACTA series photocells Height 522 mm

Cp P903029 - **Ci** 2601357
PHP2 A

Pair of double aluminium posts for THEA, DESME and COMPACTA series photocells. Height 1038 mm

Cp P903030 - **Ci** 2611473
PHP4 A

Pair of aluminum posts of different heights, for Q.bo series selectors and THEA, DESME and COMPACTA series photocells. Column for selector: height 1038 mm, column for photocells: height 552 mm

Cp P903020 - **Ci** 2611468
APL

Pair of foundation plates for PHP posts

Cp P903033 - **Ci** 2611475
ADA PHP A

Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on PHP posts

Cp P903032 - **Ci** 2611474
ADA CC A

Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on CC posts

Cp P903031 - **Ci** 2605301
BMC A

Support for mounting COMPACTA series photocells on wall and on Giotto, Moovi and Michelangelo barriers

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
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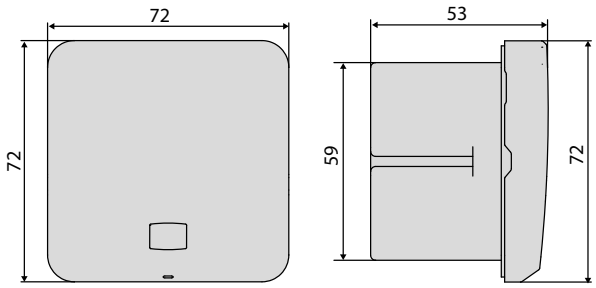
Photocells for automatic gates and safety devices

MURA A30



Pair of recessed photocells, ideal solution in a stylish environment. Due to their small size and ability to adjust the beam means easy installation. Extended main supply range of 12-33Vac and 15-35Vdc. Nominal range 30 metres.

	MURA A30
Supply voltage	12 - 33Vac / 15 - 35Vdc
Nominal Range	30 m
Adjustment range	+-7°
Degree of protection (IP)	44

VERSIONS

Cp P111812 - **Ci** 2613388
MURA A30

Pair of recessed photocells. Range up to 30 metres. Power supply 12-33Vac / 15-35Vdc

RECOMMENDED ACCESSORIES

Cp P903028 - **Ci** 2600992
PHP A

Pair of aluminium posts for THEA, DESME and COMPACTA series photocells Height 522 mm

Cp P903029 - **Ci** 2601357
PHP2 A

Pair of double aluminium posts for THEA, DESME and COMPACTA series photocells. Height 1038 mm

Cp P903030 - **Ci** 2611473
PHP4 A

Pair of aluminum posts of different heights, for Q.bo series selectors and THEA, DESME and COMPACTA series photocells. Column for selector: height 1038 mm, column for photocells: height 552 mm

Cp P903020 - **Ci** 2611468
APL

Pair of foundation plates for PHP posts

Cp P903034 - **Ci** 2613426
ADA PHP MURA

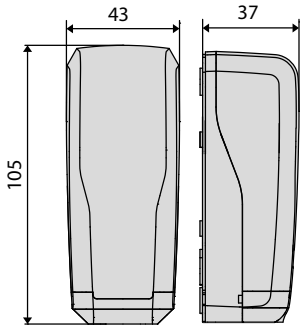
Pair of adapters for installing MURA photocells on PHP series posts.

Cp P111815 - **Ci** 2613435
CCI MURA CONTAINER FLUSH-FIT

Pair of recessed housings for MURA photocells.

Photocells for automatic gates and safety devices

DESME



Design, innovation and technology. These are the messages conveyed by the new range of photocells, which perfectly combine elegance, practicality, safety, ergonomics and functionality. 30 metre nominal flow.

	DESME A15
Voltage	24 V
Horiz. adjustment	no °
Vert. adjustment	no °
Range	30 m
Protection rating	IP55

VERSIONS

Cp P111526 - **Ci** 2600547
DESME A15

Pair of self-aligning photocells. Range 30 m. Power supply 24 V ac/dc.

RECOMMENDED ACCESSORIES

Cp P903028 - **Ci** 2600992
PHP A

Pair of aluminium posts for THEA, DESME and COMPACTA series photocells Height 522 mm

Cp P903029 - **Ci** 2601357
PHP2 A

Pair of double aluminium posts for THEA, DESME and COMPACTA series photocells. Height 1038 mm

Cp P903030 - **Ci** 2611473
PHP4 A

Pair of aluminum posts of different heights, for Q.bo series selectors and THEA, DESME and COMPACTA series photocells. Column for selector: height 1038 mm, column for photocells: height 552 mm

Cp P903022 - **Ci** 2611470
PHP BI

Dual-face adapter for THEA/DESME photocells

Cp P903023 - **Ci** 2604488
PHP BA1

Support for mounting THEA/DESME photocells on Giotto, Moovi and Michelangelo enclosures

Cp P903032 - **Ci** 2611474
ADA CC A

Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on CC posts

Cp P903024 - **Ci** 2600847
ACV20

Vandal-proof protection for DESME photocells

Cp P903020 - **Ci** 2611468
APL

Pair of foundation plates for PHP posts

Cp P903033 - **Ci** 2611475
ADA PHP A

Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on PHP posts

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

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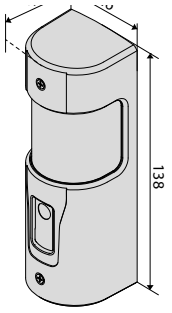
Photocells for automatic gates and safety devices

AKTA - ERIS



Wired or wireless adjustable photocells with maximum range 30 m.

	ERIS A30	AKTA A30
Voltage	24 V	24 V
Horiz. adjustment	180 °	180 °
Vert. adjustment	20 °	20 °
Range	30 m	30 m
Protection rating	IP55	IP55

VERSIONS

Cp P111537 - **Ci** 2600814
ERIS A30

Pair of wireless photocells with the possibility of management of an active infrared or resistive safety edge adding STR and BIR C or BAR C profiles.

Cp P111536 - **Ci** 2600813
AKTA A30

Pair of photocells adjustable 180 ° horizontally and 20 ° vertically. Range 30 m. Power supply 24 V ac/dc.

RECOMMENDED ACCESSORIES

Cp N190106 - **Ci** 2610878
STR

Pair of infrared STR sensors for ERIS A30

Cp N190104 - **Ci** 2600775
BIR C

Rubber safety edge (H 30 mm), price per m

Cp P111451 00002 - **Ci** 2611253
BAR C BA 2

Double profile safety edge with lip seals (L2000xh60 mm.) BAR C BA 2

Cp P903025 - **Ci** 2600848
PHP ADA

Pair of adapters for the installation of AKTA photocells on PHP posts

Cp P903028 - **Ci** 2600992
PHP A

Pair of aluminium posts for THEA, DESME and COMPACTA series photocells Height 522 mm

Cp P903029 - **Ci** 2601357
PHP2 A

Pair of double aluminium posts for THEA, DESME and COMPACTA series photocells. Height 1038 mm

Cp P903020 - **Ci** 2611468
APL

Pair of foundation plates for PHP posts

Cp P111538 - **Ci** 2611353
ACV30

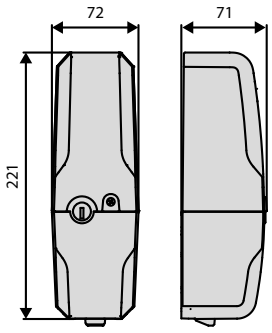
Vandal-proof protection for AKTA photocells

Cp N999465 - **Ci** 2600425
DCW BAT

Pack of 12 batteries for photocell safety edge, compatible with DCW, TANGO, ERIS A30

Vertical electric locks for automatic gates

EBP A



Vertical drop-down electric lock, for automated swinging gates. The product is an important accessory for completing the installation in order to safeguard gear motors installed on large gates. It is also an essential element for locking the leaves when gates are equipped with reversible operators. Available in 230V, 120V and in the new 24V version, it is directly connected to the control unit. The wide operating temperature range of -20°C +55°C allows it to be used in a large number of applications.

	EBP AC A 230V 50/60HZ	EBP BT A 24V	EBP AC A 120V 50/60Hz	EBP	EBP 24
Power supply	220-230V 50/60 Hz	24V ± 10% 50/60 Hz or DC	120V 50/60 Hz	220-230V 50/60Hz	120/230V 50/60Hz
Inrush current	1,2 A	1,2 A	1,2 A	0,4 A	15 A
Holding current for the retracted bolt	200 mA	1000 mA	400 mA	150 mA	1450 mA
Thermal protection	Yes	Yes	Yes	Yes	Yes
Operating temperature	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C
IP Rating	IP44	IP44	IP44	IP44	IP44

	EBPE 52	EBPE 52 24V	EBPE 75	EBP 120
Power supply	220-230V 50/60Hz	120/230V 50/60Hz	220-230V 50/60Hz	120V 50/60Hz
Inrush current	0,4 A	15 A	0,4 A	0,84 A
Holding current for the retracted bolt	150 mA	1450 mA	150 mA	260 mA
Thermal protection	Yes	Yes	Yes	Yes
Operating temperature	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C
IP Rating	IP44	IP44	IP44	IP44

VERSIONS

new **Cp** P123032 00001 - **Ci** 2613516
EBP AC A 230V 50/60HZ

230V vertical electric lock.

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

new **Cp** P123032 00002 - **Ci** 2613517
EBP AC A 120V 50/60Hz

120V vertical electric lock.

Ph. Out **Cp** P123001 00001 - **Ci** 2600836
EBP

Electric lock 220-230V 50/60Hz with zero stop resistance

Ph. Out **Cp** P123001 00013 - **Ci** 2600520
EBP 24

Electric lock 120/230V 50/60Hz with 230/24V transformer which can be installed on the control panel

Ph. Out **Cp** P123006 00001 - **Ci** 2600500
EBPE 52

Electric lock 220-230V 50/60Hz with zero stop resistance, also with external release for gates of max. thickness 52 mm.

Cp **Code**

Ci **International code**

U-Link

new New

Ph. Out Phase-out

EasyAxs: P. 282

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VERSIONS

new **Cp** P123032 00001 - **Ci** 2613516
EBP AC A 230V 50/60HZ

230V vertical electric lock.

new **Cp** P123032 00002 - **Ci** 2613517
EBP AC A 120V 50/60Hz

120V vertical electric lock.

Ph. Out **Cp** P123001 00013 - **Ci** 2600520
EBP 24

Electric lock 120/230V 50/60Hz with 230/24V transformer which can be installed on the control panel

Ph. Out **Cp** P123006 00013 - **Ci** 2611411
EBPE 52 24V

EBPE 52 120/230V 50/60Hz with transformer

Ph. Out **Cp** P123001 00004 - **Ci** 2611406
EBP 120

Electric lock 120V 50/60Hz with 230/24V transformer which can be installed on the control panel

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

Ph. Out **Cp** P123001 00001 - **Ci** 2600836
EBP

Electric lock 220-230V 50/60Hz with zero stop resistance

Ph. Out **Cp** P123006 00001 - **Ci** 2600500
EBPE 52

Electric lock 220-230V 50/60Hz with zero stop resistance, also with external release for gates of max. thickness 52 mm.

Ph. Out **Cp** P123008 00001 - **Ci** 2600519
EBPE 75

Electric lock 220-230V 50/60Hz with zero stop resistance, also with external release for gates of max. thickness 75 mm.

RECOMMENDED ACCESSORIES

Cp P123033 - **Ci** 2613523
CSE 52 (EXTERNAL RELEASE EBP 52 MM)

Key cylinder for external release for gates of max. thickness 50 mm. Also includes internal key cylinder with same key number.

Cp P123034 - **Ci** 2613525
CSE 75 (EXTERNAL RELEASE EBP 75 MM)

Key cylinder for external release for gates of max. thickness 75 mm. Also includes internal key cylinder with same key number.

THALIA

Control panel with display for one or two 24V electromechanical operators used on 230V/500W swing gates (Power version). The dual-channel radio receiver is incorporated. It has a crush-proof system based on D-Track technology, controls the slowing down when opening and closing and has an electronic self-learning function. The main functions include automatic closing, fast closing, partial opening and hold-to-run operation.

	THALIA	THALIA P	THALIA 120V	THALIA P 120V
BASIC CHARACTERISTIS				
Maximum output	180+180 W	240+240 W	180+180 W	240+240 W
Board power supply	220-230 V	220-230 V	110-120 V	110-120 V
Max. n. transmitters	63	63	63	63
Programming	Display	Display	Display	Display
Power supply accessories	24V - 1A	24V - 1A	24V - 1A	24V - 1A
CONFIGURATION OF SAFETY INPUTS				
Light sensor	●	●	●	●
Safety edge	●	●	●	●
Resistive edge	●	●	●	●
Tested photocell	●	●	●	●
Tested safety edge	●	●	●	●
Stop	●	●	●	●
CONFIGURATION OF CONTROL INPUTS				
Start	●	●	●	●
Traffic light control	●	●	●	●
Open	●	●	●	●
Close	●	●	●	●
Pedestrian open	●	●	●	●
Open with timer	●	●	●	●
Pedestrian open with timer	●	●	●	●
OUTPUTS				
Blinker	24V - 1A	24V - 1A	24V - 1A	24V - 1A
Configurable AUX 1		230 - 5A		230 - 5A
Configurable AUX 2		230 - 5A		230 - 5A
Configurable AUX 3	24V - 1A	24V - 1A	24V - 1A	24V - 1A
Solenoid Lock		12/24V		12/24V
OUTPUTS CONFIGURATION				
Courtesy light	●	●	●	●
Zone light	●	●	●	●
Stairs light	●	●	●	●
Gate open alarm	●	●	●	●
Blinker	●	●	●	●
Electric release lock	●	●	●	●
Electric magnetic lock	●	●	●	●
Maintenance	●	●	●	●
Flashing + Maintenance	●	●	●	●
Gate open warning light	●	●	●	●

VERSIONS

Cp D113745 00002 - **Ci** 2600477
THALIA

Control panel with display for one or two 24V electromechanical operators for swing gates

Cp D113745 00001 - **Ci** 2607483
THALIA 120V

Control panel with display for one or two 24V electromechanical operators for swing gates

Cp D113747 00002 - **Ci** 2600583
THALIA P

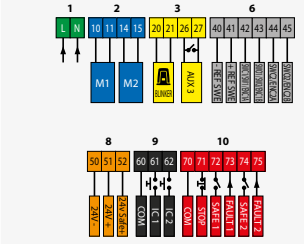
Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems

Cp D113747 00001 - **Ci** 2607487
THALIA P 120V

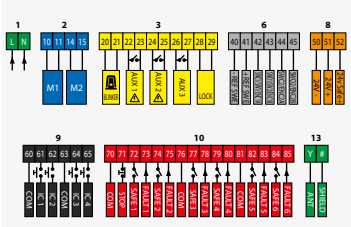
THALIA LEB - 12x14 LARGE ENCLOSURE WITH 9AMP/H BATTERIES

Connecting diagram

D113745 00002 - THALIA



D113747 00002 - THALIA P



Legend

- 1: power supply
- 2: motor
- 3: aux
- 4: blinker
- 5: limit switch imputs
- 6: limit switch imputs / encoder
- 7: encoder imputs
- 8: accessories power supply
- 9: commands
- 10: safety devices
- 11: commands/safety devices
- 12: NTC
- 13: antenne

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

THALIA BT A

Control panel with display for one or two 24V electromechanical operators used on 230V swing gates. There are two power modules, which are interchangeable and can operate all motors. The radio receiver is incorporated and the memory of the remote controls is removable and expandable. It has an anti-crushing system based on D-Track technology, it controls the slowing down when opening and closing and has an electronic self-learning function. The main functions include automatic closing, fast closing, partial opening and hold-to-run operation. This panel can be programmed using Bluetooth or remotely via wifi/GSM using a dedicated app. The product complies with the new energy efficiency regulations and therefore has a power consumption on standby of less than 0.5 W.

	THALIA BT A80 DUO
BASIC CHARACTERISTIS	
Maximum output	180+180 W
Board power supply	220-230 V
Max. n. transmitters	128
Power consumption on standby	< 0,5 W
Programming	Display
Power supply accessories	24V - 1A
CONFIGURATION OF SAFETY INPUTS	
Light sensor	●
Safety edge	●
Resistive edge	●
Tested photocell	●
Tested safety edge	●
Stop	●
CONFIGURATION OF CONTROL INPUTS	
Start	●
Traffic light control	●
Open	●
Close	●
Pedestrian open	●
Open with timer	●
Pedestrian open with timer	●
OUTPUTS	
Blinker	24V - 1A
Configurable AUX 1	24V - 1A
Solenoid Lock	24V - 30W
OUTPUTS CONFIGURATION	
Courtesy light	●
Zone light	●
Stairs light	●
Gate open alarm	●
Blinker	●
Electric release lock	●
Electric magnetic lock	●
Maintenance	●
Flashing + Maintenance	●
Gate status	●
Gate open warning light	●

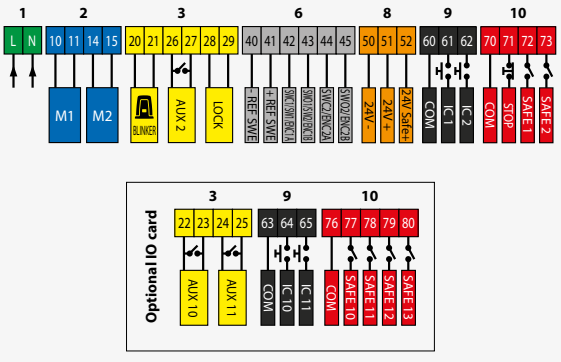
VERSIONS

U-Link EasyAXS new **Cp** D114215 00002 - **Ci** 2614324
THALIA BT A80 DUO

Control panel for one or two 24V operators for swing gates, for highly complex systems. The product complies with the new energy efficiency regulations.

Connecting diagram

D114215 00002 - THALIA BT A80 DUO



ZARA

Control panel with dip switches and potentiometers for one or two 24V electromechanical operators for 230V/80W swing gates. The dual-channel radio receiver is incorporated. The torque is electronically adjusted with an obstacle detection system. The strength of the gates and slowing down space can be adjusted with the potentiometers. Key functions include automatic closing, fast closing, pulse locking when opening and pressure surge when opening. It supports the EELINK protocol.

	ZARA BT L2	ZARA BT L2 120V
BASIC CHARACTERISTIS		
Maximum output	40+40 W	40+40 W
Board power supply	220-230 V	110-120 V
Max. n. transmitters	63	63
Programming	DIP+TRIMMER	DIP+TRIMMER
Power supply accessories	24V - 0,2A	24V - 0,2A
CONFIGURATION OF SAFETY INPUTS		
Light sensor	●	●
Safety edge	●	●
Resistive edge	●	●
Tested photocell	●	●
Tested safety edge	●	●
Stop	●	●
CONFIGURATION OF CONTROL INPUTS		
Start	●	●
Open	●	●
OUTPUTS		
Blinker	24V - 1A	24V - 1A
Solenoid Lock	●	
OUTPUTS CONFIGURATION		
Electric release lock	●	

VERSIONS

Cp D113796 00002 - **Ci** 2607507
ZARA BT L2

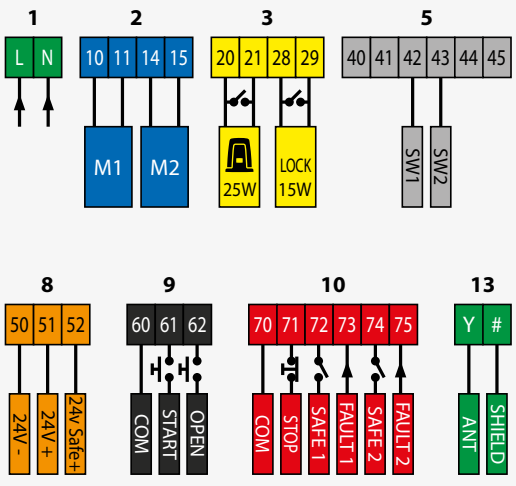
Control panel with dip switches and potentiometers for one or two 24V operators for swing gates.

Cp D113796 00001 - **Ci** 2607506
ZARA BT L2 120V

Control panel with dip switches and potentiometers for one or two 24V operators for swing gates.

Connecting diagram

D113796 00002 - ZARA BT L2



Legend
1: power supply
2: motor
3: aux
4: blinker
5: limit switch imputs
6: limit switch imputs / encoder
7: encoder imputs
8: accessories power supply
9: commands
10: safety devices
11: commands/safety devices
12: NTC
13: antenne

Cp **Code**
Ci **International code**

U-Link
New
Phase-out

EasyAxs: P. 282

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set of batteries for control units P. 282
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software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

ZARA BT A

Control panel with dip switches and potentiometers for one or two 24V operators for swing gates Application: control panel for one or two 24V operators for swing gates Board power supply: 230V single-phase. Operators power supply: 24 VDC, max. 180 W for each operator. Main functions: automatic closing, functions: automatic closing, fast closing, hold-to-run operation Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R Main features: removable terminal block with new colour-coding, simplified dip switch programming and built-in receiver, anti-crush system with D-Track technology, slowdown during opening and closing and electronic learning, pedestrian control by remote control only, electronic lock management. The product complies with the new energy efficiency regulations and therefore has a power consumption on standby of less than 0.5 W.

	ZARA BT A80
BASIC CHARACTERISTIS	
Maximum output	180+180 W
Board power supply	220-230 V
Max. n. transmitters	128
Power consumption on standby	< 0,5 W
Programming	DIP+TRIMMER
Power supply accessories	24V - 0,25A
CONFIGURATION OF SAFETY INPUTS	
Light sensor	●
Safety edge	●
Resistive edge	●
Tested photocell	●
Tested safety edge	●
Stop	●
CONFIGURATION OF CONTROL INPUTS	
Start	●
Open	●
OUTPUTS	
Blinker	24V - 2W
Configurable AUX 1	24V - 1A
OUTPUTS CONFIGURATION	
Gate open warning light	●
Courtesy light	●
Electric release lock	●
Blinker	●

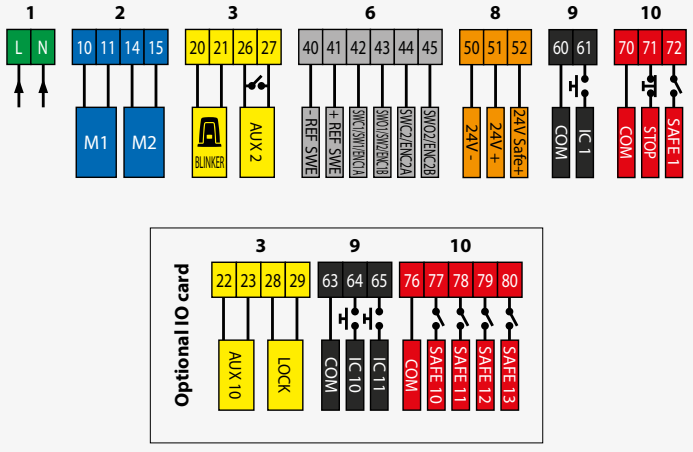
VERSIONS

U-Link EasyAXS new **Cp** D114218 00002 - **Ci** 2614325
ZARA BT A80

Control panel with dip switches and potentiometers for one or two 24V operators for swing gates. The product complies with the new energy efficiency regulations.

Connecting diagram

D114218 00002 - ZARA BT A80



VEGA

Control panel with display for one or two 24V electromechanical operators for 230V/200W overhead garage doors. The dual-channel radio receiver is incorporated. It has a crush-proof system based on D-Track technology, controls the slowing down when opening and closing and has an electronic self-learning function. The main functions include automatic closing, fast closing, pulse blocking, pulse locking and locked shut maintenance. Supports the U-LINK and EELINK protocols.

	VEGA BTL2 QUADRO CPEL
BASIC CHARACTERISTIS	
Maximum output	200 (20P) 130(10P) W
Board power supply	220-230 V
Max. n. transmitters	63
Programming	Display
Power supply accessories	24V - 0,2A
CONFIGURATION OF SAFETY INPUTS	
Light sensor	●
Safety edge	●
Resistive edge	●
Tested photocell	●
Tested safety edge	●
Stop	●
CONFIGURATION OF CONTROL INPUTS	
Start	●
Traffic light control	●
Open	●
Close	●
Pedestrian open	●
Open with timer	●
Pedestrian open with timer	●
OUTPUTS	
Blinker	24V - 1A
Configurable AUX 3	24V - 1A
Solenoid Lock	24V-10W
Courtesy Light	●
OUTPUTS CONFIGURATION	
Gate open warning light	●
Courtesy light	●
Electric release lock	●
Electric magnetic lock	●
Maintenance	●
Stairs light	●
Blinker	●
Flashing + Maintenance	●
Tamper-proof	●
Time delay radio channel	●
Bistable radio channel	●
Gate status	●
Zone light	●
Gate open alarm	●

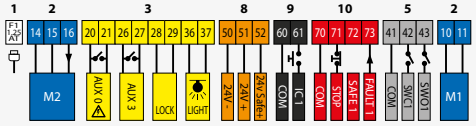
VERSIONS

Cp D113836 00002 - **Ci** 2607527
VEGA BTL2 QUADRO CPEL

Control panel for one or two overhead garage door operators.

Connecting diagram

D113836 00002 - VEGA BTL2 QUADRO CPEL



Legend
1: power supply
2: motor
3: aux
4: blinker
5: limit switch imputs
6: limit switch imputs / encoder
7: encoder imputs
8: accessories power supply
9: commands
10: safety devices
11: commands/safety devices
12: NTC
13: antenne

Cp **Code**
Ci **International code**

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

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receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

RIGEL

Universal control board with display for one or two swing or sliding door operators, 230V - 650+650W. Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators , weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.

	RIGEL 6 220-230V 50/60HZ	RIGEL 6 110-120V 50/60HZ
BASIC CHARACTERISTIS		
Maximum output	750 W	750 W
Board power supply	220-230 V	110-120 V
Max. n. transmitters	63	63
Programming	Display	Display
Power supply accessories	24V - 1A	24V - 1A
CONFIGURATION OF SAFETY INPUTS		
Light sensor	●	●
Safety edge	●	●
Resistive edge	●	●
Tested photocell	●	●
Tested safety edge	●	●
Stop	●	●
CONFIGURATION OF CONTROL INPUTS		
Start	●	●
Traffic light control	●	●
Open	●	●
Close	●	●
Pedestrian open	●	●
Open with timer	●	●
Pedestrian open with timer	●	●
OUTPUTS		
Blinker	230V - 80W	230V - 80W
Configurable AUX 1	●	●
Configurable AUX 2	●	●
Configurable AUX 3	●	●
Solenoid Lock	12V	12V
OUTPUTS CONFIGURATION		
Gate open warning light	●	●
Zone light	●	●
Electric release lock	●	●
Electric magnetic lock	●	●
Maintenance	●	●
Flashing + Maintenance	●	●
Gate status	●	●
Bistable radio channel	●	●
Time delay radio channel	●	●
Gate open alarm	●	●
Blinker	●	●
Stairs light	●	●
Courtesy light	●	●

VERSIONS

Cp D113833 00002 - **Ci** 2600589
RIGEL 6 220-230V 50/60HZ

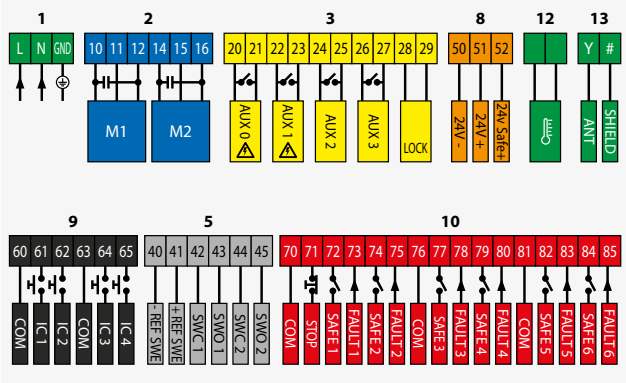
Universal control panel with display for one or two 230V - 650+650W operators

Cp D113833 00001 - **Ci** 2607525
RIGEL 6 110-120V 50/60HZ

Universal control panel with display for one or two 120V operators

Connecting diagram

D113833 00002 - RIGEL 6 220-230V 50/60HZ



ALENA

Control panel with dip switches and potentiometers for one or two 230V/400+400W operators used on swing gates and industrial folding doors with management of sensitive edges and security entry verification option. It can control the gate's slowing down both when opening and closing. It can also control the connection with an EBP electric lock or with an ECB (with additional ME card). The radio receiver has rolling code technology incorporated into it. The terminal boards are coloured and can be removed to make it easier to perform the wiring.

