

**Go green**  
#standby826ready  
**Save  
Energy!**



E N G L I S H   C A T A L O G U E



Made in Italy







# BENINCÀ, A STORY SPANNING OVER 40 YEARS

The strong relationship between two brothers and their deep desire for independence led to the creation of the Benincà brand for the production of automatic components for fences in 1979.

One a mechanic and the other an electrician, Aldo and Luigi were very young: despite this, their father had no doubts and allowed them to start the business using the family land, demonstrating his strong belief in what his children could achieve.

Like seeds, this act of trust generated the values that would later guide all of the company's choices, which still today are reflected in a brand name with which people are able to identify, just like in a family.



## VISION & MISSION

### VISION

Benincà; good products, good people, one family.

### MISSION

Like a family.

We support our partners and customers to grow together, a synergy defined by trust and built with care. We share products and services for the safety and freedom of people, which make us proud of our name.







# WHY TO CHOOSE **BENINCÀ?**

**Born in a territory  
rich in creativity  
and know-how**

## **ITALIAN CHARACTER**

The Made in Italy label is  
a synonym for quality that  
we will never compromise!

**40 years and  
more in the fields  
of automation  
devices for gates**

## **EXPERIENCE**

The needs of the installer  
have no secrets to us!

**Being a partner  
at work is being  
able to trust**

## **FACE TO FACE RELATIONSHIP**

The authenticity of an open  
and transparent relationship  
with people.





# AUTOMATION SPECIALISTS **FOR EVERY CONTEXT**

Benincà meets the protection needs of the residential sector with high quality, professional and robust products built to last over time.

In collective contexts, we provide all the technology and efficiency required in situations of intensive or continuous use with solutions that minimise component wear by ensuring a long automation life.

In industrial contexts we are able to offer a wide choice of automations. In particular, our range of operators for sliding gates includes solutions up to 16,000 kg weight.







In addition, to complete our installations we also offer a series of stylish and modern accessories, such as flashing lights, transmitters, key selectors and photocells.

Benincà is a brand dedicated to professionals who need innovative solutions designed on the basis of experience and able to last over time.



AUTOMATIONS  
FOR SWING GATES



AUTOMATIONS  
FOR SLIDING GATES



AUTOMATIONS FOR  
GARAGE & INDUSTRIAL DOORS



ROAD BARRIERS  
& CAR PARK SAVER



CONTROL  
UNITS



ELECTRONIC  
COMMAND & CONTROL



WARNING DEVICES  
AND SIGNALS





# COMPLIANCE WITH REGULATIONS? **BENINCÀ IS READY!**



**WATCH  
THE VIDEO**

In compliance with the latest European energy efficiency Regulations - including Regulation (EU) 2019/1781 on eco-design requirements for electric motors and Regulation (EU) 2023/826 - our range of gate and garage door automation systems has been designed to offer high performance with minimal energy consumption. With the entry into force of Regulation (EU) 2023/826, we have developed cutting-edge solutions that reduce energy consumption in standby mode, significantly improving efficiency compared to previous standards.

## **Innovative technology for energy savings**

To offer optimal efficiency and intelligent energy management, we have equipped our operators with advanced technologies that improve performance and reduce consumption:

- ESA+ technology to reduce consumption during motor standby phases.
- Electronic switching power supplies that offer energy savings in standby mode, thanks to greater efficiency and lower heat dissipation, protecting the automation, extending the life of components, and optimizing motor control.

## **Energy consumption requirements for control units in residential applications**

Control units with and without displays, that are classified as household and office electrical and electronic equipment, must comply with the specifications of the regulation. In particular, energy consumption in standby mode must not exceed 0.5 W for control units without a display and 0.8 W for those with a display.

## **Benincà control units: efficiency and compliance with Regulation (EU) 2023/826**

Investing in a system that complies with Regulation (EU) 2023/826 means choosing an efficient, safe product designed to deliver high performance over time. Automatismi Benincà develops and manufactures control units for residential automation systems that comply with this regulation, ensuring maximum energy efficiency and compliance with standby power consumption limits. Our solutions, with and without displays, offer reliability and low consumption, contributing to a more sustainable future in full compliance with European Regulations.





**We have chosen this symbol to indicate products that comply with European Regulation. Discover our range of eco-friendly products and ensure maximum technology with minimum consumption!**

## SWING GATES



### BRAINY PLUS

Control unit with display for one or two 230 Vac operators, BOB, TOM, BILL, PREMIER, DU.IT, and DU.350 series.



### TRUST24

Control unit with display for one or two 24 Vdc operators, BOB, TOM, BILL, SAM.24 series.

## SLIDING GATES



### BULL SE SERIES

230 Vac or 24 Vdc gear motors, for gates up to 1500 kg, integrated control unit with display.



### BULL SW SERIES

24 Vdc gear motors, for gates up to 600 kg, integrated control unit without display.

## COUNTERWEIGHT AND SECTIONAL DOORS



### MARK

24 Vdc gear motor, for overhead doors up to 16 m<sup>2</sup>, integrated control unit with display.



### TILTY24

Control unit with display for one or two 24 Vdc operators, MARK series.



### JM.3, JM.4

24 Vdc gear motors, for sectional doors up to 18 m<sup>2</sup>, integrated control unit without display.



### JM.3SE, JM.4SE

24 Vdc gear motors, for sectional doors up to 22 m<sup>2</sup>, integrated control unit with display.

## ENERGY SAVING MODULE



### SE.MODULE

Benincà offers an innovative accessory to adapt 230 Vac and 24 Vdc control units to the requirements of Regulation (EU) 2023/826. This module reduces energy consumption in standby mode, ensuring compliance with the limits imposed by the regulation. A simple and effective solution for upgrading existing systems, improving efficiency without the need to replace the control unit.







# AUTOMATION FOR SWING GATES BETWEEN **CONNECTIVITY AND ENERGY SAVINGS**

The Benincà range for swing gates is enhanced with a new generation of intelligent and connected control units, designed to offer maximum efficiency, ease of installation, and full compliance with the new European Regulation.

## BRAINY PLUS

230 Vac control unit complies with Regulation (EU) 2023/826



Ideal for swing gates, sliding gates with opposing leaves, hydraulic operators, or operators for industrial folding doors, the control unit is equipped with a display and integrated 433.92 MHz receiver with 512 storable codes. Compatible with the previous version (BRAINY), the new model is equipped with a remote control recovery procedure which, in the event of replacement, allows the transmitters stored in the old control unit to be transferred to the EEPROM memory of the new one. BRAINY PLUS has an advanced programming level that allows separate adjustment of the two motors; it is also equipped with an autoset function, which can be activated even in the absence of an encoder and limit switch, two separate inputs for configurable sensitive edges, with opto-isolated contacts, and is designed for connection to X.BE (KNX), Q.BE (MQTT) accessories and the PRO.UP interface.





## TRUST24

24 Vdc control unit complies with Regulation (EU) 2023/826

Designed to control 1 or 2 operators for swing gates. The control unit, equipped with a display and integrated 433.92 MHz receiver with 512 storable codes, is compatible with 24 Vdc TOM, BOB, BILL and SAM series. Designed for connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface.



## TOM

up to 5 m per leaf



TOM is the telescopic linear operator that combines all the technology and innovation needed to automate any swing gate from 3 to 5 meters per leaf in just 96 cm in width. Available in 230 Vac versions, with or without encoder, and 24 Vdc, TOM is equipped with adjustable mechanical stops for opening and closing, patented FACE gears, and a bronze release wheel with a customized key. The reversible version TOM4024 REVERSE for gates up to 4 m is ideal in contexts where it is necessary to ensure the gate opens and closes easily and safely in all conditions. The BRAINY PLUS and TRUST24 control units, combined with the TOM models, ensure standby power consumption in accordance with European Regulation (EU) 2023/826.

## SAM PLUS

up to 3 m per leaf



The new operator with articulated arm from the SAM series is now available. It is extremely compact (only 170 mm wide) and designed for swing gates up to 3 m per leaf with large columns. The built-in control unit, easily accessible from above, is equipped with a 100 ÷ 250 Vac switching power supply and is designed for connection to X.BE (KNX) and Q.BE (MQTT) accessories and the PRO.UP interface.



# FOR EVERY SLIDING GATE, ITS OWN MOTOR! **OUR SOLUTIONS FROM 450 TO 16,000 KG**

Thanks to its consolidated know-how, Benincà offers a complete and highly specialized range for sliding gates, designed to respond precisely to different application requirements. The SE series combines energy efficiency and advanced connectivity, while the new BUFFALO, developed by the R&D department, sets a new benchmark for the industrial sector.



## **BULL SE** up to 1500 kg



The SE series for sliding gates has been expanded with new models. The 24 Vdc range now covers applications from 450 kg to 1500 kg, while the 230 Vac version is suitable for gates up to 600 kg. Each motor enables intelligent, connected automation, ensuring low energy consumption and full integration with home automation systems. All control units are designed for the connection of X.BE (KNX), Q.BE (MQTT) accessories, and the PRO.UP interface.







## BUFFALO160 OTI

up to 16,000 kg



New 230 Vac ventilated three-phase gear motor, designed for the automation of industrial sliding gates up to 16,000 kg. It is available in both versions with integrated control unit and with external control unit on a ventilated box to ensure IP54 protection. Both versions are equipped with an encoder for precise gate movement and an inverter, which optimizes movement control, acceleration and deceleration curve management, and anti-crushing safety functions. The all-metal structure and oil lubrication ensure high performance even at low temperatures. The external casing, also made of metal and protected with a resistant paint finish, guarantees excellent protection against atmospheric agents.



# RELIABILITY, POWER, AND PRECISION FOR EVERY TYPE OF GARAGE

Automating a garage door means ensuring safety, comfort, and functionality every day. Whether you need counterweight garage doors or sectional doors, Benincà offers solutions designed to suit different installation requirements, with a focus on ease of use, energy efficiency, and maximum reliability over time. Each motor is the result of the experience and continuous innovation that have always distinguished the Benincà brand.



## JIM

up to 22 m<sup>2</sup>



The JIM series operators are ideal for opening sectional doors up to 22 square metres. Equipped with a control unit with integrated receiver and encoder, to guarantee maximum safety and precision when moving the door, they are fitted with a quick hooking system for connecting the arm to the door plate.







## MARK

up to 8 m<sup>2</sup> (12 m<sup>2</sup> with 2 operators)

24 Vdc operator for the automation of overhead doors which, thanks to its compact size (only 48 cm long) and weight of only 7 kg, allows for simplified door balancing and application even in contexts characterized by articulated overhead doors. Perfectly integrable into existing systems thanks to the output shaft with 20 x 20 mm square hole and wheelbase of just 53 mm, MARK is equipped with a built-in control unit with 100 ÷ 250 Vac switching power supply. It is also suitable for connecting X.BE (KNX), Q.BE (MQTT) accessories and PRO.UP interface.



## TILTY24

24 Vdc control unit complies with Regulation (EU) 2023/826



Control unit ideal for garage doors, equipped with a 433.92 MHz receiver with 64 storable codes and designed for the connection of X.BE (KNX), Q.BE (MQTT) accessories, and PRO.UP interface.



# AUTOMATION FOR INDUSTRIAL ENTRANCES AND VEHICLE ACCESS CONTROL

Collective contexts require advanced, connected, and integrable solutions capable of intelligently and quickly handling the high number of accesses to be managed. The industrial door models and range of barriers meet these requirements.



## JACK up to 35 m<sup>2</sup>



24 Vdc side-mounted electromechanical operator, designed for installation on sectional doors in residential and industrial settings, available in versions for doors up to 20 m<sup>2</sup> (JACK24.50) or up to 35 m<sup>2</sup> (JACK24.80). Easy to install thanks to its compact dimensions (only 11 cm wide), which allow it to be mounted even in limited spaces. The integrated control unit, equipped with a 100 ÷ 250 Vac switching power supply, is designed for connection to X.BE (KNX) and Q.BE (MQTT) accessories and the PRO.UP interface.





## DIVA

up to 3 m (DIVA.3) or 5 m (DIVA.5)



24 Vdc brushless barrier for continuous use with integrated control unit, encoder and battery charger. The 115/230 Vac switching power supply reduces consumption and ensures a long lifespan of the operator. Electric motor with brushless technology guarantees the highest performance, reliability, fluid movements, and a very long lifespan of the operator representing the ideal solution in contexts with particularly intensive uses. Illumination and light diffusion system designed to guarantee the maximum visibility in all directions. RGB LED lights with the possibility to work as a flashing light (DIVA.TL accessory). Possibility of connecting X.BE (KNX), Q.BE (MQTT) accessories and PRO.UP interface.

Opening time 80°:

DIVA.3 - 0.8 s, MCBF = 5 million cycles.

DIVA.5 - 2.5 s, MCBF = 3 million cycles.





# THE BeMOVE SYSTEM



## BeUP



### DESIGNED FOR PROFESSIONALS

PROGRAMMING AND DIAGNOSTICS OF COMPATIBLE CONTROL UNITS THROUGH BeUP AND Pro.UP

BeUP is the application, available for iOS and Android operating systems, dedicated to professionals which, in combination with pro.UP, allows you to programme Benincà control units quickly and easily directly from your vehicle. Furthermore, by connecting pro.UP to the cloud server, it is possible to store the installations realized in a specific system in the address book, view the details of the system and the history of the interventions performed, moreover it is possible to easily update the firmware.

**Choose to do the best job you can.**

## pro.UP

Interface for remote programming and diagnostics. Serial or wired connection for remote command and control.



#### CONNECTION WITH THE IOT WORLD



WiFi 802.11b/g/n - 2.4 GHz



Ethernet RJ45



## BePRO

### THE INSTALLER PORTAL

WEB-BASED MANAGEMENT OF INSTALLATIONS / AUTOMATIONS / TRANSMITTERS

BePRO is the new portal for professional installers, accessible at the link [beninca.cloud](http://beninca.cloud). It allows you to view the consumption curves of motors, geolocate the systems on the map and plan interventions, manage the lists of radio transmitters and have an archive where to save documentation related to the installations.





# BeMOVE

## FOR THE END USER



### COMMAND AND CONTROL OF AUTOMATIONS VIA SMARTPHONE

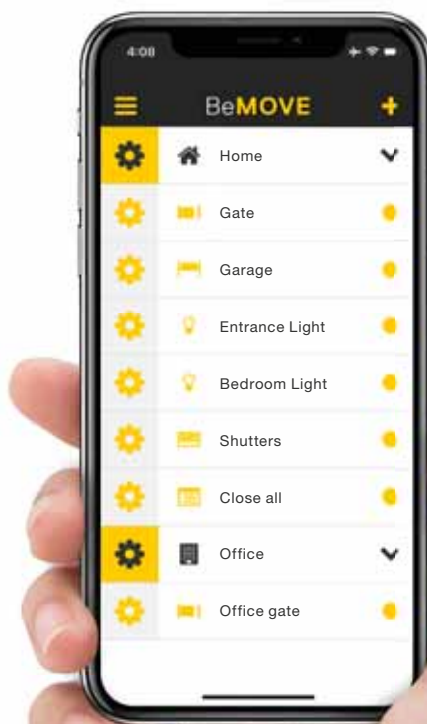
BeMOVE is the app that allows to quickly and easily control your home automations, lights or garden irrigation system. You can control them through access time slots or GPS position, opening the gate just before you get home, for example. You can also check the status of your automations when you're away from home and activate them if necessary, like closing the awnings in the event of bad weather, for example.

**The future is here.**

### g.MOVE



Interface to install on the automations, equipped with 2 outputs and 2 inputs. Bidirectional communication with HOOP gateway via 868 MHz radio or RS485 bus.



### hnnp G A T E W A Y



Gateway to control the automations via BeMOVE app.

#### CONNECTION WITH THE IOT WORLD



WiFi 802.11b/g/n - 2.4 GHz



Ethernet RJ45

### i.hnnp



Bidirectional 868 MHz radio module (HOOP accessory).





# INNOVATION AND SECURITY

The dialogue with professional users has enabled us to develop products with a high technological content, guaranteeing security, reliability and high levels of performance. In order to guide the selection within our range of products we have highlighted some of these characteristics by means of a precise series of symbols.

## ANTI-CLONING ENCODING



433.92 MHz Receiver equipped exclusively with Advanced Rolling Code (ARC)

## INNOVATION AND COMPLIANCE WITH REGULATIONS



Identifies operators or control units with standby power consumption comply with European Regulation (EU) 2023/826.



This is the device which guarantees maximum precision during the automation manoeuvring steps. In the operators it indicates the physical presence of the device, in the control units it indicates its management.



The control unit recreates the encoder signal starting from the measurement of certain parameters of the electric motor.



Intelligent power control system that allows obtaining dynamic data through a precise calculation of the thrust. The system is able to locate any critical points and adjust the torque accordingly in relation to actual requirements and according to measured performance.



Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories.

## PERFORMANCE



Operators that allow the gate/door to be opened in a very short time compared to the standard.



The inverter technology allows the speed of the motor to be gradually varied, during both acceleration and deceleration, as well as guaranteeing a more precise adjustment of the gate movement phases and a greater anti-crushing safety.



Gear motors with oil lubrication to guarantee the maximum lifespan of the reducer and high levels of performance.

## FUNCTIONS



Predisposition to manage the control unit using the BeUP app and pro.UP accessory which, by recreating the control unit menu, makes it possible to adjust parameters and logic, read error messages and update the firmware. It is possible to perform remote diagnostics, check the status of the gate and send commands.



This function automatically adjusts the operational parameters for simplifying the system's installation and testing operations.



This is used to set the number of cycles after which the required maintenance of the system is signaled.



This allows a code to be entered for protection of the control unit programming, to prevent access to menus and modification of parameters.



This indicates the number of transmitters which can be stored inside the receiver.

## QUALITY AND MADE IN ITALY

In-house production and careful selection of the materials are key elements of our "doing automation". Craftsmanship has evolved over the years to create space for industrial processes, enabling us to achieve many more of those objectives of excellence which form part of our DNA.



**100%**  
Made in Italy

Thanks to the passion for our work and the investments made, we have always maintained in-house production over the years. This has enabled us to obtain the 100% made in Italy certificate.



The Automatismi Benincà quality control system has been certified by TÜV Italia in accordance with ISO 9001. The certificate declares compliance with international standard ISO 9001 and confirms the undertaking of the company to safeguard the organisational system as required by the standard.



UNAC (Unione Nazionale Assistenza Costruttori) is an Italian organization that represents and promotes the interests of companies and professionals in the building and construction sector. The association is committed to improving working conditions within the construction industry, promoting occupational safety and supporting the development of the construction sector in Italy. Benincà has been a member since 1986.



Being a KNX member means developing products which are certified by the association as compatible with the universal protocol for management of houses and buildings in general. Integration of systems with this protocol in fact makes the automation devices perfectly compatible with the most sophisticated home automation systems.



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# INSTALLATION GUIDE

## Training

This section provides some suggestions and advice on selecting and installing the automated device. We have chosen to go into detail on two aspects. The first is the “duty cycle” shown in the technical data of all our products; the second is the effect of the installation geometry on motors for swing gates (linear and telescopic).

With regard to installation geometry, where the dimensions indicated in the manual cannot be used, this guide can give suggestions on how to install the system correctly. However, the duty cycle is considered important when assessing the type of motor to use and understanding how this calculation can be an important element in the selection process.

The **duty cycle** indicated in the technical data is the **ratio between ON time and TOTAL time**, expressed as a %, which, if complied with, enables the operator to be used without the thermal protection intervening.

$$\text{duty cycle \%} = \frac{t_{\text{on}}}{t_{\text{tot}}} = \frac{t_{\text{on}}}{t_{\text{on}} + t_{\text{off}}}$$

For example, to calculate the possible operating cycle on a 6-meter long sliding gate, with a maneuver speed of 10 m/minute (omitting slow-downs), a TCA = 30 seconds and a duty cycle of 30%, we can calculate:

**$t_{\text{on}}$  = Opening time + Closing time = The time during which the gate is moving**

$$\text{Opening time} = \text{Closing time} = \frac{6 \text{ m}}{10 \text{ m/minute}} = 0,6 \text{ minutes} = 36 \text{ seconds}$$

$$\text{so: } t_{\text{on}} = 36 + 36 = 72 \text{ s}$$

We can calculate the  $t_{\text{off}}$ , which is the time during which the gate is not moving:

$$t_{\text{off}} = \text{TCA} + \text{Pause between one cycle and the next} = t_{\text{tot}} - t_{\text{on}}$$

Given that the duty cycle is 30%, this means that:

$$\frac{t_{\text{on}}}{t_{\text{tot}}} = 30 \% = 0.3 \quad \text{so:} \quad t_{\text{tot}} = \frac{t_{\text{on}}}{0.3} = \frac{36 + 36}{0.3} = 240 \text{ seconds}$$

$$\text{so: } t_{\text{off}} = 240 - 72 = 168 \text{ s}$$

We can then calculate:

$$\text{Pause between one cycle and the next} = t_{\text{off}} - \text{TCA} = 168 - 30 = 138 \text{ seconds} = 2.3 \text{ minutes}$$

Therefore the operating cycle that can be set without the intervention of the thermal protection, is:

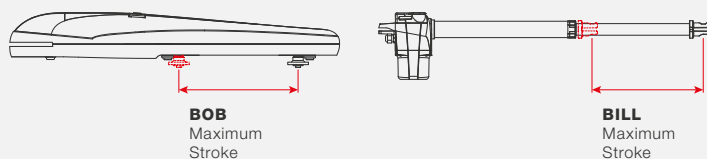
$$\text{Opening} = 36 \text{ seconds, TCA} = 30 \text{ seconds, Closure} = 36 \text{ seconds, Pause} = 138 \text{ seconds}$$

**NOTE1:** The duty cycle % indicated refers to a **reference ambient temperature**. Temperature changes can have a considerable effect on the duty cycle of the operator.

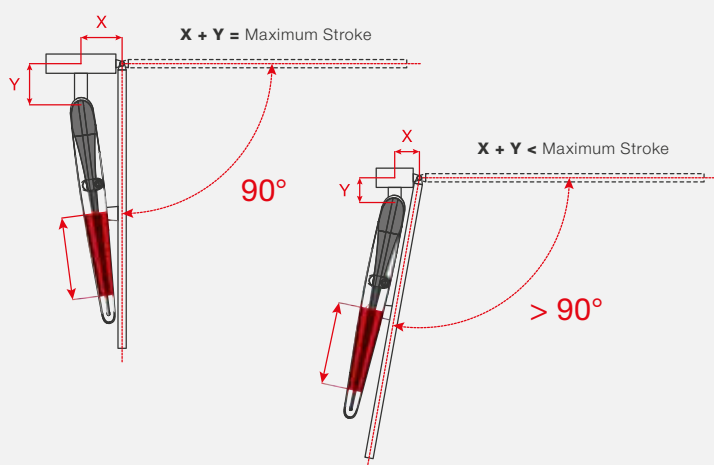
**NOTE2:** Slow-downs can affect the duty cycle as they increase the ON time for the same stroke length, but generally heat the operator less than movement at full speed. In general, the movement speed affects the heating curve of motors and electronic components: the greater the speed the greater the heating, but the shorter the maneuver time for the same stroke length.



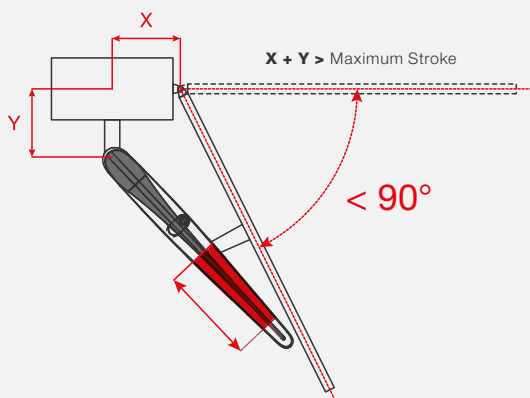
To install the product correctly so that it works properly and in compliance with regulations, please follow the instruction manual. If the dimensions indicated in the manual cannot be used, bear in mind the following general rules:



- For 90° opening, the sum of X+Y must be **less than or equal to** the maximum stroke of the operator. If  $X+Y = \text{Maximum Stroke}$ , the entire stroke is used to open 90°. If  $X+Y < \text{Maximum Stroke}$ , the entire stroke is not used to open 90°. In this case, consider the sum of X+Y to be equal to the actual stroke of the maneuver, therefore the time to open 90° will be **less** than the standard, and the movement speed of the gate will be **higher** than the standard, so special attention must be paid to compliance with the impact curves specified in the regulations.
- To open the gate to an angle of more than 90°, the sum of X+Y must be **less** than the maximum stroke of the operator.



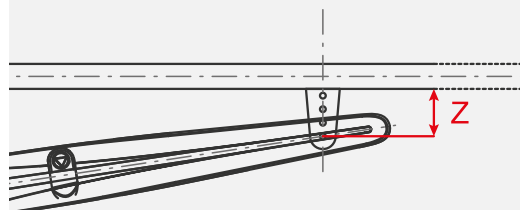
- If  $X+Y > \text{Maximum Stroke}$ , the opening angle of the gate will be less than 90°.



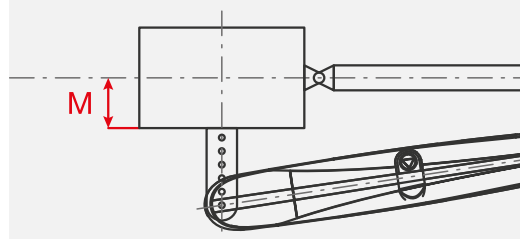
In standard applications, with inward opening, it is good practice to keep the dimensions X and Y almost equal to each other and restrict the difference between them to around 40 mm maximum to **avoid large changes in the speed of the gate during the maneuver**:

- If  $X < Y$ , in the opening maneuver, the gate starts at a **high speed** and completes the maneuver **slowly**, and vice versa in the closing maneuver (ensure compliance with the impact curves specified in the regulations!);
- However, if  $X > Y$ , in the opening maneuver, the gate starts **slowly** and completes the maneuver **increasing speed** (ensure compliance with the impact curves specified in the regulations!) and vice versa in the closing maneuver.

- The **minimum dimension Z** is used to prevent the operator from touching the gate while it is moving: In telescopic models (BILL) this dimension is usually less than in linear models (BOB).



- The **maximum dimension M** is used to prevent the operator from touching the post during the maneuver.





# AUTOMATIONS FOR SWING GATES

## LINEAR WORM SCREWS

				CONTROL UNITS
	<b>BOB21</b> leaf up to 2,1 m	<b>230 Vac</b>	<b>BOB21M</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY
		<b>24 Vdc</b> intensive use	<b>BOB2124.DK</b> <b>KBOB2124.DK</b>	BRAINY24 <sup>PLUS</sup>   BRAINY24   TRUST24 TRUST24
	<b>BOB30</b> leaf up to 3,0 m	<b>230 Vac</b>	<b>BOB30M</b> <b>BOB30ME</b> <b>BOB30ME.DK</b> <b>KBOB30M</b> <b>KBOB30ME.B</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY BRAINY <sup>PLUS</sup>   BRAINY BRAINY <sup>PLUS</sup>   BRAINY HEADY BRAINY <sup>PLUS</sup>
		<b>24 Vdc</b> intensive use	<b>BOB3024E</b> <b>BOB3024E.DK</b> <b>KBOB3024E.DK</b>	BRAINY24 <sup>PLUS</sup>   BRAINY24   TRUST24 BRAINY24 <sup>PLUS</sup>   BRAINY24   TRUST24 TRUST24
	<b>BOB50</b> leaf up to 5,0 m	<b>230 Vac</b>	<b>BOB50M</b> <b>BOB50ME</b> <b>BOB50ME.DK</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY BRAINY <sup>PLUS</sup>   BRAINY BRAINY <sup>PLUS</sup>   BRAINY
		<b>24 Vdc</b> intensive use	<b>BOB5024E</b>	BRAINY24 <sup>PLUS</sup>   BRAINY24

## LINEAR TELESCOPIC OPERATOR

				CONTROL UNITS
	<b>BILL30</b> leaf up to 2,5 m	<b>230 Vac</b>	<b>BILL30M</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY
		<b>230 Vac</b>	<b>TOM30M</b> <b>TOM30ME</b> <b>TOM30MLT</b> <b>KTOM30M</b> <b>KTOM30ME.B</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY BRAINY <sup>PLUS</sup>   BRAINY BRAINY <sup>PLUS</sup>   BRAINY   HEADY HEADY BRAINY <sup>PLUS</sup>
		<b>24 Vdc</b> intensive use	<b>TOM3024E</b> <b>TOM3024LT</b> <b>KTOM3024E</b>	BRAINY24 <sup>PLUS</sup>   BRAINY24   TRUST24 BRAINY24 <sup>PLUS</sup>   BRAINY24   TRUST24 TRUST24
	<b>BILL40</b> leaf up to 3,5 m	<b>230 Vac</b>	<b>BILL40M</b> <b>KBILL40M</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY HEADY
		<b>24 Vdc</b> intensive use	<b>BILL4024</b> <b>KBILL4024</b>	BRAINY24 <sup>PLUS</sup>   BRAINY24   TRUST24 TRUST24
		<b>230 Vac</b>	<b>TOM40M</b> <b>TOM40MLT</b> <b>KTOM40M</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY BRAINY <sup>PLUS</sup>   BRAINY   HEADY HEADY
	<b>TOM40</b> leaf up to 4,0 m	<b>24 Vdc</b> intensive use	<b>TOM4024E</b> <b>TOM4024E REVERSE</b> <b>TOM4024LT</b> <b>KTOM4024E</b>	BRAINY24 <sup>PLUS</sup>   BRAINY24   TRUST24 BRAINY24 <sup>PLUS</sup>   BRAINY24   TRUST24 BRAINY24 <sup>PLUS</sup>   BRAINY24   TRUST24 TRUST24
		<b>230 Vac</b>	<b>BILL50M</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY
	<b>BILL50</b> leaf up to 4,0 m	<b>230 Vac</b>	<b>TOM50M</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY
		<b>24 Vdc</b> intensive use	<b>TOM5024E</b>	BRAINY24 <sup>PLUS</sup>   BRAINY24   TRUST24





## ARTICULATED ARM

				CONTROL UNITS
	<b>SAM</b> leaf up to 2,5 m	<b>24 Vdc</b> intensive use	<b>SAM.24</b> <b>SAM.E24</b> <b>KSAM</b>	BRAINY24 <sup>PLUS</sup>   BRAINY24   TRUST24 CP.SAM* CP.SAM*
	<b>SAM PLUS</b> leaf up to 3,0 m	<b>24 Vdc</b> intensive use	<b>SAM.24 PLUS</b> <b>SAM.E24 PLUS</b> <b>KSAM PLUS</b>	BRAINY24 <sup>PLUS</sup>   BRAINY24   TRUST24 CP.SAM* CP.SAM*
	<b>PREMIER</b> leaf up to 3,0 m	<b>230 Vac</b>	<b>PR.45E</b> <b>PR.45EE</b> <b>KPR</b> <b>KPRE.B</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY BRAINY <sup>PLUS</sup>   BRAINY HEADY BRAINY <sup>PLUS</sup>
	<b>PREMIER</b> leaf up to 4,0 m	<b>24 Vdc</b> intensive use	<b>PR.45E24</b> <b>KPR24.B</b>	BRAINY24 <sup>PLUS</sup>   BRAINY24 BRAINY24
	<b>PREMIER</b> leaf up to 4,0 m	<b>230 Vac</b>	<b>PR.45EL</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY
	<b>DU.350FX</b> leaf up to 4,0 m	<b>230 Vac</b>	<b>DU.350FX</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY

## UNDERGROUND INSTALLATION

				CONTROL UNITS
	<b>DU.IT</b> leaf up to 2,1 m	<b>230 Vac</b>	<b>DU.IT14NV</b> <b>DU.IT14NVE</b> <b>DU.IT14NVE-10</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY BRAINY <sup>PLUS</sup>   BRAINY BRAINY <sup>PLUS</sup>   BRAINY
	<b>DU.350</b> leaf up to 3,0 m	<b>230 Vac</b>	<b>DU.350NV</b> <b>DU.350NVE</b> <b>DU.350NVE-10</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY BRAINY <sup>PLUS</sup>   BRAINY BRAINY <sup>PLUS</sup>   BRAINY
	<b>DU.IT</b> leaf up to 3,5 m	<b>230 Vac</b>	<b>DU.IT14N</b> <b>DU.IT14NE</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY BRAINY <sup>PLUS</sup>   BRAINY
		<b>24 Vdc</b> intensive use	<b>DU.IT24NVE</b>	BRAINY24 <sup>PLUS</sup>   BRAINY24
	<b>DU.350</b> leaf up to 4,0 m	<b>230 Vac</b>	<b>DU.350N</b> <b>DU.350NGE</b>	BRAINY <sup>PLUS</sup>   BRAINY   HEADY BRAINY <sup>PLUS</sup>   BRAINY



# GUIDE FOR CHOOSING

Choose the weight and the length in the chart and find out the most suitable model