	ALENA SW2	ALENA SW2 120V
BASIC CHARACTERISTIS		
Maximum output	400+400 W	400+400 W
Board power supply	220-230 V	110-120 V
Max. n. transmitters	63	63
Programming	DIP+TRIMMER	DIP+TRIMMER
Power supply accessories	24V - 0,2A	24V - 0,2A
CONFIGURATION OF SAFETY INPUTS		
Light sensor	●	●
Safety edge	●	●
Resistive edge	●	●
Tested photocell	●	●
Tested safety edge	●	●
Stop	●	●
CONFIGURATION OF CONTROL INPUTS		
Start	●	●
Open	●	●
OUTPUTS		
Blinker	230V - 40W	230V - 40W
Configurable AUX 1		
Configurable AUX 2		
Configurable AUX 3		
Solenoid Lock		

VERSIONS

Cp D113811 00004 - **Ci** 2607514
ALENA SW2

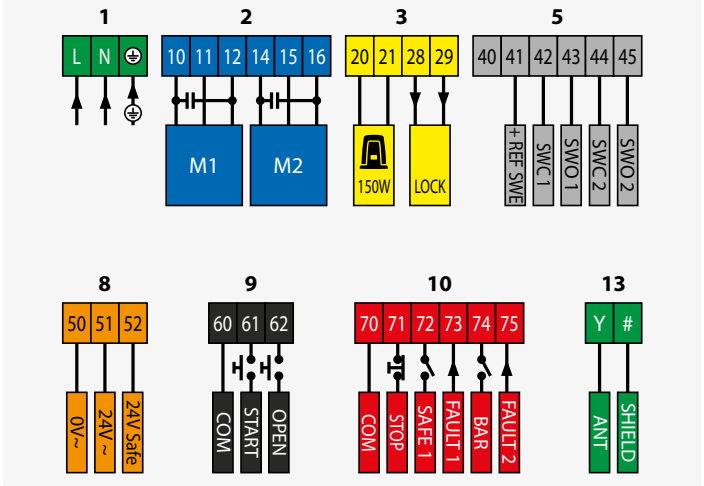
Control panel with slow-down, dip switches and potentiometers for one or two 230V 400W+400W, operators for swing gates and industrial folding doors

Cp D113811 00003 - **Ci** 2607513
ALENA SW2 120V

ALENA SW2 120V control panel

Connecting diagram

D113811 00004 - ALENA SW2



Legend
1: power supply
2: motor
3: aux
4: blinker
5: limit switch imputs
6: limit switch imputs / encoder
7: encoder imputs
8: accessories power supply
9: commands
10: safety devices
11: commands/safety devices
12: NTC
13: antenne

Cp **Code**
Ci **International code**

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

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activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

SHYRA

Control panel with dip switches and potentiometers for one or two 230V/500W operators used on sliding and swing gates, shutters and overhead doors with the management of up to two sensitive edges (one of which type 8K2). The dual-channel radio receiver is incorporated. With the potentiometers, we can manage not only the automatic closing time but also the strength of the gates and slowing down time. Functions include the pedestrian opening (only remote controlled), fast closing and the pulse blocking function. The detection of faults is done via LED.

	SHYRA CPEM	SHYRA CPEM 120V
BASIC CHARACTERISTIS		
Maximum output	500 W	500 W
Board power supply	220-230 V	120 V
Max. n. transmitters	63	63
Programming	DIP+TRIMMER	DIP+TRIMMER
Power supply accessories	24V - 0,2A	24V - 0,2A
CONFIGURATION OF SAFETY INPUTS		
Light sensor	●	●
Safety edge	●	●
Resistive edge	●	●
Tested photocell	●	●
Tested safety edge	●	●
Stop	●	●
CONFIGURATION OF CONTROL INPUTS		
Start	●	●
Open	●	●
OUTPUTS		
Blinker	230V - 40W	230V - 40W
Solenoid Lock		

VERSIONS

Cp D113802 00002 - **Ci** 2607509
SHYRA CPEM

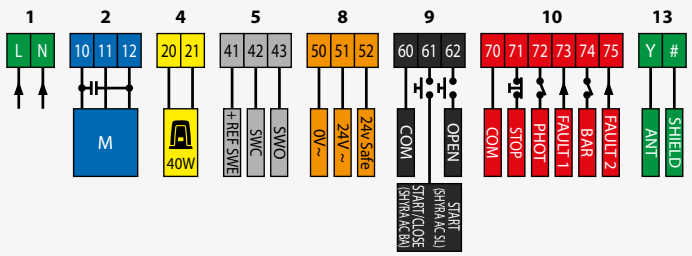
Control panel for sliding and swing gates, shutters and overhead doors. Panel power supply: 230 V, single-phase

Cp D113802 00001 - **Ci** 2614561
SHYRA CPEM 120V

Control panel for sliding and swing gates, shutters and overhead doors. Panel power supply: 120 V, single-phase.

Connecting diagram

D113802 00002 - SHYRA CPEM



ALCOR

Control panel with dip switches and potentiometers for one or two 230V300W operators used on swing gates, with management of sensitive edges and security entry verification option. It can also control the connection with an EBP electric lock or with an ECB (with additional ME card). The radio receiver has rolling code technology incorporated into it. The terminal boards are coloured and can be removed to make it easier to perform the wiring.

	ALCOR AC A	ALCOR AC A 120V
BASIC CHARACTERISTIS		
Maximum output	750 W	750 W
Board power supply	220-230 V	110-120 V
Max. n. transmitters	63	63
Programming	DIP+TRIMMER	DIP+TRIMMER
Power supply accessories	24V - 0,2A	24V - 0,2A
CONFIGURATION OF SAFETY INPUTS		
Light sensor	●	●
Safety edge	●	●
Resistive edge	●	●
Tested photocell	●	●
Tested safety edge	●	●
Stop	●	●
CONFIGURATION OF CONTROL INPUTS		
Start	●	●
Open	●	●
OUTPUTS		
Blinker	230V - 40W	230V - 40W
Configurable AUX 1		
Configurable AUX 2		
Configurable AUX 3		
Solenoid Lock		

VERSIONS

Cp D114092 00002 - **Ci** 2601365
ALCOR AC A

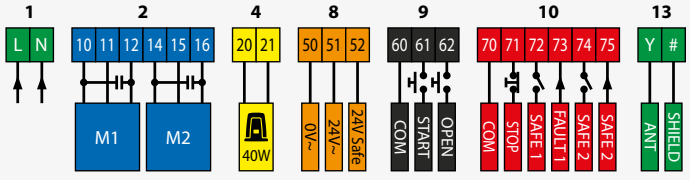
Control unit with on-board receiver - no display - Standard terminal block

Cp D114092 00001 - **Ci** 2607535
ALCOR AC A 120V

Control panel with dip switches and potentiometers for one or two 120V/300W operators for swing gates

Connecting diagram

D114092 00002 - ALCOR AC A



Legend
1: power supply
2: motor
3: aux
4: blinker
5: limit switch imputs
6: limit switch imputs / encoder
7: encoder imputs
8: accessories power supply
9: commands
10: safety devices
11: commands/safety devices
12: NTC
13: antenne

Cp Code
Ci International code

U-Link
New
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safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

PERSEO

Control panel with display for one or two 230V used on electromechanical or hydraulic parking bollards. It can deal with up to four bollards simultaneously (or two in the case of the Xpass 1200 models) and has configurable outputs and a connector for a 433 MHz radio receiver with optional 2048 code memory.

	PERSEO CBE 230.P SD	PERSEO O
BASIC CHARACTERISTIS		
Maximum output	350 W	350 W
Board power supply	220-230 V	N/A V
Max. n. transmitters	2048	NO
Programming	Display	DIP+TRIMMER
Power supply accessories	24V - 1A	24V - 1A
CONFIGURATION OF SAFETY INPUTS		
Light sensor	●	●
Stop	●	●
CONFIGURATION OF CONTROL INPUTS		
Start	●	●
Open	●	●
Close	●	●
Configurable input	●	
OUTPUTS		
Blinker	24V - 0,5A	230V - 5A
Configurable AUX 1	24V - 0,5A	
Configurable AUX 2		
Configurable AUX 3		
Solenoid Lock		
Alarm		
Courtesy Light		
OUTPUTS CONFIGURATION		
Gate open warning light		
Courtesy light		
Gate open alarm		
Electric magnetic lock		
Maintenance	●	
Flashing + Maintenance		
Tamper-proof		
Gate status		
Bistable radio channel		
Time delay radio channel		
Photocell response	●	
Obstacle detection (hydraulic only)	●	
Encoder response		
PDM contact activated	●	
Bar closed		
Bar open		
Stop contact activated	●	
Pre-flashing	●	
Bar lock		
Open contact activated	●	
Close contact activated	●	
Start contact activated	●	
FRAC contact		
UPS contact	●	
Contact according to radio channel	●	
bollard raised	●	
bollard lowered	●	
Black out	●	
Buzzer	●	
ECD pressure switch not functioning	●	
FCC sensor not functioning	●	
Alarm		●
Zone light		
Blinker		
Stairs light		
Electric release lock		

VERSIONS

Cp D113812 00002 - **Ci** 2600139
PERSEO CBE 230.P SD

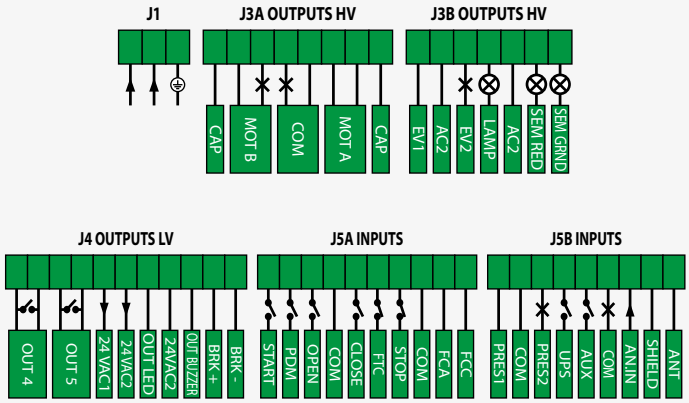
Control unit with built-in U-Link, receiver and heating circuit (up to -40°C) for electromechanical and hydraulic bollards. You can manage up to 4 bollards at the same time (maximum 1 XPASS 330/1200 or 2 XPASS B 275/800 EFO)

Cp D113653 00007 - **Ci** 2607446
PERSEO O

Control unit for Stoppy O. Can manage up to 4 bollards at the same time. Receiver not included

Connecting diagram

D113812 00002 - PERSEO CBE 230.P SD



Legend
1: power supply
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5: limit switch imputs
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7: encoder imputs
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9: commands
10: safety devices
11: commands/safety devices
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Cp **Code**
Ci **International code**

U-Link
New
Phase-out

EasyAxs: P. 282

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safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

LEO

Control panel wit display for a 230V/750W operator used on sliding gates, industrial sectional doors and automatic barriers, with obstacle detection function achievable with sensitive edge or BFT encoder. The command inputs can be configured, the radio receiver has rolling code technology incorporated into it and the terminal boards are coloured and can be removed to make it easier to perform the wiring.

	LEO B CBB W01	LEO B CBB L01
BASIC CHARACTERISTIS		
Maximum output	980 W	750 W
Board power supply	380-400 V	220-230 V
Programming	Display	Display
Power supply accessories	24V - 0,36A	24V - 0,36A
CONFIGURATION OF SAFETY INPUTS		
Light sensor	●	●
Safety edge	●	●
Resistive edge	●	●
Tested photocell	●	●
Tested safety edge	●	●
Stop	●	●
CONFIGURATION OF CONTROL INPUTS		
Start	●	●
Traffic light control	●	●
Open	●	●
Close	●	●
Pedestrian open	●	●
Open with timer	●	●
Pedestrian open with timer	●	●
OUTPUTS		
Blinker	230V - 40W	230V - 40W
Configurable AUX 1		
Configurable AUX 2		
Configurable AUX 3	24V - 3W	24V - 0,125A
Solenoid Lock		
Alarm		
Courtesy Light		
OUTPUTS CONFIGURATION		
Gate open warning light	●	
Courtesy light	●	
Gate open alarm	●	
Electric release lock	●	
Blinker	●	
Flashing + Maintenance	●	
Maintenance	●	
Electric magnetic lock	●	
Bistable radio channel		
Zone light	●	
Gate status		
Tamper-proof		
Time delay radio channel		
Stairs light	●	
Obstacle detection (hydraulic only)		
Bar open		
Stop contact activated		
Pre-flashing		
Bar lock		
Open contact activated		
Close contact activated		
PDM contact activated		
Start contact activated		
FRAC contact		
Encoder response		
Photocell response		
Contact according to radio channel		
UPS contact		
bollard lowered		
Black out		
ECD pressure switch not functioning		
Alarm		
Bar closed		
FCC sensor not functioning		
Buzzer		
bollard raised		

VERSIONS

Cp D113777 00002 - **Ci** 2607501
LEO B CBB L02

Incorporated control unit for one 230V operator for sliding gates

Cp D113768 00002 - **Ci** 2600248
LEO B CBB W01

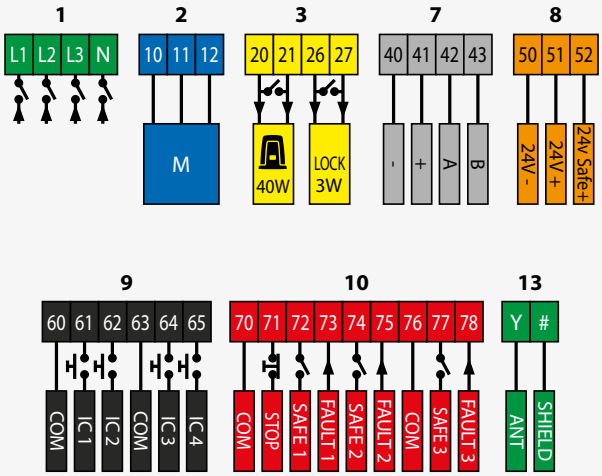
Control board for PEGASO CJA three-phase operators

Cp D113767 00002 - **Ci** 2607497
LEO B CBB L01

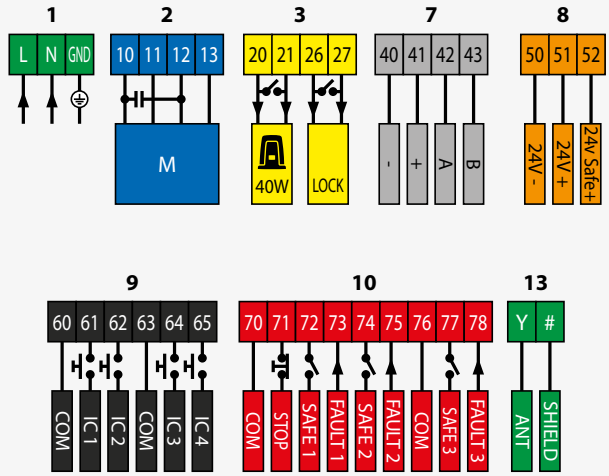
U-Link control board for Pegaso B Cja single-phase operators

Connecting diagram

D113768 00002 - LEO B CBB W01



D113767 00002 - LEO B CBB L01



Legend
1: power supply
2: motor
3: aux
4: blinker
5: limit switch imputs
6: limit switch imputs / encoder
7: encoder imputs
8: accessories power supply
9: commands
10: safety devices
11: commands/safety devices
12: NTC
13: antenne

Cp **Code**
Ci **International code**

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
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activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

LUNA AC B

Control board for 230V and 1200W operator for rolling shutters with maximum manoeuvrable power supply. Main characteristics: Dedicated output for the blinker, availability of open, start, photocell and safety edge (tested) inputs, antenna and receiver integrated Logic and regulations: adjustable working time, option of selecting the kind of safety edge (N.C. contact/8K2 resistance) selectable, wireless memorizing of transmitters CLONE and REPLAY, operation in line with 2 or 4 step logic, exclusion of photocell active when opening, hold to run mode available.

	LUNA AC B 230V 50/60HZ	LUNA AC B 120V 50/60HZ
BASIC CHARACTERISTIS		
Maximum output	1200 W	1200 W
Board power supply	220-230 V	110-120 V
Max. n. transmitters	63	63
Programming	DIP+TRIMMER	DIP+TRIMMER
Power supply accessories	24V - 0,07A	24V - 0,07A
CONFIGURATION OF SAFETY INPUTS		
Light sensor	●	●
Safety edge	●	●
Resistive edge	●	●
Tested safety edge	●	●
Stop	●	●
CONFIGURATION OF CONTROL INPUTS		
Start	●	●
Open	●	●
Close	●	●
OUTPUTS		
Blinker	230V - 80W	230V - 80W

VERSIONS

Cp D114183 00002 - **Ci** 2612342
LUNA AC B 230V 50/60HZ

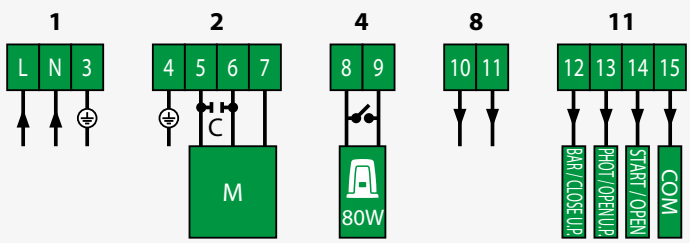
Control board for 230V and 1200W operator for rolling shutters.

Cp D114183 00001 - **Ci** 2607547
LUNA AC B 120V 50/60HZ

Control board for rolling shutters. 120V voltage and a maximum power supply of 1200W

Connecting diagram

D114183 00002 - LUNA AC B 230V 50/60HZ
D114183 00001 - LUNA AC B 120V 50/60HZ



SHEDIR

230V/1200W power supply board that allows for up to 2 engines for shutters or engine units to be controlled using a three-position diverter.

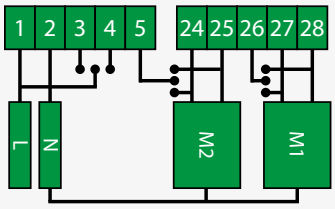
VERSIONS

Cp P111515 - **Ci** 2611267
SHEDIR B CBC 02 L01

Control unit for wired centralisation. For 2 operators (or 2 groups of operators)

Connecting diagram

P111515 - SHEDIR B CBC 02 L01



Legend
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9: commands
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11: commands/safety devices
12: NTC
13: antenne

PROXIMA

VERSIONS

Cp P111465 - **Ci** 2611260
PROXIMA BLUE

Universal handheld programmer for control units, receivers and remote controls with BLUETOOTH technology

Table compatible Operators / Control Boards

SUGGESTED = ●
COMPATIBLE = ■
INCORPORATED = ✪

		RIGEL 6	ALCOR AC A	ALENA SW2	THALIA BT A80	THALIA	THALIA P	ZARA BT L2	ZARA BT A80	LIBRA CB HIDE	SHYRA CPEM	LINX	HAMAL	MERAK	SHYRA AC	SHIRA-F AC	LEO B CBB L02	SIRIO CBB	VENERE B GDA	VENERE BT A ETD	VENERE BT A DIS	VENERE	VENERE D	VEGA	VEGA QUADRO QSG	VENERE D ARGO	LUNA AC B	SCHEDIR	LEO B CBB 01	ARIA EVO	CSB XT	CSB	MERAK BM	MERAK BG	SHYRA AC BA 230	LEO MV D	LOG-BC	PERSEO CBE 230.P SD	PERSEO O
ELECTROMECHANICAL AUTOMATION SYSTEMS FOR SWING GATES	PHOBOS AC A	●		■																																		
	PHOBOS BT A				●	●	■	■	■																														
	PHOBOS BT B				●				■																														
	KUSTOS BT A				●	●	■	■	■																														
	KUSTOS BT B				●				■																														
	KUSTOS ULTRA BT A				●	●	■																																
	VIRGO SMART BT A				✪	✪																																
	IGEA BT				●	●	■																																
	IGEA	●		■																																		
	HIDE SW									●																												
	E5 N	●	■								■																											
	E5 BT A12/18				●	●																																
	ELI BT A40				●	●	■																															
	ELI BT A35V				●	●																																
	ELI AC A35/40	●		■																																		
HYDRAULIC AUTOMATION SYSTEMS FOR SWING GATES	GIUNO ULTRA BT A				■	■	●																															
	ORO	●	■	■																																		
	LUX	●	■	■																																		
	P7 / P4,5	●	■	■																																		
	SUB BT				■	■	●																															
	SUB	●	■	■																																		
SLIDING GATE AUTOMATION SYSTEMS	DEIMOS BT A												✪																									
	DEIMOS ULTRA BT A													✪																								
	DEIMOS AC A600														✪																							
	DEIMOS AC A800															✪																						
	ARES BT A												✪																									
	ARES ULTRA BT A													✪																								
	ICARO SMART AC A																✪																					
	ICARO ULTRA AC A																✪																					
	SP3500																	✪																				
AUTOMATION SYSTEMS FOR GARAGE DOORS	TIZIANO																		✪																			
	BOTTICELLI BT A																			✪																		
	BOTTICELLI SMART BT A																				✪																	
	BOTTICELLI																					✪																
	BOTTICELLI 800																						✪															
	EOS 1200																						✪															
	PHEBE BT A																							✪														
	PHEBE BT A SQ																								●													
	ARGO																									✪												
	BERMA	●	■								■																											
ROLLER SHUTTERS	REEL EASY RUA																											■										
AUTOM. FOR SHUTTER DOORS	WIND RM																										■	■										
AUTOM. SYST. FOR INDUS. SECTIONAL DOORS FOLDING DOORS	PEGASO B CJA AUTO																												●									
	FORB	●																																				
	IGEA LB BT					■	●																															
	IGEA LB	●		■																																		
AUTOMATION SYSTEMS FOR AUTOMATIC PEDESTRIAN DOORS	VISTA SL																													✪								
	VISTA SL E																													✪								
	VISTA TL																													✪								
AUTOMATIC BARRIERS - ROAD BARRIERS	MAXIMA ULTRA																														✪							
	MAXIMA																															✪						
	MICHELANGELO BT A																																✪					
	GIOTTO BT A																																	✪				
	MOOVI																																		✪			
	MOOVI RMM																																			✪		
	MOOVI S																																			✪		
PARKING AND TRAFFIC BOLLARDS	PILLAR B																																				●	
	STOPPY MBB																																				●	
	STOPPY OMOLOGATO																																					●
	STOPPY B																																				●	
ANTI-TERRORISM BOLLARDS	XPASS B																																				●	

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
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Generic accessories

ACCESSORIES FOR CONTROL UNITS

new **Cp** D223237 00001 - **Ci** 2614189
CBOX FLAT

Panel box for control units. Dimensions 290 x 197 mm depth 123 mm.

new **Cp** D223237 - **Ci** 2614188
CBOX DUO

Panel box for central control units with dual worktop. Dimensions 290 x 197 mm depth 123 mm.

Cp D223066 - **Ci** 2600596
CPEM

Control panel box for control units. Dimensions 195x237 mm depth 100 mm

Cp D223072 - **Ci** 2600545
CPEL

Large control panel box for control units. Dimensions 315x218 mm depth 125 mm

Cp N999070 - **Ci** 2611117
SFQ

Set of SD and QSG panel fixing brackets

Cp N999369 - **Ci** 2611219
CP SD

Set of cable clamps for SD panel

ACCESS CONTROL

Cp D113671 00002 - **Ci** 2600577
RTD CA 2048

Four-channel rolling code receiver with 2048 codes and built-in programming display. Usable with COMPASS

Cp D110912 - **Ci** 2600122
COMPASS - CUSTOM ISOCARD

ISO standard proximity badge

Cp D110914 - **Ci** 2600568
COMPASS - RING

Key-ring transponder for access control

Cp P121025 - **Ci** 2600835
Q.BO PAD

Vandalproof digital push-button panel, for outdoor use. Metal structure and s/steel buttons. Compatible with WIEGAND protocol, it ensures maximum system safety as it does not directly control the opening of the entry point. Combines with a WIEGAND receiver.

Cp D113704 - **Ci** 2600490
COMPASS SLIM

Reader head with IP55 protection rating.

SET OF BATTERIES FOR CONTROL UNITS

Cp P125047 - **Ci** 2611436
BT BAT 3

Built-in penlight battery for Botticelli BT A for emergency operation. Enables 2 movements to be made. Max. duration 12 hours in standby mode in the event of a prolonged power cut.

new **Cp** P125053 - **Ci** 2614987
BBT BAT CBOX FLAT

Emergency battery kit for FLAT series panels, complete with dedicated box, wiring and power supply card. Version for external installation, next to the control panel.

new **Cp** P125052 - **Ci** 2614986
BBT BAT CBOX DUO

Emergency battery kit for DUO series panels, complete with wiring and power supply card. Version for installation inside the box.

Cp P125008 - **Ci** 2600839
VIRGO BAT

Set of backup batteries for VIRGO

Cp P125005 - **Ci** 2600078
BT BAT

Back-up battery kit for HYDRA N, ARGO, VENERE BT A DIS

Cp P125007 - **Ci** 2611424
BT BAT1

Emergency battery kit for HYDRA N CPEL, only for external board not compatible with board on motor

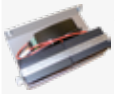
SET OF BATTERIES FOR CONTROL UNITS

Cp P125038 - **Ci** 2605265
MCL BT A BAT KIT

Set of backup batteries for MICHELANGELO BT A barriers

Cp P975005 - **Ci** 2601390
BATT-EB

Backup battery kit to allow bollards to stay up in case of no power



Cp P111768 - **Ci** 2607186
BBV BATT MODULO VISTA SL

Set of backup batteries for VISTA SL

Cp P125002 - **Ci** 2600921
SB BAT

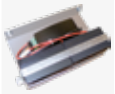
SB BAT emergency battery kit for DEIMOS BT

Cp P125009 - **Ci** 2600840
BT BAT2

Set of backup batteries for ARES

Cp P120074 - **Ci** 2607202
GIOTTO M BG BAT KIT

Buffer battery kit for Giotto BT A series barrier



Cp P111503 - **Ci** 2600476
BBV SLC TL

Battery powered anti-panic device for VISTA SL C, TL

Cp P125020 - **Ci** 2600844
BBT BAT

Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE

Cp P125035 - **Ci** 2600845
SL BAT2

Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.

B-EBA - EXPANSION BOARDS

Cp P111494 - **Ci** 2600812
B EBA WI-FI GATEWAY

Expansion card for connecting a U-Link device to a domestic wifi network. Connected operators can be controlled, even remotely, using the U-Control application available for Android and iOS smartphones.

Cp P111376 - **Ci** 2601005
SCS 1

Expansion card

Cp P111535 - **Ci** 2611304
BEBA Z-WAVE DRIVER

Expansion card for connection with Z-Wave wireless protocol

Cp P111377 - **Ci** 2611247
SCS 1 MA

Board for connection to more than two checked photocell copies for DEIMOS BT and ARES While stocks last

Cp P111399 - **Ci** 2611241
IT23

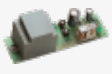
Connection interface for CELLULA RFL in accordance with EN12453 Standard

Cp D111704 - **Ci** 2607294
SSR5

Control card traffic light or pre-heating hydraulic motors AC with Rigel 5

Cp D113727 - **Ci** 2600582
TLB

Traffic-light management board for THALIA, THALIA P and LEO CBB.



Cp D111013 - **Ci** 2607261
ME

Control board for 12Vac solenoid lock for 230V automation systems

Cp D111761 - **Ci** 2600083
ME BT

Control board for 24Vac solenoid lock for 24V automation systems

Cp P111400 - **Ci** 2611242
FLC 8K2

Interface for connecting one or more 8K2 type edges

B-EBA - EXPANSION BOARDS

Cp P111449 - **Ci** 2600807
RAU

Wired connection board for BFT plug-in receivers

Cp P111469 - **Ci** 2611272
B EBA BLUE GATEWAY

Expansion board for BLUETOOTH connection management

Cp P111466 - **Ci** 2600810
B EBA INPUT/OUTPUT

INPUT/OUTPUT expansion board

Cp P111467 - **Ci** 2611262
B EBA WIE INPUT/OUTPUT

Expansion card for connection of WIEGAND accessories, compatible with U-Link control units

Cp P111468 - **Ci** 2600811
B EBA RS 485 LINK

Expansion board for connection of central units with serial controls management

Cp D111501 - **Ci** D111501
ME110

Cp D113805 00002 - **Ci** 2607511
B EBA TCP/IP GATEWAY

Gateway expansion card to connect automation systems in TCP/IP networks via U-Link slot. It manages up to 120 U-Link devices connected via B EBA RS-485 Link.

Cp P111530 - **Ci** 2611273
B EBA RS 485 GATEWAY

GATEWAY expansion card for management of RS 485 connection

new **Cp** P111821 - **Ci** 2614326
EBD

Inputs and outputs expansion card for Thalia BT A card. Includes two command inputs and four non-programmable security inputs.

new **Cp** P111822 - **Ci** 2614334
EBT

Input and output expansion card for ZARA BT A. Includes two outputs, two command inputs and four non-programmable security inputs.

new **Cp** P111826 - **Ci** 2616158
REM 2048

2048-Position memory for control unit, ideal for installations with large numbers of people.

SOFTWARE

Cp P111514 00002 - **Ci** 2611265
U-SDK FULL 2

Software for easy integration of U-Link automation with external systems. U-SDK is an interpreter that allows system integrators easy and rapid implementation of U-Link commands via short simplified strings. Full license for 2 systems

Cp P111510 - **Ci** 2600991
U-BASE 2 PC

Management and programming software for Bft control units and receivers. Version for PC, Bluetooth connection

Cp P111513 00008 - **Ci** 2611264
U-SDK LIGHT 8

Software for easy integration of U-Link automation with external systems. U-SDK is an interpreter that allows system integrators easy and rapid implementation of U-Link commands via short simplified strings. Light license for 8 systems

new **Cp** P111514 00008 - **Ci** 2611266
U-SDK FULL 8

Software for easy integration of U-Link automation devices with external systems. U-SDK is an interpreter that allows system integrators to easily and rapidly implement U-Link commands via short simplified strings. Full licence for 8 plants

new **Cp** P111513 00002 - **Ci** 2613283
U-SDK LIGHT 2

Software for easy integration of U-Link automation devices with external systems. U-SDK is an interpreter that allows system integrators to easily and rapidly implement U-Link commands via short simplified strings. Light licence for 2 plants

RECEIVERS

Cp D113807 00002 - **Ci** 2600587
CLONIX 2E AC U-LINK 230

433 MHz external receiver, compatible with U-LINK protocol (features 3 connection ports). 230 V Power supply, can store up to 2,048 remote controls

Cp D113808 00003 - **Ci** 2607512
CLONIX UNI AC U-LINK 230V

433 MHz external receiver via 3 outputs: 2 with NO contact and one with configurable NO/NC contact. Compatible with U-LINK protocol (features 3 connection ports). Power supply, 230 V, can store up to 2,048 remote controls

Cp D111662 - **Ci** 2600152
CLONIX 2

Two-channel receiver with plug 433 MHz rolling code. 128 position memory. 24 Vac power supply.

Cp D111664 - **Ci** 2600153
CLONIX 2 2048

Dual channel 433 MHz rolling code plug-in receiver. 2048-position memory 24 Vdc Vac power supply.

Cp D113674 00001 - **Ci** 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24 Vpower supply.

Cp D113718 00002 - **Ci** 2600581
CLONIX 4 RTE

External 4-channel 433 MHz rolling code receiver. 230 V power supply.

Cp D113670 00002 - **Ci** 2600155
RTD 2048

Rolling code four-channel receiver 433 MHz with built-in programming display. Power supply 230 V, remote control block programming

Cp D111713 00001 - **Ci** 2600156
MOP

Accessory for adding an output channel to RTD

Cp D113632 - **Ci** 2600151
AEL 433

Antenna for 433 MHz radio remote control with 4 m cable

Cp P111449 - **Ci** 2600807
RAU

Wired connection board for BFT plug-in receivers

TRANSMITTERS

new **Cp** D112306 - **Ci** 2614118
MITTO COOL C2

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** N999800 - **Ci** 2614119
MITTO COOL C2 10 PZ

2-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue. Minimum quantity 10 items.

new **Cp** D112318 - **Ci** 2614120
MITTO COOL C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue.

new **Cp** N999801 - **Ci** 2614146
MITTO COOL C4 10 PZ

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Blue. Minimum quantity 10 items.

new **Cp** D112318 00002 - **Ci** 2614317
MITTO COOL C4 YELLOW

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Yellow.

new **Cp** D112318 00001 - **Ci** 2614319
MITTO COOL C4 GREY

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Grey.

new **Cp** D112318 00003 - **Ci** 2614321
MITTO COOL C4 WHITE

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. White.

new **Cp** N999802 - **Ci** 2614316
MITTO COOL C4 PAINT

Pack of 4 MITTO transmitters in 4 BFT colours: blue, yellow, grey and white.

new **Cp** D112307 - **Ci** 2614117
MITTO STYLE C4

4-Channel transmitter. 50/100 m range. 3V power supply with 1 CR2032 type battery. Black with chrome keyring loop.

Ph. Out **Cp** D111904 - **Ci** 2600534
MITTO B RCB02 R1

Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A

Generic accessories

Cp **Code**
Ci **International code**

U-Link
new New
Ph. Out Phase-out

EasyAxs:
P. 282

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TRANSMITTERS

Cp D111888 - **Ci** 2607300
KLEIO B RCA02 R1

Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A

Ph. Out **Cp** D111905 - **Ci** 2600573
MITTO B RCB02 R2 REPLAY

Copyable transmitter 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A.

Ph. Out **Cp** N999542 - **Ci** 2611121
MITTO B RCB02 R3 2CH 100PZ

Transmitter 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Pack of 100pcs numbered for block memorisation.

Ph. Out **Cp** D111907 - **Ci** 2607347
MITTO B RCB04 R2 REPLAY

Copyable transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A.

Ph. Out **Cp** N999629 - **Ci** 2611137
MITTO B RCB04 R6 RAINBOW

Pack of four MITTO 4 transmitters in the four BFT colours: vineyard red sunrise yellow clear ice white deep sea blue

Ph. Out **Cp** D111946 - **Ci** 2607366
MITTO B RCB04 R1 SUNRISE

Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Colour: sunrise yellow

Ph. Out **Cp** N999521 - **Ci** 2611120
CLIP1 B 00 R03

Clip for hooking KLEIO B RCA and MITTO B RCB series remote controls to belt or sun visor. Supplied in pack of 30pcs

Cp P121024 - **Ci** 2600834
Q.BO TOUCH

Wireless digital touch button panel 433 MHz rolling code. Combines with control units fitted with built-in Bft receivers or external Bft receivers.

Cp D111890 - **Ci** 2600572
KLEIO B RCA04 R1

Transmitter with 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A

Ph. Out **Cp** D111906 - **Ci** 2600535
MITTO B RCB04 R1

Transmitter with 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A

Ph. Out **Cp** N999543 - **Ci** 2611124
MITTO B RCB04 R3 4CH 100PZ

Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Pack of 100pcs numbered for block memorisation.

Ph. Out **Cp** D111945 - **Ci** 2607364
MITTO B RCB04 R1 VINEYARD

Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Colour: vineyard red

Ph. Out **Cp** D111947 - **Ci** 2607370
MITTO B RCB04 R1 CLEAR ICE

Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Colour clear ice white. Buttons panel can be customised with own design/logo.

Cp N999522 - **Ci** 2600797
CLIP B 00 R04

Wall mounting clip for KLEIO B RCA and MITTO B RCB remote controls. 30 unit pack

CONTROL DEVICES

Cp P121024 - **Ci** 2600834
Q.BO TOUCH

Wireless digital touch button panel 433 MHz rolling code. Combines with control units fitted with built-in Bft receivers or external Bft receivers.

Cp P121022 - **Ci** 2601396
Q.BO KEY WM

Key selector for outdoor use with double contact.

Cp P121023 - **Ci** 2600833
Q.BO KEY WM AV

Vandalproof key selector with metal structure.

Cp D110926 00001 - **Ci** 2600569
SPIRA 2X1

Magnetic loop 2 x 1 m

Cp P111274 - **Ci** 2611230
RME 1 BT

24 V single channel metal object detector with installation base

Cp P111001 00003 - **Ci** 2611209
RME 2

230 V dual channel metal object detector with installation base

CONTROL DEVICES

Cp P121025 - **Ci** 2600835
Q.BO PAD

Vandalproof digital push-button panel, for outdoor use. Metal structure and s/steel buttons. Compatible with WIEGAND protocol, it ensures maximum system safety as it does not directly control the opening of the entry point. Combines with a WIEGAND receiver.

Cp D121611 - **Ci** 2607568
SPC

External button panel with 2 start-stop buttons.

Cp D121612 - **Ci** 2607569
SPC2

External button panel with 2 open-close buttons.

Cp D121619 - **Ci** 2607571
SPC3

Open stop close button panel.

Cp D121011 - **Ci** 2607550
LCM

Magnetic key reader. For column mounting - see mod. CLC

Cp N574039 - **Ci** 2610798
BOX

Wall cabinet for release with steel cable and electric control; cable not included

Cp N733036 - **Ci** 2610888
MOX

External release system to be inserted in SIBOX safe

Cp - **Ci** 2611471
PHP3

single aluminium column for Q.bo series selectors. Height 1038 mm

Cp P903030 - **Ci** 2611473
PHP4 A

Pair of aluminum posts of different heights, for Q.bo series selectors and THEA, DESME and COMPACTA series photocells. Column for selector: height 1038 mm, column for photocells: height 552 mm

ACTIVATION SENSORS AUTOMATIC DOORS AND SECURITY

Cp P111405 - **Ci** 2611245
REMOTE CONTROL

Remote control for adjusting and setting FALCON, EAGLE ONE and ACTIVE8

Cp P111407 - **Ci** 2601360
FALCON

Industrial presence sensor installable up to 7 m.

Cp P111662 - **Ci** 2611321
VIO-M

Compact mono-directional activation sensor

Cp P111325 - **Ci** 2602689
RIP - Price available on request

Multi-function active infrared radar, wide/narrow range

Cp P111653 - **Ci** 2611314
VIO-DT2

Safety and bi-directional activation sensor, dual technology, monitored

Cp P111654 - **Ci** 2611315
VIO-DT1

Safety and mono-directional activation sensor, dual technology, monitored

Cp P111406 - **Ci** 2611246
SPOTFINDER

IR curtain detector

Cp P111655 - **Ci** 2611316
IXIO-DT1

Safety and mono-directional activation sensor, dual technology, monitored, programmable c.telecom.

Cp P111656 - **Ci** 2611317
VIO-ST

Infrared safety sensor, monitored

Cp P111657 00001 - **Ci** 2611318
4SAFE IR SAFETY SENSOR MONIT.SW/1MOD/700

Monitored IR safety sensor for side-hung leaves, 1 module, 700 mm

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

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ACTIVATION SENSORS AUTOMATIC DOORS AND SECURITY

Cp P111657 00002 - **Ci** 2611319
4SAFE IR SAFETY SENSOR MONIT.SW/2MOD/700

Monitored IR safety sensor for side-hung leaves, 2 modules, 700 mm

Cp P111657 00003 - **Ci** 2611320
4SAFE IR SAFETY SENSOR MONIT.SW/2MOD/900

Monitored IR safety sensor for side-hung leaves, 2 modules, 900 mm

SIGNALLING DEVICES

Cp D114094 00003 - **Ci** 2607541
RADIUS LED BT A R0

Flashing light without incorporated antenna for motors with 24 V power supply.

Cp D114093 00003 - **Ci** 2607539
RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.

Cp D114168 00003 - **Ci** 2607544
RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.

Cp D114094 00002 - **Ci** 2607540
RADIUS LED AC A R0

Flashing light without incorporated antenna for motors with 230 V power supply.

Cp D114093 00002 - **Ci** 2607538
RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.

Cp P123025 - **Ci** 2600837
B 00 R02

Wall mounting for B LTA series flashing beacons

SAFETY DEVICES - PHOTOCELLS AND ACCESSORIES

Cp P111528 - **Ci** 2601272
THEA A15 O.PF

Pair of adjustable photocells with integrated flashing light. Possibility of directing the beam 40 ° horizontally and 10 ° vertically. IR signal synchronised to prevent any risk of blinding. Range 30 m. Power supply 24 V ac/dc. For external application.

Cp P111714 - **Ci** 2600815
THEA A15 O.PF UNI

Pair of self-aligning photocells. Range 30 m. Power supply 24 V ac/dc. Pair of universal photocells suitable for non-BFT automation systems, adjustable with integrated flashing light. Synchronised infrared signal to avoid any possibility of accidental dazzling. For external application. Beam can be oriented 40° horizontally and 10° vertically. Range 30 m. Power supply 24 V ac/dc.

Cp P111782 - **Ci** 2601411
COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

Cp P111526 - **Ci** 2600547
DESME A15

Pair of self-aligning photocells. Range 30 m. Power supply 24 V ac/dc.

Cp P111536 - **Ci** 2600813
AKTA A30

Pair of photocells adjustable 180 ° horizontally and 20 ° vertically. Range 30 m. Power supply 24 V ac/dc.

Cp P111537 - **Ci** 2600814
ERIS A30

Pair of wireless photocells with the possibility of management of an active infrared or resistive safety edge adding STR and BIR C or BAR C profiles.

Ph Out **Cp** P111272 - **Ci** 2611228
CELLULA 50

Pair of built-in adjustable photocells (range 30 m) Power supply 24 V ac

Cp P111391 - **Ci** 2600228
CELLULA RFL

Reflective photocell for external application (range 12 m) Power supply 24 V ac/dc (requires S RFLP P111409)

Cp P903028 - **Ci** 2600992
PHP A

Pair of aluminium posts for THEA, DESME and COMPACTA series photocells Height 522 mm

Cp P903029 - **Ci** 2601357
PHP2 A

Pair of double aluminium posts for THEA, DESME and COMPACTA series photocells. Height 1038 mm

Cp P903022 - **Ci** 2611470
PHP BI

Dual-face adapter for THEA/DESME photocells

Cp P903020 - **Ci** 2611468
APL

Pair of foundation plates for PHP posts

Cp P903025 - **Ci** 2600848
PHP ADA

Pair of adapters for the installation of AKTA photocells on PHP posts

Cp P903023 - **Ci** 2604488
PHP BA1

Support for mounting THEA/DESME photocells on Giotto, Moovi and Michelangelo enclosures

Cp P111409 - **Ci** 2601020
S RFLP

Reflector for CELLULA RFL reflective photocell.

Cp P903013 - **Ci** 2611463
CC RFL

CELLULA RFL and S RFLP mounting support on CC posts

Ph Out **Cp** D221573 - **Ci** 2607816
CCI

Recessed container for CELLULA 50 and INTRO.

Cp P903014 - **Ci** 2611464
CM RFL

CELLULA RFL wall mounting support

Cp P903024 - **Ci** 2600847
ACV20

Vandal-proof protection for DESME photocells

Cp P111538 - **Ci** 2611353
ACV30

Vandal-proof protection for AKTA photocells

Cp P111399 - **Ci** 2611241
IT23

Connection interface for CELLULA RFL in accordance with EN12453 Standard

Cp N999465 - **Ci** 2600425
DCW BAT

Pack of 12 batteries for photocell safety edge, compatible with DCW, TANGO, ERIS A30

Cp P111812 - **Ci** 2613388
MURA A30

Pair of recessed photocells. Range up to 30 metres. Power supply 12-33Vac / 15-35Vdc

Cp R400009 - **Ci** 2611783
KIT COMPACTA - PHP

Kit complete with a pair of aluminum posts for photocells height 522mm and a pair of Compacta A20-180 photocells adjustable 180° horizontally, range 20m, power supply 12 – 33Vac / 15 – 35Vdc

Cp P903034 - **Ci** 2613426
ADA PHP MURA

Pair of adapters for installing MURA photocells on PHP series posts.

Cp P903030 - **Ci** 2611473
PHP4 A

Pair of aluminum posts of different heights, for Q.bo series selectors and THEA, DESME and COMPACTA series photocells. Column for selector: height 1038 mm, column for photocells: height 552 mm

Cp P111815 - **Ci** 2613435
CCI MURA CONTAINER FLUSH-FIT

Pair of recessed housings for MURA photocells.

Cp P903031 - **Ci** 2605301
BMC A

Support for mounting COMPACTA series photocells on wall and on Giotto, Moovi and Michelangelo barriers

Cp P903032 - **Ci** 2611474
ADA CC A

Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on CC posts

Cp P903033 - **Ci** 2611475
ADA PHP A

Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on PHP posts

SAFETY DEVICES - SENSITIVE EDGES

new **Cp** R920111 - **Ci** 2611809
KIT WIRELSSBAND 2.R

Wireless transmission system for resistive safety edges comprising transmitter and receiver.

new **Cp** P125050 - **Ci** 2611437
TX WIRELESSBAND 2.R

Wireless transmitter for resistive safety edges.

Cp N190106 - **Ci** 2610878
STR

Pair of infrared STR sensors for ERIS A30

Cp P111537 - **Ci** 2600814
ERIS A30

Pair of wireless photocells with the possibility of management of an active infrared or resistive safety edge adding STR and BIR C or BAR C profiles.

Cp P111401 00001 - **Ci** 2600207
VENTIMIGLIA NS

Infrared device for BIR C or BAR C safety edges (conforms to EN 12978 Standard)

Cp D141160 - **Ci** 2600593
FLEX6

6x0.5 mm² extensible spiral cable for industrial sectional doors. Max. extension 6 m

Cp N999465 - **Ci** 2600425
DCW BAT

Pack of 12 batteries for photocell safety edge, compatible with DCW, TANGO, ERIS A30

RUBBER PROFILES

Cp R920110 - **Ci** 2611808
EDGE XL-CP99A36/CA/2000/8K/5 BFT

Kit for 8k2 resistive safety edges, length 2 metres, with 99 mm-high EPDM rubber strip, aluminium section, 2 contact terminals, 2 caps, 1 x 8.2 kOhm resistance connector and connection cable.

Cp N190104 - **Ci** 2600775
BIR C

Rubber safety edge (H 30 mm), price per m

Cp P111050 - **Ci** 2600918
CM1000

Mechanical safety edge, length 1 m

Cp P111051 - **Ci** 2600801
CM1500

Mechanical safety edge, length 1.5 m

Cp P111052 - **Ci** 2600802
CM1700

Mechanical safety edge, length 1.7 m

Cp P111053 - **Ci** 2600803
CM2000

Mechanical safety edge, length 2 m

Cp P111054 - **Ci** 2611216
CM3000

Mechanical safety edge, length 3 m

Cp P111055 - **Ci** 2611217
CM4000

Mechanical safety edge, length 4 m

Cp P111056 - **Ci** 2611218
CM5000

Mechanical safety edge, length 5 m

Cp P111450 00002 - **Ci** 2611250
BAR C 2

Double profile rubber safety edge (L 2000 x H 60 mm)

Cp P111450 00004 - **Ci** 2611251
BAR C 4

Double profile rubber safety edge (L 4000 x H 60 mm)

Cp P111450 00006 - **Ci** 2611252
BAR C 6

Double profile rubber safety edge (L 6000 x H 60 mm)

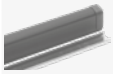
RUBBER PROFILES

Cp N190039 - **Ci** 2610777
CSP 10

Rubber shock absorber profile length 1000 mm

Cp N190040 - **Ci** 2600774
CSP 20

Rubber shock absorber profile length 2000 mm



Cp N190041 - **Ci** 2610778
CSP 25

Rubber shock absorber profile length 2500 mm

Cp P111451 00004 - **Ci** 2600808
BAR C BA 4

Double profile safety edge with lip seals (L4000xh60 mm.) BAR C BA 4

Cp P111451 00002 - **Ci** 2611253
BAR C BA 2

Double profile safety edge with lip seals (L2000xh60 mm.) BAR C BA 2

Cp P111451 00006 - **Ci** 2600809
BAR C BA 6

Double profile safety edge with lip seals (L6000xh60 mm.) BAR C BA 6

Cp D221074 - **Ci** 2600595
TB

Plug for BIR C - TB

Cp N999025 - **Ci** 2611066
TA

TA TAPPI BAR

SOLENOID LOCKS

new **Cp** P123032 00001 - **Ci** 2613516
EBP AC A 230V 50/60HZ

230V vertical electric lock.

new **Cp** P123032 00003 - **Ci** 2613518
EBP BT A 24V

24V vertical electric lock.

Cp P123033 - **Ci** 2613523
CSE 52 (EXTERNAL RELEASE EBP 52 MM)

Key cylinder for external release for gates of max. thickness 50 mm. Also includes internal key cylinder with same key number.

Cp P123034 - **Ci** 2613525
CSE 75 (EXTERNAL RELEASE EBP 75 MM)

Key cylinder for external release for gates of max. thickness 75 mm. Also includes internal key cylinder with same key number.

Ph. Out **Cp** P123001 00001 - **Ci** 2600836
EBP

Electric lock 220-230V 50/60Hz with zero stop resistance

Ph. Out **Cp** P123001 00013 - **Ci** 2600520
EBP 24

Electric lock 120/230V 50/60Hz with 230/24V transformer which can be installed on the control panel

Cp D121017 - **Ci** 2600591
ECB SX

Left-hand horizontal solenoid lock, 12/24 V

Ph. Out **Cp** P123006 00001 - **Ci** 2600500
EBPE 52

Electric lock 220-230V 50/60Hz with zero stop resistance, also with external release for gates of max. thickness 52 mm.

Ph. Out **Cp** P123008 00001 - **Ci** 2600519
EBPE 75

Electric lock 220-230V 50/60Hz with zero stop resistance, also with external release for gates of max. thickness 75 mm.

Cp D121016 - **Ci** 2600590
ECB DX

Right-hand horizontal solenoid lock, 12/24 V

Cp D121018 - **Ci** 2600301
ECB VERTICALE

Vertical solenoid lock, 12/24 V

Ph. Out **Cp** P123006 00013 - **Ci** 2611411
EBPE 52 24V

EBPE 52 120/230V 50/60Hz with transformer

Generic accessories

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

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SOLENOID LOCKS

Cp P123001 00004 - **Ci** 2611406
EBP 120

Electric lock 120V 50/60Hz with 230/24V transformer which can be installed on the control panel

RELEASE SYSTEMS

Cp N733189 - **Ci** 2610914
SCT

Release for ELI AC A, ELI BT A and SUB BT with personalized key.

Cp N733392 - **Ci** 2600478
SCC

Release for ELI AC A, ELI BT A and SUB BT with lever key.

Cp D610180 - **Ci** 2600598
CLS

Triangular release key l=52 mm

Cp D610256 - **Ci** 2600599
CLS/82

Triangular release key for SUB operators l=82 mm

Cp P115003 - **Ci** 2611376
ST

Automatic bolt release for sectional doors

Cp N733069 - **Ci** 2600786
SET/S

External release for insulated sectional and overhead doors of thickness up to 50 mm.

Cp N733422 - **Ci** 2600457
RCAL

Lever release with steel cable, length 7 m. Compatible with BOX.

Cp N733020 - **Ci** 2601471
SEB

External key release for BERMA, FORB, IGEA LB and IGEA LB BT

Cp N733036 - **Ci** 2610888
MOX

External release system to be inserted in SIBOX safe

Cp N574039 - **Ci** 2610798
BOX

Wall cabinet for release with steel cable and electric control; cable not included

Cp N574005 - **Ci** 2600085
SIBOX

Empty wall-mounted safe for external release and control keypad Dimensions 179,5 x 122 x 92 mm

Cp N733502 - **Ci** 2610959
SCP

Release for ELI AC A, ELI BT A and SUB BT with personalized key.

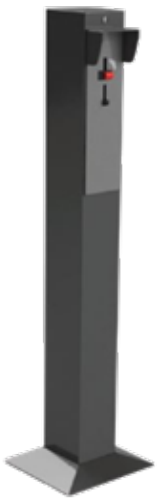
Cp D531097 00001 - **Ci** 2608166
CRC SPARE KEY

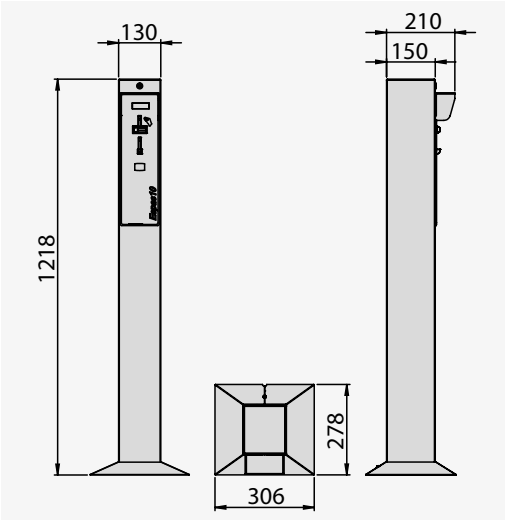
Release key for INTRO model key selector and EBP model electric lock.

Parking management systems

ESPAS 10

Entry/exit station for parking systems for collective use, able to operate in "stand-alone" mode.
The unit provides entrance and exit control and can be connected to electromechanical barriers.





	ESPAS 10 MONEY BOX 1EUR	ESPAS 10 MONEY BOX 2EUR	ESPAS 10 MONEY BOX PLUS EUR	ESPAS 10 MONEY BOX PLUS PLN	ESPAS 10 COIN
Max power consumption	0 W	0 W	20 W	20 W	0 W
Operating temperature	-30 ÷ 50 °C	-30 ÷ 50 °C	-30 ÷ 50 °C	-30 ÷ 50 °C	-30 ÷ 50 °C
Gross weight	18 kg	18 kg	18 kg	18 kg	18 kg
Standard color	RAL7015	RAL7015	RAL7015	RAL7015	RAL7015
Material	Cabinet in 2,0 mm thick dd11-en10111 steel sheet	Cabinet in 2,0 mm thick dd11-en10111 steel sheet	Cabinet in 2,0 mm thick dd11-en10111 steel sheet	Cabinet in 2,0 mm thick dd11-en10111 steel sheet	Cabinet in 2,0 mm thick dd11-en10111 steel sheet
Supply voltage	230VAC, 50Hz	230VAC, 50Hz	230VAC, 50Hz	230VAC, 50Hz	230VAC, 50Hz

VERSIONS

Cp P2092EU10 - **Ci** 2606065
ESPAS 10 MONEY BOX 1EUR

The ESPAS 10 MONEY BOX 1 EUR station, combined with an electromechanical barrier, is a device to control an entry or exit point of a car park. The station can be incorporated in a system in which the
other passages are managed by ESPAS 20 posts. The device accepts only 1€ coins.

Cp P2092EU20 - **Ci** 2612643
ESPAS 10 MONEY BOX 2EUR

The ESPAS 10 MONEY BOX 2 EUR station, combined with an electromechanical barrier, is a device to control an entry or exit point of a car park. The station can be incorporated in a system in which the
other passages are managed by ESPAS 20 posts. The device accepts only 2€ coins.

Cp P2093EU00 - **Ci** 2606066
ESPAS 10 MONEY BOX PLUS EUR

The ESPAS 10 MONEY BOX PLUS station, combined with an electromechanical barrier, is a device to control an entry or exit point of a car park. The station can be incorporated in a system in which the
other passages are managed by ESPAS 20 posts. The device accepts Euro coins. A fixed amount can be set.

Cp P2093ZL00 - **Ci** 2606068
ESPAS 10 MONEY BOX PLUS PLN

The ESPAS 10 MONEY BOX PLUS station, combined with an electromechanical barrier, is a device to control an entry or exit point of a car park. The station can be incorporated in a system in which the
other passages are managed by ESPAS 20 posts. The device accepts Zloty coins. A fixed amount can be set.

Cp P20910000 - **Ci** 2601452
ESPAS 10 COIN

The ESPAS 10 COIN station, combined with an electromechanical barrier, is a device to control an entry or exit point of a car park. The station can be incorporated in a system in which the other passages are managed by ESPAS 20 posts. The device accepts only tokens.