## BOB | LINEAR WORM SCREWS

		LEAF MAX WEIGHT									
		200 kg	250 kg	300 kg	350 kg	400 kg	450 kg	500 kg	600 kg	700 kg	800 kg
GATE LENGTH	1,5 m	BOB21M	BOB21M	BOB21M	BOB21M	BOB30M* BOB3024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	1,8 m	BOB21M	BOB21M	BOB21M	BOB30M* BOB3024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	2,1 m	BOB21M	BOB21M	BOB30M* BOB3024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	2,5 m	BOB30M BOB50M BOB3024E BOB5024E	BOB30M BOB50M BOB3024E BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M
	3 m	BOB30M BOB50M BOB3024E BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	
	3,5 m	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M			
	4 m	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M				
	4,5 m	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M					
	5 m	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M						

## TOM - BILL | LINEAR TELESCOPIC OPERATOR

		LEAF MAX WEIGHT										
		150 kg	200 kg	250 kg	300 kg	350 kg	400 kg	450 kg	500 kg	550 kg	600 kg	700 kg
GATE LENGTH	1,8 m	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL40M BILL4024	BILL40M BILL4024	BILL40M BILL4024	BILL40M	---	---
	2,1 m	TOM30 TOM40 TOM50 BILL30M BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL30M BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL30M BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL30M BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL50M	TOM40 TOM50 BILL50M	TOM40 TOM50	TOM50
	2,5 m	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M	TOM30 TOM40 TOM50 BILL50M	TOM40 TOM50 BILL50M	TOM40 TOM50	TOM50	TOM50	
	3 m	TOM30 TOM40 TOM50 BILL40M BILL50M	TOM30 TOM40 TOM50 BILL50M	TOM30 TOM40 TOM50 BILL50M	TOM30 TOM40 TOM50 BILL50M	TOM40 TOM50	TOM40 TOM50	TOM50	TOM50			
	3,5 m	TOM40 TOM50 BILL50M	TOM40 TOM50 BILL50M	TOM40 TOM50	TOM40 TOM50	TOM40 TOM50	TOM50					
	4 m	TOM40 TOM50	TOM40 TOM50	TOM40 TOM50	TOM40 TOM50	TOM50						
	4,5 m	TOM50	TOM50	TOM50	TOM50							
5,0 m	TOM50	TOM50	TOM50									

## SAM - SAM PLUS - PREMIER - DU.350FX | ARTICULATED ARM

		LEAF MAX WEIGHT								
		150 kg	200 kg	250 kg	280 kg	300 kg	350 kg	400 kg	500 kg	600 kg
GATE LENGTH	1 m	SAM SAM PLUS	SAM SAM PLUS	SAM SAM PLUS	SAM SAM PLUS PR.45E	SAM SAM PLUS PR.45E	SAM PLUS PR.45E	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24
	1,5 m	SAM SAM PLUS DU.350FX	SAM SAM PLUS DU.350FX	SAM SAM PLUS DU.350FX PR.45E	SAM SAM PLUS DU.350FX PR.45E	SAM PLUS DU.350FX PR.45E	DU.350FX PR.45E	DU.350FX PR.45E PR.45E24	DU.350FX PR.45E PR.45E24	DU.350FX PR.45E PR.45E24
	1,8 m	SAM SAM PLUS	SAM SAM PLUS PR.45E	SAM SAM PLUS PR.45E	SAM SAM PLUS PR.45E	PR.45E	PR.45E	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24
	2,1 m	SAM SAM PLUS DU.350FX PR.45E	SAM SAM PLUS DU.350FX PR.45E	SAM SAM PLUS DU.350FX PR.45E	SAM PLUS DU.350FX PR.45E	DU.350FX PR.45E PR.45EL	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24
	2,5 m	SAM SAM PLUS DU.350FX PR.45E	SAM PLUS DU.350FX PR.45E	DU.350FX PR.45E	DU.350FX PR.45E	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	PR.45EL
	3 m	SAM PLUS	DU.350FX PR.45E PR.45E24	DU.350FX PR.45E PR.45E24	DU.350FX PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	PR.45EL	
		DU.350FX PR.45E PR.45E24								
3,5 m	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL	PR.45EL			
4 m	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL					

## DU.IT - DU.350 | UNDERGROUND INSTALLATION

		LEAF MAX WEIGHT								
		250 kg	300 kg	350 kg	400 kg	500 kg	550 kg	600 kg	700 kg	800 kg
GATE LENGTH	1,5 m	DU.IT14NV/E	DU.IT14NV/E	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE DU.350NV
	2,1 m	DU.IT14N/E DU.IT14NV/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE
	2,5 m	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE	
	3 m	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE	DU.350N DU.350NGE		
	3,5 m	DU.IT14N/E DU.IT24NVE DU.350N DU.350NGE	DU.IT14N/E DU.IT24NVE DU.350N DU.350NGE	DU.IT14N/E DU.IT24NVE DU.350N DU.350NGE	DU.IT14N/E DU.350N DU.350NGE	DU.IT14N/E DU.350N DU.350NGE	DU.350N DU.350NGE			
	4 m	DU.350N DU.350NGE	DU.350N DU.350NGE	DU.350N DU.350NGE	DU.350N DU.350NGE	DU.350N DU.350NGE				

## NOTES

We recommend the use of an electric lock

\* With BOB.SL accessory

In the event of wind and a solid door the operating limits may vary.



# BOB21M



## LINEAR WORM SCREWS

patented FACE gears

up to 2.1 m



### CONTROL UNITS:

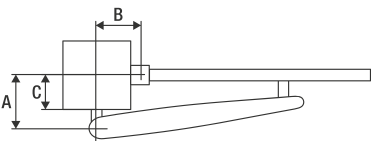
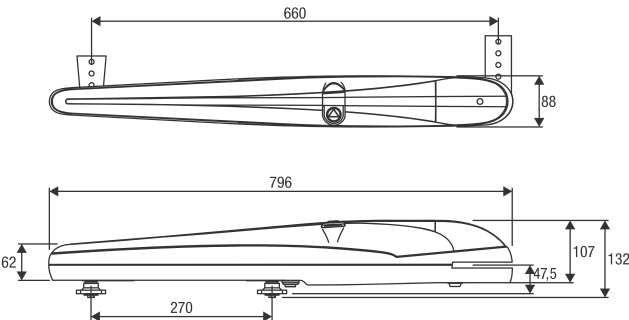
BOB21M	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144

\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



## 230 Vac

- Irreversible 230 Vac electromechanical geared motor
- With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Reliable, quiet, and quick to install geared motor, thanks to its 2 adjustable mechanical stops for opening and closing
- Easy access release from above



A (mm)	B (mm)	C (mm)
105-135	115-135	50-80



**B3.SR**

Screw-in brackets with easy fixing.

**B.SR**

Multiposition brackets for one operator.

**BOB.SN**

Rear joint for sloping openings.

**BOB.CS**

Lock with personalized key and cover for unlock system.

**B.P**

Screw-on plate.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

TECHNICAL DATA	BOB21M*
<b>Use</b>	<b>residential</b>
Motor supply	230 Vac (50-60Hz)
Max absorbed current	1.5 A
Max Thrust	1800 N
Opening time	18"
Duty cycle	30%
Standard stroke	270 mm
Max stroke	325 mm
Protection level	IP44
Encoder	NO
Operating temperature	-20°C /+50°C
Leaf max dimension	2.1 m
Weight / Items no. per pallet	8.2 kg / 50

\* Available in 115 Vac version

230<sub>VAC</sub>24<sub>VDC</sub>

# BOB30M

# BOB3024E

## LINEAR WORM SCREWS

patented FACE gears  
full metal mechanics  
gear and female screw in bronze  
personalised release key

up to 3.0 m



## CONTROL UNITS:

BOB30M	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144
BOB30ME/DK	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
BOB3024E	* BRAINY24 <sup>PLUS</sup>	152
	* BRAINY24	153
	* TRUST24	154

\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



AVAILABLE IN BLACK VERSION

**BOB30ME.DK**



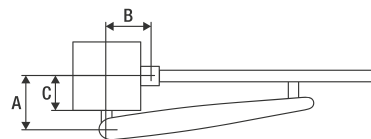
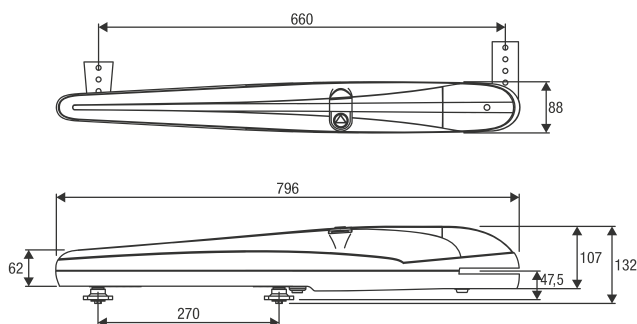
Reliable, quiet, and quick to install geared motor, thanks to its 2 adjustable mechanical stops for opening and closing. Available in the 230 Vac and 24 Vdc versions. Easy access release from above.

## 230 Vac

- Irreversible 230 Vac electromechanical geared motor
- With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- The encoder device in the BOB30ME version ensures crush prevention and precision in the gate moving phases

## 24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical geared motor for intensive use, equipped with encoder
- With TRUST24 control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation



A (mm)	B (mm)	C (mm)
105-135	115-135	50-80

COMPLETE KITS	MOTORS	CONTROL UNIT	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
KBOB30M	2x BOB30M	1x HEADY	1x PUPILLA.T	1x STAR	1x TO.GO2VA
KBOB30ME.B	2x BOB30ME	1x BRAINY PLUS	1x PUPILLA.T	1x STAR	1x TO.GO2VA

**B3.SR**

Screw-in brackets with easy fixing.

**B.SR**

Multiposition brackets for one operator.

**BOB.SN**

Rear joint for sloping openings.

**B.P**

Screw-on plate.

**BOB.SL**

Rear extension for BOB30 series models, for increased performances of up to 15% and installations with compact footprint.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

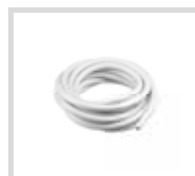
Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BOB30M*	BOB30ME*	BOB30ME.DK	BOB3024E*
Use	commercial	commercial	commercial	commercial
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.8 A	1.8 A	1.8 A	5.5 A
Max Thrust	2300 N	2300 N	2300 N	1800 N
Opening time	18"	18"	18"	9" ÷ 21"
Duty cycle	30%	30%	30%	intensive use
Standard stroke	270 mm	270 mm	270 mm	270 mm
Max stroke	325 mm	325 mm	325 mm	325 mm
Protection level	IP44	IP44	IP44	IP44
Encoder	NO	YES	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	3 m	3 m	3 m
Weight / Items no. per pallet	8.5 kg / 50	8.5 kg / 50	8.5 kg / 50	8.0 kg / 50
Kit weight / Kits no. per pallet	19.6 kg / 21	20.5 kg / 21	--- / ---	--- / ---

\* Available in 115 Vac version

230<sub>VAC</sub>24<sub>VDC</sub>

ENCODER



KNX



MQTT



BATT



PLUG

# BOB50M

# BOB5024E

## LINEAR WORM SCREWS

patented FACE gears  
full metal mechanics  
gear and female screw in bronze  
personalised release key

up to 5.0 m



## CONTROL UNITS:

BOB50M	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144
BOB50ME/DK	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
BOB5024E	* BRAINY24 <sup>PLUS</sup>	152
	* BRAINY24	153

\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



AVAILABLE IN BLACK VERSION

**BOB50ME.DK**



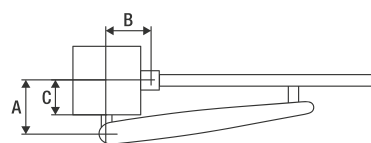
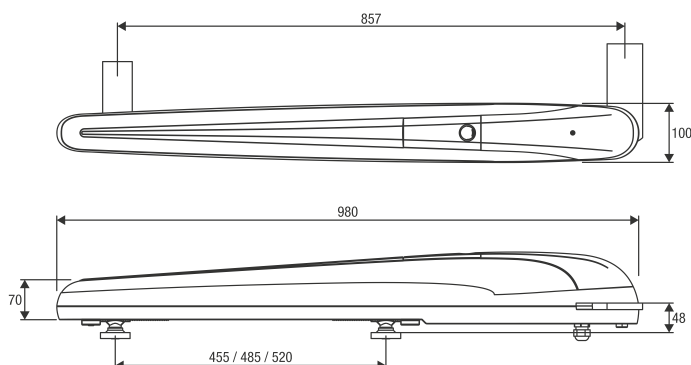
Reliable, quiet, and quick to install geared motor, thanks to its 2 adjustable mechanical stops for opening and closing. Available in the 230 Vac and 24 Vdc versions. Easy access release from above.

## 230 Vac

- Irreversible 230 Vac electromechanical geared motor
- With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Available in two versions: one with an easily adjustable limit switch (BOB50M) the other with encoder (BOB50ME)
- The encoder device in the BOB50ME version ensures crush prevention and precision in the gate moving phases

## 24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical geared motor for intensive use, equipped with encoder
- With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation



A (mm)	B (mm)	C (mm)
150-225	150-225	90-155



**B5.SR**

Bracket to attach with screws.

**B.P**

Screw-on plate.

**BOB.SN**

Rear joint for sloping openings.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BOB50M*	BOB50ME*	BOB50ME.DK	BOB5024E*
Use	commercial	commercial	commercial	commercial
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.4 A	1.4 A	1.4 A	6.7 A
Max Thrust	3500 N	3500 N	3500 N	2200 N
Opening time	26"	26"	26"	21"
Duty cycle	30%	30%	30%	intensive use
Standard stroke	455 mm	455 mm	455 mm	455 mm
Max stroke	520 mm	520 mm	520 mm	520 mm
Protection level	IP44	IP44	IP44	IP44
Encoder	NO	YES	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	5 m	5 m	5 m	5 m
Weight / Items no. per pallet	11.6 kg / 30	11.6 kg / 30	11.6 kg / 30	10.2 kg / 30

\* Available in 115 Vac version



# BOB2124.DK BOB3024E.DK

## LINEAR WORM SCREWS

adjustable mechanical stops in opening and closing  
patented FACE gears  
bronze release wheel  
BOB3024E.DK: bronze screwdriver

up to 3.0 m



## CONTROL UNITS:

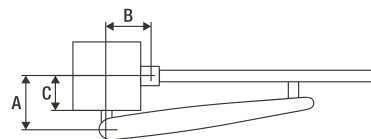
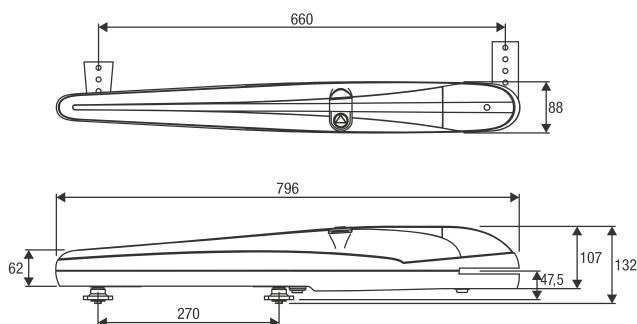
BOB2124.DK	* BRAINY24 <sup>PLUS</sup>	152
	* BRAINY24	153
	TRUST24	154
BOB3024E.DK	* BRAINY24 <sup>PLUS</sup>	152
	* BRAINY24	153
	TRUST24	154

\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826








## 24 Vdc | intensive use

- Irreversible electromechanical 24 Vdc gear motor for intensive use, also available with encoder (BOB3024E.DK)
- With TRUST24 control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Amperometric sensor obstacle detection system to prevent crushing
- Reliable, quiet, and quick to install geared motor, thanks to its 2 adjustable mechanical stops for opening and closing
- Easy-access top release with customised key (BOB3024E.DK)
- Optional battery powered operation
- Easy to install thanks to the included screw-on brackets



A (mm)	B (mm)	C (mm)
105-135	115-135	50-80

COMPLETE KITS	 MOTORS	 CONTROL UNIT	 PHOTOCELLS	 FLASHING LIGHT	 TRANSMITTER
KB0B2124.DK	2x BOB2124.DK	1x TRUST24	1x PUPILLA.T	1x STAR	1x TO.GO2VA
KB0B3024E.DK	2x BOB3024E.DK	1x TRUST24	1x PUPILLA.T	1x STAR	1x TO.GO2VA

**BOB.SN**

Rear joint for sloping openings.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BOB2124.DK*	BOB3024E.DK*
Use	residential	commercial
Motor supply	24 Vdc	24 Vdc
Max absorbed current	5.5 A	5.5 A
Max Thrust	1500 N	1500 N
Opening time	12"	12"
Duty cycle	intensive use	intensive use
Standard stroke	270 mm	270 mm
Max stroke	325 mm	325 mm
Protection level	IP44	IP44
Encoder	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2.1 m	3 m
Weight / Items no. per pallet	6.4 kg / 50	6.6 kg / 50
Kit weight / Kits no. per pallet	14.7 kg / 21	15.3 kg / 21

\* Available in 115 Vac version

230<sub>VAC</sub>24<sub>VDC</sub>

# TOM30M TOM3024E

## LINEAR TELESCOPIC OPERATOR

adjustable mechanical stops in opening and closing  
patented FACE gears  
bronze release wheel  
personalised release key

up to 3.0 m



WATCH THE VIDEO

Reliable and innovative gear motor, thanks to the 2 adjustable mechanical stops in opening and closing accessible from above and positioned under the metal cover of the shaft. Available in 230 Vac and 24 Vdc versions. Ideal for the automation of any type of swing gate thanks also to the compact footprints (only 96 mm width) and screw-in brackets. The 45° inclination of the wiring cable allows the distance from the ground to be reduced to a minimum. The rear and front brackets, aligned on the same axis, enable the better distribution of loads by optimizing the lifespan of the operator. The worm screw protected by wiper ring and stainless steel shaft make it suitable for dusty or sandy environments, or places with aggressive weather conditions.



## CONTROL UNITS:

TOM30M	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144
TOM30ME	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
TOM3024E	* BRAINY24 <sup>PLUS</sup>	152
	* BRAINY24	153
	* TRUST24	154

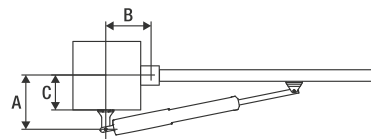
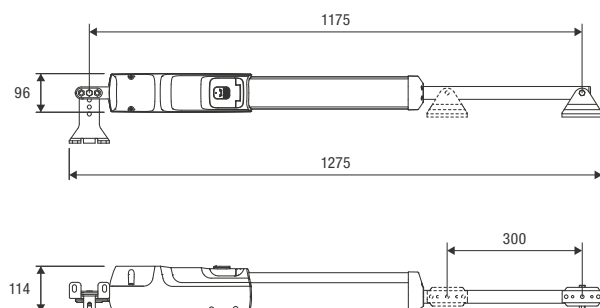
\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826

## 230 Vac

- Irreversible 230 Vac electromechanical gear motor
- With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Available in two versions: one with easily adjustable limit switch and accessible from above (TOM30M), the other with encoder (TOM30ME)
- The encoder device in the TOM30ME version ensures crush prevention and precision in the gate moving phases

## 24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical gear motor for intensive use equipped with encoder
- With TRUST24 control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- The encoder guarantees maximum safety and precision while the gate is moving
- Amperometric sensor obstacle detection system to prevent crushing
- Possibility of battery operation



A (mm)	B (mm)	C (mm)
100-182,5	110-200	25-110

COMPLETE KITS	MOTORS	CONTROL UNIT	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
KTOM30M	2x TOM30M	1x HEADY	1x PUPILLA.T	1x STAR	1x TO.GO2VA
KTOM30ME.B	2x TOM30ME	1x BRAINY PLUS	1x PUPILLA.T	1x STAR	1x TO.GO2VA
KTOM3024E	2x TOM3024E	1x TRUST24	1x PUPILLA.T	1x STAR	1x TO.GO2VA



**TOM.SR**

Rear adjustable screw-in bracket.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	TOM30M	TOM30ME	TOM3024E*
Use	commercial	commercial	commercial
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.3 A	1.3 A	5.5 A
Max Thrust	2000 N	2000 N	1500 N
Opening time	18"	18"	11"
Duty cycle	30%	30%	intensive use
Max stroke	300 mm	300 mm	300 mm
Protection level	IP44	IP44	IP44
Mechanical stops	YES	YES	YES
Limit switches	YES	NO	NO
Encoder	NO	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	3 m	3 m
Weight / Items no. per pallet	9.6 kg / 42	9.6 kg / 42	8.1 kg / 42
Kit weight / Kits no. per pallet	21.4 kg / 12	22.1 kg / 12	18.4 kg / 12

\* Available in 115 Vac version

230<sub>VAC</sub>24<sub>VDC</sub>

# TOM40M TOM4024E

## LINEAR TELESCOPIC OPERATOR

adjustable mechanical stops in opening and closing  
patented FACE gears  
bronze release wheel  
personalised release key

up to 4.0 m



WATCH THE VIDEO

Reliable and innovative gear motor, thanks to the 2 adjustable mechanical stops in opening and closing accessible from above and positioned under the metal cover of the shaft. Available in 230 Vac and 24 Vdc versions. Ideal for the automation of any type of swing gate thanks also to the compact footprints (only 96 mm width) and screw-in brackets. The 45° inclination of the wiring cable allows the distance from the ground to be reduced to a minimum. The rear and front brackets, aligned on the same axis, enable the better distribution of loads by optimizing the lifespan of the operator. The worm screw protected by wiper ring and stainless steel shaft make it suitable for dusty or sandy environments, or places with aggressive weather conditions.



## CONTROL UNITS:

TOM40M	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144
TOM4024E	* BRAINY24 <sup>PLUS</sup>	152
	* BRAINY24	153
	* TRUST24	154
TOM4024E <sup>REVERSE</sup>	BRAINY24 <sup>PLUS</sup>	152
	BRAINY24	153
	TRUST24	154

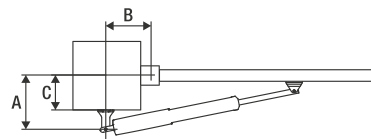
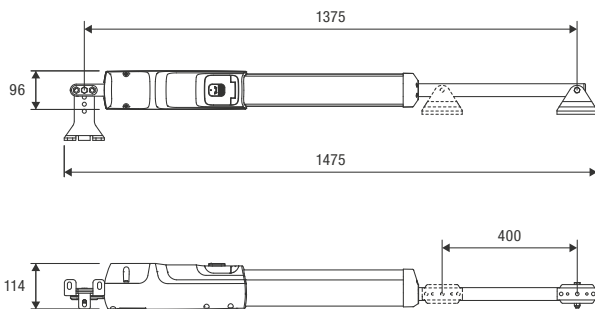
\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826

## 230 Vac

- Irreversible 230 Vac electromechanical gear motor
- With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Equipped with easily adjustable limit switches in opening and closing and accessible from above

## 24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical gear motor for intensive use equipped with encoder
- With TRUST24 control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- The encoder guarantees maximum safety and precision while the gate is moving
- Amperometric sensor obstacle detection system to prevent crushing
- Possibility of battery operation



A (mm)	B (mm)	C (mm)
100-272,5	110-200	25-200

COMPLETE KITS	MOTORS	CONTROL UNIT	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
KTOM40M	2x TOM40M	1x HEADY	1x PUPILLA.T	1x STAR	1x TO.GO2VA
KTOM4024E	2x TOM4024E	1x TRUST24	1x PUPILLA.T	1x STAR	1x TO.GO2VA

**TOM.SR**

Rear adjustable screw-in bracket.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

**TOM4024E REVERSE** is the reversible model that allows manual gate opening in the event of a power outage, without the need to unlock the gearmotor.

It is the ideal solution for automating entrances where uninterrupted access must always be guaranteed, for example in compliance with local accessibility regulations or where there is no alternative pedestrian entrance.

TECHNICAL DATA	TOM40M	TOM4024E*	TOM4024E <sup>REVERSE</sup>
Use	commercial	commercial	commercial
Motor supply	230 Vac (50-60Hz)	24 Vdc	24 Vdc
Max absorbed current	1.3 A	5.5 A	5.5 A
Max Thrust	2000 N	1500 N	1500 N
Opening time	24"	15"	8"
Duty cycle	30%	intensive use	intensive use
Max stroke	400 mm	400 mm	400 mm
Protection level	IP44	IP44	IP44
Reversible version	NO	NO	YES
Mechanical stops	YES	YES	YES
Limit switches	YES	NO	NO
Encoder	NO	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	4 m	4 m	4 m
Weight / Items no. per pallet	10.3 kg / 42	8.9 kg / 42	8.9 kg / 42
Kit weight / Kits no. per pallet	22.7 kg / 12	19.8 kg / 12	--- / ---

\* Available in 115 Vac version

230<sub>VAC</sub>24<sub>VDC</sub>

# TOM50M TOM5024E

## LINEAR TELESCOPIC OPERATOR

adjustable mechanical stops in opening and closing  
patented FACE gears  
bronze release wheel  
personalised release key

up to 5.0 m



WATCH THE VIDEO

Reliable and innovative gear motor, thanks to the 2 adjustable mechanical stops in opening and closing accessible from above and positioned under the metal cover of the shaft. Available in 230 Vac and 24 Vdc versions. Ideal for the automation of any type of swing gate thanks also to the compact footprints (only 96 mm width) and screw-in brackets. The 45° inclination of the wiring cable allows the distance from the ground to be reduced to a minimum. The rear and front brackets, aligned on the same axis, enable the better distribution of loads by optimizing the lifespan of the operator. The worm screw protected by wiper ring and stainless steel shaft make it suitable for dusty or sandy environments, or places with aggressive weather conditions.



## CONTROL UNITS:

TOM50M		BRAINY <sup>PLUS</sup>	142
	*	BRAINY	143
	*	HEADY	144
TOM5024E	*	BRAINY24 <sup>PLUS</sup>	152
	*	BRAINY24	153
		TRUST24	154

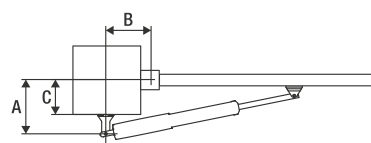
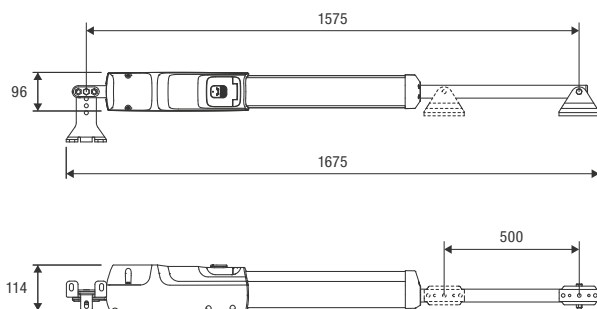
\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826

## 230 Vac

- Irreversible 230 Vac electromechanical gear motor
- **With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- Equipped with easily adjustable limit switches in opening and closing and accessible from above

## 24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical gear motor for intensive use equipped with encoder
- **With TRUST24 control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- The encoder guarantees maximum safety and precision while the gate is moving
- Amperometric sensor obstacle detection system to prevent crushing
- Possibility of battery operation



A (mm)	B (mm)	C (mm)
100-272,5	150-250	25-200



**TOM.SR**

Rear adjustable screw-in bracket.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	TOM50M	TOM5024E*
Use	commercial	commercial
Motor supply	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.3 A	5.5 A
Max Thrust	2000 N	1500 N
Opening time	30"	19"
Duty cycle	30%	intensive use
Max stroke	500 mm	500 mm
Protection level	IP44	IP44
Mechanical stops	YES	YES
Limit switches	YES	NO
Encoder	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	5 m	5 m
Weight / Items no. per pallet	10.9 kg / 42	9.4 kg / 42

\* Available in 115 Vac version

230<sub>VAC</sub>24<sub>VDC</sub>KNX  
MQTT

# TOM LT

## LINEAR TELESCOPIC OPERATOR

patented FACE gears  
bronze release wheel

up to 4.0 m



### CONTROL UNITS:

TOM30MLT		BRAINY <sup>PLUS</sup>	142
	*	BRAINY	143
	*	HEADY	144
TOM40MLT		BRAINY <sup>PLUS</sup>	142
	*	BRAINY	143
	*	HEADY	144
TOM4024LT	*	BRAINY24 <sup>PLUS</sup>	152
	*	BRAINY24	153
		TRUST24	154
TOM3024LT	*	BRAINY24 <sup>PLUS</sup>	152
	*	BRAINY24	153
		TRUST24	154

\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



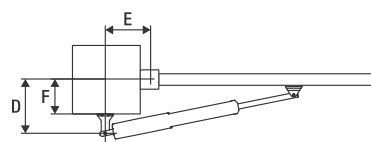
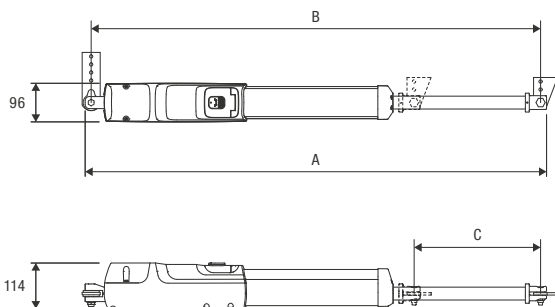
## 230 Vac

- Irreversible 230 Vac electromechanical gear motor
- With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826

## 24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical gear motor for intensive use
- With TRUST24 control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Amperometric sensor obstacle detection system to prevent crushing
- Possibility of battery operation

Gear motor available in 230 Vac and 24 Vdc versions. Ideal for the automation of any type of swing gate thanks also to the compact footprints (only 96 mm width) and fixing brackets to weld. The 45° inclination of the wiring cable allows the distance from the ground to be reduced to a minimum. The rear and front brackets, aligned on the same axis, enable the better distribution of loads by optimizing the lifespan of the operator. The worm screw protected by wiper ring and stainless steel shaft make it suitable for dusty or sandy environments, or places with aggressive weather conditions.



	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
TOM30	1150	1120	300	125-150	135-150	65-90
TOM40	1350	1320	400	100-270	120-200	45-200

**TOM.CS**

Personalised key lock.

**B.SR**

Multiposition brackets for one operator.

**B.P**

Screw-on plate.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	TOM30MLT	TOM40MLT	TOM3024LT*	TOM4024LT*
Use	commercial	commercial	commercial	commercial
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc	24 Vdc
Max absorbed current	1.3 A	1.3 A	5.5 A	5.5 A
Max Thrust	2000 N	2000 N	1500 N	1500 N
Opening time	18"	24"	11"	15"
Duty cycle	30%	30%	intensive use	intensive use
Standard stroke	300 mm	400 mm	300 mm	400 mm
Max stroke	315 mm	415 mm	315 mm	415 mm
Protection level	IP44	IP44	IP44	IP44
Mechanical stops	NO	NO	NO	NO
Limit switches	NO	NO	NO	NO
Encoder	NO	NO	NO	NO
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	4 m	3 m	4 m
Weight / Items no. per pallet	8.8 kg / 42	9.4 kg / 42	7.4 kg / 42	8.0 kg / 42

\* Available in 115 Vac version



# BILL

## LINEAR TELESCOPIC OPERATOR

personalised release key

up to 4.0 m



### CONTROL UNITS:

BILL30M	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144
BILL40M	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144
BILL4024	* BRAINY24 <sup>PLUS</sup>	152
	* BRAINY24	153
	* TRUST24	154
BILL50M	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144

\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



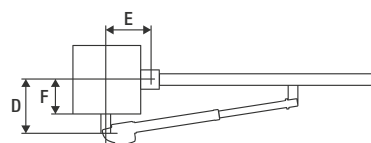
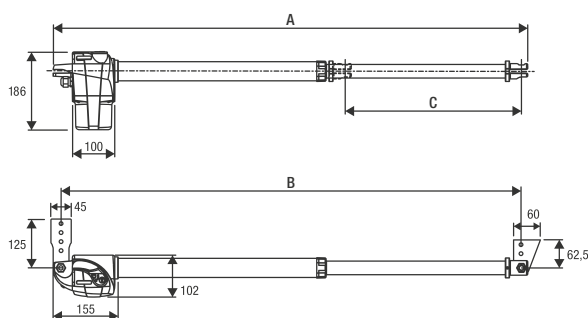
## 230 Vac

- Irreversible 230 Vac electromechanical geared motor
- With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826

## 24 Vdc | intensive use






- 24 Vdc irreversible electromechanical geared motor for intensive use
- With TRUST24 control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Anti-crushing system with amperometric sensor
- Possibility of battery operation

Irreversible electromechanical geared motor, available with power options 230 Vac or 24 Vdc. Ideal for automation devices for wrought iron gates, this product is very small and suitable for a quick and easy installation. Worm screw protected by a scraper ring and stainless steel stem, suitable for dusty or sandy environments, or places with aggressive weather conditions. Available in right or left side versions.

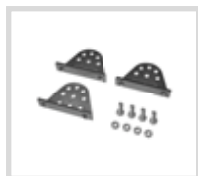


	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
BILL30	909	875	300	100-150	100-150	60-100
BILL40	1109	1075	400	100-200	100-200	65-150
BILL50	1309	1275	500	120-250	120-250	80-190

### COMPLETE KITS

	 MOTORS	 CONTROL UNIT	 PHOTOCELLS	 FLASHING LIGHT	 TRANSMITTER
KBILL40M	2x BILL40M	1x HEADY	1x PUPILLA.T	1x STAR	1x TO.GO2VA
KBILL4024	2x BILL4024	1x TRUST24	1x PUPILLA.T	1x STAR	1x TO.GO2VA



**B.SR**

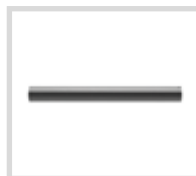
Multiposition brackets for one operator.