RECOMMENDED ACCESSORIES

Cp P800128 - **Ci** 2606773
ESPAS 10 PROGRAMMER KIT

Software for rates programming for Money Box Plus station (serial interface, USB memory stick with sw, USB to RS232 converter includeds)

Cp D121767 - **Ci** 2605687
RELE' TEMP

Temporized relay (1 switch, 16A 0,1s, 24hrs, multitension)

Cp FP208003 - **Ci** 2606021
QUADRO DETECTOR

Loop detector box for counting system (2 channel loop detector included)

Cp P800015 - **Ci** 2601453
TOKENS

Tokens for ESPAS 10 COIN

Stand-alone system solution able to work without any wired connection; this is allowing to have a system able to work without the need of expensive civil work for the ducts. This modular system works based on the fact that all information are carried by means of the 2D barcode in the ticket. Easy to install and maintain thanks to the acces placed in front of the station.

	ESPAS 20-I	ESPAS 20-U	ESPAS 20-SA	ESPAS 20-T	ESPAS 20-P
Supply voltage	230 VAC ±10%, 50Hz-60Hz	230 VAC ±10%, 50Hz-60Hz	230 VAC ±10%, 50Hz-60Hz	230 VAC ±10%, 50Hz-60Hz	230 VAC ±10%, 50Hz-60Hz
Max power consumption	200 W	200 W	200 W	70 W	350 W
Idle power consumption	70 W	70 W	70 W	10 W	150 W
Operating temperature	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	0 ÷ 55 °C
Sizes	1265 x 341 x 315 mm	1265 x 341 x 315 mm	1265 x 341 x 315 mm	248 x 160 x 315 mm	1657 x 670 x 435 mm
Gross weight	60 kg	60 kg	60 kg	4 kg	100 kg
Standard communication interface	RS485	RS485	RS485	-	TCP/IP
Standard color	RAL7015	RAL7015	RAL7015	RAL7015	RAL7015
Material	Cabinet in 2,0 mm thick FE360B steel sheet; front panel in anti-wear and anti-scratch polycarbonate,	Cabinet in 2,0 mm thick FE360B steel sheet; front panel in anti-wear and anti-scratch polycarbonate,	Cabinet in 2,0 mm thick FE360B steel sheet; front panel in anti-wear and anti-scratch polycarbonate,	Cabinet in FE360B steel sheet;	Powder coated galvanized steel body,

Cp Code
Ci International code

U-Link
New
Phase-out

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release systems P. 292

RECOMMENDED ACCESSORIES

Cp D113708 - **Ci** 2606002
KIT CAPIENZA

The Kit Capienza is a device used to manage the occupancy status of a stand alone car park or to regulate the transit of an alternating one-way track. It consists of: waterproof box, control board to manage inputs and outputs, backlit LCD display, 12 keys numeric keypad for programming.

Cp P975075 - **Ci** 2605965
TRAFFIC LIGHT PANEL DE

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P975077 - **Ci** 2605977
TRAFFIC LIGHT PANEL ES

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P975078 - **Ci** 2605978
TRAFFIC LIGHT PANEL PL

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P22316B1 - **Ci** 2605960
TRAFFIC LIGHT 2-SIDE PANEL DE

Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P22316B3 - **Ci** 2605961
TRAFFIC LIGHT 2-SIDE PANEL ES

Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp 135993 - **Ci** 2605645
CIT-BUS DIGITAL INTERCOM 10P

Digital Intercom desktop handset for 10 external point.

Cp FP510001 - **Ci** 2605830
CIT-BUS POWER SUPPLY BOX

Power supply for digital intercom.

Cp 135104 - **Ci** 2613184
CIT-BUS EXTERNAL MODULE

Outdoor digital intercom station

Cp P975073 - **Ci** 2605930
TRAFFIC LIGHT PANEL IT

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P975074 - **Ci** 2605931
TRAFFIC LIGHT PANEL EN

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P975076 - **Ci** 2605966
TRAFFIC LIGHT PANEL FR

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P22316B0 - **Ci** 2605959
TRAFFIC LIGHT 2-SIDE PANEL IT

Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P22316B2 - **Ci** 2605834
TRAFFIC LIGHT 2-SIDE PANEL EN

Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P22316B4 - **Ci** 2605962
TRAFFIC LIGHT 2-SIDE PANEL FR

Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp 135656 - **Ci** 2613185
CIT-BUS DIGITAL INTERCOM 20P

Digital Intercom desktop handset for 20 external point.

Cp 21188 - **Ci** 2605649
CIT-BUS POWER SUPPLY BOX & TRANSFERING CALLS

Intercom call forwarding for transferring calls to up to 3 numbers in cascade. Only for digital intercom. Power supply included .

Cp P800156 - **Ci** 2613224
ANALOGUE TO SIM GSM TELEPHONE COMBINER

Telephone combiner which converts the GSM signal to an analogue line, using a SIM card (not included). Can be used with CIT-BUS digital intercom systems. Built-in antenna, 10.7 to 27.6 V power supply (power supply unit included).

RECOMMENDED ACCESSORIES

Cp P2010042E - **Ci** 2606052
ESPAS OFFLINE DISCOUNT PRINTER

Off-line desk thermal printer used to print on the ticket an additional barcode tha gives a discount (can be time or amount) on the parking fare. This additional discount (barcode) are then deducted either at the POF or at the Exit station.

Cp D191186 - **Ci** 2602011
FANFOLD GAP TICKETS BFT

Fanfold ticket box, 4000pcs tickets box with gap & BFT logo

Cp 360558 - **Ci** 2605650
FANFOLD GAP TICKETS NEUTRAL

Fanfold ticket box, 4000pcs tickets box with gap, neutral

Cp 999ASK999 - **Ci** 999ASK999
CUSTOMIZED FANFOLD GAP TICKET

Customized fanfold ticket box, 4000pcs tickets box with gap. Minimum 13 boxes.

Cp P800044 - **Ci** 2605842
ROLL THERMAL PAPER

Roll thermal paper (3000 tickets) for entry station

Cp D110919 - **Ci** 2605651
RFID PROXIMITY CARD 125kHz

Proximity RFID card 125KHz for 20-30 system, 1 pcs. Minimum 10pcs.

Cp D110912 - **Ci** 2600122
COMPASS - CUSTOM ISOCARD

ISO standard proximity badge

Cp D110914 - **Ci** 2600568
COMPASS - RING

Key-ring transponder for access control

Cp FP208003 - **Ci** 2606021
QUADRO DETECTOR

Loop detector box for counting system (2 channel loop detector included)

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights. Diam. 60mm - h 3600mm

ESPAS 20-I

The ESPAS 20-I station combined with an electromechanical barrier is a device for controlling an entry transit point of a parking area.
The system works in stand alone mode, and no wiring is required between the various components of the car park.
The station performs the rapid issuing of barcode tickets and management of operator cards.

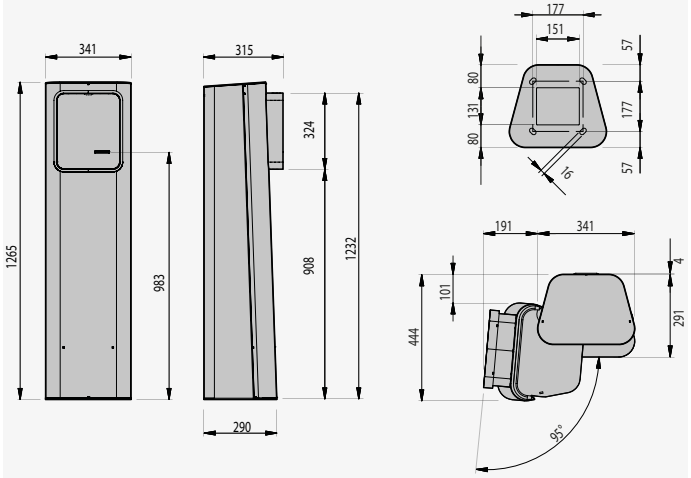
Basic components

Capacity of 4000 fanfold tickets with easy loading.
Proximity card reader for operators
20 characters x 2 rows backlit LCD display
Illuminated ticket nozzle
Internal temperature regulated by forced ventilation and heating element.
Programmable and highly sensitive two-channels loop detector.
Automatic barrier management.
Assistance call button.
Long-lasting, illuminated, mechanical pushbutton for ticket request
Fanfold ticket thermal printer.

Optional components

Digital intercom.
Barcode scanner.
Single lane management.
Customizable cabinet colour.

Dimensions



Code	Name	Thermal printer	Operator card management	Barrier commands management	Scanner	RFID card reader	Season ticket management	Bus intercom
P211E20I11	**ESPAS 20-I**	●	●	●		●		
P211C20I11	**ESPAS 20-I CIR**	●	●	●		●		
P211E2NI11	**ESPAS 20-I SCN**	●	●	●	●	●	●	
P211E20I10	**ESPAS 20-I CIT-BUS**	●	●	●		●		●
P211E2NI10	**ESPAS 20-I SCN CIT-BUS**	●	●	●	●	●	●	●

RECOMMENDED ACCESSORIES

Cp 21261 - **Ci** 2606001
KIT STATIONS ANCHOR BASE

Column anchor base for 20/30 entry/exit terminals

Cp D110945 - **Ci** 2607227
MAGNETIC LOOP 5MT

High sensivity pre-cabled magnetic loop (10m tail x 5m loop)

Cp D141784 - **Ci** 2607232
MAGNETIC LOOP 8MT

High sensivity pre-cabled magnetic loop (10m tail x 8m loop)

Cp D121711 - **Ci** 2605801
HEATER UNIT

Heater unit 60W for internal station/POF installation on DIN bar

Cp 385251 - **Ci** 2604460
TRAFFIC LIGHT 2 LED 100MM

Traffic light with two LED lights (red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

Cp 385256 - **Ci** 2604461
TRAFFIC LIGHT 3 LED 100MM

Traffic light with three LED lights (red - red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

new **Cp** P800174 - **Ci** 2451276
TRAFFIC LIGHT 2 LED 200MM

Two LED lights (red/green), high brightness racing-style traffic light system for controlling movements. With LED bulbs. Diameter 200mm.

Cp P800044 - **Ci** 2605842
ROLL THERMAL PAPER

Roll thermal paper (3000 tickets) for entry station

Cp D576215 - **Ci** 2605797
ROLL THERMAL PAPER SUPPORT PIN

Support pin for roll thermal paper

Cp D576216 - **Ci** 2605808
ROLL THERMAL PAPER HUB

Hub for roll thermal paper

Cp D413445 - **Ci** 2605793
TRUCK HEIGHT PEDESTAL 800MM

800mm height pedestal, with door, for entry/exit column

Cp D413530 - **Ci** 2605794
BUS HEIGHT PEDESTAL 600MM

600mm height pedestal, with door, for entry/exit column

Cp D113948 - **Ci** 2605737
LOOP DETECTOR PRO

2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.

Cp D113999 - **Ci** 2605754
LOOP DETECTOR LITE

2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

Cp 394073 - **Ci** 2604478
LASER SAFETY SENSOR

Safety laser detector. Its used in combination with magnetc loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights. Diam. 60mm - h 3600mm

Cp Code
Ci International code

U-Link
new New
Ph Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

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access control P. 282
set of batteries for control units P. 282
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ESPAS 20-U

The ESPAS 20-U station combined with an electromechanical barrier is a device for controlling an exit transit point of a parking area.
The system works in stand alone mode, and no wiring is required between the various components of the car park.
It includes scanner for ticket and Proximity Card readers

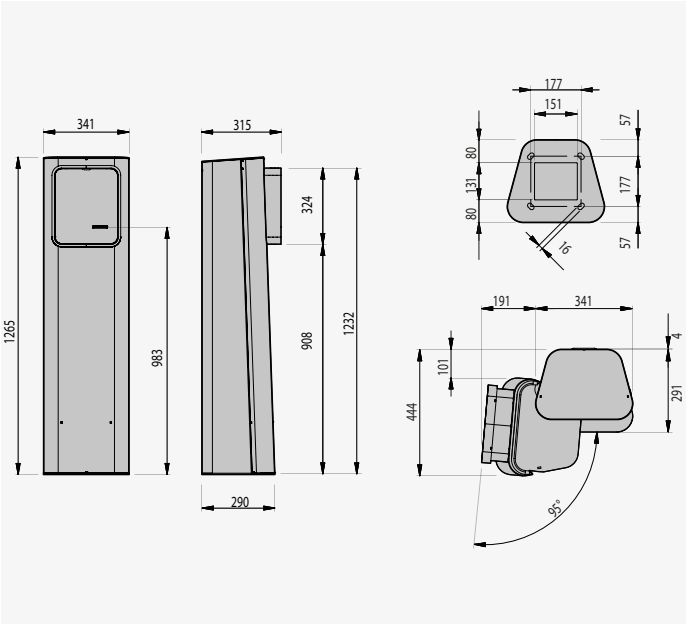
Basic components

Barcode scanner.
Proximity card reader for operators
20 characters x 2 rows backlit LCD display
Illuminated ticket nozzle
Internal temperature regulated by forced ventilation and heating element.
Programmable and highly sensitive two-channels loop detector.
Automatic barrier management.
Assistance call button.

Optional components

Digital intercom.
Single lane management.
Customizable cabinet colour.
Motorized ticket reader.

Dimensions



Code	Name	Operator card management	Barrier commands management	Scanner	RFID card reader	Season ticket management	Bus intercom	Motorized ticket reader.
P211E20U11	**ESPAS 20-U**	●	●	●	●	●		
P211C20U11	**ESPAS 20-U CIR**	●	●	●	●	●		
P211E20U10	**ESPAS 20-U CIT-BUS**	●	●	●	●	●	●	
P211E2RU11	**ESPAS 20-U PLUS**	●	●		●	●		●
P211E2RU10	**ESPAS 20-U PLUS CIT-BUS**	●	●		●	●	●	●

RECOMMENDED ACCESSORIES

Cp 21261 - **Ci** 2606001
KIT STATIONS ANCHOR BASE

Column anchor base for 20/30 entry/exit terminals

Cp D141784 - **Ci** 2607232
MAGNETIC LOOP 8MT

High sensivity pre-cabled magnetic loop (10m tail x 8m loop)

Cp 385251 - **Ci** 2604460
TRAFFIC LIGHT 2 LED 100MM

Traffic light with two LED lights (red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

Cp 385256 - **Ci** 2604461
TRAFFIC LIGHT 3 LED 100MM

Traffic light with three LED lights (red - red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

Cp D413530 - **Ci** 2605794
BUS HEIGHT PEDESTAL 600MM

600mm height pedestal, with door, for entry/exit column

Cp D113999 - **Ci** 2605754
LOOP DETECTOR LITE

2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase

Cp 394073 - **Ci** 2604478
LASER SAFETY SENSOR

Safety laser detector. Its used in combination with magnetc loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights. Diam. 60mm - h 3600mm

Cp D110945 - **Ci** 2607227
MAGNETIC LOOP 5MT

High sensivity pre-cabled magnetic loop (10m tail x 5m loop)

Cp D121711 - **Ci** 2605801
HEATER UNIT

Heater unit 60W for internal station/POF installation on DIN bar

new **Cp** P800174 - **Ci** 2451276
TRAFFIC LIGHT 2 LED 200MM

Two LED lights (red/green), high brightness racing-style traffic light system for controlling movements. With LED bulbs. Diameter 200mm.

Cp D413445 - **Ci** 2605793
TRUCK HEIGHT PEDESTAL 800MM

800mm height pedestal, with door, for entry/exit column

Cp D113948 - **Ci** 2605737
LOOP DETECTOR PRO

2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

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ESPAS 20-SA

The ESPAS 20-SA station combined with an electromechanical barrier is a device for controlling an entry or exit transit point of a parking area.
The system works in stand alone mode, and no wiring is required between the various components of the car park.
The station can manage proximity cards for operators.

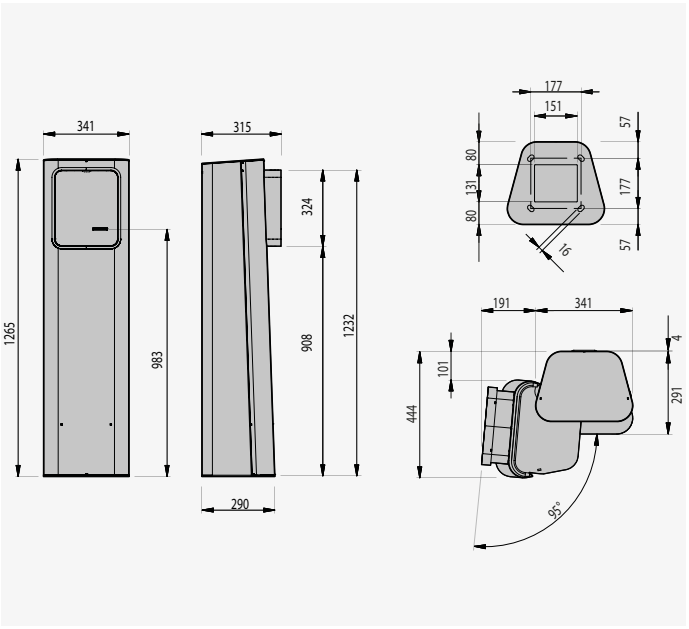
Basic components

Proximity card reader for operators
20 characters x 2 rows backlit LCD display
Internal temperature regulated by forced ventilation
Programmable and highly sensitive two-channels loop detector.
Automatic barrier management.
Assistance call button.

Optional components

Digital intercom.
Customizable cabinet colour.

Dimensions



Code	Name	Operator card management	Barrier commands management	RFID card reader	Bus intercom
P211E20A11	ESPAS 20-SA	●	●	●	
P211E20A10	ESPAS 20-SA CIT-BUS	●	●	●	●

RECOMMENDED ACCESSORIES

Cp 21261 - **Ci** 2606001
KIT STATIONS ANCHOR BASE

Column anchor base for 20/30 entry/exit terminals

Cp D141784 - **Ci** 2607232
MAGNETIC LOOP 8MT

High sensivity pre-cabled magnetic loop (10m tail x 8m loop)

Cp 385251 - **Ci** 2604460
TRAFFIC LIGHT 2 LED 100MM

Traffic light with two LED lights (red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

Cp 385256 - **Ci** 2604461
TRAFFIC LIGHT 3 LED 100MM

Traffic light with three LED lights (red - red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

Cp D413530 - **Ci** 2605794
BUS HEIGHT PEDESTAL 600MM

600mm height pedestal, with door, for entry/exit column

Cp D113999 - **Ci** 2605754
LOOP DETECTOR LITE

2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase

Cp 394073 - **Ci** 2604478
LASER SAFETY SENSOR

Safety laser detector. Its used in combination with magnetc loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights. Diam. 60mm - h 3600mm

Cp D110945 - **Ci** 2607227
MAGNETIC LOOP 5MT

High sensivity pre-cabled magnetic loop (10m tail x 5m loop)

Cp D121711 - **Ci** 2605801
HEATER UNIT

Heater unit 60W for internal station/POF installation on DIN bar

new **Cp** P800174 - **Ci** 2451276
TRAFFIC LIGHT 2 LED 200MM

Two LED lights (red/green), high brightness racing-style traffic light system for controlling movements. With LED bulbs. Diameter 200mm.

Cp D413445 - **Ci** 2605793
TRUCK HEIGHT PEDESTAL 800MM

800mm height pedestal, with door, for entry/exit column

Cp D113948 - **Ci** 2605737
LOOP DETECTOR PRO

2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

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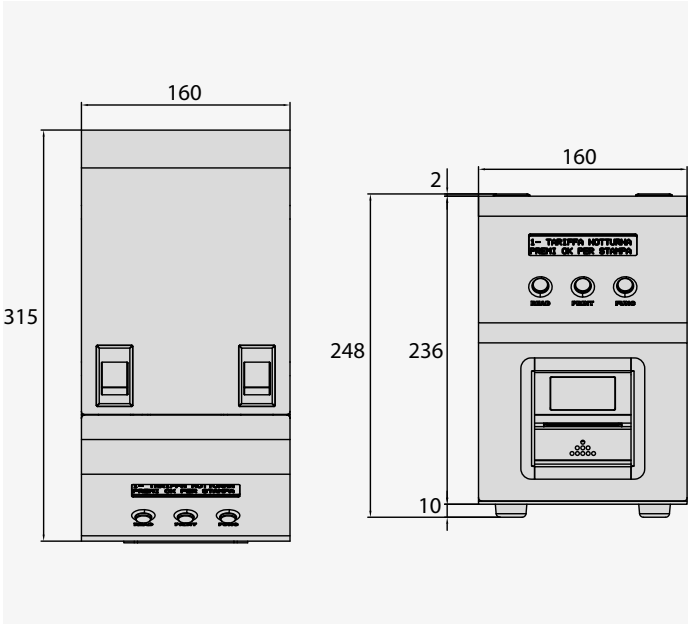
ESPAS 20-T

The Espas 20-T desktop validator is an all in one device for stand alone systems that performs all the functions of an attended station without wiring and without the use of a PC.
This device allow to program linear fare depending on parking time
It allows also to print special ticket, subscription ticket and income report

Basic components

20 characters x 2 rows backlit LCD display
3 push botton for menue selection and print of special ticket such as subscriber tichets, free exit, lost ticket
Fanfold ticket thermal printer.
Barcode scanner.
Linear fare computation and programming
Income report split by operator shift

Dimensions



Code	Name	Thermal printer	LCD display	Scanner	Season ticket management
FP205010	ESPAS 20-T	●	●	●	●

ESPAS 20-P

The ESPAS 20-P is a stand-alone automatic POF machine for Parking systems working without operator.
It allows the programming of customisable rates
The unit is equipped with devices for coins and notes payments

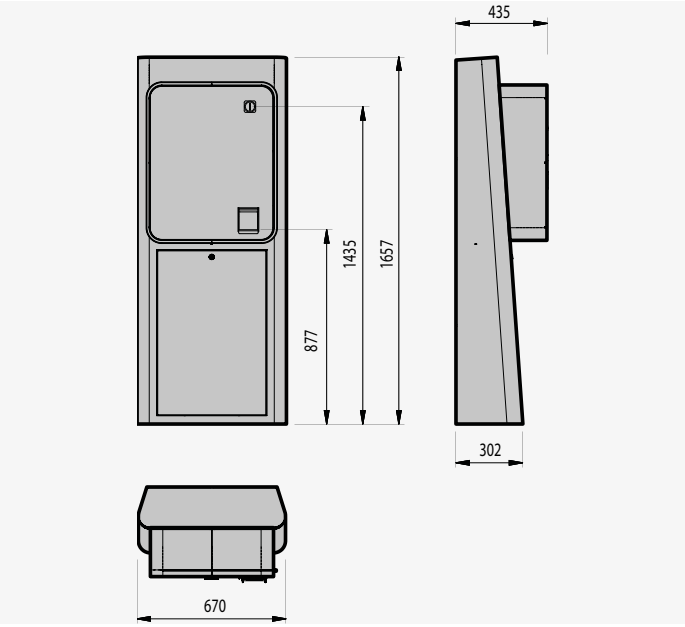
Basic components

Fanfold ticket thermal printer
20 characters x 4 rows backlit LCD display
Multilanguage display messages
Motorized ticket reader with receipt printing function
Coins reader with changegiver (up to six seizes)
Two high capacity hoppers with auto refill
Notes reader with changegiver (up to two seizes)
Removable banknote and coin collection boxes with safety keys.
Lost ticket function
Heating fan with electronic temperature control

Optional components

Digital intercom.
Customizable cabinet colour.

Dimensions



Code	Name	Thermal printer	Coin acceptor	Hopper for coins	Banknote acceptor	Bancknote recycler	Bus intercom	LCD display	Credit card - Micropayments
P214E201DM001	ESPAS 20-P AED	●	●	●	●	●		●	
P214E201CZ001	ESPAS 20-P CZK	●	●	●	●	●		●	
P214E201EU001	ESPAS 20-P EUR	●	●	●	●	●		●	
P214E200EU001	ESPAS 20-P CIT-BUS EUR	●	●	●	●	●	●	●	
P214E201GB001	ESPAS 20-P GBP	●	●	●	●	●		●	
P214E200GB001	ESPAS 20-P CIT-BUS GBP	●	●	●	●	●	●	●	
P214E201KN001	ESPAS 20-P HRK	●	●	●	●	●		●	
P214E201PM001	ESPAS 20-P MXN	●	●	●	●	●		●	
P214E201ZL001	ESPAS 20-P PLN	●	●	●	●	●		●	
P214E201LR001	ESPAS 20-P RON	●	●	●	●	●		●	

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

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ESPAS 30 ULTRA

Parking system for commercial and professional applications, which can operate wired via an RS485 or TCP/IP network.
The high degree of modularity of the peripherals means it can be adapted to any situation, from the simplest to the most complex systems, with bookings, number plate recognition, electrical car recharging, etc.
All operations at Entry, Pay On Foot and Exit are assisted by display and voice messages in order to enhance the customer experience.
The Parking Management Software allows to monitor all system components and rapid analysis of parking usage data.

	ESPAS 30-I ULTRA	ESPAS 30-U ULTRA	ESPAS 30-U CC ULTRA	ESPAS 30-A ULTRA	ESPAS 30-P ULTRA
Supply voltage	230 VAC ±10%, 50Hz-60Hz	230 VAC ±10%, 50Hz-60Hz	230 VAC ±10%, 50Hz-60Hz	230 VAC ±10%, 50Hz-60Hz	230 VAC ±10%, 50Hz-60Hz
Max power consumption	200 W	200 W	230 W	200 W	350 W
Idle power consumption	70 W	70 W	90 W	70 W	150 W
Operating temperature	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	0 ÷ 50 °C
Sizes	1265 x 341 x 315 mm	1265 x 341 x 315 mm	1265 x 341 x 364 mm	1265 x 341 x 315 mm	1657 x 670 x 435 mm
Gross weight	60 kg	60 kg	65 kg	60 kg	100 kg
Standard communication interface	RS485	RS485	RS485 – TCP/IP	RS485	TCP/IP
Standard color	RAL7015	RAL7015	RAL7015	RAL7015	RAL7015
Material	Cabinet in 2,0 mm thick DD11 (UNI EN 10111) steel sheet; front panel in anti-wear and anti-scratch polycarbonate,	Cabinet in 2,0 mm thick DD11 (UNI EN 10111) steel sheet; front panel in anti-wear and anti-scratch polycarbonate,	Cabinet in 2,0 mm thick DD11 (UNI EN 10111) steel sheet; front panel in anti-wear and anti-scratch polycarbonate,	Cabinet in 2,0 mm thick DD11 (UNI EN 10111) steel sheet; front panel in anti-wear and anti-scratch polycarbonate,	Cabinet in 2,0 mm thick DD11 (UNI EN 10111) steel sheet, front door 3,0 mm thick; front panel in anti-wear and anti-scratch polycarbonate,

RECOMMENDED ACCESSORIES

Cp P975073 - **Ci** 2605930
TRAFFIC LIGHT PANEL IT

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P975075 - **Ci** 2605965
TRAFFIC LIGHT PANEL DE

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P975074 - **Ci** 2605931
TRAFFIC LIGHT PANEL EN

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P975077 - **Ci** 2605977
TRAFFIC LIGHT PANEL ES

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P975076 - **Ci** 2605966
TRAFFIC LIGHT PANEL FR

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P975078 - **Ci** 2605978
TRAFFIC LIGHT PANEL PL

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P975079 - **Ci** 2605932
TRAFFIC LIGHT PANEL HR

Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P22316B0 - **Ci** 2605959
TRAFFIC LIGHT 2-SIDE PANEL IT

Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P22316B1 - **Ci** 2605960
TRAFFIC LIGHT 2-SIDE PANEL DE

Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P22316B2 - **Ci** 2605834
TRAFFIC LIGHT 2-SIDE PANEL EN

Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P22316B3 - **Ci** 2605961
TRAFFIC LIGHT 2-SIDE PANEL ES

Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P22316B4 - **Ci** 2605962
TRAFFIC LIGHT 2-SIDE PANEL FR

Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

Cp P22312M5 - **Ci** 2605833
TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY MASTER

Panel backlit with crepuscular function and indication of: Free/Empty (Led light Green/Red). RS485 interface, 3 digit for spaces. Dimensions: 600x800x55. RS485/RS232 converter, 230VAC power supply. Mounting bracket for pole included.