**BILL30.CO**

Telescopic stem cover accessory.

**BILL40.CO**

Telescopic stem cover accessory.

**BILL50.CO**

Telescopic stem cover accessory.

**SNC.90**

Bracket for 90° cable orientation.  
**Package of 2 pcs.**

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BILL30M*	BILL40M*	BILL50M*	BILL4024*
Use	residential	commercial	commercial	commercial
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.1 A	1.1 A	1.1 A	5 A
Max Thrust	2800 N	2800 N	2800 N	2000 N
Opening time	16"	18"	21"	15"
Duty cycle	30%	30%	30%	intensive use
Standard stroke	300 mm	400 mm	500 mm	400 mm
Max stroke	320 mm	420 mm	520 mm	420 mm
Protection level	IP54	IP54	IP54	IP54
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2.5 m	3.5 m	4.0 m	3.5 m
Weight / Items no. per pallet	6.1 kg / 62	6.7 kg / 48	6.9 kg / 48	5.5 kg / 48
Kit weight / Kits no. per pallet	--- / ---	15.5 kg / 30	--- / ---	14.6 kg / 30

\* Available in 115 Vac version



24VDC

SAM



## ARTICULATED ARM

control unit with built-in encoder and receiver  
built-in ESA+ system  
built-in battery charger



up to 2.5 m



24 Vdc | intensive use



- Irreversible 24 Vdc gear motor for intensive use available with or without control unit
- Standby power consumption complies with European Regulation (EU) 2023/826**
- The control unit, accessible from above, is positioned on a removable support that facilitates installation operations and provides quick access to the mechanical stops
- 100 ÷ 250 Vac switching power supply that reduces consumption and ensures the long life of the operator
- Ideal for swing gates with large columns and leaf hinges up to 280 mm deep (just 170 mm wide)
- The encoder guarantees maximum safety and precision while the gate is moving
- STC System allows torque management in relation to the position of the gate, guaranteeing maximum safety
- Sturdy arm fitted with a closing lock that helps define the limit switch position during installation
- Motor fixing bracket fitted with cable gland
- Operation guaranteed even in the event of a power supply failure through batteries that integrate perfectly into the motor
- Amperometric sensor obstacle detection system to prevent crushing
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface
- Option of adjustable flush release that allows opening from the outside in the event of a power supply failure

**Arm not included**

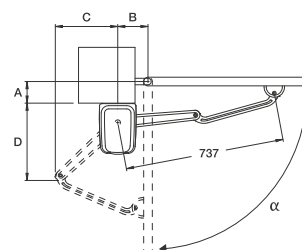
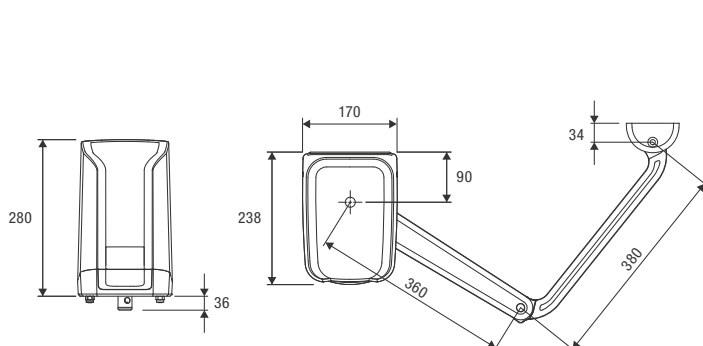
## CONTROL UNITS:

SAM.E24	CP.SAM	171
SAM.24	* BRAINY24 <sup>PLUS</sup>	152
	* BRAINY24	153
	* TRUST24	154

\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



WATCH THE VIDEO



α	A (mm)	B (mm)	C (mm)	D (mm)
90°	20	140	260	390
90°	50	140	270	380
90°	120	140	300	350
90°	200	140	315	330
<b>90°</b>	<b>280</b>	<b>150</b>	<b>300</b>	<b>345</b>
100°	50	160	330	305
105°	100	200	360	255
110°	50	210	365	240
120°	20	250	380	180

COMPLETE KITS	MOTOR 1	MOTOR 2	ARMS	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
<b>KSAM</b>	1x <b>SAM.E24</b>	1x <b>SAM.24</b>	2x <b>SAM.BA</b>	1x <b>PUPILLA.T</b>	1x <b>STAR</b>	1x <b>TO.GO2VA</b>

**SAM.BA**

Articulated arm.

**SAM.BS**

Sliding arm.

**SAM.SN**

Articulated arm for sloping doors.

**SAM.STOP**Additional mechanical stop.  
**Package of 2 pcs.****SAM.LOCK**

Lock with personalised key.

**SAM.SE**

Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**SAM.BAT**

1.2 Ah battery kit with bracket and cable.

**SAM.CB**Kit composed of cables and brackets for batteries installation.  
**Pack of 5 pieces.**

TECHNICAL DATA	SAM.24	SAM.E24
Use	residential	residential
Power supply	---	100 ÷ 250 Vac (50-60 Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	5.5 A	3.5 ÷ 1.9 A
Torque	220 Nm	220 Nm
Opening time	14" (including slowdown)	14" (including slowdown)
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Mechanical stop in opening	adjustable	adjustable
Mechanical stop for closing	optional	optional
Built-in control unit	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2.5 m	2.5 m
Weight / Items no. per pallet	6.0 kg / 45	7.9 kg / 45
Kit weight / Kits no. per pallet	17.0 kg / 24	17.0 kg / 24



24VDC

# SAM PLUS



## ARTICULATED ARM

control unit with built-in encoder and receiver  
built-in ESA+ system  
built-in battery charger



up to 3.0 m



24 Vdc | intensive use

- Irreversible 24 Vdc gear motor for intensive use available with or without control unit
- Standby power consumption complies with European Regulation (EU) 2023/826**
- The control unit, accessible from above, is positioned on a removable support that facilitates installation operations and provides quick access to the mechanical stops
- 100 ÷ 250 Vac switching power supply that reduces consumption and ensures the long life of the operator
- Ideal for swing gates with large columns and leaf hinges up to 350 mm deep (just 170 mm wide)
- The encoder guarantees maximum safety and precision while the gate is moving
- STC System allows torque management in relation to the position of the gate, guaranteeing maximum safety
- Sturdy arm fitted with a closing lock that helps define the limit switch position during installation
- The grooved motor shaft ensures maximum stability and resistance
- Motor fixing bracket fitted with cable gland
- Operation guaranteed even in the event of a power supply failure through batteries that integrate perfectly into the motor
- Amperometric sensor obstacle detection system to prevent crushing
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface
- Option of adjustable flush release that allows opening from the outside in the event of a power supply failure

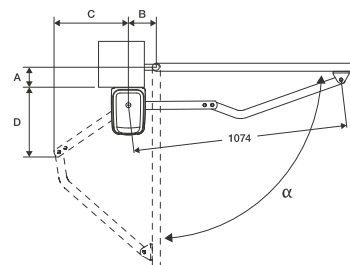
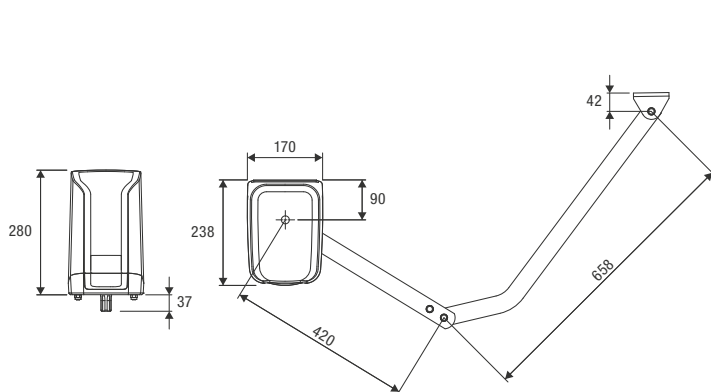
**Arm not included**







## CONTROL UNITS:

<b>SAM.E24 PLUS</b>	CP.SAM	171
<b>SAM.24 PLUS</b>	BRAINY24 <sup>PLUS</sup>	152
	BRAINY24	153
	TRUST24	154

\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



$\alpha$	A (mm)	B (mm)	C (mm)	D (mm)
90°	50	145	435	385
90°	100	145	460	350
90°	150	145	480	315
90°	200	145	500	270
90°	250	145	515	220
90°	300	145	525	170
<b>90°</b>	<b>350</b>	<b>145</b>	<b>530</b>	<b>105</b>
100°	50	150	500	400
105°	100	190	570	290
110°	50	200	595	280
120°	20	250	660	175

COMPLETE KITS						
<b>KSAM PLUS</b>	MOTOR 1 1x <b>SAM.E24 PLUS</b>	MOTOR 2 1x <b>SAM.24 PLUS</b>	ARMS 2x <b>SAM.BA PLUS</b>	PHOTOCELLS 1x <b>PUPILLA.T</b>	FLASHING LIGHT 1x <b>STAR</b>	TRANSMITTER 1x <b>TO.GO2VA</b>



**SAM.BA PLUS**

Single galvanized steel arm.

**SAM.STOP**

Additional mechanical stop.  
**Package of 2 pcs.**

**SAM.LOCK**

Lock with personalised key.

**SAM.SE**

Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**SAM.BAT**

1.2 Ah battery kit with bracket and cable.

**SAM.CB**

Kit composed of cables and brackets for batteries installation.  
**Pack of 5 pieces.**

TECHNICAL DATA	SAM.24 PLUS	SAM.E24 PLUS
Use	commercial	commercial
Power supply	---	100 ÷ 250 Vac (50-60 Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	5.5 A	3,5 ÷ 1,9 A
Torque	240 Nm	240 Nm
Opening time	16" (including slowdown)	16" (including slowdown)
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Mechanical stop in opening	adjustable	adjustable
Mechanical stop for closing	optional	optional
Built-in control unit	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3.0 m	3.0 m
Weight / Items no. per pallet	6.0 kg / 45	7.9 kg / 45
Kit weight / Kits no. per pallet	20.0 kg / 24	20.0 kg / 24

230<sub>VAC</sub>24<sub>VDC</sub>

# PREMIER PREMIER24

## ARTICULATED ARM

personalised release key

up to 4.0 m



Irreversible geared motor suitable for gates installed on large columns, available in 230 Vac and 24 Vdc versions. Built-in electromechanical open and close limit switches, with sturdy articulated anti-shearing arm in galvanised steel.

**Arm not included**



## CONTROL UNITS:

PR.45E	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144
PR.45EE	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
PR.45EL	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144
PR.45E24	* BRAINY24 <sup>PLUS</sup>	152
	* BRAINY24	153

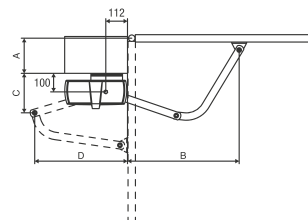
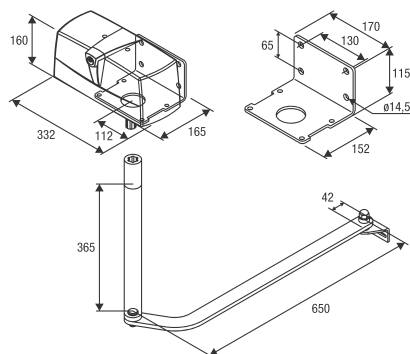
\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826

## 230 Vac

- Irreversible 230 Vac electromechanical geared motor also available in the PR.45EL version for large doors
- With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- The PR.45EE model is equipped with an encoder to ensure crush prevention and precision in the gate moving phases. Quick and easy to install thanks to the possibility of wiring on the motor

## 24 Vdc | intensive use

- Irreversible 24 Vdc geared motor for intensive use
- With TRUST24 control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation



A (mm)	B (mm)	C (mm)	D (mm)
50	883	277	429
150	851	181	466
200	828	117	475
250	800	32	469
300	846	28	468

COMPLETE KITS	MOTORS	CONTROL UNIT	ARMS	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
KPR	2x PR.45E	1x HEADY	2x DU.E2	1x PUPILLA.T	1x STAR	1x TO.GO2VA
⚡ KPRE.B	2x PR.45EE	1x BRAINY PLUS	2x DU.E2	1x PUPILLA.T	1x STAR	1x TO.GO2VA
KPR24.B	2x PR.45E24	1x BRAINY24	2x DU.E2	1x PUPILLA.T	1x STAR	1x TO.GO2VA

**DU.E2**

Single galvanized steel arm.

**PR.SN**

Articulated arm for installation in sloping areas.

**PR.BSL**

Left sliding arm for installation in tight spaces.

**PR.BSR**

Right sliding arm for installation in tight spaces.

**PR.PL**

Longitudinal plate for installation on small-sized columns.

**MB.SE**

Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	PR.45E*	PR.45EE	PR.45EL	PR.45E24*
Use	commercial	commercial	commercial	commercial
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.75 A	1.75 A	1.45 A	9 A
Torque	325 Nm	325 Nm	300 Nm	320 Nm
Opening time	13"	13"	20"	9"
Duty cycle	30%	30%	30%	intensive use
Protection level	IP44	IP44	IP44	IP44
Encoder	NO	YES	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	3 m	4 m	3 m
Weight / Items no. per pallet	10.5 kg / 42	10.5 kg / 42	10.5 kg / 42	9.0 kg / 42
Kit weight / Kits no. per pallet	34.6 kg / 12	34.6 kg / 12	--- / ---	34.0 kg / 12

\* Available in 115 Vac version



# DU.350FX

## ARTICULATED ARM

oil submerged gear  
full metal mechanics

up to 4.0 m



## CONTROL UNITS:

DU.350FX	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144

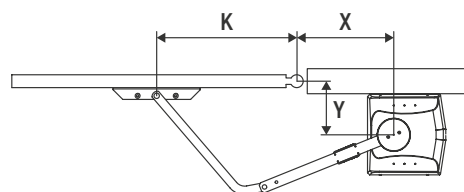
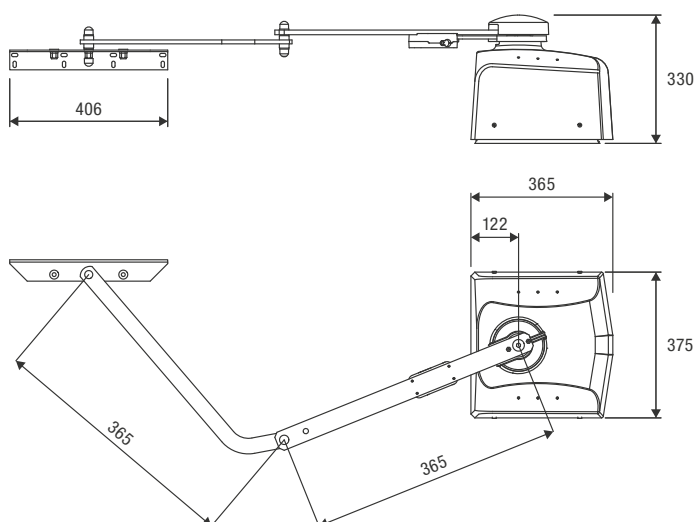
\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



## 230 Vac | intensive use

- Irreversible electromechanical gear motor for gates of considerable sizes
- With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Equipped with galvanised steel articulated arm and lever release system
- Ideal for installation in existing systems where it is not possible to attach the automation to the column
- Adjustable cam limit switches in opening and closing
- Fixing plate with visible holes also accessible when the motor is installed

Arm not included



X (mm)	Y (mm)	K (mm)	Opening degrees	Opening time
180	300	950	90°	17"
180	590	850	90°	20"
450	450	650	110°	16"
450	250	700	120°	20"

**DU.FXE**

Galvanised articulated anti-shearing arm with lever release system.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**DA.LB**

Galvanized column for outdoor installation of LB box.

TECHNICAL DATA	DU.350FX
<b>Use</b>	<b>commercial</b>
Motor supply	230 Vac (50-60Hz)
Max absorbed current	1.4 A
Torque	270 Nm
Opening time	16" ÷ 20"
Duty cycle	intensive use
Protection level	IP67
Lubrication	OIL
Operating temperature	-20°C /+50°C
Leaf max dimension	4.0 m
Weight / Items no. per pallet	26.1 kg / 12





# DU.IT14N

# DU.IT24NVE

## UNDERGROUND INSTALLATION

resin coated encoder

up to 3.5 m

## DUIT.BR ACCESSORY AVAILABLE

(FOR THE ADJUSTMENT OF MOST OF FOUNDATION BOXES IN THE MARKET)



## CONTROL UNITS:

DU.IT14N/NV	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144
DU.IT14NE/NVE	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
DU.IT24NVE	* BRAINY24 <sup>PLUS</sup>	152
	* BRAINY24	153

\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



Irreversible electromechanical geared motor available in 230 Vac and 24 Vdc version, with the option of opening to 180°. Full metal mechanics and built-in mechanical stop. It's available a model equipped with 10 m cable to facilitate wiring and prevent problems linked to the oxidation of electrical contacts (DU.IT14NVE-10).