Cp P22319M5 - **Ci** 2605963
TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY SLAVE

Panel backlit with crepuscular function and indication of: Free/Empty (Led light Green/Red). RS485 interface, 3 digit for spaces. Dimensions: 600x800x55, 230VAC . Mounting bracket for pole included. RS485/RS232 converter not included.

Cp P22322M5 - **Ci** 2605839
TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY MASTER - HORIZONTAL

Horizontal backlit panel with crepuscular function and indication of: Free/Empty (Led light Green/Red), 3 digit for spaces. RS485/RS232 converter, mounting bracket for pole included.

Cp P22329M5 - **Ci** 2605942
TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY SLAVE - HORIZONTAL

Horizontal backlit panel with crepuscular function and indication of: Free/Empty (Led light Green/Red), 3 digit for spaces. RS485/RS232 converter NOT included. Mounting bracket for pole included.

RECOMMENDED ACCESSORIES

Cp P800142 - **Ci** 2605944
COPPIA RADIOMODEM RTX 868MHz (Master)

2 Modem radio Master with RS485 interface for data tx without cable connection. This device allows, as an example, to exchange data between the Parking server and Traffic light panel. Maximum range is 1500 mtr in case there are no obstacles. Within urban areas the range is limited to 300 mtr. The kit includes: 2 devices with protected IP66 box, support for pole with Diam. 60mm, SMA connector and antenna, power supply 12/24DC.

Cp P800141 - **Ci** 2605943
RADIOMODEM RTX 868MHz (Slave)

Modem radio Slave with RS485 interface for data tx without cable connection, to use with COPPIA RADIOMODEM RTX 868MHZ (Master). This device allows, as an example, to exchange data between the Parking server and Traffic light panel. Maximum range is 1500 mtr in case there are no obstacles. Within urban areas the range is limited to 300 mtr. The kit includes: protected IP66 box, support for pole with Dia 60mm, SMA connector and antenna, power supply 12/24VDC.

Cp P2010042E - **Ci** 2606052
ESPAS OFFLINE DISCOUNT PRINTER

Off-line desk thermal printer used to print on the ticket an additional barcode tha gives a discount (can be time or amount) on the parking fare. This additional discount (barcode) are then deducted either at the POF or at the Exit station.

Cp D191186 - **Ci** 2602011
FANFOLD GAP TICKETS BFT

Fanfold ticket box, 4000pcs tickets box with gap & BFT logo

Cp 360558 - **Ci** 2605650
FANFOLD GAP TICKETS NEUTRAL

Fanfold ticket box, 4000pcs tickets box with gap, neutral

Cp 999ASK999 - **Ci** 999ASK999
CUSTOMIZED FANFOLD GAP TICKET

Customized fanfold ticket box, 4000pcs tickets box with gap. Minimum 13 boxes.

Cp D110919 - **Ci** 2605651
RFID PROXIMITY CARD 125kHz

Proximity RFID card 125KHz for 20-30 system, 1 pcs. Minimum 10pcs.

Cp D110912 - **Ci** 2600122
COMPASS - CUSTOM ISOCARD

ISO standard proximity badge

Cp D191145 - **Ci** 2605741
MIFARE PROXIMITY CARD 13,56MHz

Proximity MIFARE 13,56MHz card for 30 system

Cp D110914 - **Ci** 2600568
COMPASS - RING

Key-ring transponder for access control

Cp FP208003 - **Ci** 2606021
QUADRO DETECTOR

Loop detector box for counting system (2 channel loop detector included)

Cp 135993 - **Ci** 2605645
CIT-BUS DIGITAL INTERCOM 10P

Digital Intercom desktop handset for 10 external point.

Cp 135656 - **Ci** 2613185
CIT-BUS DIGITAL INTERCOM 20P

Digital Intercom desktop handset for 20 external point.

Cp FP510001 - **Ci** 2605830
CIT-BUS POWER SUPPLY BOX

Power supply for digital intercom.

Cp 21188 - **Ci** 2605649
CIT-BUS POWER SUPPLY BOX & TRANSFERING CALLS

Intercom call forwarding for transferring calls to up to 3 numbers in cascade. Only for digital intercom. Power supply included .

Cp 135104 - **Ci** 2613184
CIT-BUS EXTERNAL MODULE

Outdoor digital intercom station

Cp P800156 - **Ci** 2613224
ANALOGUE TO SIM GSM TELEPHONE COMBINER

Telephone combiner which converts the GSM signal to an analogue line, using a SIM card (not included). Can be used with CIT-BUS digital intercom systems. Built-in antenna, 10.7 to 27.6 V power supply (power supply unit included).

Cp P800173 - **Ci** 2605644
CONTROL DESK IP

IP intercom control Desk - 3,5" TFT display. Up to 12 SIP accounts.

RECOMMENDED ACCESSORIES

Cp D114098 - **Ci** 2605678
CONTROL DESK IP TOUCH

IP intercom control Desk - 7" IPS display touch screen

Cp P800166 - **Ci** 2613445
CIT-IP EXTERNAL MODULE 1P

Outdoor IP intercom station, 1 button

Cp P800161 - **Ci** 2613228
ROAD ENCLOSURE WITH INSPECTION PLINTH

Road enclosure with inspection plinth. Lock with retractable handle and closing at three points. Resistance to weather, ageing and corrosion. Floor mounting frames to order separately.
Dimensions: 546 x 1110 x 308 (W x H x D)
Max load applicable on bottom wall: 65 kg

Cp P800162 - **Ci** 2613229
FLOOR MOUNTING FRAMES FOR ROAD ENCLOSURE

Floor mounting frames for road enclosure in steel with double protection treatment: galvanic treatment covered with a layer of epoxy paint. Screws in AISI 304 stainless steel.

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights.
Diam. 60mm - h 3600mm

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs:
P. 282

Accessories:
P. 282

accessories for control units P. 282
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set of batteries for control units P. 282
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safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

ESPAS 30-I ULTRA

The ESPAS 30-I ULTRA station is a device for managing an entry gate to a parking area.
The unit works in a wired network
as a component between the other elements of the system.
The station performs the rapid issuing of barcode tickets,
management of subscription and operator cards.
The display and voice messages guide improve the user experience.

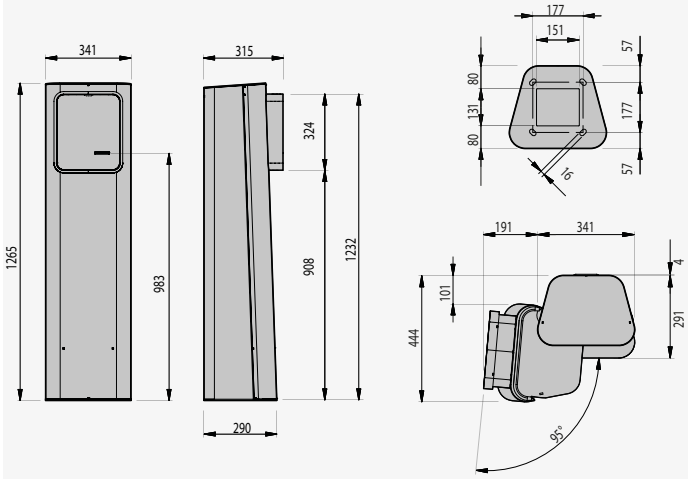
Basic components

Dedicated electronic board with integrated display and onboard joystick for quick programming and consultation of alarms.
Fanfold ticket thermal printer.
Capacity of 4000 fanfold tickets with easy loading.
Proximity card reader for operators and subscriptions.
20 characters x 2 rows backlit LCD display
Illuminated ticket nozzle
Multilanguage audio and display messages.
Internal temperature regulated by forced ventilation and heating element.
Programmable and highly sensitive two-channels loop detector.
Automatic barrier management.
Assistance call button.
Long-lasting, illuminated, mechanical pushbutton for ticket request
RS485 interface.
Guaranteed operation also during server offline periods.
Working mode configurable by software, control board or operator cards.
Alarms management with notification to the parking server.

Optional components

Proximity MIFARE card reader for operators and subscriptions.
Bus or IP intercom.
Barcode scanner.
Management of up to 3 fee rates, allowing issue of tickets
RS485 / LAN converter.
Single lane, two ways gate management.
Double-height terminals availability.
Customizable cabinet colour.

Dimensions



Code	Name	Thermal printer	Vehicle fare differentiation	Scanner	IP intercom	Bus intercom	RFID card reader	Ticket pass management	Double height low & high vehicle	Reservation management	Ethernet
PA2D040R10000	ESPAS 30-I ULTRA RF	●	●				●				
PA2D060R10000	ESPAS 30-I ULTRA RF T new	●	●				●				●
PA2D040R11000	ESPAS 30-I ULTRA RF CIT-BUS	●	●			●	●				
PA2D040R12000	ESPAS 30-I ULTRA RF CIT-IP	●	●		●		●				
PA2D060R12000	ESPAS 30-I ULTRA RF CIT-IP T new	●	●		●		●				●
PA2D160R12000	ESPAS 30-I ULTRA SCN RF CIT-IP T new	●	●	●	●		●				●
PA2D140R10000	ESPAS 30-I ULTRA SCN RF	●	●	●			●	●		●	
PA2D140R11000	ESPAS 30-I ULTRA SCN RF CIT-BUS	●	●	●		●	●	●		●	
PA2D140R12000	ESPAS 30-I ULTRA SCN RF CIT-IP	●	●	●	●		●	●		●	
PA6D040R10000	ESPAS 30-IH ULTRA RF	●	●				●		●		
PA6D040R11000	ESPAS 30-IH ULTRA RF CIT-BUS	●	●			●	●		●		
PA6D140R12000	ESPAS 30-IH ULTRA SCN RF CIT-IP	●	●	●	●		●	●	●	●	

Available in other configurations.

RECOMMENDED ACCESSORIES

Cp 21261 - **Ci** 2606001
KIT STATIONS ANCHOR BASE

Column anchor base for 20/30 entry/exit terminals

Cp D110945 - **Ci** 2607227
MAGNETIC LOOP 5MT

High sensivity pre-cabled magnetic loop (10m tail x 5m loop)

Cp D141784 - **Ci** 2607232
MAGNETIC LOOP 8MT

High sensivity pre-cabled magnetic loop (10m tail x 8m loop)

Cp D121711 - **Ci** 2605801
HEATER UNIT

Heater unit 60W for internal station/POF installation on DIN bar

Cp 385251 - **Ci** 2604460
TRAFFIC LIGHT 2 LED 100MM

Traffic light with two LED lights (red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

new **Cp** P800174 - **Ci** 2451276
TRAFFIC LIGHT 2 LED 200MM

Two LED lights (red/green), high brightness racing-style traffic light system for controlling movements. With LED bulbs. Diameter 200mm.

Cp 385256 - **Ci** 2604461
TRAFFIC LIGHT 3 LED 100MM

Traffic light with three LED lights (red - red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

Cp D413445 - **Ci** 2605793
TRUCK HEIGHT PEDESTAL 800MM

800mm height pedestal, with door, for entry/exit column

Cp D413530 - **Ci** 2605794
BUS HEIGHT PEDESTAL 600MM

600mm height pedestal, with door, for entry/exit column

Cp D113999 - **Ci** 2605754
LOOP DETECTOR LITE

2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase

Cp D113948 - **Ci** 2605737
LOOP DETECTOR PRO

2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.

Cp P800138 - **Ci** 2606835
KIT DENEB TO DENEB

Additional board used to communicate between two stations in "Two Ways" and "Double Height" configuration. For 30 system only.

Cp P800137 - **Ci** 2606776
KIT INTERLOCK FOR PARKING

Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

Cp 394073 - **Ci** 2604478
LASER SAFETY SENSOR

Safety laser detector. Its used in combination with magnetc loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.

Cp 394071 - **Ci** 2604477
LBA FIXING BRACKET

Fixing bracket for LASER DETECTOR for ceiling or post mounted applications.

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp P800132 - **Ci** 2606775
485-TCP/IP CONVERTER KIT

The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights. Diam. 60mm - h 3600mm

Cp Code
Ci International code

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EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
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signalling devices P. 288
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safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

ESPAS 30-U ULTRA

URBAN ACCESS AUTOMATION

The ESPAS 30-U ULTRA station is a device for managing an exit gate from a parking area.
The unit works in a wired network
as a component between the other elements of the system.
Equipped with ticket scanner and discount amount, proximity reader for operator and subscriber card
The display and voice messages guide improve the user experience.

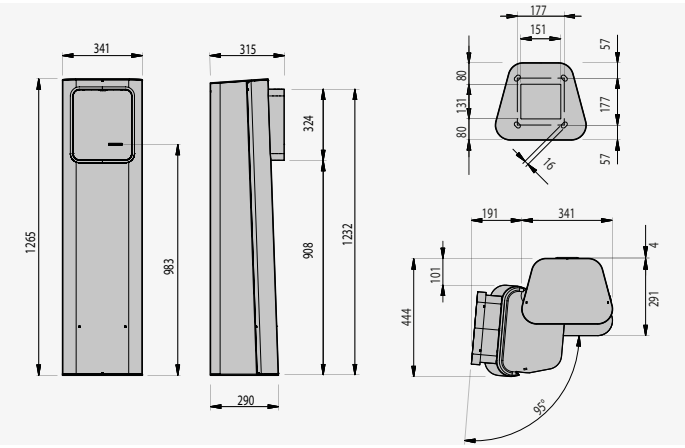
Basic components

Dedicated electronic board with integrated display and onboard joystick for quick programming and consultation of alarms.
Barcode scanner.
Proximity card reader for operators and subscriptions.
20 characters x 2 rows backlit LCD display
Illuminated ticket nozzle
Multilanguage audio and display messages.
Internal temperature regulated by forced ventilation and heating element.
Programmable and highly sensitive two-channels loop detector.
Automatic barrier management.
Assistance call button.
RS485 interface.
Guaranteed operation also during server offline periods.
Working mode configurable by software, control board or operator cards.
Alarms management with notification to the parking server.

Optional components

Proximity MIFARE card reader for operators and subscriptions.
Bus or IP intercom.
Motorized ticket reader.
Barcode scanner.
Single lane, two ways gate management.
Cage barriers management.
Double-height terminals availability.
Customizable cabinet colour.

Dimensions



Code	Name	Scanner	Motorized ticket reader.	IP intercom	Bus intercom	RFID card reader	Ticket pass management	Double height low & high vehicle	Ethernet
PA3D140R10000	ESPAS 30-U ULTRA SCN RF	●				●	●		
PA3D160R10000	ESPAS 30-U ULTRA SCN RF T new	●				●	●		●
PA3D140R11000	ESPAS 30-U ULTRA SCN RF CIT-BUS	●			●	●	●		
PA3D140R12000	ESPAS 30-U ULTRA SCN RF CIT-IP	●		●		●	●		
PA3D160R12000	ESPAS 30-U ULTRA SCN RF CIT-IP T new	●		●		●	●		●
PA3D240R10000	ESPAS 30-U ULTRA PLUS RF		●			●	●		
PA3D240R11000	ESPAS 30-U ULTRA PLUS RF CIT-BUS		●		●	●	●		
PA3D240R12000	ESPAS 30-U ULTRA PLUS RF CIT-IP		●	●		●	●		
PA3D260R12000	ESPAS 30-U ULTRA PLUS RF CIT-IP T new		●	●		●	●		●
PA7D140R10000	ESPAS 30-UH ULTRA SCN RF	●				●	●	●	
PA7D140R11000	ESPAS 30-UH ULTRA SCN RF CIT-BUS	●			●	●	●	●	
PA7D240R12000	ESPAS 30-UH ULTRA PLUS RF CIT-IP		●	●		●	●	●	

Available in other configurations.

RECOMMENDED ACCESSORIES

Cp 21261 - **Ci** 2606001
KIT STATIONS ANCHOR BASE

Column anchor base for 20/30 entry/exit terminals

Cp D141784 - **Ci** 2607232
MAGNETIC LOOP 8MT

High sensivity pre-cabled magnetic loop (10m tail x 8m loop)

Cp 385251 - **Ci** 2604460
TRAFFIC LIGHT 2 LED 100MM

Traffic light with two LED lights (red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

Cp 385256 - **Ci** 2604461
TRAFFIC LIGHT 3 LED 100MM

Traffic light with three LED lights (red - red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

Cp D413530 - **Ci** 2605794
BUS HEIGHT PEDESTAL 600MM

600mm height pedestal, with door, for entry/exit column

Cp D113948 - **Ci** 2605737
LOOP DETECTOR PRO

2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.

Cp P800137 - **Ci** 2606776
KIT INTERLOCK FOR PARKING

Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.

Cp 394073 - **Ci** 2604478
LASER SAFETY SENSOR

Safety laser detector. Its used in combination with magnetc loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp P800132 - **Ci** 2606775
485-TCP/IP CONVERTER KIT

The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.

Cp D110945 - **Ci** 2607227
MAGNETIC LOOP 5MT

High sensivity pre-cabled magnetic loop (10m tail x 5m loop)

Cp D121711 - **Ci** 2605801
HEATER UNIT

Heater unit 60W for internal station/POF installation on DIN bar

new **Cp** P800174 - **Ci** 2451276
TRAFFIC LIGHT 2 LED 200MM

Two LED lights (red/green), high brightness racing-style traffic light system for controlling movements. With LED bulbs. Diameter 200mm.

Cp D413445 - **Ci** 2605793
TRUCK HEIGHT PEDESTAL 800MM

800mm height pedestal, with door, for entry/exit column

Cp D113999 - **Ci** 2605754
LOOP DETECTOR LITE

2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase

Cp P800138 - **Ci** 2606835
KIT DENEB TO DENEB

Additional board used to communicate between two stations in "Two Ways" and "Double Height" configuration. For 30 system only.

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

Cp 394071 - **Ci** 2604477
LBA FIXING BRACKET

Fixing bracket for LASER DETECTOR for ceiling or post mounted applications.

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights. Diam. 60mm - h 3600mm

Cp Code
Ci International code

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

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safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
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ESPAS 30-U CC ULTRA

URBAN ACCESS AUTOMATION

The Espas 30-U CC Ultra station is a device for managing an exit gate from a parking area and allows payment of the parking by credit card, scanning the entry ticket.
The unit works in a wired network
as a component between the other elements of the system.
Equipped with ticket scanner and discount amount, proximity reader for operator and subscriber card, C/C terminal with CHIP and PIN and contactless.
The display and voice messages guide improve the user experience.

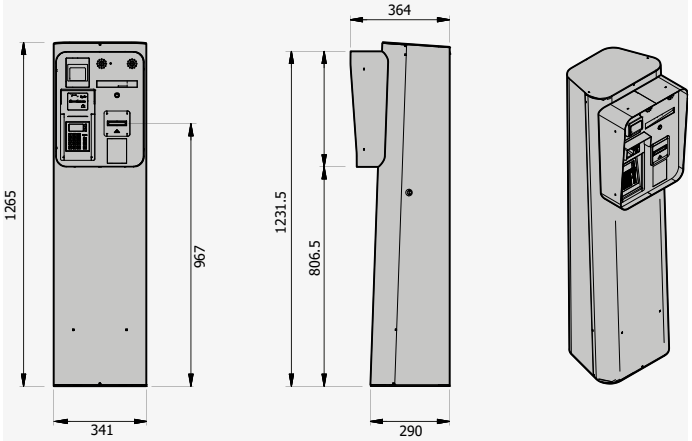
Basic components

Dedicated electronic board with integrated display and onboard joystick for quick programming and consultation of alarms.
Fanfold ticket thermal printer for customer's receipt.
Capacity of 4000 fanfold tickets with easy loading.
Credit card module consisting of card reader, pinpad and contactless reader.*
Barcode scanner.
Proximity card reader for operators and subscriptions.
20 characters x 2 rows backlit LCD display
Illuminated ticket nozzle
Multilanguage audio and display messages.
Internal temperature regulated by forced ventilation and heating element.
Programmable and highly sensitive two-channels loop detector.
Automatic barrier management.
Assistance call button.
RS485 - TCP/IP connection.
Ethernet switch with extended temperature range
Guaranteed operation also during server offline periods.
Working mode configurable by software, control board or operator cards.
Alarms management with notification to the parking server.
*NOTE: composition may change, depending on the country.

Optional components

Proximity MIFARE card reader for operators and subscriptions.
Bus or IP intercom.
Barcode scanner.
Cage barriers management.
Customizable cabinet colour.

Dimensions



Code	Name	Thermal printer	Scanner	IP intercom	RFID card reader	Ticket pass management	Credit card
PA4D142R10000	ESPAS 30-U CC ULTRA SCN CC-FRA RF	●	●		●	●	●
PA4D142R12000	ESPAS 30-U CC ULTRA SCN CC-FRA RF CIT-IP	●	●	●	●	●	●
PA4D143R10000	ESPAS 30-U CC ULTRA SCN CC-UK RF	●	●		●	●	●
PA4D143R12000	ESPAS 30-U CC ULTRA SCN CC-UK RF CIT-IP	●	●	●	●	●	●
PA4D145R10000	ESPAS 30-U CC ULTRA SCN CC-AUS RF	●	●		●	●	●
PA4D145R12000	ESPAS 30-U CC ULTRA SCN CC-AUS RF CIT-IP	●	●	●	●	●	●

Available in other configurations.

RECOMMENDED ACCESSORIES

Cp 21261 - **Ci** 2606001
KIT STATIONS ANCHOR BASE

Column anchor base for 20/30 entry/exit terminals

Cp D110945 - **Ci** 2607227
MAGNETIC LOOP 5MT

High sensivity pre-cabled magnetic loop (10m tail x 5m loop)

Cp D141784 - **Ci** 2607232
MAGNETIC LOOP 8MT

High sensivity pre-cabled magnetic loop (10m tail x 8m loop)

Cp D121711 - **Ci** 2605801
HEATER UNIT

Heater unit 60W for internal station/POF installation on DIN bar

Cp 385251 - **Ci** 2604460
TRAFFIC LIGHT 2 LED 100MM

Traffic light with two LED lights (red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

new **Cp** P800174 - **Ci** 2451276
TRAFFIC LIGHT 2 LED 200MM

Two LED lights (red/green), high brightness racing-style traffic light system for controlling movements. With LED bulbs. Diameter 200mm.

Cp 385256 - **Ci** 2604461
TRAFFIC LIGHT 3 LED 100MM

Traffic light with three LED lights (red - red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

Cp D413445 - **Ci** 2605793
TRUCK HEIGHT PEDESTAL 800MM

800mm height pedestal, with door, for entry/exit column

Cp D413530 - **Ci** 2605794
BUS HEIGHT PEDESTAL 600MM

600mm height pedestal, with door, for entry/exit column

Cp D113999 - **Ci** 2605754
LOOP DETECTOR LITE

2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase

Cp D113948 - **Ci** 2605737
LOOP DETECTOR PRO

2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.

Cp P800137 - **Ci** 2606776
KIT INTERLOCK FOR PARKING

Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

Cp 394073 - **Ci** 2604478
LASER SAFETY SENSOR

Safety laser detector. Its used in combination with magnetc loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.

Cp 394071 - **Ci** 2604477
LBA FIXING BRACKET

Fixing bracket for LASER DETECTOR for ceiling or post mounted applications.

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp P800132 - **Ci** 2606775
485-TCP/IP CONVERTER KIT

The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights. Diam. 60mm - h 3600mm

Cp **Code**
Ci **International code**

U-Link
new New
Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
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ESPAS 30-A ULTRA

URBAN ACCESS AUTOMATION

The ESPAS 30-A ULTRA station is a device for controlling an entry or exit transit point of a parking area.
The unit works in a wired network
as a component between the other elements of the system.
This device allows to manage subscribers and operator card.
The display and voice messages guide improve the user experience.

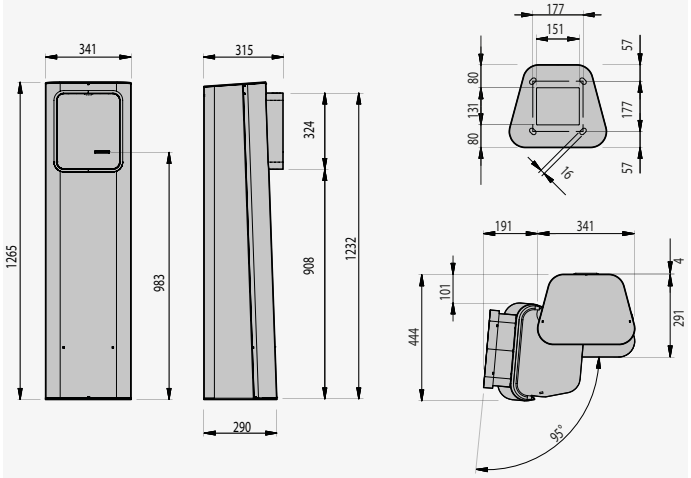
Basic components

Dedicated electronic board with integrated display and onboard joystick for quick programming and consultation of alarms.
Proximity card reader for operators and subscriptions.
20 characters x 2 rows backlit LCD display
Multilanguage audio and display messages.
Internal temperature regulated by forced ventilation and heating element.
Programmable and highly sensitive two-channels loop detector.
Automatic barrier management.
Assistance call button.
RS485 interface.
Guaranteed operation also during server offline periods.
Working mode configurable by software, control board or operator cards.
Alarms management with notification to the parking server.

Optional components

Proximity MIFARE card reader for operators and subscriptions.
Bus or IP intercom.
RS485 / LAN converter.
Single lane, two ways gate management.
Cage barriers management.
Double-height terminals availability.
Customizable cabinet colour.

Dimensions



Code	Name	IP intercom	Bus intercom	RFID card reader	Double height low & high vehicle	Ethernet
PA5D040R10000	ESPAS 30-A ULTRA RF			●		
PA5D040R11000	ESPAS 30-A ULTRA RF CIT-BUS		●	●		
PA5D040R12000	ESPAS 30-A ULTRA RF CIT-IP	●		●		
PA5D060R12000	ESPAS 30-A ULTRA RF CIT-IP T new	●		●		●
PA8D040R10000	ESPAS 30-AH ULTRA RF			●	●	
PA8D040R11000	ESPAS 30-AH ULTRA RF CIT-BUS		●	●	●	
PA8D040R12000	ESPAS 30-AH ULTRA RF CIT-IP	●		●	●	

Available in other configurations.

RECOMMENDED ACCESSORIES

Cp 21261 - **Ci** 2606001
KIT STATIONS ANCHOR BASE

Column anchor base for 20/30 entry/exit terminals

Cp D110945 - **Ci** 2607227
MAGNETIC LOOP 5MT

High sensivity pre-cabled magnetic loop (10m tail x 5m loop)

Cp D141784 - **Ci** 2607232
MAGNETIC LOOP 8MT

High sensivity pre-cabled magnetic loop (10m tail x 8m loop)

Cp D121711 - **Ci** 2605801
HEATER UNIT

Heater unit 60W for internal station/POF installation on DIN bar

Cp 385251 - **Ci** 2604460
TRAFFIC LIGHT 2 LED 100MM

Traffic light with two LED lights (red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

new **Cp** P800174 - **Ci** 2451276
TRAFFIC LIGHT 2 LED 200MM

Two LED lights (red/green), high brightness racing-style traffic light system for controlling movements. With LED bulbs. Diameter 200mm.

Cp 385256 - **Ci** 2604461
TRAFFIC LIGHT 3 LED 100MM

Traffic light with three LED lights (red - red - green) with high brightness for transit regulation. Complete with LED lamps. Diam. 100mm

Cp D413445 - **Ci** 2605793
TRUCK HEIGHT PEDESTAL 800MM

800mm height pedestal, with door, for entry/exit column

Cp D413530 - **Ci** 2605794
BUS HEIGHT PEDESTAL 600MM

600mm height pedestal, with door, for entry/exit column

Cp D113999 - **Ci** 2605754
LOOP DETECTOR LITE

2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase

Cp D113948 - **Ci** 2605737
LOOP DETECTOR PRO

2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.

Cp P800138 - **Ci** 2606835
KIT DENEB TO DENEB

Additional board used to communicate between two stations in "Two Ways" and "Double Height" configuration. For 30 system only.

Cp P800137 - **Ci** 2606776
KIT INTERLOCK FOR PARKING

Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

Cp 394071 - **Ci** 2604477
LBA FIXING BRACKET

Fixing bracket for LASER DETECTOR for ceiling or post mounted applications.

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp P800132 - **Ci** 2606775
485-TCP/IP CONVERTER KIT

The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.