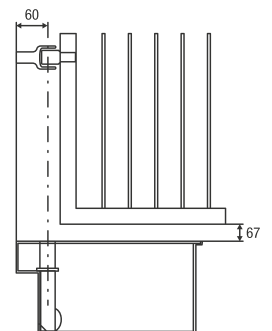
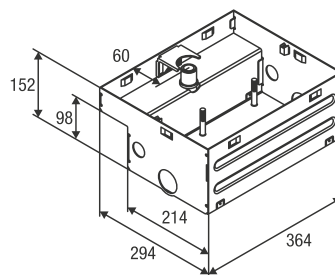
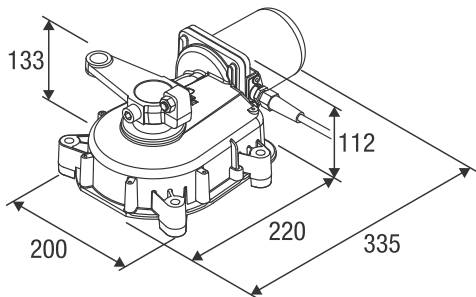
## 230 Vac

- Irreversible 230 Vac electromechanical geared motor
- With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Also available in the fast version (DU.IT14NV), with IP68 encoder (DU.IT14NE) and fast version with IP68 encoder (DU.IT14NVE)
- The encoder guarantees maximum safety and precision while the gate is moving

## 24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical gear motor for intensive use equipped with IP68 encoder
- With TRUST24 control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation

Cams' disk not included



**DU.ITIX**

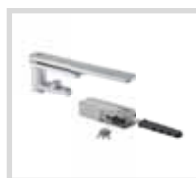
Self-supporting stainless steel foundation box max. opening 110°. Supplied with cover and cap, requires release accessory SB.DUxx.

**DU.ITCF**

Self-supporting foundation box with cataphoretic painted finish, max. opening 110°. Supplied with grey painted cataphoresis cap, requires release accessory SB.Duxx.

**DU.ITCF-BL**

Self-supporting foundation box with cataphoretic painted finish, max. opening 110°. Supplied with black painted cataphoresis cap, requires release accessory SB.Duxx.

**SB.DUIT.K**

Kit comprising personalised release key and components to connect the motor to the gate. Mechanical stop incorporated.

**SB.DUIT.L**

Kit comprising release hex key and components to connect the motor to the gate. Mechanical stop incorporated.

**SB.DUIT.L-UK**

Kit comprising release hex key and elements to connect the motor to the gate. Equipped with adjustable mechanical stop.

**SB.DU180.K**

Kit comprising personalised release key and components to connect the motor to the gate, for openings up to 180°. The built-in mechanical stop cannot be used.

**SB.DU180.L**

Kit comprising release hex key and components to connect the motor to the gate, for openings up to 180°. The built-in mechanical stop cannot be used.

**DU.ITST**

Adjustable mechanical open stop 75°/80°/85°/90°/95°/100°.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**DUIT.BR-R**

Adaptors for installation of a right motor to the most common foundation boxes on the market.

**DUIT.BR-L**

Version for left motor with connecting rod.

**DU.FCN**

Watertight limit switches unit with cam holder disk included.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

TECHNICAL DATA	DU.IT14N*	DU.IT14NE	DU.IT14NV	DU.IT14NVE	DU.IT24NVE*
Use	commercial	commercial	residential	residential	commercial
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.6 A	1.6 A	1.6 A	1.6 A	11 A
Torque	370 Nm	370 Nm	220 Nm	220 Nm	280 Nm
Opening time	22"	22"	11"	11"	15"
Duty cycle	30%	30%	40%	40%	intensive use
Protection level	IP67	IP67	IP67	IP67	IP67
Encoder	NO	YES	NO	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3.5 m	3.5 m	2.1 m	2.1 m	3.5 m
Weight / Items no. per pallet	11.3 kg / 44	11.2 kg / 44	11 kg / 44	11.2 kg / 44	10 kg / 44
DU.ITIX weight	8.1 kg	8.1 kg	8.1 kg	8.1 kg	8.1 kg
DU.ITCF weight	9.6 kg	9.6 kg	9.6 kg	9.6 kg	9.6 kg
No. of foundation boxes per pallet	32	32	32	32	32

\* Available in 115 Vac version

230<sub>VAC</sub>

ENCODER

KNX  
MQTT

# DU.350N

## UNDERGROUND INSTALLATION

oil submerged gear

up to 4.0 m



### CONTROL UNITS:

DU.350N/NV	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
	* HEADY	144
DU.350NVE	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
DU.350NGE	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143

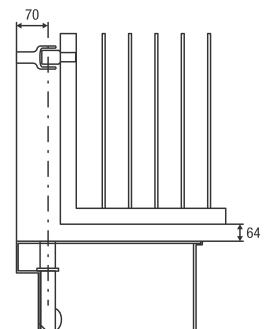
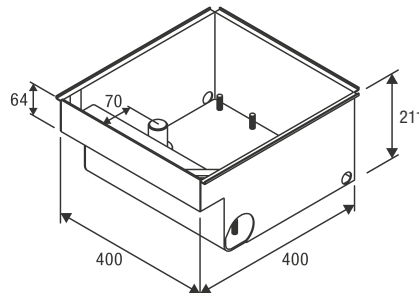
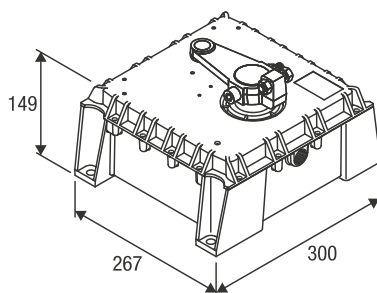
\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



## 230 Vac

- Irreversible electromechanical geared motor for gates of considerable sizes
- With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Adjustable mechanical stop included
- Available in the quick version (DU.350NV) for doors up to 3 m and in the version equipped with toothed wheel in cast iron (DU.350NGE)
- The versions with encoder (DU.350NVE and DU.350NGE) ensure crush prevention and precision in the gate moving phases
- A model equipped with 10 m cable is available to facilitate wiring operations and to prevent problems related to the oxidation of electrical contacts (DU.350NVE-10)

Cams' disk not included



**DU.350IX**

Self-supporting stainless steel foundation box max. opening 110°. Supplied with cover and cap, requires release accessory SB.DUxx.

**DU.350CF**

Self-supporting foundation box with cataphoretic painted finish, max. opening 110°. Supplied with grey painted cataphoresis cover (RAL9006) cap, requires release accessory SB.DUxx.

**DU.350CF-BL**

Self-supporting foundation box with cataphoretic painted finish, max. opening 110°. Supplied with black painted cataphoresis cover (RAL9005) and cap, requires release accessory SB.DUxx.

**SB.DU350.K**

Kit comprising personalised release key and components to connect the motor to the gate. Mechanical stop incorporated.

**SB.DU350.L**

Kit comprising release hex key and components to connect the motor to the gate. Mechanical stop incorporated.

**SB.DU350.L-UK**

Kit comprising release hex key and elements to connect the motor to the gate. Equipped with adjustable mechanical stop.

**SB.180.K**

Kit comprising personalised release key and components to connect the motor to the gate, for openings up to 180°. The built-in mechanical stop cannot be used.

**SB.180.L**

Kit comprising release hex key and components to connect the motor to the gate, for openings up to 180°. The built-in mechanical stop cannot be used.

**DU.350ST**

Adjustable mechanical open stop 80°/85°/90°/95°/100°/105°.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**DU.350FC**

Watertight limit switches with cam disk included.

TECHNICAL DATA	DU.350N	DU.350NGE	DU.350NV	DU.350NVE
Use	commercial	commercial	commercial	commercial
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Max absorbed current	1.7 A	1.7 A	1.7 A	1.7 A
Torque	450 Nm	450 Nm	370 Nm	370 Nm
Opening time	22"	22"	16"	16"
Duty cycle	intensive use	intensive use	intensive use	intensive use
Protection level	IP67	IP67	IP67	IP67
Encoder	NO	YES	NO	YES
Lubrication	OIL	OIL	OIL	OIL
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	4 m	4 m	3 m	3 m
Weight / Items no. per pallet	18.3 kg / 32	20.4 kg / 32	20.2 kg / 32	20.2 kg / 32
DU.350CF weight	14.3 kg	14.3 kg	14.3 kg	14.3 kg
No. of foundation boxes per pallet	24	24	24	24



# AUTOMATIONS FOR SLIDING GATES

## RESIDENTIAL USE

				CONTROL UNITS
	<b>BULL4</b> up to 450 kg	<b>24 Vdc</b> intensive use	<b>BULL424SW</b> <b>BULL424SE</b> <b>KBULL424SW</b> <b>KBULL424SE</b>	CP.B24-SW* CP.B24-D120* CP.B24-SW* CP.B24-D120*
	<b>BULL6</b> up to 600 kg	<b>230 Vac</b>	<b>BULL6MLT SE</b> <b>BULL6M SE.S</b> <b>KBULL6MLT SE</b> <b>KBULL6M SE.S</b>	CP.BULL6-SE* CP.BULL6-SE* CP.BULL6-SE* CP.BULL6-SE*
		<b>24 Vdc</b> intensive use	<b>BULL624SW</b> <b>BULL624SE</b> <b>BULL624SE.S</b> <b>KBULL624SW</b> <b>KBULL624SE</b>	CP.B24-SW* CP.B24-D120* CP.B24-D120* CP.B24-SW* CP.B24-D120*

## COMMERCIAL USE

				CONTROL UNITS
	<b>BULL624</b> up to 600 kg	<b>24 Vdc</b>	<b>BULL624 TURBO</b> <b>BULL624 TURBO.S</b> <b>KBULL624 TURBO</b>	CP.B24 TURBO* CP.B24 TURBO* CP.B24 TURBO*
	<b>BULL8</b> up to 800 kg	<b>230 Vac</b>	<b>BULL8M</b> <b>BULL8M.S</b> <b>BULL8 OM</b> <b>BULL8 OM.S</b> <b>KBULL8M</b> <b>KBULL8OM</b>	CP.BULL8-OM* CP.BULL8-OM* CP.BULL8-OM* CP.BULL8-OM* CP.BULL8-OM* CP.BULL8-OM*
	<b>BULL10</b> up to 1000 kg	<b>230 Vac</b>	<b>BULL10M</b> <b>BULL10M.S</b>	CP.BULL-RI* CP.BULL-RI*
		<b>24 Vdc</b>	<b>BULL1024SE</b> <b>BULL1024SE.S</b>	CP.B24-D120* CP.B24-D120*
	<b>BULL1224</b> up to 1200 kg	<b>24 Vdc</b>	<b>BULL1224 TURBO</b> <b>BULL1224 TURBO.S</b>	CP.B24 TURBO* CP.B24 TURBO*
	<b>BULL HE</b> up to 1400 kg	<b>230 Vac</b>	<b>BULL HE REVERSE</b>	CP.BULL-REV*
	<b>BULL15</b> up to 1500 kg	<b>230 Vac</b>	<b>BULL15M</b> <b>BULL15M.S</b>	CP.BULL-RI* CP.BULL-RI*
		<b>24 Vdc</b> continuous use	<b>BULL1524SE</b> <b>BULL1524SE.S</b>	CP.B24-D120* CP.B24-D120*





# INDUSTRIAL USE

				CONTROL UNITS
	<b>BULL17</b> up to 1700 kg	<b>230 Vac</b>	<b>BULL17 OMI</b> <b>BULL17 OMI.S</b>	CP.BULL OMI* CP.BULL OMI*
	<b>BULL20</b> up to 2000 kg	<b>230 Vac</b>	<b>BULL20M</b> <b>BULL20M.S</b> <b>BULL20 HE</b> <b>BULL20 HE.S</b>	CP.BULL-RI* CP.BULL-RI* CP.BULL20-HE* CP.BULL20-HE*
		<b>400 Vac</b> intensive use	<b>BULL20T</b>	THINKY   START
	<b>YAK25</b> up to 2500 kg	<b>230 Vac</b> three-phase intensive use	<b>YAK25 OTI</b>	CP.YAK OTI*
	<b>BISON25</b> up to 2500 kg	<b>230 Vac</b> three-phase intensive use	<b>BISON25 OTI</b>	CP.BISON OTI*
	<b>BISON35</b> up to 3500 kg	<b>400 Vac</b> three-phase intensive use	<b>BISON35 OTI</b>	CP.BISON OTI*
		<b>230 Vac</b> three-phase intensive use	<b>BISON35 OTI L</b>	CP.BISON OTI L*
	<b>BISON45</b> up to 4500 kg	<b>400 Vac</b> intensive use	<b>BISON45 OTI</b>	CP.BISON OTI*
	<b>BUFFALO160</b> up to 16000 kg	<b>230 Vac</b> three-phase intensive use	<b>BUFFALO160 OTI</b> <b>BUFFALO160 OTI SC</b>	CP.BUFFALO* BUFFALO DRIVE



# BULL424SW BULL624SW

## RESIDENTIAL | COMMERCIAL USE

control unit with built-in receiver and virtual encoder  
built-in ESA+ system  
personalised release key

up to 600 kg

## 24 Vdc | intensive use

- 24 Vdc Irreversible gear motor for intensive use with built-in control unit equipped with 115/230 Vac switching power supply that allows a low consumption and a longer lifespan of the operator
- Standby power consumption complies with European Regulation (EU) 2023/826**
- The control unit with trimmer and dip-switch, located at the top of the motor, facilitates wiring operations
- The virtual encoder enables optimal management of slowing-down phases, movement tracking (STC system) and torque management in relation to the position of the gate, guaranteeing maximum safety
- Operation guaranteed even in the event of a power supply failure through batteries that can be perfectly integrated in the motor (2 x 1.2 Ah)
- Anti-crushing system with amperometric obstacle detection
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface

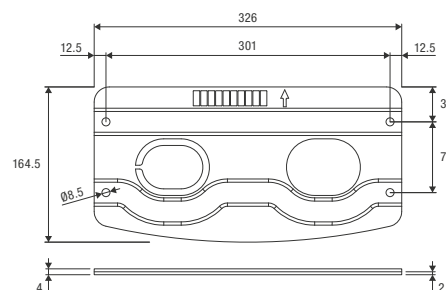
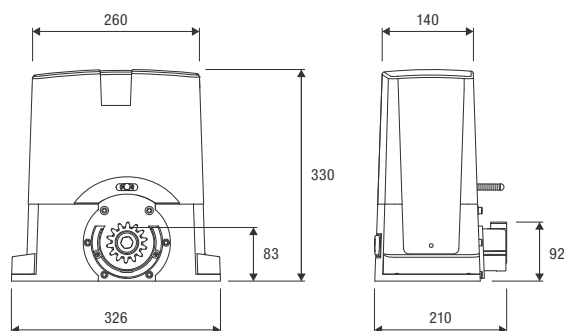








## CONTROL UNITS:

**BULL424SW** ——— CP.B24-SW 172  
**BULL624SW** ——— CP.B24-SW 172



Reinforced foundation plate Dima included.  
Dimensions 326x164.5x2 mm, motor fixing distance 301x75 mm, 4 holes Ø 8.5 mm.



COMPLETE KITS	 MOTOR	 PHOTOCELLS	 FLASHING LIGHT	 TRANSMITTER
 <b>KBULL424SW</b>	1x <b>BULL424SW</b>	1x <b>PUPILLA.T</b>	1x <b>STAR</b>	1x <b>TO.GO2VA</b>
 <b>KBULL624SW</b>	1x <b>BULL624SW</b>	1x <b>PUPILLA.T</b>	1x <b>STAR</b>	1x <b>TO.GO2VA</b>

**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 4 pcs.**

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 1 pc.**

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.  
**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.  
**Package of 1 pc.**

**RI.M4P**

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws.  
**Package of 10 pcs.**

**BULL.P-1**

Raised foundation plate. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm. External dimensions 372x167 mm.

**BULL.P3**

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm. External dimensions 326x167 mm.

**SB.BULL8.F**

Externally fitted anti-intrusion cable unlock device (L=4.5m).

**MLS**

Magnetic limit switches. Suitable for snowy places.

**SW.CB**

Accessory equipped with battery charger CB.SW and connection cables.

TECHNICAL DATA	BULL424SW	BULL624SW
Use	residential	residential
Power supply	115 / 230 Vac (50-60Hz)	115 / 230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	3.2 / 1.7 A	3.2 / 1.7 A
Max Thrust	428 N	715 N
Opening speed	5.5 ÷ 11 m/min	5.5 ÷ 11 m/min
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	450 kg	600 kg
Driving gear for rack	M4 Z14	M4 Z14
Weight / Items no. per pallet	8.0 kg / 40	8.3 kg / 40
Kit weight / Kits no. per pallet	8.4 kg / 40	8.5 kg / 40



# BULL424SE BULL624SE BULL1024SE

## RESIDENTIAL | COMMERCIAL USE

control unit with built-in receiver and virtual encoder  
built-in ESA+ system  
personalised release key  
built-in battery charger

**up to 1000 kg**

## 24 Vdc | intensive use

- 24 Vdc Irreversible gear motor for intensive use with built-in control unit equipped with 115/230 Vac switching power supply that allows a low consumption and a longer lifespan of the operator
- **Standby power consumption complies with European Regulation (EU) 2023/826**
- The control unit, located on the top of the motor, facilitates wiring operations
- The virtual encoder enables optimal management of slowing-down phases, movement tracking (STC system) and torque management in relation to the position of the gate, guaranteeing maximum safety
- Operation guaranteed even in the event of a power supply failure through batteries that can be perfectly integrated in the motor
- Anti-crushing system with amperometric obstacle detection
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface
- Version with magnetic limit switches available (BULL624SE.S, BULL1024SE.S)



## CONTROL UNITS:

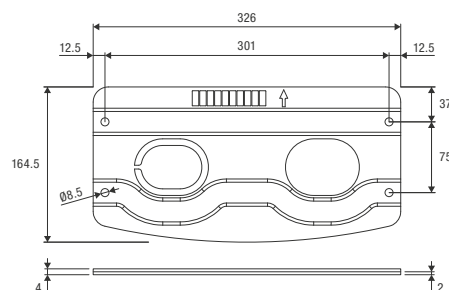
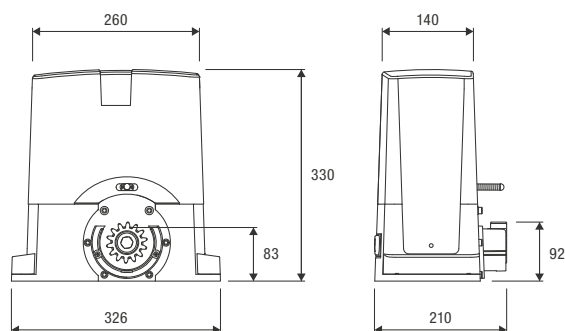
<b>BULL424SE</b>	CP.B24-D120	174
<b>BULL624SE</b>	CP.B24-D120	174
<b>BULL624SE.S</b>	CP.B24-D120	174
<b>BULL1024SE</b>	CP.B24-D120	174
<b>BULL1024SE.S</b>	CP.B24-D120	174



WATCH THE VIDEO



Reinforced foundation plate Dima included.  
Dimensions 326x164.5x2 mm, motor fixing distance 301x75 mm, 4 holes Ø 8.5 mm.



COMPLETE KITS	MOTOR	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
<b>KBULL424SE</b>	1x <b>BULL424SE</b>	1x <b>PUPILLA.T</b>	1x <b>STAR</b>	1x <b>TO.GO2VA</b>
<b>KBULL624SE</b>	1x <b>BULL624SE</b>	1x <b>PUPILLA.T</b>	1x <b>STAR</b>	1x <b>TO.GO2VA</b>

**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 4 pcs.**

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 1 pc.**

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.  
**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.  
**Package of 1 pc.**

**RI.M4P**

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws.  
**Package of 10 pcs.**

**BULL.P-1**

Raised foundation plate. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm. External dimensions 372x167 mm.

**BULL.P3**

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm. External dimensions 326x167 mm.

**SB.BULL8.F**

Externally fitted anti-intrusion cable unlock device (L=4.5m).

**MLS**

Magnetic limit switches. Suitable for snowy places.

**BT2.BAT**

1.2 Ah battery kit with bracket and cable.

**BULL624T.CB**

Kit composed of cables and brackets for batteries installation.  
**Pack of 5 pieces.**

**SIS**

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.

TECHNICAL DATA	BULL424SE	BULL624SE	BULL624SE.S	BULL1024SE	BULL1024SE.S
<b>Use</b>	<b>residential</b>	<b>residential</b>	<b>residential</b>	<b>commercial</b>	<b>commercial</b>
Power supply	115 / 230 Vac (50-60Hz)	115 / 230 Vac (50-60Hz)	115 / 230 Vac (50-60Hz)	115 / 230 Vac (50-60Hz)	115 / 230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc	24 Vdc	24 Vdc	24 Vdc
Max absorbed current	3.2 / 1.7 A	3.3 / 1.8 A	3.3 / 1.8 A	4 / 2 A	4 / 2 A
Max Thrust	535 N	650 N	650 N	892 N	892 N
Opening speed	5.5 ÷ 12 m/min	5.5 ÷ 14 m/min	5.5 ÷ 14 m/min	5.5 ÷ 10.5 m/min	5.5 ÷ 10.5 m/min
Duty cycle	intensive use	intensive use	intensive use	80%*	80%*
Protection level	IP44	IP44	IP44	IP44	IP44
Magnetic limit switches	NO	NO	YES	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Max gate weight	450 kg	600 kg	600 kg	1000 kg	1000 kg
Driving gear for rack	M4 Z14	M4 Z14	M4 Z14	M4 Z14	M4 Z14
Weight / Items no. per pallet	8.5 kg / 40	8.6 kg / 40	8.6 kg / 40	9.9 kg / 40	9.9 kg / 40
Kit weight / Kits no. per pallet	8.7 kg / 40	9.3 kg / 40	--- / ---	--- / ---	--- / ---

\* In extreme operating conditions (environment T 50°C, gate weight 1000 kg) the cycle falls to 50%





# BULL6M SE.S

## RESIDENTIAL USE

control unit with built-in receiver and encoder  
built-in ESA+ system  
personalised release key

up to 600 kg



## CONTROL UNITS:

**BULL6M SE.S** — CP.BULL6-SE 159

**BULL6MLT SE** — CP.BULL6-SE 159

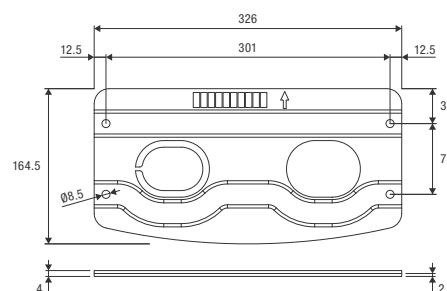
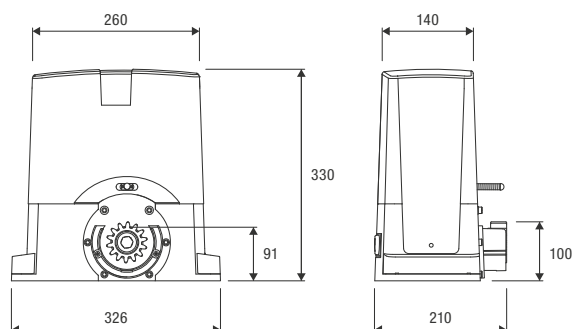






**230 Vac** electromechanical gear motor with built-in control unit equipped with 230 Vac switching power supply

- **Standby power consumption complies with European Regulation (EU) 2023/826**
- The control unit, located at the top of the motor, facilitates wiring operations
- The encoder device guarantees anti-crushing safety and precision during gate movement
- Equipped with magnetic limit switches (BULL6M SE.S)
- The BULL6MLT SE version is available with spring-loaded limit switches and without encoder, but with the option of connecting an encoder via the MAG.E accessory
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface



Reinforced foundation plate Dima included.  
Dimensions 326x164.5x2 mm, motor fixing distance 301x75 mm, 4 holes Ø 8.5 mm.



COMPLETE KITS	 MOTOR	 PHOTOCELLS	 FLASHING LIGHT	 TRANSMITTER
✓ <b>KBULL6M SE.S</b>	1x <b>BULL6M SE.S</b>	1x <b>PUPILLA.T</b>	1x <b>STAR</b>	1x <b>TO.GO2VA</b>
✓ <b>KBULL6MLT SE</b>	1x <b>BULL6MLT SE</b>	1x <b>PUPILLA.T</b>	1x <b>STAR</b>	1x <b>TO.GO2VA</b>

**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 4 pcs.**

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 1 pc.**

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.  
**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.  
**Package of 1 pc.**

**RI.M4P**

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws.  
**Package of 10 pcs.**

**BULL.P-1**

Raised foundation plate. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm. External dimensions 372x167 mm.

**BULL.P3**

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm. External dimensions 326x167 mm.

**SB.BULL8.F**

Externally fitted anti-intrusion cable unlock device (L=4.5m).

**MAG.E**

Magnetic encoder to detect obstacles and manage deceleration.

**MLS**

Magnetic limit switches. Suitable for snowy places.

TECHNICAL DATA	BULL6M SE.S	BULL6MLT SE
Use	residential	residential
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac
Max absorbed current	1.3 A	1.3 A
Max Thrust	650 N	650 N
Opening speed	10.5 m/min	10.5 m/min
Duty cycle	30%	30%
Protection level	IP44	IP44
Encoder	YES	NO
Magnetic limit switches	YES	NO
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	600 kg	600 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight / Items no. per pallet	10.9 kg / 40	10.9 kg / 40
Kit weight / Kits no. per pallet	12.3 kg / 40	12.3 kg / 40



# BULL624 TURBO



## COMMERCIAL USE

control unit with incorporated receiver and virtual encoder  
personalised release key  
built-in battery charger



up to 600 kg



## 24 Vdc | intensive use

- Fast 24 Vdc geared motor for intensive use with integrated control unit equipped with switching power supply (115/230 Vac) that permits a reduced power use and a long lifespan of the operator
- **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- The control unit, located on the top of the motor, facilitates wiring operations
- The virtual encoder allows proper management of the slowing-down phases, movement tracking (STC system), and torque management in relation to the position of the gate, which guarantees maximum safety
- Self-programming with the radio transmitter can be activated at the first installation. Practical cableguides
- **Maximum performance and speed (25.5 m/min with 600 kg)**
- Anti-crushing system with amperometric obstacle detection
- Safety sensor that stops the motor power supply during release operations
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface
- Operation guaranteed even in the event of a power failure thanks to batteries that can be perfectly integrated into the motor (the use of SE.MODULE precludes battery operation)
- Version available with magnetic limit switches (BULL624 TURBO.S)



## CONTROL UNITS:

**BULL624 TURBO** — ★ CP.B24 TURBO 173

**BULL624 TURBO.S** — ★ CP.B24 TURBO 173

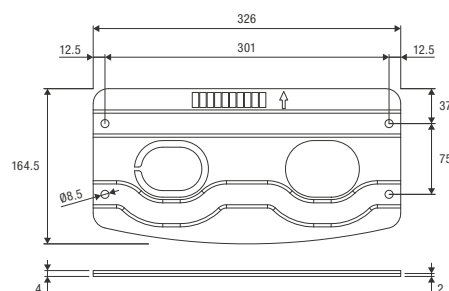
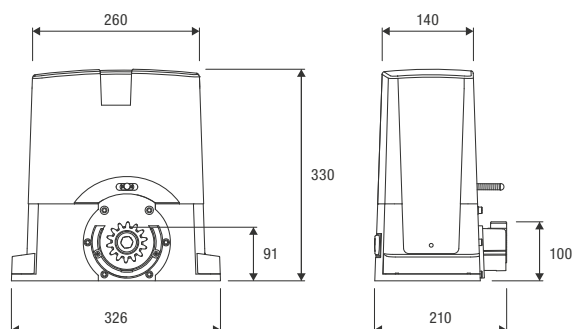
★ With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



**Turbo motor:**  
opening or closing of  
a 5-meter gate in just  
12 seconds, excluding  
acceleration and  
deceleration



Reinforced foundation plate Dima included.  
Dimensions 326x164.5x2 mm, motor fixing  
distance 301x75 mm, 4 holes Ø 8.5 mm.



### COMPLETE KITS



MOTOR



PHOTOCELLS



FLASHING LIGHT



TRANSMITTER

**KBULL624TURBO**

1x **BULL624TURBO**

1x **PUPILLA.T**

1x **STAR**

1x **TO.GO2VA**

**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 4 pcs.**

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 1 pc.**

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.  
**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.  
**Package of 1 pc.**

**RI.M4P**

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws.  
**Package of 10 pcs.**

**BULL.P-1**

Raised foundation plate. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm. External dimensions 372x167 mm.

**BULL.P3**

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm. External dimensions 326x167 mm.

**SB.BULL8.F**

Externally fitted anti-intrusion cable unlock device (L=4.5m).

**BT2.BAT**

1.2 Ah battery kit with bracket and cable.

**BULL624T.CB**

Kit composed of cables and brackets for batteries installation.  
**Pack of 5 pieces.**

**SIS**

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.

TECHNICAL DATA	BULL624 TURBO	BULL624 TURBO.S
Use	commercial	commercial
Power supply	115 Vac / 230 Vac (50-60Hz)	115 Vac / 230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	5 / 3 A	5 / 3 A
Max Thrust	330 N	330 N
Opening speed	12.5 ÷ 25.5 m/min	12.5 ÷ 25.5 m/min
Duty cycle	60%*	60%*
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	600 kg	600 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight / Items no. per pallet	10.0 kg / 40	10.0 kg / 40
Kit weight / Kits no. per pallet	10.6 kg / 40	--- / ---

\* In extreme operating conditions (environment T 50°C, speed 25.5 m/min, gate weight 600 kg) the cycle falls to 40%



# BULL8M BULL8 OM

## RESIDENTIAL | COMMERCIAL USE

control unit with built-in receiver and encoder  
personalised release key  
BULL8OM: oil lubrication

up to 800 kg



### CONTROL UNITS:

- BULL8M** ———— ★ CP.BULL8-OM 160
- BULL8M.S** ———— ★ CP.BULL8-OM 160
- BULL8 OM** ———— ★ CP.BULL8-OM 160
- BULL8 OM.S** ———— ★ CP.BULL8-OM 160

★ With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826

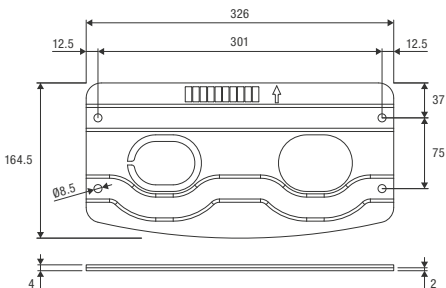
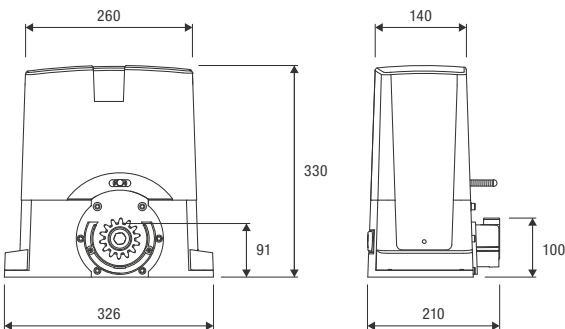






## 230 Vac

- 230 Vac gear motor with integrated control unit and encoder
- **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- The encoder device ensures crush prevention and precision in the gate moving phases
- Full metal mechanics and oil lubrication ensure maximum gear durability. The type of oil used is also particularly effective, and ensures maximum efficiency even at low temperatures
- Version with magnetic limit switches available (BULL8M.S, BULL8OM.S)



Reinforced foundation plate Dima included.  
Dimensions 326x164.5x2 mm, motor fixing distance 301x75 mm, 4 holes Ø 8.5 mm.



COMPLETE KITS	 MOTOR	 PHOTOCELLS	 FLASHING LIGHT	 TRANSMITTER
<b>KBULL8M</b>	1x <b>BULL8M</b>	1x <b>PUPILLA.T</b>	1x <b>STAR</b>	1x <b>TO.GO2VA</b>
<b>KBULL8OM</b>	1x <b>BULL8 OM</b>	1x <b>PUPILLA.T</b>	1x <b>STAR</b>	1x <b>TO.GO2VA</b>



**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 4 pcs.**

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 1 pc.**

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.  
**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.  
**Package of 1 pc.**

**RI.M4P**

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws.  
**Package of 10 pcs.**

**BULL.P-1**

Raised foundation plate. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm. External dimensions 372x167 mm.