Cp 394160 - **Ci** 2604482
PALO ø60 H3600

Galvanized steel pole support for panels and traffic lights. Diam. 60mm - h 3600mm

ESPAS 30-P ULTRA

The ESPAS 30-P ULTRA automatic pay station is designed to provide professional cabled car park systems with a device offering the highest performance for automatic cashier services.
The unit works in a wired network as a component between the other elements of the system.
Thanks to a clear division between the various components, a simple and modern graphic interface, audio and LEDs guides, the user is driven step-by-step during the payment operations.
Multiple versions of the payment station are possible thanks to an extreme modularity for satisfy every needs.

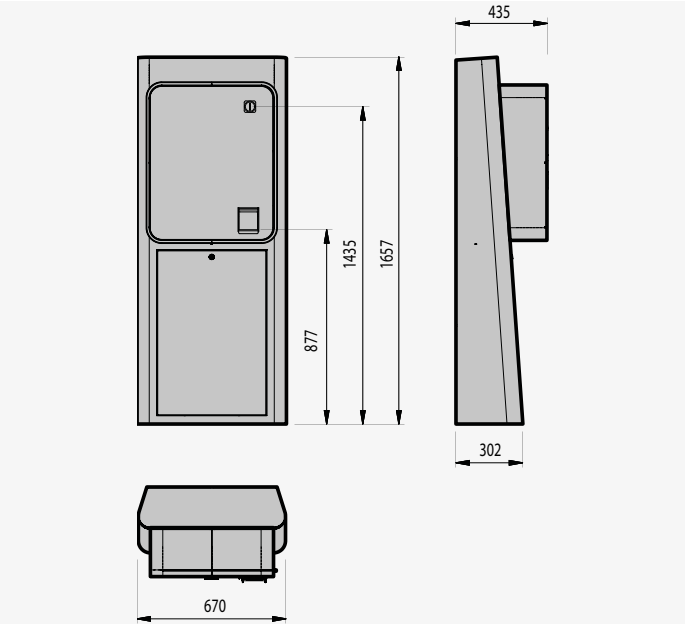
Basic components

Payment procedures assisted by dedicated screens.
High visibility RGB LEDs to immidiately indicate payment operations or possible devices issue.
7" high-resolution anti-vandal graphic touch screen display.
Motorized fanfold all-in-one ticket reader / printer module, with sensing of ticket direction.
Alarms management with notification to the parking server.
Dynamic help page to further assist the user during procedures.
Ticket informations
Dedicated operator menu with notification to server of operator access.
Dynamic change languages function.
"Print receipt" function.
"Lost ticket" payment function.
Discount ticket reading and validation function.
Automatic refund of missing change by scanning the receipt ticket at the automatic pay station.
Management of subscriptions and user information viewing.
Multilanguage voice guidance.
Payment by entering the vehicle number plate (in parking systems with ANPR).
SOS button to display customized emergency message.
125 kHz proximity RFID or 13,56 MHz MIFARE card reader for operators and subscriptions.
Door opening sensor with notification to the parking server.
Cooling fans and heating element with indipendent thermostats.
Ticket collection bin.
Opposed bar closure and security locks with burglar-proof technology.
Standard color RAL 7015.

Optional components

Coins Kit: self-refilling coin acceptor with change-giver for 6 denominations and coins collection box with security key.
Banknotes Kit: banknote acceptor with collection box and security key.
Hoppers Kit: 2 high volume self-refilling hoppers for coin storage expansion (configurable).
Recycler Kit: 2 denominations bill change-giver.
Credit Card Kit: chip & pin devices (pin-pad, reader, contactless).
Intercom Kit: bus or IP intercom with call button, microphone and speaker.
Customizable cabinet colour.
Additional services sale with dedicated menu.

Dimensions



Code	Name	Touch screen display	Ticket reader / printer module	IP intercom	Bus intercom	Banknote acceptor	Hopper for coins	Coin acceptor	Bancknote recycler	Credit card	Second barcode discount reading.
PA1D3A0R10000	**ESPAS 30-P ULTRA AED B R RF**	●	●			●			●		●
PA1D310R10000	**ESPAS 30-P ULTRA AED M RF**	●	●					●			●

Code	Name	Touch screen display	Ticket reader / printer module	IP intercom	Bus intercom	Banknote acceptor	Hopper for coins	Coin acceptor	Bancknote recycler	Credit card	Second barcode discount reading.
PA1D3F0R12000	ESPAS 30-P ULTRA AED M B H R RF CIT-IP	●	●	●		●	●	●	●		●
PA1D3F0R10000	ESPAS 30-P ULTRA AED M B H R RF	●	●			●	●	●	●		●
PA1D3F0R11000	ESPAS 30-P ULTRA AED M B H R RF CIT-BUS	●	●		●	●	●	●	●		●
PA1D1A0R10000	ESPAS 30-P ULTRA AUD B R RF	●	●			●			●		●
PA1D105R10000	ESPAS 30-P ULTRA AUD CC-AUS RF	●	●							●	●
PA1D105R11000	ESPAS 30-P ULTRA AUD CC-AUS RF CIT-BUS	●	●		●					●	●
PA1D105R12000	ESPAS 30-P ULTRA AUD CC-AUS RF CIT-IP	●	●	●						●	●
PA1D110R10000	ESPAS 30-P ULTRA AUD M RF	●	●					●			●
PA1D1F0R10000	ESPAS 30-P ULTRA AUD M B H R RF	●	●			●	●	●	●		●
PA1D1F0R11000	ESPAS 30-P ULTRA AUD M B H R RF CIT-BUS	●	●		●	●	●	●	●		●
PA1D1F0R12000	ESPAS 30-P ULTRA AUD M B H R RF CIT-IP	●	●	●		●	●	●	●		●
PA1D1F5R10000	ESPAS 30-P ULTRA AUD M B H R CC-AUS RF	●	●			●	●	●	●	●	●
PA1D1F5R11000	ESPAS 30-P ULTRA AUD M B H R CC-AUS RF CIT-BUS	●	●		●	●	●	●	●	●	●
PA1D1F5R12000	ESPAS 30-P ULTRA AUD M B H R CC-AUS RF CIT-IP	●	●	●		●	●	●	●	●	●
PA1D4A0R10000	ESPAS 30-P ULTRA EUR B R RF	●	●			●			●		●
PA1D402R10000	ESPAS 30-P ULTRA EUR CC-FRA RF	●	●							●	●
PA1D402R11000	ESPAS 30-P ULTRA EUR CC-FRA RF CIT-BUS	●	●		●					●	●
PA1D402R12000	ESPAS 30-P ULTRA EUR CC-FRA RF CIT-IP	●	●	●						●	●
PA1D404R10000	ESPAS 30-P ULTRA EUR CC-DEU RF	●	●							●	●
PA1D404R11000	ESPAS 30-P ULTRA EUR CC-DEU RF CIT-BUS	●	●		●					●	●
PA1D404R12000	ESPAS 30-P ULTRA EUR CC-DEU RF CIT-IP	●	●	●						●	●
PA1D410R10000	ESPAS 30-P ULTRA EUR M RF	●	●					●			●
PA1D4F0R10000	ESPAS 30-P ULTRA EUR M B H R RF	●	●			●	●	●	●		●
PA1D4F0R11000	ESPAS 30-P ULTRA EUR M B H R RF CIT-BUS	●	●		●	●	●	●	●		●
PA1D4F0R12000	ESPAS 30-P ULTRA EUR M B H R RF CIT-IP	●	●	●		●	●	●	●		●
PA1D4F2R10000	ESPAS 30-P ULTRA EUR M B H R CC-FRA RF	●	●			●	●	●	●	●	●
PA1D4F2R11000	ESPAS 30-P ULTRA EUR M B H R CC-FRA RF CIT-BUS	●	●		●	●	●	●	●	●	●
PA1D4F2R12000	ESPAS 30-P ULTRA EUR M B H R CC-FRA RF CIT-IP	●	●	●		●	●	●	●	●	●
PA1D4F4R10000	ESPAS 30-P ULTRA EUR M B H R CC-DEU RF	●	●			●	●	●	●	●	●
PA1D4F4R11000	ESPAS 30-P ULTRA EUR M B H R CC-DEU RF CIT-BUS	●	●		●	●	●	●	●	●	●
PA1D4F4R12000	ESPAS 30-P ULTRA EUR M B H R CC-DEU RF CIT-IP	●	●	●		●	●	●	●	●	●
PA1D5A0R10000	ESPAS 30-P ULTRA GBP B R RF	●	●			●			●		●
PA1D503R10000	ESPAS 30-P ULTRA GBP CC-UK RF	●	●							●	●
PA1D503R11000	ESPAS 30-P ULTRA GBP CC-UK RF CIT-BUS	●	●		●					●	●
PA1D503R12000	ESPAS 30-P ULTRA GBP CC-UK RF CIT-IP	●	●	●						●	●
PA1D510R10000	ESPAS 30-P ULTRA GBP M RF	●	●					●			●
PA1D5F0R10000	ESPAS 30-P ULTRA GBP M B H R RF	●	●			●	●	●	●		●

Cp Code

Ci International code

U-Link

new New

Ph. Out Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
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safety devices - sensitive edges P. 290
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solenoid locks P. 291
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Code	Name	Touch screen display	Ticket reader / printer module	IP intercom	Bus intercom	Banknote acceptor	Hopper for coins	Coin acceptor	Bancknote recycler	Credit card	Second barcode discount reading.
PA1D5F0R11000	ESPAS 30-P ULTRA GBP M B H R RF CIT-BUS	●	●		●	●	●	●	●		●
PA1D5F0R12000	ESPAS 30-P ULTRA GBP M B H R RF CIT-IP	●	●	●		●	●	●	●		●
PA1D5F3R10000	ESPAS 30-P ULTRA GBP M B H R CC-UK RF	●	●			●	●	●	●	●	●
PA1D5F3R11000	ESPAS 30-P ULTRA GBP M B H R CC-UK RF CIT-BUS	●	●		●	●	●	●	●	●	●
PA1D5F3R12000	ESPAS 30-P ULTRA GBP M B H R CC-UK RF CIT-IP	●	●	●		●	●	●	●	●	●
PA1D607R10000	ESPAS 30-P ULTRA HRK CC-HRV RF	●	●							●	●
PA1D607R11000	ESPAS 30-P ULTRA HRK CC-HRV RF CIT-BUS	●	●		●					●	●
PA1D607R12000	ESPAS 30-P ULTRA HRK CC-HRV RF CIT-IP	●	●	●						●	●
PA1D6F0R10000	ESPAS 30-P ULTRA HRK M B H R RF	●	●			●	●	●	●		●
PA1D6F0R11000	ESPAS 30-P ULTRA HRK M B H R RF CIT-BUS	●	●		●	●	●	●	●		●
PA1D6F0R12000	ESPAS 30-P ULTRA HRK M B H R RF CIT-IP	●	●	●		●	●	●	●		●
PA1D6F7R10000	ESPAS 30-P ULTRA HRK M B H R CC-HRV RF	●	●			●	●	●	●	●	●
PA1D6F7R11000	ESPAS 30-P ULTRA HRK M B H R CC-HRV RF CIT-BUS	●	●		●	●	●	●	●	●	●
PA1D6F7R12000	ESPAS 30-P ULTRA HRK M B H R CC-HRV RF CIT-IP	●	●	●		●	●	●	●	●	●
PA1DCA0R10000	ESPAS 30-P ULTRA MXN B R RF	●	●			●			●		●
PA1DC10R10000	ESPAS 30-P ULTRA MXN M RF	●	●					●			●
PA1DCF0R12000	ESPAS 30-P ULTRA MXN M B H R RF CIT-IP	●	●	●		●	●	●	●		●
PA1DCF0R10000	ESPAS 30-P ULTRA MXN M B H R RF	●	●			●	●	●	●		●
PA1DCF0R11000	ESPAS 30-P ULTRA MXN M B H R RF CIT-BUS	●	●		●	●	●	●	●		●
PA1DDA0R10000	ESPAS 30-P ULTRA PLN B R RF	●	●			●			●		●
PA1DD06R10000	ESPAS 30-P ULTRA PLN CC-POL RF	●	●							●	●
PA1DD06R11000	ESPAS 30-P ULTRA PLN CC-POL RF CIT-BUS	●	●		●					●	●
PA1DD06R12000	ESPAS 30-P ULTRA PLN CC-POL RF CIT-IP	●	●							●	●
PA1DD10R10000	ESPAS 30-P ULTRA PLN M RF	●	●					●			●
PA1DDF0R10000	ESPAS 30-P ULTRA PLN M B H R RF	●	●			●	●	●	●		●
PA1DDF0R11000	ESPAS 30-P ULTRA PLN M B H R RF CIT-BUS	●	●		●	●	●	●	●		●
PA1DDF0R12000	ESPAS 30-P ULTRA PLN M B H R RF CIT-IP	●	●	●		●	●	●	●		●
PA1DDF6R10000	ESPAS 30-P ULTRA PLN M B H R CC-POL RF	●	●			●	●	●	●	●	●
PA1DDF6R11000	ESPAS 30-P ULTRA PLN M B H R CC-POL RF CIT-BUS	●	●		●	●	●	●	●	●	●
PA1DDF6R12000	ESPAS 30-P ULTRA PLN M B H R CC-POL RF CIT-IP	●	●	●		●	●	●	●	●	●

Available in other configurations.

RECOMMENDED ACCESSORIES

Cp P118005 - **Ci** 2606770
ADD ON SERVICES

Software Module for the Espas 30 Ultra for selling optional services such as entry to a reserved area, toilets, etc.

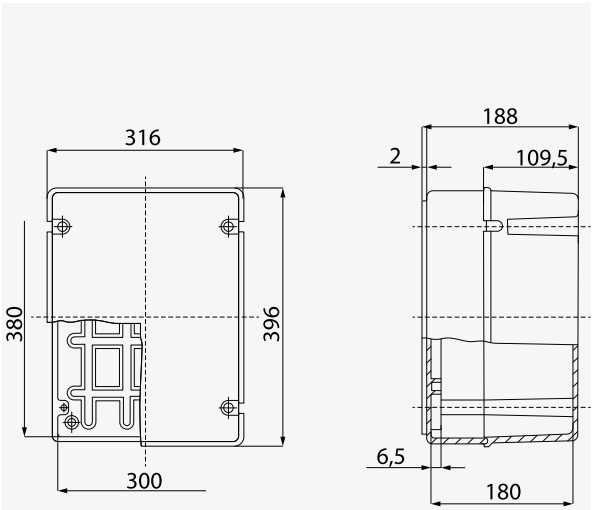
Cp D121711 - **Ci** 2605801
HEATER UNIT

Heater unit 60W for internal station/POF installation on DIN bar

QUADRO VARCO

The Quadro Varco is designed as a device for count management in wired systems within a parking area or sub-area, for entry/exit gates.
The parking management software can be used to control the operating modes of any barrier connected to the gate controller.
The device can manage up to 2 gates

URBAN ACCESS AUTOMATION



	QUADRO VARCO
Supply voltage	230 VAC ±10%, 50Hz-60Hz
Max power consumption	70 W
Operating temperature	-10 ÷ 50 °C
Sizes	316 x 396 x 188 mm
Standard communication interface	RS485
Protection rating	IP57

VERSIONS

Cp FP208002 - **Ci** 2606020
QUADRO VARCO

The Quadro Varco is a product that allows counting of entrances and exit of areas or sub-areas withinthe all Parking area.

RECOMMENDED ACCESSORIES

Cp D110945 - **Ci** 2607227
MAGNETIC LOOP 5MT

High sensivity pre-cabled magnetic loop (10m tail x 5m loop)

Cp D141784 - **Ci** 2607232
MAGNETIC LOOP 8MT

High sensivity pre-cabled magnetic loop (10m tail x 8m loop)

Cp D113999 - **Ci** 2605754
LOOP DETECTOR LITE

2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase

Cp D113948 - **Ci** 2605737
LOOP DETECTOR PRO

2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

Cp 394073 - **Ci** 2604478
LASER SAFETY SENSOR

Safety laser detector. Its used in combination with magnetc loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.

Cp 394071 - **Ci** 2604477
LBA FIXING BRACKET

Fixing bracket for LASER DETECTOR for ceiling or post mounted applications.

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp **Code**
Ci **International code**

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

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activation sensors automatic doors and security P. 287
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safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
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solenoid locks P. 291
release systems P. 292

QUADRO ESPAS 30

Quadro Espas 30 can manage proximity cards directly on the lane or at the POS
The unit works in a wired network
as a component between the other elements of the system.
It has the main function to manage entry and exit station

	QUADRO ESPAS 30 EN	QUADRO ESPAS 30 EA	QUADRO ESPAS 30 IN	QUADRO ESPAS 30 IA
Max power consumption	70 W	70 W	70 W	70 W
Operating temperature	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C
Sizes	392 x 420 x 180 mm	392 x 420 x 180 mm	316 x 396 x 188 mm	316 x 396 x 188 mm
Standard communication interface	RS485	RS485	RS485	RS485
Supply voltage	230 VAC ±10%, 50Hz-60Hz	230 VAC ±10%, 50Hz-60Hz	230 VAC ±10%, 50Hz-60Hz	230 VAC ±10%, 50Hz-60Hz
RFID card reader		●		●

VERSIONS

Cp P208005EN-B - **Ci** 2612641
QUADRO ESPAS 30 EN

Quadro Espas 30 can be placed aside the lane or at the POS. It works linked to the network of all elements of the Parking System. All function required to manage entry and exit are included. It includes: control board with display and programming joystick, RS485 interface, loop detector. For open air environment the version E with IP66 cabinet (fiberglass UV resistant and keylock) is available.

Cp P208005IN-B - **Ci** 2606061
QUADRO ESPAS 30 IN

Quadro Espas 30 can be placed aside the lane or at the POS. It works linked to the network of all elements of the Parking System. All function required to manage entry and exit are included. It includes: control board with display and programming joystick, RS485 interface, loop detector. IP56 version for in-house installation (I).

Cp P208005EA-B - **Ci** 2612640
QUADRO ESPAS 30 EA

Quadro Espas 30 with RFID 125kHz. It can be placed aside the lane or at the POS. It works linked to the network of all elements of the Parking System. All function required to manage entry and exit are included. It includes: control board with display and programming joystick, RS485 interface, loop detector. For open air environment the version E with IP66 cabinet (fiberglass UV resistant and keylock) is available.

Cp P208005IA-B - **Ci** 2612642
QUADRO ESPAS 30 IA

Quadro Espas 30 with RFID 125kHz. It can be placed aside the lane or at the POS. It works linked to the network of all elements of the Parking System. All function required to manage entry and exit are included. It includes: control board with display and programming joystick, RS485 interface, loop detector.IP56 version for in-house installation (I).

RECOMMENDED ACCESSORIES

Cp D110945 - **Ci** 2607227
MAGNETIC LOOP 5MT

High sensivity pre-cabled magnetic loop (10m tail x 5m loop)

Cp D141784 - **Ci** 2607232
MAGNETIC LOOP 8MT

High sensivity pre-cabled magnetic loop (10m tail x 8m loop)

Cp D113999 - **Ci** 2605754
LOOP DETECTOR LITE

2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase

Cp D113948 - **Ci** 2605737
LOOP DETECTOR PRO

2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.

Cp 394080 - **Ci** 2607023
PRESENCE AND SAFETY DETECTOR - LASER LOOPS

Presence and Safety laser detector. Its used as an alternative of magnetc loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.

Cp 394073 - **Ci** 2604478
LASER SAFETY SENSOR

Safety laser detector. Its used in combination with magnetc loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.

Cp 394071 - **Ci** 2604477
LBA FIXING BRACKET

Fixing bracket for LASER DETECTOR for ceiling or post mounted applications.

Cp 394075 - **Ci** 2607020
LASER DETECTOR REMOTE CONTROL

Remote control for settings Safety laser detector and Presence and Safety laser detector.

Cp P800138 - **Ci** 2606835
KIT DENEB TO DENEB

Additional board used to communicate between two stations in "Two Ways" and "Double Height" configuration. For 30 system only.

Cp P800137 - **Ci** 2606776
KIT INTERLOCK FOR PARKING

Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.

Cp P800132 - **Ci** 2606775
485-TCP/IP CONVERTER KIT

The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.

PARKING SERVER

The Server together with its SW manage the database of the Parking System and it includes back-up for all data.

VERSIONS

Cp FP206001 - **Ci** 2606015
PARKING SERVER

The Server together with its SW manage the database of the Parking System and it includes back-up for all data.

Cp FP206003 - **Ci** 2606017
PARKING SERVER EXT TEMP

Server version for extended temperature range(-20°C to +80°C), The Server together with its SW manage the database of the Parking System and it includes back-up for all data.

Cp P800147 - **Ci** 2613222
PARKING SERVER PRO

High performance server for car park management, ideal for systems with high data volumes, together with software concentrators and databases, for wired car parks.

RECOMMENDED ACCESSORIES

Cp P800171 - **Ci** 2613478
EXTENDED TEMPERATURE 8P SWITCH

Ethernet Switch with extended temperature range (-40°C to +70°C), 8 Ethernet Port.

Cp D112099 - **Ci** 2605688
ETHERNET SWITCH 8P

Ethernet Switch, 8 Ethernet Ports.

RECOMMENDED ACCESSORIES

Cp D114024 - **Ci** 2605666
ROUTER 4G LTE DUAL SIM EXT.TEMP.

Dual SIM (Micro SIM)router with extendet temperature (-40°C to +70°C) , 4G LTE, 2xEthernet port 10/100Mbps, 1 slot MicroSD, 4G/WIFI anntennas, DIN support and power supply

Cp P800145 - **Ci** 2605945
MONITOR FULL HD 21.5" WITH HDMI CABLE

21.5" Full HD Monitor with HDMI cable.

Cp P800157 - **Ci** 2613225
MOUSE AND KEYBOARD KIT

Kit includes USB mouse and keyboard, colour black.

Cp P800161 - **Ci** 2613228
ROAD ENCLOSURE WITH INSPECTION PLINTH

Road enclosure with inspection plinth. Lock with retractable handle and closing at three points. Resistance to weather, ageing and corrosion. Floor mounting frames to order separately.
Dimensions: 546 x 1110 x 308 (W x H x D)
Max load applicable on bottom wall: 65 kg

Cp P800162 - **Ci** 2613229
FLOOR MOUNTING FRAMES FOR ROAD ENCLOSURE

Floor mounting frames for road enclosure in steel with double protection treatment: galvanic treatment covered with a layer of epoxy paint. Screws in AISI 304 stainless steel.

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
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release systems P. 292

POS

POS and data management station with PC and Monitor. The integrated Janica SW allows a smart and user friendly solution for the Parking management and cashier function such as ticket payment, subscription management. All operation are recorded and available with various report type for the correct management of the Parking

VERSIONS

Cp FP205007 - **Ci** 2606013
POS CLIENT SLIM

POS including: PC slim type, all-in -one, 24" monitor, operating system, mouse, Keyboard, Janica License Full, barcode reader and support, auto trigger function for hand-held reading. ANPR management software not included.

Cp FP205003 - **Ci** 2606012
POS CLIENT

POS including: PC , 22" monitor, operating system, mouse, Keyboard, Janica License Full, barcode reader and support, auto trigger function for hand-held reading. ANPR management software not included.

Cp FP206002 - **Ci** 2606016
POS SERVER

POS including: PC , 22" monitor, operating system, mouse,Keyboard, Janica License Full and Database, barcode reader and support, auto trigger function for hand-held reading, RS232/RS485 converter and 10 proximity Card. ANPR management software not included.

RECOMMENDED ACCESSORIES

Cp 135138 - **Ci** 2605639
CASH DRAWER

Cash drawer compatible with receipt printers that emulate ESC/POS command. RJ11 terminal to connect to the receipt printer and activate the cash drawer automatically. Compatibility with receipt printer only.

Cp D114077 - **Ci** 2606007
RECEIPT PRINTER KIT

Roll-paper TCP/IP printer for customer's receipt for 30 system.
Includes: LAN cable, power supply, paper roll. LAN cable. Power supply, paper roll included.

RECOMMENDED ACCESSORIES

Cp P970048 - **Ci** 2604056
RECEIPT PRINTER ROLL PAPER

Roll paper for receipt printer. Ext. diam: 80mm. Int.diam: 12mm. Width: 84mm

Cp FP205015 - **Ci** 2605829
BC BONUS MASTER

Desktop Ticket validator and scanner including RS232/ RS485 converter, serial cable, power supply. Used also to add and additional barcode to a pre-printed ticket either time or fare discount.

Cp FP205005 - **Ci** 2605824
BC BONUS SLAVE

Desktop Ticket validator and scanner RS485 (RS232/RS485 converter, serial cable and power supply are NOT included). Possibility to associate to the barcode either time or fare discount.

Cp P800136 - **Ci** 2605924
BC BONUS LAN

Desktop Ticket validator and scanner LAN type icluding TCP-IP/RS232 converter, serial cable and power supply. Possibility to associate to the barcode either time or fare discount.

Cp D223127 - **Ci** 2605792
BC BONUS SCANNER SUPPORT

Table stand for Bc Bonus scanner

Cp P2010041E - **Ci** 2606049
ESPAS TICKET PRINTER

Online ticket & receipt printer to interface (via Usb) through POS manned station; compatible with fanfold ticket with gap The device's function is to print special tickets directly from the parking management software

Cp P2010042E - **Ci** 2606052
ESPAS OFFLINE DISCOUNT PRINTER

Off-line desk thermal printer used to print on the ticket an additional barcode tha gives a discount (can be time or amount) on the parking fare. This additional discount (barcode) are then deducted either at the POF or at the Exit station.

Cp D112048 - **Ci** 2605652
COURTESY DISPLAY

Courtesy display for 30 system manned station, to interface via 232+USB through POS station.

Cp D113984 - **Ci** 2605664
RFID ISOCARD DESK READER 125kHz

125kHz RFID Isocard reader for 30 system manned station, USB.

Cp D112086 - **Ci** 2605655
MIFARE ISOCARD DESK READER 13,56MHz

13,56MHz MIFARE Isocard reader for 30 system manned station, USB.

Cp P800171 - **Ci** 2613478
EXTENDED TEMPERATURE 8P SWITCH

Ethernet Switch with extended temperature range (-40°C to +70°C), 8 Ethernet Port.

Cp D112099 - **Ci** 2605688
ETHERNET SWITCH 8P

Ethernet Switch, 8 Ethernet Ports.

Cp D114024 - **Ci** 2605666
ROUTER 4G LTE DUAL SIM EXT.TEMP.

Dual SIM (Micro SIM)router with extendet temperature (-40°C to +70°C) , 4G LTE, 2xEthernet port 10/100Mbps, 1 slot MicroSD, 4G/WIFI anntennas, DIN support and power supply

Cp Code
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New
Phase-out

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JANICA SOFTWARE FULL

The Janica management software is the definitive solution for managing an Espas 30 or cabled car park system.
All operation can be easily done by a simple and intuitive graphic interface.
Janica is flexible and easily usable for every Parking System configuration being it simple or a complex one.

Main feature

Quick and reacting system for speeding up payment transactions.
Easy management of operator permission and sessions
Easy subscription management
Anti pass-back control
Customizable discount and fares with the possibility of simulating the effects
Pass management and possibility to convert it into ticket
It shows also license plate number (from the ANPR system) to easily manage payments.
Detailed reports with possibility to export them via different formats
Easy configuration and management of the parking system
Customizable counters for different parking areas
Management of lost ticket
Possibility to program proximity card for different functions.

System requirement

Operating System: Windows® 10
CPU: AMD® or Intel® Dual Core @ 3,40 GHz or greater
Graphic: Intel® HD Graphics 520
Memory: 4GB
Minimum free Disk space: 150MB
*Note: all system requirements are satisfied for server supplied by BFT.

VERSIONS

Cp P118001 - **Ci** 2606767
JANICA SOFTWARE FULL

Janica Full Software for cabled parking system management.

RECOMMENDED ACCESSORIES

Cp P800139 - **Ci** 2606836
KIT PARKING SERVER

Accessories kit for Server including: Ethernet switch 8 ports, RS232/RS485 converter with cable and power supply, 10 proximity RFID cards

Cp P800140 - **Ci** 2606837
KIT POS CLIENT

Accessories kit for POS Client including: barcode reader with auto-trigger function for hand-free use, LAN cable 1,5 mt, USB / RS232 cable.

Cp A200001 20004 - **Ci** 2607055
SOFTWARE INSTALLATION

The SOFTWARE INSTALLATION service includes the installation of a software module by one of our technicians.

Cp D114077 - **Ci** 2606007
RECEIPT PRINTER KIT

Roll-paper TCP/IP printer for customer's receipt for 30 system.
Includes: LAN cable, power supply, paper roll. LAN cable. Power supply, paper roll included.

Cp P970048 - **Ci** 2604056
RECEIPT PRINTER ROLL PAPER

Roll paper for receipt printer. Ext. diam: 80mm. Int.diam: 12mm. Width: 84mm

Cp P2010041E - **Ci** 2606049
ESPAS TICKET PRINTER

Online ticket & receipt printer to interface (via Usb) through POS manned station; compatible with fanfold ticket with gap
The device's function is to print special tickets directly from the parking management software

Cp D112048 - **Ci** 2605652
COURTESY DISPLAY

Courtesy display for 30 system manned station, to interface via 232+USB through POS station.

Cp D113984 - **Ci** 2605664
RFID ISOCARD DESK READER 125kHz

125kHz RFID Isocard reader for 30 system manned station, USB.

Cp D112086 - **Ci** 2605655
MIFARE ISOCARD DESK READER 13,56MHz

13,56MHz MIFARE Isocard reader for 30 system manned station, USB.

Cp P800158 - **Ci** 2613226
RS232 TO USB CABLE CONVERTER

RS-232 to USB cable converter. Used to connect devices with serial interface and DB9 connector.

Cp P800160 - **Ci** 2613227
POWERED USB HUB

7-port USB 2.0 hub, used to connect USB devices to laptops and PCs. Includes wall power adapter to ensure a stable connection even when using all ports.
System requirements: Windows 10,8,7 or Vista, USB port.

Software modules for wired Parking systems

URBAN ACCESS AUTOMATION

VERSIONS

Cp P118002 - **Ci** 2611393
DATABASE SOFTWARE

The Software Module for Parking Server icludes: database for the Parking Management and all central services for data aquisition.
MINIMUM SYSTEM REQUIREMENT
oPERATING sYSTEM: Windows® 10, Windows® Server 2019
CPU: AMD® or Intel® Dual Core @ 3,40 GHz or grater
Graphic: Intel® HD Graphics 520
Memory: 8GB
Disk free space: 50GB
*Note: all system requirements are satisfied for server supplied by BFT.

Cp P118003 - **Ci** 2606801
NEA ANPR SOFTWARE

This Software Module when installed into the Parking Server allows the ANPR interface for Nea Lite and Nea Plus

Cp P118004 - **Ci** 2606802
UNIVERSAL ANPR SOFTWARE

This Software Module when installed into the Parking Server allow the ANPR interface for any FTP cameras

Cp P118005 - **Ci** 2606770
ADD ON SERVICES

Software Module for the Espas 30 Ultra for selling optional services such as entry to a reserved area, toilets, etc.

RECOMMENDED ACCESSORIES

Cp P800139 - **Ci** 2606836
KIT PARKING SERVER

Accessories kit for Server including: Ethernet switch 8 ports, RS232/RS485 converter with cable and power supply, 10 proximity RFID cards

Cp P800140 - **Ci** 2606837
KIT POS CLIENT

Accessories kit for POS Client including: barcode reader with auto-trigger function for hand-free use, LAN cable 1,5 mt, USB / RS232 cable.

Cp A200001 20004 - **Ci** 2607055
SOFTWARE INSTALLATION

The SOFTWARE INSTALLATION service includes the installation of a software module by one of our technicians.

Cp P800158 - **Ci** 2613226
RS232 TO USB CABLE CONVERTER

RS-232 to USB cable converter. Used to connect devices with serial interface and DB9 connector.

Cp P800160 - **Ci** 2613227
POWERED USB HUB

7-port USB 2.0 hub, used to connect USB devices to laptops and PCs. Includes wall power adapter to ensure a stable connection even when using all ports.
System requirements: Windows 10,8,7 or Vista, USB port.

Cp **Code**
Ci **International code**

U-Link
New
Phase-out

EasyAxs: P. 282

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TUVA

TUVA is a UHF antenna for TAGS reading. It is available only for wired Parking Systems.
This antenna, placed close to a gate, allows the transit for vehicles bearing a valid TAG associated with a subscription.
This allows a seamless transit when approaching the gate.
The subscription associated to a TAG can be easily managed by the Janica Software.

URBAN

Tuva

	TUVA	TUVA LITE TCP/IP
Operating frequencies (EU)	865.6 ÷ 867.6 MHz	865.6 ÷ 867.9 MHz
Operating frequencies (US)	902.75 ÷ 925.25 MHz	902.75 ÷ 927.25 MHz
Reading distance	Up to 6 m	Up to 6 m
Sizes	300x300x60 mm	255x255x35 mm
Weight	2,3 kg	2,2 kg
Power(EU)	(e,r,p,) 2 W	W
Power (US)	(e,i,r,p,) 4 W	W
Interface	RS-232, RS-485, TCP/IP, Wiegand	TCP/IP, Wiegand
Supply voltage	12 - 24 Vdc	100-240V – 9VDC Vdc
Power consumption	10:12 W	1 W
Operating temperature	-40 ÷ 60 °C	-20 ÷ 70 °C
Number of digital inputs	3 isolated inputs	
Number of digital outputs	3 isolated outputs shared	
Application type	High traffic flow	Low/medium traffic flow
Number of relay outputs	1 relay output, 60VDC, 2A	

VERSIONS

Cp P800155 - **Ci** 2613223
TUVA

TUVA integrated UHF antenna, 6m range pole mounted. Black/white list onboard Easy to use and easy to install Very high performances Robust and weatherproof design, IP 66 Extended read-range, up to 6m (20ft) Identification by means of white list / black list

new **Cp** P800165 - **Ci** 2613355
TUVA LITE TCP/IP

TUVA Lite integrated UHF antenna , 6mtr range pole mounted. Easy to use and easy to install Performance and read speed compatible with small/medium systems for low vehicle flows. Works with passive tags Weatherproof Uses WIEGAND communication protocol. Can be configured via TCP/IP.

RECOMMENDED ACCESSORIES

Cp 145029 - **Ci** 2605647
TUVA UHF WINDSHIELD TAG

TUVA Tag (car dashboard). Only for TUVA reader.

Cp D141860 - **Ci** 2605689
UHF WINDSHIELD TAG BFT

UHF windshield tag BFT

Cp P800146 - **Ci** 2605925
UHF ISOCARD TAG - 25pcs

ISO card tag for UHF Antennas. Kit with 25 flexible and anti-humidity tags

Cp P975093 - **Ci** 2606791
KIT POWER SUPPLY NEA LITE / TUVA LITE

NEA LITE / TUVA LITE power supply kit: junction box IP56 and PGs, power supply 12VDC din rail mounting

NEA

NEA is a High Definition ANPR. It can be integrated in a wired Parking System for a seamless experience.
This device allows users with registered License Plate into the database to enter/exit from Parking withou any stop at the gate.
The camera has to be mounted close to the entry/exit stations and allows users with registered License Plate into the database to enter/exit from Parking without any stop by the stations.

URBAN

Nea

	NEA LITE G	NEA PLUS HD	NEA PLUS HD COLOR
Focus width range	1 lane	1 lane	1 lane
Digital I/O	2 in - 1 out	2 optoisolated inputs – 2 relay outputs	2 optoisolated inputs – 2 relay outputs
ANPR distance	3 ÷ 8 m	3 ÷ 8 m	3 ÷ 8 m
Sizes	124x108x296,5 mm	178x90x133 mm	178x90x133 mm
Supply voltage	PoE, 12 Vdc	PoE, 24 Vdc	PoE, 24 Vdc
Power consumption	12 W	13 W	13 W
Operating temperature	-30 ÷ 65 °C	-40 ÷ 55 °C	-40 ÷ 55 °C
Operating humidity	10% to 90% non condesing	10% to 90% non condesing	10% to 90% non condesing
Weight	1,9	1,5	1,5
Lens type	Motoriz./Auto Iris	CS-Mount	CS-Mount

VERSIONS

Cp P975095 - **Ci** 2613465
NEA LITE G

NEA Lite is an ANPR camera to read vehicle registration plates in areas with low traffic flows. It can be integrated in a wired Parking System for a seamless experience. This device allows users whose registration plate is registered in the database to enter/exit the car park quickly and easily. The configuration menu allows users to select the installation country. The camera can manage a white list via a text file, which can be imported using a browser.

Cp 139088 - **Ci** 2605996
NEA PLUS HD

NEA Plus is a High Definition ANPR camera to read vehicle registration plates in areas with high traffic flows. It can be integrated in a wired Parking System for a seamless experience. This device allows users whose registration plate is registered in the database to enter/exit the car park quickly and easily. The camera can manage a white list via a text file, which can be imported using a browser.

Cp 139099 - **Ci** 2605998
NEA PLUS HD COLOR

NEA Plus Color is a High Definition ANPR camera to read vehicle registration plates in areas with high traffic flows. It can be integrated in a wired Parking System for a seamless experience. This device allows users whose registration plate is registered in the database to enter/exit the car park quickly and easily. The camera can manage a white list via a text file, which can be imported using a browser.

RECOMMENDED ACCESSORIES

Cp D114176 - **Ci** 2606010
KIT NEA LITE POLE MOUNTING

Pole mounting kit for Nea Lite camera.

Cp P975093 - **Ci** 2606791
KIT POWER SUPPLY NEA LITE / TUVA LITE

NEA LITE / TUVA LITE power supply kit: junction box IP56 and PGs, power supply 12VDC din rail mounting

Cp Code
Ci International code

U-Link
New
Phase-out

EasyAxs: P. 282

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SMARTLIGHT

SMARTLIGHT is a parking guidance system that helps the driver to easily find free parking spaces within the area.
Illuminated panels together with sensors that are detecting the state (empty/full) of a stall, the system helps the driver to easily find free spaces.
The parking operators can easily monitor the parking area efficiency thanks to the SW that graphically shows the empty/full areas. It also allows to have statistical analysis.

	SMARTLIGHT SINGLE SPACE SENSOR RGB	SMARTLIGHT VMS	SMARTLIGHT COMMUNICATION POINT MASTER V2
Supply voltage	48 VDC ± 10%	24 VDC ± 10%	230 VAC ± 10%
Protection rating	IP65	IP65	IP66 - IK10
Communication interface	RS485	RS485	RS485 – TCP/IP
Operating temperature	-20 ÷ 70 °C	-40 ÷ 60 °C	0 ÷ 50 °C

SMARTLIGHT SINGLE SPACE SENSOR RGB

All-in-one Ultrasonic sensor for detecting free/occupied parking stall.
The lights shows if the stall is free or occupied.
Reliability and high performance permits immediate status change at any variation in space occupancy.

URBAN

Main feature

Integrated solution for the Parking management.
RGB LED and high visibility on all sides.
Flexible installation.
Maintainance free device

Operations

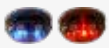
The sensor detects the status of the parking stall by measuring the distance with ultrasonic technology.
When a vehicle occupy the parking stall the device detects it and gives the indication of "occupied".
LED's change from Green (free space) to Red (occupied)

	SMARTLIGHT SINGLE SPACE SENSOR RGB	SMARTLIGHT SINGLE SPACE SENSOR RB
Supply voltage	48 VDC ± 10%	24 VDC ± 10%
Max power consumption	53 mA	(ciascun sensore) 35 mA
Sizes	177 x 133 x 89 mm	Ø 125 x 58 mm
Protection rating	IP65	IP54
Communication interface	RS485	RS485
Recommended connection	18 AWG 4-conductors + shielded wire	18 AWG 4-conductors + shielded wire
Operating temperature	-20 ÷ 70 °C	-20 ÷ 70 °C
LED brightness		Blue: 4180 mcd - Red: 4180 mcd

VERSIONS

Cp D114201 - **Ci** 2613196
SMARTLIGHT SINGLE SPACE SENSOR RGB

All-in-one Ultrasonic sensor for detecting free/occupied parking stall. Thanks to the RGB LEDs, it is possible to signal the presence of a free/occupied or special space, such as a parking lot(s) reserved for disabled people, VIPs, etc. Reliability and high performance permits immediate status change at any variation in space occupancy.



Cp 135838 - **Ci** 2605990
SMARTLIGHT SINGLE SPACE SENSOR RB

All-in-one Ultrasonic sensor for detecting free/occupied parking stall. LED's change status blu/red respectively for free/occupied stall. Used for giving indication on the status of a "special" area/stall. The high performancies of this device guarantee a quick status change of the parking stall

Cp **Code**
Ci **International code**

U-Link
New
Phase-out

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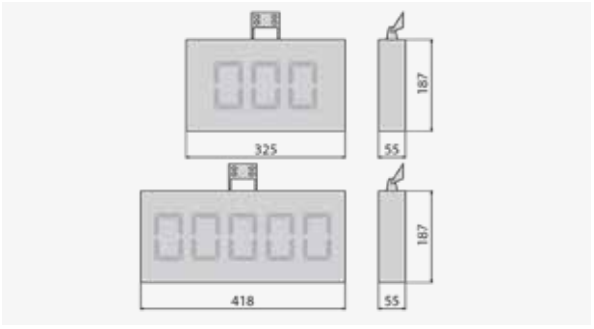
SMARTLIGHT VMS

RGB full-color display showing status of each stall of the parking area in real time.



Main feature

Color graphic content and text
Suited for both ceiling or lane side installation
LED type: high light intensity, wide angle, RGB

Operations

Matrix led color display; it offers a large variety of combination of graphic and text
Various selectable characters, text size, symbols etc
Dot pitch: 11,55 mm - great readability also from long distance (tenths of meters)
Indication of all directions, wheelchair or other graphic indications.
Available with 3 or 4 digits
RS485 connection

	SMARTLIGHT VMS 3D	SMARTLIGHT VMS 4D
Supply voltage	24 VDC ± 10%	24 VDC ± 10%
Max power consumption	50 W	50 W
Brightness	22,95 cd/m²	22,95 cd/m²
Operating temperature	-40 ÷ 60 °C	-40 ÷ 60 °C
Sizes	325x187x55 mm	418x187x55 mm
Protection rating	IP65	IP65
Communication interface	RS485	RS485
Recommended connection	18 AWG 4-conductors + shielded wire	18 AWG 4-conductors + shielded wire

VERSIONS

Cp 135841 - **Ci** 2605992
SMARTLIGHT VMS 3D

RGB full-color display showing status of each stall of the parking area in real time. IP65 box for indoor/outdoor use, 3 LED digit indicating free spaces, brakets , 24V Power supply, adjustable intensity.

Cp 135843 - **Ci** 2605994
SMARTLIGHT VMS 4D

RGB full-color display showing status of each stall of the parking area in real time. IP65 box for indoor/outdoor use, 4 LED digit indicating free spaces, brakets , 24V Poer supply, adjustable intensity.

SMARTLIGHT VISUAL CONTROL SOFTWARE

Sofware management for the PGS Smartlight.
Graphical user interface and communication service for parking guidance systems.
It communicates to all installed devices and displays real-time parking availability, counting device statuses, and sign information.
This system enables users to view and export numerical and graphical parking information statistics, providing occupancy information.

Main feature

Real time overall situation of the Parking area.
Reports including turnover, alarms and occupancy can be differentiated by floor.
Customizable reports
Customizable lay-out of the Parking area and location of the devices
Full control and programming for panels and LED sensors
Full monitoring of alarms for panels, variable message panels and LED sensors
Possibility to program booked areas/stalls
Areas/floor counters

System requirement

Operating System: Windows®10, Windows Server®2019
CPU: Intel Xeon E-2124 3.30GHZ C4/T4
Required: 16 GB RAM (minimum)
Hard Drive: minimum 400 MB free disk space
Database: Microsoft® SQL Server
*Note: all system requirements are satisfied for server supplied by BFT.

VERSIONS

Cp D114200 00001 - **Ci** 2613191
SMARTLIGHT VISUAL CONTROL SOFTWARE - 400 - Price available on request

Sofware management for the PGS Smartlight. Graphical user interface and communication service for parking guidance systems. It communicates to all installed devices and displays real-time parking availability, counting device statuses, and sign information. This system enables users to view and export numerical and graphical parking information statistics, providing occupancy information. Software for systems with up to 400 sensors.

Cp D114200 00002 - **Ci** 2613192
SMARTLIGHT VISUAL CONTROL SOFTWARE - 650 - Price available on request

Sofware management for the PGS Smartlight. Graphical user interface and communication service for parking guidance systems. It communicates to all installed devices and displays real-time parking availability, counting device statuses, and sign information. This system enables users to view and export numerical and graphical parking information statistics, providing occupancy information. Software for systems with up to 650 sensors.

Cp D114200 00003 - **Ci** 2613193
SMARTLIGHT VISUAL CONTROL SOFTWARE - 1350 - Price available on request

Sofware management for the PGS Smartlight. Graphical user interface and communication service for parking guidance systems. It communicates to all installed devices and displays real-time parking availability, counting device statuses, and sign information. This system enables users to view and export numerical and graphical parking information statistics, providing occupancy information. Software for systems with up to 1350 sensors.

Cp D114200 00004 - **Ci** 2613194
SMARTLIGHT VISUAL CONTROL SOFTWARE - 2700 - Price available on request

Sofware management for the PGS Smartlight. Graphical user interface and communication service for parking guidance systems. It communicates to all installed devices and displays real-time parking availability, counting device statuses, and sign information. This system enables users to view and export numerical and graphical parking information statistics, providing occupancy information. Software for systems with up to 2700 sensors.

Cp D114200 00005 - **Ci** 2613195
SMARTLIGHT VISUAL CONTROL SOFTWARE - UNLIMITED - Price available on request

Sofware management for the PGS Smartlight. Graphical user interface and communication service for parking guidance systems. It communicates to all installed devices and displays real-time parking availability, counting device statuses, and sign information. This system enables users to view and export numerical and graphical parking information statistics, providing occupancy information. No limits on installed sensors.

RECOMMENDED ACCESSORIES

Cp P800163 - **Ci** 2613230
SERVER PC

Tower Server with Windows Server 2019 OS.

Cp P800145 - **Ci** 2605945
MONITOR FULL HD 21.5" WITH HDMI CABLE

21.5" Full HD Monitor with HDMI cable.

Cp P800157 - **Ci** 2613225
MOUSE AND KEYBOARD KIT

Kit includes USB mouse and keyboard, colour black.

Cp **Code**
Ci **International code**

U-Link
new New
Ph. Out Phase-out

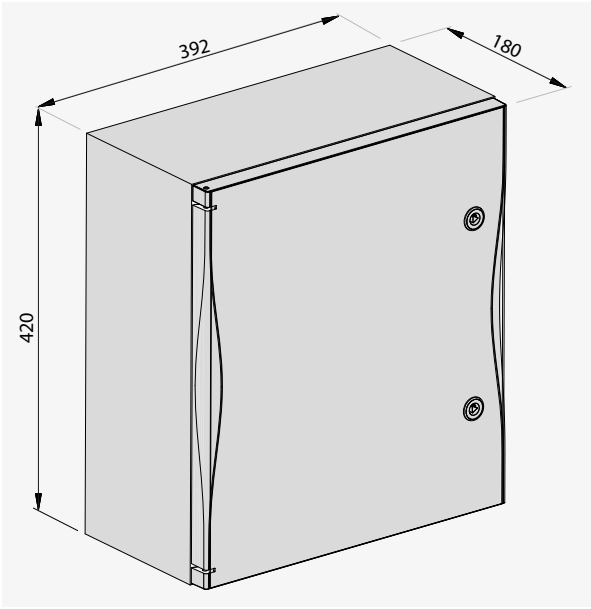
EasyAxs: P. 282

Accessories: P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

SMARTLIGHT COMMUNICATION POINT MASTER V2

Centralyzing control panel for PGS Smartlight.
Manages data collection of all connected devices (up to 96 sensors).
Complete with control unit, terminals, power supply and RS485/LAN communication device.



Basic components

Cabinet with UV protection.
Halogen free materials.
Zone controller.
RS485 / LAN converter.
Converter and Zone controller power supply.
Single space sensors power supply.
Variable message sign power supply.
Clamps with dedicated communication and power lines for sensors and sign connection.

Operations

The Zone controller uses 3 Bus to supply power and collect data from sensors (Max 96, 32 sensors each Bus).
For big areas it is possible to connect to the server more Zone controllers.
The Zone controller centralizes data to be transmitted to the Server; receive from the server the status of all devices; transmit information to the variable message indication panels.
The Zone controller collect also data for counters

	SMARTLIGHT COMMUNICATION POINT MASTER V2
Supply voltage	230 VAC ± 10%
Operating temperature	0 ÷ 50 °C
Sizes	450x656x220 mm
Protection rating	IP66 - IK10
Communication	RS485 – TCP/IP
Power consumption (zone controller)	230VAC / 0,35A
Power consumption (96 sensors)	230VAC/2,5A
Power consumption (panels)	230VAC / 1,3A

VERSIONS

Cp P208006M2 - **Ci** 2613203
SMARTLIGHT COMMUNICATION POINT MASTER V2

Centralyzing panel for PGS Smartlight Manages data collection of all connected devices (up to 96 sensors). Complete with control unit, terminals, power supply and RS485/LAN communication device.

Cp Code

Ci International code

U-Link

New

Phase-out

EasyAxs:
P. 282

Accessories:
P. 282

accessories for control units P. 282
access control P. 282
set of batteries for control units P. 282
b-eba - expansion boards P. 283
software P. 284
receivers P. 285
transmitters P. 285
control devices P. 286
activation sensors automatic doors and security P. 287
signalling devices P. 288
safety devices - photocells and accessories P. 288
safety devices - sensitive edges P. 290
rubber profiles P. 290
solenoid locks P. 291
release systems P. 292

BFT S.p.A. GENERAL TERMS OF SALE

1. DEFINITIONS

For the purposes of the interpretation of these general terms of sale (the "General Terms" or "GT") the terms indicated below will have the meaning attributed to them, with the singular including the plural and vice versa:

- **Contract:** the set of contractual documents that regulates the relationship between BFT S.p.A. and the Customer, including the documents, on paper, digital and/or on another lasting medium, even via the internet, required and/or cited by these General Terms, as well as the Offer and these General Terms together with the respective Annexes;
- **BFT S.p.A.**: the seller/supplier, a sole shareholder company, subject to management and coordination activity in accordance with Art. 2749-bis of the Italian Civil Code, with registered office in 36015 Schio (VI), Via Lago di Vico no. 40, VAT no., Tax Code and registration number at the Companies Register of Vicenza 00867710246;
- **Customer**: the company and/or professional who enters into the Contract with BFT S.p.A.;
- **Special Terms of Contract:** the document (identifiable also in the offer of BFT S.p.A. expressly citing the General Terms of Contract) containing the technical and operational specifications of the Products subject to the Contract as well as any provisions that derogate the General Terms;
- **Effective Date:** the date of entering into the Contract in accordance with Art. 3 of the GT;
- **Force Majeure:** any objective and unforeseeable event or circumstance, outside the control of the affected Party, that could not be reasonably avoided and that has the effect of impeding a Party in fulfilling one or all of its obligations envisaged by the Contract;
- **Working Day:** any calendar day from 8am to 6pm, with the sole exception of Saturdays and Sundays and other national public holidays in Italy;
- **Instructions for Use:** any installation, use and maintenance instructions attached to the Contract by BFT S.p.A.;
- **Applicable Laws** means domestic or state and/or European legislation, even regional, provincial and municipal, orders, decrees, regulations and rules of any public authority having jurisdiction over the execution of the obligations of the Parties indicated in the Contract;
- **Sale Offer:** this means the document prepared by BFT S.p.A. containing the Product characteristics, the prices, the validity of the offer and the attached General Terms;
- **Party or Parties:** individually BFT S.p.A. and the Customer and, jointly, both;
- **Product(s):** the product sold by BFT S.p.A. by way of each Contract;

2. SCOPE OF APPLICATION OF GENERAL TERMS

2.1 These General Terms apply to every Contract entered into between BFT S.p.A. and the Customer, for the sale of the Products.

2.2 Any derogations, modifications and/or additions to the GT will only be valid if accepted in writing by BFT S.p.A. The GT remain valid and effective even if BFT S.p.A. carries out, without reserves, a supply or a performance, despite being aware of different or contrary terms of the Customer. The Customer recognises that these General Terms are binding even if its order or correspondence contrasts with them.

2.3 In addition to these General Terms, each Contract between BFT S.p.A. and the Customer will be regulated by the Special Terms indicated in the BFT S.p.A. Order Confirmation. If there is any conflict between the

General Terms and the Special Terms contained in the Offer and/or in the Order Confirmation, the latter will prevail over the General Terms.

2.4 These General Terms are available on the website www.bft-automation.com

2.6 No terms of any nature affixed on orders and/or other documents sent by the Customer will be applicable unless expressly accepted in writing by BFT S.p.A., as those different terms are not binding even by virtue of tacit consent.

3. CONCLUSION OF CONTRACT

3.1 Offers sent by BFT S.p.A., even by way of its agents, representatives or distributors, constitute a mere solicitation of a purchase order which is not binding for BFT S.p.A., also with reference to specifications and/or data relating to the Products. Sales offers made by BFT S.p.A. are exclusively valid for a period of 30 calendar days with effect from the date of the same and will be understood to be valid only for the entirety of the Products included in the same, with no possibility of partial acceptance. Orders must be sent in writing (by e-mail or fax with proof of receipt) by the Customer to BFT S.p.A., indicating the Product code, article and ordered quantity, as well as the Customer's full, exact and truthful tax details, attaching a copy of these GT duly signed and the Special Terms. The Customer undertakes to communicate immediately any change to its contact details and/or tax data to BFT S.p.A.

The purchase order sent to BFT S.p.A. by the Customer constitutes an irrevocable offer having a term of 30 (thirty) days with effect from its receipt pursuant to Art. 1329 of the Italian Civil Code. Purchase orders accepted by the Seller with the Order Confirmation may not be cancelled or modified by the Customer without the written consent of BFT S.p.A.. The transmission of the Customer's purchase order, by the aforementioned methods, involves full acceptance of these GT. BFT S.p.A. reserves the right to add, modify or remove these GT, in whole or in part, up until the Contract with the Customer has been finalised in accordance with Art. 3.2 below.

3.2 The sales Contract is understood to be finalised once 8 (eight) days have elapsed from the date of receipt by the Customer of the BFT S.p.A. Order Confirmation, also containing the Special Terms of Contract.

3.3 The Contract must be signed by persons having the necessary powers, recorded by a power of attorney or proxy.

3.4 The sales Contract finalised following the Order Confirmation replaces any other commitment, contract or understanding, written or verbal, made previously between the Parties.

4. DELIVERY TERMS

4.1 The terms and methods of delivery are those indicated in the Order Confirmation. If the delivery terms and methods are not indicated, BFT S.p.A. undertakes to deliver the Products as soon as possible. For multiple deliveries, if some Products are unavailable, BFT S.p.A. may make the partial delivery of the available Products once the price for the specific Contract has been paid.

4.2 The delivery terms do not constitute essential terms in accordance with Art. 1457 of the Italian Civil Code and, in any case, they do not include transportation times; BFT S.p.A. does not accept any liability for delays due to the carrier/transporter.

4.3 For the purposes of respect of the delivery terms, the Customer must have fulfilled its obligations that make it possible to execute them, therein including providing the necessary documentation and making payment of what is due; in the event of a delay by the Customer, the delivery term will be extended correspondingly.

4.4 In no case will any delays by BFT S.p.A. in delivering the Product entitle the Customer to terminate the Contract and/or to claim any compensation for damages; the Customer hereby waives in advance the right to make any dispute, demand, objection and/or counter-claim in that regard.

4.5 If the Customer is aware that it is unable to receive the Products, it must promptly inform BFT S.p.A., indicating the reason for that impossibility and an appropriate period in which it expects to be able to receive the Products.

4.6 If the delivery is delayed for a reason attributable to the Customer, the cost for storing the Products at BFT S.p.A. will be charged to the Customer itself, in the sum of €100.00 (one hundred Euros) per day of delay, notwithstanding that the risk of damage, depreciation, loss and/or theft of the same will transfer to the Customer commencing from the agreed delivery date. If the Products are not collected or if the Customer unjustifiably refuses to collect the Products, BFT S.p.A. will have the right to terminate the Contract, retaining the sums received; it may demand the full payment of

the balance of the price, as well as sell the Products in question to third parties.

4.7 The Customer confirms receipt of the Products by signing the delivery note for the same.

5. PACKAGING

5.1 The cost of standard packaging used by BFT S.p.A. is included in the Product price. The use of special packaging may be agreed in writing, with costs borne by the Customer.

5.2 In any case, BFT S.p.A. reserves the right to determine the best type of packaging, taking account of the transportation requirements, subject to specific needs of the Customer specified in the purchase order and accepted by BFT S.p.A. in the Order Confirmation.

6. CUSTOMER'S OBLIGATIONS

6.1 Without prejudice to all other obligations in accordance with these GT and the Contract, the Customer must:

- pay the Price indicated in Art. 7;
- be in possession of the facilities and means necessary for the correct use of the Products, know their characteristics and possess the necessary knowledge and technological capacity, in conformity with the Instructions for Use, which it hereby undertakes to respect;
- facilitate, in any possible form, installation and testing work, where envisaged;
- use specialist companies for maintaining the Product;
- comply with and respect all legislation and regulations on the sale of the Products, including good commercial practices;
- indemnify and hold harmless BFT S.p.A. from and against any direct or indirect damage, loss, cost or charge, incurred by BFT S.p.A. due to any violation of the GT or the applicable legislation by the Customer.

6.2 BFT S.p.A. will not be liable in any way for the delivery of Products that are not compliant with the technical requirements and standards in force in the Customer's country of destination, as it is the Customer's exclusive responsibility to identify the technical requirements and standards in force in the country of destination of the Products.

7. PRICE AND PAYMENT TERMS

7.1 BFT S.p.A. will apply the price indicated in the Contract. If the price is not expressly indicated, the price applied by BFT S.p.A. for the Product in question will apply, according to the price list in force.

7.2 If changes occur to the circumstances and conditions that affect the formation of the price (in particular, foreign exchange fluctuations or changes of taxes, duties and customs fees) entering into force in the period between the BFT S.p.A. offer and the delivery date, BFT S.p.A. will have the right to adjust the prices applied to the Products, notifying the Customer thereof.

7.3 The price is always shown in Euros and does not include any applicable legal VAT (VAT excluded).

7.4 Unless otherwise agreed in writing with the Customer, the prices are understood to be for goods with standard packaging included, excluding transportation, , at one of the sites of BFT S.p.A. communicated by back office.

7.5 Unless otherwise agreed in writing with the Customer, the Customer bears the costs of customs fees, taxes and duties of any nature and type and the costs however due in relation to the Contract. The Customer shall reimburse any sums paid in advance by BFT S.p.A. as payment for the aforementioned items.

7.6 Any complaints or disputes will not in any case entitle the Customer to defer or omit the payment or reduce the price.

8. INVOICING AND PAYMENT

8.1 The payment terms and methods are indicated and/or cited in the Order Confirmation.

8.2 For payments made by bank transfer, only the actual date of credit of the amount to the bank account of BFT S.p.A. will be relied upon, using the bank details indicated in the invoice.

8.3 In the event of a payment delay and/or irregularity by the Customer, BFT S.p.A. will have the right to apply default interest on the amount still due, to the extent envisaged by law in accordance with Italian Legislative Decree 231/2002 without prejudice, in any case, to the right of BFT S.p.A. to claim compensation for the greater damage suffered. In the event of lack of, irregular or delayed payment, any sum due in any capacity from the Customer to BFT S.p.A. will also become immediately payable.

8.4 Any lack of or delayed payment, even partial, of the agreed price will entitle BFT S.p.A. to suspend the execution of the Contract until the sums due have been paid in full or to terminate the Contract with all legal consequences; this also applies if the Contract involves the split delivery of the Products or the payment of an

advance prior to delivery.

8.5 In any case, BFT S.p.A. will have the right to suspend the execution of the Contract or to terminate the same if the financial and/or equity conditions of the Customer are likely to endanger the respective payment or when the Customer has not made the prompt and exact payment of Products already delivered by BFT S.p.A., even as part of previous supplies.

8.6 In no case will defects and/or deformities of the Products, even if recognised by BFT S.p.A., or delivery delays, or lack of or delayed collection by the Customer grant to the latter the right to suspend the payments due to BFT S.p.A. by virtue of the Contract or other contractual relationships ("solve et repete" clause).

8.7 In the case of a new Client or in the case of an Order placed by a Client regarding whom the Seller's insurer has issued a negative opinion, the amount due shall be paid prior to delivery or Seller may require an advance payment from such Client. The Seller may grant the Client specific payment terms after prior analysis of the Client's solvency by the insurer or by the Seller's accounting department.

9. WARRANTY

9.1 The Products supplied by BFT S.p.A. are manufactured, packaged and sold in conformity with the industry regulations in force in Italy.

9.2 BFT S.p.A. also guarantees that the Products are compliant with the technical specifications contained in the Order Confirmation and is liable only in relation to deformities of the Products with respect to the aforementioned technical specifications.

9.3 Unless otherwise agreed between the Parties, the Products will be covered by a warranty period for defects of 24 months from acceptance (the "Warranty Period"). With reference to Parking Systems, the Warranty Period will be 12 months from acceptance or, where applicable, from the testing date, as certified by the appropriate report dated and signed by the Parties.

9.4 The warranty covers only manufacturing defects of the Products and defects relating to the materials used,

not including alterations of the Products caused by improper use by the Customer or by negligence, voluntary damage, incorrect mechanical and/or electrical and/or electronic and/or software installation after the sale made by BFT S.p.A., tampering, inadequate or improper attempted repairs carried out by unauthorised personnel external to BFT S.p.A., use of unoriginal spare parts and, more generally, all defects not attributable to the Product originally delivered.

9.5 The subject of the warranty concerns only the composition and replacement materials of the Product(s) as well as the labour of the manufacturer and/or the support centre authorised by the same to repair the goods.

9.6 In the event of a fault with a Product installed by the Customer (component, installation kit, installation accessories) the labour necessary to disassemble, re-assemble and reconfigure the Product within the same is also always excluded, along with any accessory cost incurred by the Customer.

9.7 To exercise the warranty or right of withdrawal, the original pack and complete packaging must be retained, along with the manuals and all original accessories present in the pack when the Product is purchased.

9.8 The Customer must promptly check before using the Products that they are intact and free from defects. Under penalty of forfeiture of the warranty, the Customer must report in writing, by recorded delivery letter with notice of receipt or by certified email, any ascertained defects and/or deformities by and not beyond 8 (eight) days from the delivery date of the Products, or, in the case of hidden defects, by and not beyond 8 (eight) days from discovering the same. The burden of proof in relation to the date of discovery is held by the Customer.

Unless otherwise agreed in writing between the Parties, all accessory costs for the replacement interventions will be at the expense and risk of the Customer.

9.9 The warranty is always and in any case excluded if the defects and/or deformities reported by the Customer have been determined by the following causes:

I) installation of the Product not compliant with the instruction manual provided by the manufacturer of the same or by BFT S.p.A. (on paper and/or by digital medium); in particular, without limitation of the foregoing, BFT S.p.A. does not accept any liability in the event of a failure to respect the instructions for assembly and electrical connection or the electrical regulations or other specific rules in force at the time of installation as well as if accessories and mechanical components have been installed, used or connected which do not comply with the diagrams and types of connections for which they were designed;

II) use of the Product not compliant with its intended

use or limits on use, as indicated in the technical documentation attached to the Product itself and in any case supplied by BFT S.p.A. upon request, even before the supply;
III) lack of ordinary maintenance as indicated in the technical documentation attached to the Product or as regulated by the applicable regulations in force;
IV) faults due to external agents such as: electrical discharges, tampering, even accidental, knocks and falls, even accidental, exposure to liquids, humidity, steam, acids and any substance likely to damage the product, use in extreme environmental or thermal conditions, floods or other natural disasters;
V) removal or voluntary deletion of the serial number affixed on the Product;
VI) storage and/or custody of the Products in places and/or with methods that are unsuitable for their perfect conservation.
9.10 The repair or replacement of the Products during the Warranty Period does not involve any extension of the expiry date of the warranty and no compensation is provided for the period of non-use of the Product.

10. DEFECTS AND COMPLAINTS
10.1 In relation to defects and complaints regarding the Product, it is specified that:
a) any packaging defects must be reported in writing, under penalty of forfeiture, upon delivery;
b) no complaint about the quality and/or integrity of the Product and its packaging will be permitted if the Customer fails to make the Product available for the necessary assessments.
10.2 The Customer is obliged to store the Product that it assumes to be defective in an adequate location, making it available for the appropriate investigations and, in any case, doing everything necessary to reduce the risks of its further deterioration.
10.3 Upon discovering the defects, the Customer must immediately stop using the Product that it presumes to be defective and take all necessary measures to reduce any damage.
10.4 Any failure to submit complaints or disputes within the periods indicated above and/or any use of the Product by the Customer despite discovering the defects constitutes unconditional acceptance of the Product itself and a waiver of the right to make any related complaint and/or dispute.

11. CUSTOMER'S OBLIGATIONS IN THE CASE OF DEFECTS AND COMPLAINTS
11.1 The Purchaser must, in respect of the terms and conditions indicated in Articles 9 and 10, notify promptly all defects, including any apparent defects relating to quality and quantity.
11.2 For defects that may cause damage, the aforementioned communication must be given by the Customer to BFT S.p.A. immediately.
11.3 Any communication relating to defects of the Products must contain a description of each defect identified.
11.4 If the Customer fails to make the communication in the set terms, it forfeits the right to use the warranty.
11.5 If the Customer has notified of the defects in the set terms but no defect is ascertained, BFT S.p.A. may reject the complaint.
11.6 BFT S.p.A. will not be liable towards the Customer or third parties for any direct or indirect damages to persons or property or animals caused by use of the Product for purposes not appropriate to its nature and/or capacity and/or if the Product is used beyond its range or in the case of forced interruption of its use, as well as resulting from a failure to respect all requirements indicated in the instruction manual, with particular regard to the warnings on installation, configuration, use, maintenance and safety.

12. FORCE MAJEURE
12.1 BFT S.p.A. will not be liable for any delay in deliveries or for a breach caused directly or indirectly by:
a) Force Majeure events (including, by way of example, measures of the public authorities, wars, revolts, revolutions, strikes or other labour disputes, fires, floods, sabotage, nuclear incidents, earthquakes, storms, epidemics or pandemics);
b) circumstances, beyond the control of BFT S.p.A., that prevent the procurement of labour, materials, raw materials, components, systems in general, energy, fuel, means of transport, authorisations or government provisions.

13. INTELLECTUAL AND INDUSTRIAL PROPERTY RIGHTS
13.1 The intellectual and industrial property rights which, by way of example but without limitation, include data, designs, advertising brochures and technical documents, are owned entirely and exclusively by BFT S.p.A. and their communication and use as part of these GT does not create any right or

claim for the Customer. The Customer undertakes not to complete any act incompatible with the possession of the intellectual property rights.

13.2 The Customer undertakes, in particular:

a) to treat the information, data, designs, know-how and documents received and/or learned from BFT S.p.A. as confidential;

b) to limit the use of those information, confidential documents and respective accesses to purposes relating to the execution of the Contract;

c) not to reproduce, without the prior written agreement of BFT S.p.A., the confidential information and documentation;

d) to recognise that BFT S.p.A. is the exclusive holder of the trademark of the Products, where applicable;

e) not to use or register trademarks similar to and/or mistakable with the trademark of the Products.

14. PRIVACY AND CONFIDENTIAL INFORMATION

14.1 The Parties recognise that each of them may, during the execution of the Contract, reveal to the other confidential information relating to its business. Each Party undertakes to keep that information confidential and not to reveal the content of the same to third parties, to use that information only for the purposes of the Contract and to return the documents received which contain confidential information promptly at the request of the other Party.

14.2 That confidentiality obligation is understood to be extended to the representatives, consultants, auxiliaries, officers and third parties used by the Parties in executing the Contract.

15. SAFETY RULES

15.1 The Products are constructed in respect of Italian safety legislation. The Customer is exclusively responsible in relation to the legislation on safety and protection of public health in force in the country of destination, in which the Product is to be used; any cost relating to the conformity of the Product with the legislative provisions of the country of destination will be borne exclusively by the Customer.

16. TRANSFER OF OWNERSHIP

16.1 The Product delivered to the Customer will remain the property of BFT S.p.A. until the latter has received full payment of the price. The retention of title will not in any way affect the transfer of risks. Until the full price has been paid for the Products, even in the case of deferred payments, the Customer will be considered the simple holder of the same and must therefore store them with all due diligence in accordance with Art. 1768 of the Italian Civil Code. The Customer authorises BFT S.p.A. to complete, at the Customer's expense, every formality necessary to ensure the retention of title is enforceable on third parties.

16.2 Any non-payment of even just one instalment exceeding the legal limits of tolerance will entitle BFT S.p.A. to terminate the Contract in accordance with Art. 1526 of the Italian Civil Code. In any case, the Parties agree that the instalment(s) paid will be retained by BFT S.p.A. by way of indemnity and fair compensation for use of the Products. This is expressly without prejudice to the right of BFT S.p.A. to take legal action for compensation for any greater damage suffered.

16.3 Unless otherwise agreed in writing, the risk of depreciation and accidental deterioration, as well as damage caused by or to the Product, transfers to the Customer at the same time as BFT S.p.A. communicates that the Product is available to it.

16.4 The loss or deterioration of the Product occurring after the transfer of risks to the Customer does not release the latter from its obligation to pay the price.

16.5 In conformity with the provisions of Art. 9.9, the Customer must check the Products promptly before using them, examining the packaging, taking custody of the documents and communicating immediately in writing to BFT S.p.A. any ascertainable defects, for the purposes of the warranty provided by BFT S.p.A.; failing that, the Products will be considered to be approved.

17. PROHIBITION ON ACTS OF DISPOSAL

17.1 Until the time of transfer of ownership to the Customer, the Products may not be alienated, sold or transferred in any way or delivered on pledge or in guarantee; if the aforementioned prohibitions are violated, BFT S.p.A. reserves the right to terminate the respective Contract with immediate effect in accordance with and for the effects of Art. 1456 of the Italian Civil Code, without prejudice to the exercise of any other action or protection both in the civil and criminal venue.

17.2 If any enforcement procedures affect the delivered Products, the Customer must immediately inform BFT S.p.A. by recorded delivery letter with notice of receipt or certified email. Failing that, BFT S.p.A. will have the right to terminate the Contract with immediate effect, retaining by way of penalty any sums already paid and

without prejudice to further damages and the recovery of costs incurred.

18. RESALE

18.1 In the event of resale of the Products by the Customer, BFT S.p.A. will not be liable for any claim or action of third parties.

19. EXPRESS TERMINATION CLAUSE - LIMITATION OF LIABILITY

19.1 Without prejudice to any other Contract provisions or these Terms and Conditions, BFT S.p.A. will have the right to terminate individual Contracts pursuant to and in accordance with Article 1456 of the Italian Civil Code by simple written notice to the Customer and without prejudice to the right to compensation for damages suffered, or that might be suffered, in the following cases:

a) assignment of the Contract without the prior written approval of BFT S.p.A.;

b) Customer's failure to comply with the payment terms set out in the Contract;

c) marketing of Products by the Customer to entities not suitably qualified and specialized for the purpose of ensuring full information to the end user on the technical and operational features of the Products and their correct installation and safe use;

d) violation of the provisions of the Code of Ethics of BFT S.p.A., referred to in the article below;

e) conviction on a final basis of the Customer's representatives, directors and/or shareholders or in the event that Customer's financial situation is such as to jeopardize the fulfilment of the obligations under the Contract or its representatives, directors and/or shareholders are subject to criminal prosecution.

19.2 Unless otherwise agreed in writing between the Parties, all rights to compensation for damages, reduction of the price and withdrawal from the Contract that are not expressly cited in these GT are excluded for the Customer. The Customer is not entitled to compensation for any damage consequent to the suspension of production, loss of enjoyment, loss of orders, loss of earnings and/or other direct or indirect damages.

19.4 Any liability of BFT S.p.A. is excluded, except where this is due to wilful intent or gross negligence. Any compensation that BFT S.p.A. is required to pay for any damage proven by the Customer may not exceed an amount equal to 5% of the price of the Contract as indicated in the Order Confirmation.

20. WITHDRAWAL

20.1 BFT S.p.A. will have the right to withdraw unilaterally from the Contract at any time, irrespective of the execution status of the same, with prior written notice to be sent to the Customer, by recorded delivery letter with notice of receipt, at least 60 (sixty) days before the effective date of the withdrawal.

20.2 The withdrawal of BFT S.p.A. will have effect from the day indicated to the Customer as the effective date of the withdrawal in the aforementioned communication.

20.3 Unless otherwise envisaged in the Contract, after the withdrawal by BFT S.p.A. any right of the Customer to any claim, even for compensation, as well as any fee or indemnity and/or reimbursement, is excluded.

20.4 The Customer may withdraw from the Contract if it provides proof that the performance of BFT S.p.A. is impossible due to wilful intent or gross negligence of BFT S.p.A.. Failing that, BFT S.p.A. will have the right to retain the advances received by way of indemnity for executing the Contract in relation to the part of the performance provided, to claim the payment of the residual price by way of conventional penalty and to claim compensation for damages suffered.

21. PERSONAL DATA PROCESSING

21.1 Upon receiving the offer and/or registering to the BFT Website, the Customer expresses its consent to personal data processing, in accordance with Art. 13 GDPR - Regulation (EU) 2016/679 and the national legislation on data protection, subject to reading the specific privacy policy available in the full version on the BFT Website.

21.2 Personal data are processed in respect of every precautionary measure to guarantee their security and confidentiality, in conformity with the provisions of the GDPR, and for the sole purpose of being able to fulfil effectively the obligations envisaged by the civil and fiscal laws connected to the economic activity of the company, therein including the management of receipts and payments deriving from the execution of contracts.

The Data Controller is: BFT S.p.A., with registered office in Schio (Vi), Via Lago di Vico no. 44.

To obtain information on personal data processing, communications should be sent to the following email address privacy@bft-automation.com

The privacy policy can be obtained from this address www.bft-automation.com.

22. APPLICABLE LAW AND LANGUAGE

22.1 This Contract is regulated by Italian law, excluding the United Nations Convention on Contracts for the International Sale of Goods (Vienna – 1980 – CISG).

22.2 This Contract and its annexes are drafted and signed in Italian and the text of this Contract in Italian is the only one upon which reliance will be made.

23. COURT WITH JURISDICTION

23.1 All disputes that may arise between the Customer and BFT S.p.A. in relation to these GT and/or any Contract signed in accordance with these GT, including those relating to their validity, interpretation, effectiveness, execution and termination, will be subject to the exclusive jurisdiction of the Court of Vicenza, also for the exercise of any actions aimed at invoking the warranty for the Products.

In derogation of the foregoing, BFT S.p.A. will have the right to take action before the Court in the area in which the Customer is based.

24. CODE OF ETHICS AND ORGANISATION, MANAGEMENT AND CONTROL MODEL

24.1 The Customer declares to be aware of the legislation in force on corporate liability and the contents of Italian Legislative Decree 231/2001.

24.2 The Customer acknowledges that BFT S.p.A. has adopted a Code of Ethics in conformity with the provisions of Italian Legislative Decree 231/2001. The Customer also declares to have read its text, published on the website www.bft-automation.com.

24.3 The Customer undertakes not to implement and to ensure that its directors, employees and/or collaborators do not implement acts or behaviours that violate the Code of Ethics of BFT S.p.A. and, more generally, not to commit the crimes cited in Italian Legislative Decree 231/2001.

24.4 The Customer also guarantees that it has established suitable measures to guarantee that the activity under this Contract is carried out in conformity with the provisions of the Code of Ethics of BFT S.p.A.

24.5 In the event of a breach by the Customer of Italian Legislative Decree 231/01, BFT S.p.A. may terminate the Contract in accordance with Art. 1456 of the Italian Civil Code, giving simple written communication thereof to the Customer by recorded delivery letter with notice of receipt, without prejudice to the right to compensation for damages.

24.6 Upon the opening of any criminal proceedings against the Customer for crimes relevant under Italian Legislative Decree 231/2001, BFT S.p.A. must be notified immediately and it will have the right to terminate the Contract in accordance with Art. 1456 of the Italian Civil Code.

24.7 The Code of Ethics and the Organisation Model of BFT can be found at this address: http://www.bft-automation.com/it_IT/bft/modello-organizzativo-e-codice-etico/.

The Customer is aware of the fact that the export or transfer of Products outside the European Union customs market or to certain entities/certain destinations may be subject to control by the competent authorities and it declares and warrants that it has implemented all measures necessary to respect the national, European and US legislation in force on export controls and international economic sanctions.

If the Products are exported or transferred by the Customer, the Customer undertakes to export or transfer those Products to customers that are not included in lists of natural or legal persons, entities or organisations subject to restrictive measures by the European Union and/or in the List of Specially Designated Nationals and Blocked Persons ("SDN List") prepared by the Office of Foreign Assets Control ("OFAC") and that they are not owned or controlled by persons or entities appearing in those lists.

The Customer will indemnify BFT S.p.A. from any liability that may be incurred by BFT S.p.A. through any violation of the provisions applicable from time to time on the control of exports and international economic sanctions in relation to the Products. The Customer undertakes to transfer the provisions of this article also to any sub-purchasers.

If the fulfilment of the obligations by BFT S.p.A. is impeded, aggravated or made excessively onerous due to the occurrence of one or more of the following events (hereafter "Exempting Events"):

a. modification of the national, European or US legislation, including the adoption of restrictive measures or international economic sanctions against third countries, having an impact on the obligations of BFT S.p.A. and/or

b. modification, extension or revision or any other change in interpretation, by any court or administrative authority, of the laws in force at the date of acceptance

of the orders by BFT S.p.A.;
c. lack of issuance, by any competent authority, of authorisations to sell, transfer or export the Products, where envisaged by the applicable laws;
d. any other event, whether or not it is similar to those indicated above, beyond the control of the party against which the respective dispute could be brought, BFT S.p.A. will notify that event in writing to the Customer and will consult the same to identify any fulfilment useful for guaranteeing the correct and precise execution of the existing obligations. The execution of the respective obligations will be understood to be suspended during the consultation period. If, after the consultation, it emerges that the obligations of BFT S.p.A. cannot be executed due to intervening invalidity or unlawfulness in accordance with the applicable law, the order is understood to be terminated and the Customer does not accrue any right to compensation for damages. If the fulfilment of the existing obligations for BFT S.p.A. is not considered illegal or invalid but has become impossible or excessively onerous, the order will be suspended until the Exempting Event has ended and BFT S.p.A. and the Customer will undertake to mitigate any prejudice deriving from that suspension. If the Exempting Event continues beyond a period of four months, the same will constitute an event of Force Majeure.

25. TRAINING AND TECHNICAL SUPPORT

25.1 At the Customer's request, BFT will carry out training courses for the Customer's staff on the use, maintenance and repair of the Product. All costs and expenses relating to the organisation and holding of those courses will be borne exclusively by the Customer and the rates of BFT S.p.A. for those courses will be those currently applied by BFT S.p.A. for such activities at the time of the Customer's request.

26. MISCELLANEA

26.1 If one or more provisions of these General Terms is/are considered to be invalid, void or inapplicable for any reason, the remaining provisions will remain valid and binding.

26.2 In no case may the Customer transfer the rights or obligations deriving from this Contract without the prior written consent of the other Party.

26.3 Any lack of exercise by BFT S.p.A. of a right or faculty due by virtue of the law or these GT or the Contract, or any tolerance by BFT S.p.A. of behaviours of the Customer may not in any case be considered as a waiver of the right to invoke the aforementioned rights or faculties. The express waiver of a provision of the GT will be effective only for the specific case and purpose for which it was granted.

26.4 The Parties are autonomous and independent contracting parties, with no relationship of economic dependence.

26.5 The rights and obligations of the Parties that, by their nature, are understood to be effective even after the termination of the Contract, will remain effective and binding even after the termination of the Contract, for any reason it occurs.

27. TECHNICAL RULES - QUALITY SYSTEM

27.1 The Customer recognises and acknowledges that the range of Products is constituted by mechanical, electromechanical, electric, electronic products, software and their accessories, whose manufacture, marketing, installation and maintenance are, in the majority of cases, subject to specific rules; therefore, their distribution and installation requires the intervention of qualified and specialist professionals, who provide to end users full information on the technical and operational characteristics of the Products, their correct installation and safety of use (in particular, UNI standards, Italian Electrotechnical Committee rules and Legislative Decrees on systems). In particular, the Customer recognises and acknowledges that all automated closures fall within the field of application of the Machinery Directive, with all legal consequences for dealers and installers and with the obligation to retain the technical file of the automated closure, maintenance and EC declaration of conformity, just as the other products intended for electrical systems, home automation and safety fall within the scope of application of the Italian Electrotechnical Committee rules and the Laws of the State of installation on electrical and/or safety systems.

28. SOFTWARE SUPPLIED BY THE SELLER

28.1 If the Product requires, for its functioning, software developed by BFT S.p.A., BFT S.p.A. will provide that software to the Purchaser, together with the Product, under the conditions indicated below.

28.2 The Software, therein including any updates supplied by BFT S.p.A., remains the exclusive property of BFT S.p.A. The Customer may use it, in the capacity

of licensee, only for the functioning of the Product with which it was supplied and it may not transfer, disclose or reproduce it for third parties, or perform any modification or intervention on the same, except with the prior written authorisation of BFT S.p.A..

28.3 If the payment for the Software (or the Product for which the software is intended) is delayed, BFT S.p.A. may grant the use of the software for a limited period, extending its duration following the due payment of the instalment at the due date. It is understood that no limitation of this nature may be applied after the price has been paid in full.

29. ANTICORRUPTION

Either Party shall perform its obligations in compliance with the applicable laws and regulations, and undertakes to respect anti-corruption and money laundering applicable laws, in particular the U.S. 1977, Foreign Corrupt Act (FCPA), the Organization for Economic Cooperation and Development's Convention of 1997 on Bribery of Foreign Public Officials in International Business Transactions (OECD Anti-Bribery Convention), the Law on the Prevention of Money Laundering and Terrorism and Proliferation Financing, as well as the Law on International Sanctions, and any other applicable anticorruption laws. In this frame, Customer expressly allows the Seller to perform any audit and agrees to respond in good faith to any related questionnaire. In case of proven act of corruption or breach by Customer of these obligations, the Seller may suspend or terminate orders without notice or compensation and subject to any damages to which the Customer may be entitled as a result of such breach.

30. HARDSHIP

In case of an unforeseeable financial or material circumstances (the "Unforeseeable event") related to the sale by the Seller of Products covered by the GTC, resulting in the execution of any of the Parties obligations to become excessively expensive, the Parties undertake to renegotiate in good faith the term of their agreement. During the negotiation, the Parties will suspend their respective obligations related to the sale of the Products concerned by the Unforeseeable event. If Parties fail to reach an agreement, they would have to mutually agree to terminate the agreement.

Read, confirmed and signed

Place and date

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In accordance with and for the effects of Art. 1341 and 1342 of the Italian Civil Code, the Customer declares expressly to approve the following articles: Art. 4 (Delivery Terms); Art. 6 (Customer's Obligations); Art. 8 (Invoicing and Payment); Art. 9 (Warranty): Art. 11 (Customer's Obligations in the case of Defects and Complaints); Art. 13 (Intellectual and Industrial Property Rights); Art. 14. (Privacy and Confidential Information); Art. 16 (Transfer of Ownership); Art. 19 (Express Termination Clause - Limitation of Liability) Art. 20 (Withdrawal); Art. 22 (Applicable Law and Language); Art. 23 (Court with Jurisdiction); Art. 24 (Code of Ethics and Organisation, Management and Control Model).

Read, confirmed and signed

Place and date

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BFT

HOME
ACCESS AUTOMATION

BUILDING
ACCESS AUTOMATION

URBAN
ACCESS AUTOMATION

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A BRAND OF SOMFY GROUP

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Catalogo internazionale inglese senza prezzi 2023-2024
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BFT
Be ahead