**BULL.P3**

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm. External dimensions 326x167 mm.

**SB.BULL8.F**

Externally fitted anti-intrusion cable unlock device (L=4.5m).

TECHNICAL DATA	BULL8M*	BULL8M.S*	BULL8 OM*	BULL8 OM.S*
Use	commercial	commercial	commercial	commercial
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	230 Vac	230 Vac
Max absorbed current	2.6 A	2.6 A	2.6 A	2.6 A
Max Thrust	940 N	940 N	940 N	940 N
Opening speed	10.5 m/min	10.5 m/min	10.5 m/min	10.5 m/min
Duty cycle	30%	30%	40%	40%
Protection level	IP44	IP44	IP44	IP44
Magnetic limit switches	NO	YES	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Lubrication	GREASE	GREASE	OIL	OIL
Max gate weight	800 kg	800 kg	800 kg	800 kg
Driving gear for rack	M4 Z18	M4 Z18	M4 Z18	M4 Z18
Weight / Items no. per pallet	13.6 kg / 40	13.7 kg / 40	14.6 kg / 40	14.7 kg / 40
Kit weight / Kits no. per pallet	14.5 kg / 40	--- / ---	15.4 kg / 40	--- / ---

\* Available in 115 Vac version

230<sub>VAC</sub>

ENCODER



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# BULL10M BULL15M

## COMMERCIAL USE

control unit with built-in encoder and receiver  
personalised release key

**up to 1500 kg**



## CONTROL UNITS:

<b>BULL10M</b>	—————	★ CP.BULL-RI	161
<b>BULL10M.S</b>	—————	★ CP.BULL-RI	161
<b>BULL15M</b>	—————	★ CP.BULL-RI	161
<b>BULL15M.S</b>	—————	★ CP.BULL-RI	161

★ With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826

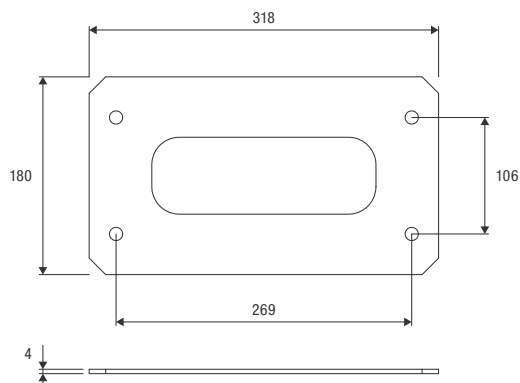
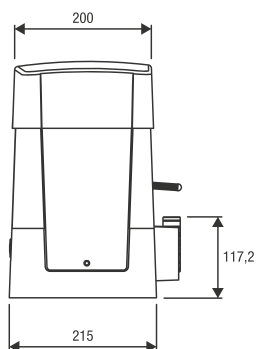
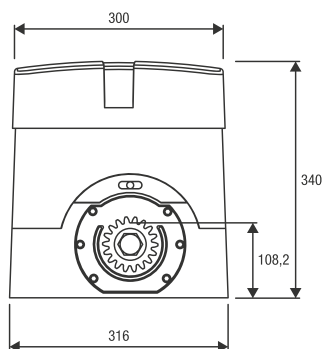


## 230 Vac

- 230 Vac gear motor with integrated control unit and encoder
- **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- The encoder device ensures crush prevention and precision in the gate moving phases
- Version with magnetic limit switches available (BULL10M.S, BULL15M.S)
- Steel anti-vandal protective casing (optional)



Foundation plate with anchor bolts included.  
Motor and floor fixing distance 269x106 mm, no. 4 Ø 12 mm.



**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 4 pcs.**

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 1 pc.**

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.  
**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.  
**Package of 1 pc.**

**RI.M6Z**

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.  
**Package of 1 pc.**

**RI.P6**

M6 gear, it needs the rack RI.M6Z.

**BULL.PI**

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm. External dimensions 335x220 mm.

**BULL.CA**

Anti-vandal casing. Only for models with spring-loaded limit switches.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	BULL10M*	BULL10M.S*	BULL15M*	BULL15M.S*
Use	commercial	commercial	commercial	commercial
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	230 Vac	230 Vac
Max absorbed current	1.6 A	1.6 A	2.5 A	2.5 A
Max Thrust	1000 N	1000 N	1250 N	1250 N
Opening speed	10.5 m/min	10.5 m/min	10.5 m/min	10.5 m/min
Duty cycle	40%	40%	60%	60%
Protection level	IP44	IP44	IP44	IP44
Magnetic limit switches	NO	YES	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Max gate weight	1000 kg	1000 kg	1500 kg	1500 kg
Driving gear for rack	M4 Z18	M4 Z18	M4 Z18	M4 Z18
Weight / Items no. per pallet	19 kg / 20	19.1 kg / 20	19.6 kg / 20	20.1 kg / 20

\* Available in 115 Vac version



# BULL1224 TURBO



## COMMERCIAL USE

control unit with incorporated receiver and virtual encoder  
oil lubricated reductions  
personalised release key  
built-in battery charger



**up to 1200 kg**



**24 Vdc** | intensive use



- Fast 24 Vdc geared motor for intensive use with oil lubricated reductions, control unit equipped with switching power supply (115/230 Vac) that permits reduced power use and long lifespan of the operator
- **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- The control unit, located on the top of the motor, facilitates wiring operations
- The virtual encoder allows proper management of the slowing-down phases, movement tracking (STC system), and torque management in relation to the position of the gate, which guarantees maximum safety
- Self-programming with transmitter can be activated at the first installation. Practical cableguides
- **Maximum performance and speed (24 m/min with 1200 kg)**
- Anti-crushing system with amperometric obstacle detection
- Safety sensor that stops the motor power supply during release operations
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface
- Operation guaranteed even in the event of a power failure thanks to batteries that can be perfectly integrated into the motor (the use of SE.MODULE precludes battery operation)
- Version available with magnetic limit switches (BULL1224 TURBO.S)
- Steel anti-vandal protective casing (optional)



## CONTROL UNITS:

**BULL1224 TURBO** — ★ CP.B24 TURBO 173

**BULL1224 TURBO.S** — ★ CP.B24 TURBO 173

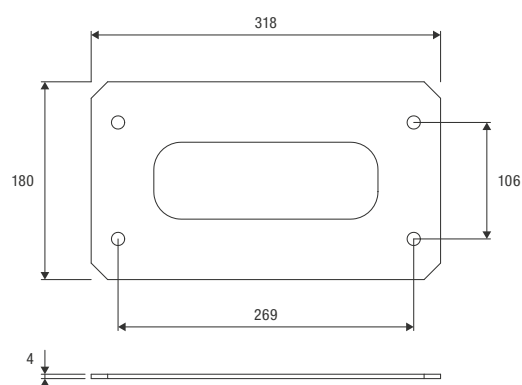
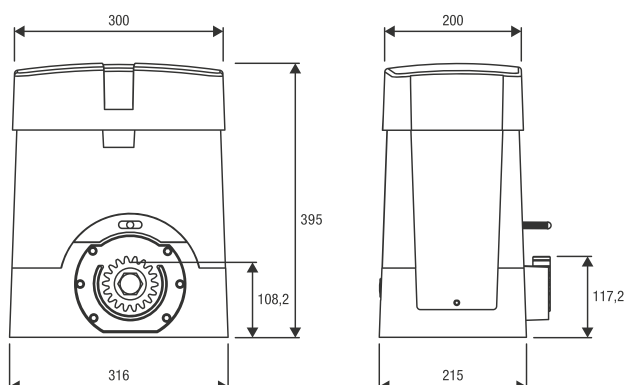
★ With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



**Turbo motor:**  
opening or closing of  
a 12-meter gate in just  
30 seconds, excluding  
acceleration and  
deceleration



Foundation plate with anchor bolts included.  
Motor and floor fixing distance 269x106 mm, no. 4 Ø 12 mm.



**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 4 pcs.**

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 1 pc.**

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.  
**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.  
**Package of 1 pc.**

**RI.M6Z**

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.  
**Package of 1 pc.**

**RI.P6**

M6 gear, it needs the rack RI.M6Z.

**BULL.PI**

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm. External dimensions 335x220 mm.

**BULL.CA**

Anti-vandal casing. Only for models with spring-loaded limit switches.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

**BT6.BAT**

1.2 Ah battery kit with bracket and cable.

**BULL1224T.CB**

Kit composed of cables and brackets for batteries installation.  
**Pack of 5 pieces.**

**SIS**

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.

TECHNICAL DATA	BULL1224 TURBO	BULL1224 TURBO.S
<b>Use</b>	<b>commercial</b>	<b>commercial</b>
Power supply	115 Vac / 230 Vac (50-60Hz)	115 Vac / 230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	5 / 3 A	5 / 3 A
Max Thrust	550 N	550 N
Opening speed	12.5 ÷ 24 m/min	12.5 ÷ 24 m/min
Duty cycle	80%*	80%*
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	1200 kg	1200 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight / Items no. per pallet	17.3 kg / 20	17.4 kg / 20

\* In extreme operating conditions (environment T 50°C, speed 24 m/min, gate weight 1200 kg) the cycle falls to 40%

230<sub>VAC</sub>

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# BULL HE<sup>REVERSE</sup>



## CONTROL UNITS:

BULL HE<sup>REVERSE</sup> — CP.BULL-REV 162

### COMMERCIAL | INDUSTRIAL USE

control unit with integrated receiver and encoder  
self-ventilated operator, reversible with electric brake  
personalised release key

**up to 1400 kg**

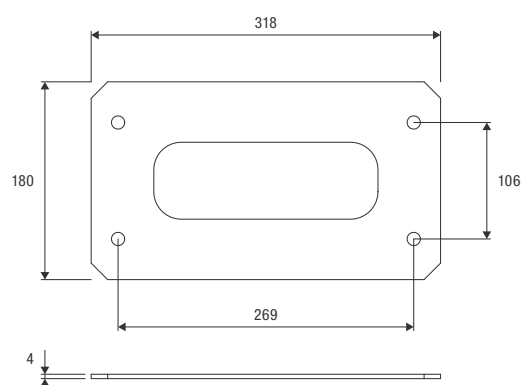
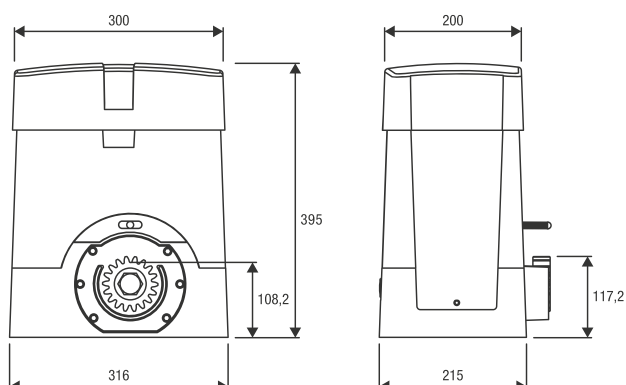


### 230 Vac | very intensive use

- 230 Vac self-ventilated gear motor for very intensive use with built-in control unit
- Reversible with electric brake in opening and closing, ideal for collective use
- The encoder guarantees maximum safety and precision while the gate is moving
- Steel anti-vandal protective cover (optional)



Foundation plate with anchor bolts included.  
Motor and floor fixing distance 269x106 mm, no. 4 Ø 12 mm.





**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 4 pcs.**

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 1 pc.**

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.  
**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.  
**Package of 1 pc.**

**RI.M6Z**

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.  
**Package of 1 pc.**

**RI.P6**

M6 gear, it needs the rack RI.M6Z.

**BULL.PI**

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm. External dimensions 335x220 mm.

**BULL.CA**

Anti-vandal casing. Only for models with spring-loaded limit switches.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

**BULL HE REVERSE** is the reversible model that allows manual gate opening in the event of a power outage, without the need to unlock the gearmotor.

It is the ideal solution for automating entrances where uninterrupted access must always be guaranteed, for example in compliance with local accessibility regulations or where there is no alternative pedestrian entrance.

TECHNICAL DATA	BULL HE REVERSE
<b>Use</b>	<b>commercial</b>
Power supply	230 Vac (50-60Hz)
Motor supply	230 Vac
Max absorbed current	3 A
Max Thrust	550 N
Opening speed	13.5 m/min
Duty cycle	80%*
Protection level	IP44
Operating temperature	-20°C /+50°C
Max gate weight	1400 kg
Driving gear for rack	M4 Z18
Weight / Items no. per pallet	21.4 kg / 20

\* In extreme operating conditions (environment T 50°C, gate weight 1400 kg) the cycle falls to 60%



# BULL1524SE



## COMMERCIAL USE

control unit with built-in receiver and virtual encoder  
built-in ESA+ system  
personalised release key  
built-in battery charger



up to 1500 kg



## 24 Vdc | continuous use

- 24 Vdc Irreversible gear motor for intensive use with built-in control unit equipped with 115/230 Vac switching power supply that allows a low consumption and a longer lifespan of the operator
- **Standby power consumption complies with European Regulation (EU) 2023/826**
- The control unit, located on the top of the motor, facilitates wiring operations
- The virtual encoder enables optimal management of slowing-down phases, movement tracking (STC system) and torque management in relation to the position of the gate, guaranteeing maximum safety
- Operation guaranteed even in the event of a power supply failure through batteries that can be perfectly integrated in the motor
- Anti-crushing system with amperometric obstacle detection
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface
- Version with magnetic limit switches available (BULL1524SE.S)
- Steel anti-vandal protective cover (optional)



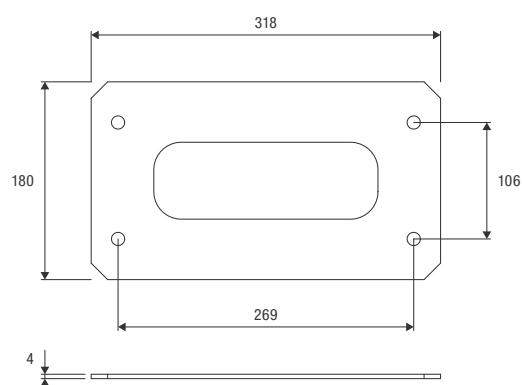
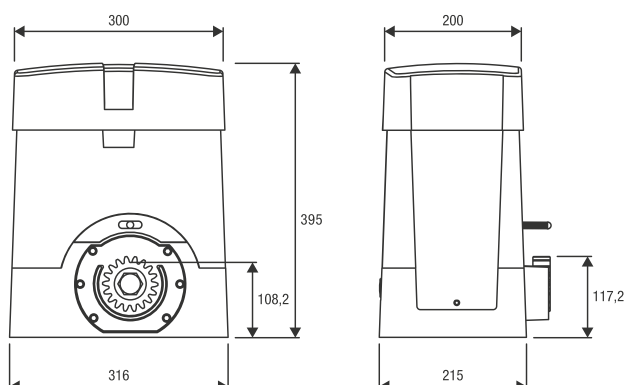
## CONTROL UNITS:

**BULL1524SE** ——— CP.B24-D120 174

**BULL1524SE.S** ——— CP.B24-D120 174



Foundation plate with anchor bolts included.  
Motor and floor fixing distance 269x106 mm, no. 4 Ø 12 mm.



**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 4 pcs.**

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 1 pc.**

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.  
**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.  
**Package of 1 pc.**

**RI.M6Z**

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.  
**Package of 1 pc.**

**RI.P6**

M6 gear, it needs the rack RI.M6Z.

**BULL.PI**

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm. External dimensions 335x220 mm.

**BULL.CA**

Anti-vandal casing. Only for models with spring-loaded limit switches.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

**BT6.BAT**

1.2 Ah battery kit with bracket and cable.

**BULL1224T.CB**

Kit composed of cables and brackets for batteries installation.  
**Pack of 5 pieces.**

**SIS**

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.

TECHNICAL DATA	BULL1524SE	BULL1524SE.S
<b>Use</b>	<b>commercial</b>	<b>commercial</b>
Power supply	115 Vac / 230 Vac (50-60Hz)	115 Vac / 230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	3.7 / 2 A	3.7 / 2 A
Max Thrust	916 N	916 N
Opening speed	5.5 ÷ 11.7 m/min	5.5 ÷ 11.7 m/min
Duty cycle	continuous use*	continuous use*
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	1500 kg	1500 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight / Items no. per pallet	16.1 kg / 20	16.2 kg / 20

\* In extreme operating conditions (environment T 50°C, gate weight 1500 kg) the cycle falls to 65%

230<sub>VAC</sub>

# BULL17 OMI



## INDUSTRIAL USE

control unit with built-in inverter and virtual encoder  
control unit with mechanical ventilation  
oil lubricated reductions  
personalised release key



**up to 1700 kg**



## CONTROL UNITS:

**BULL17 OMI** ——— CP.BULL OMI 164

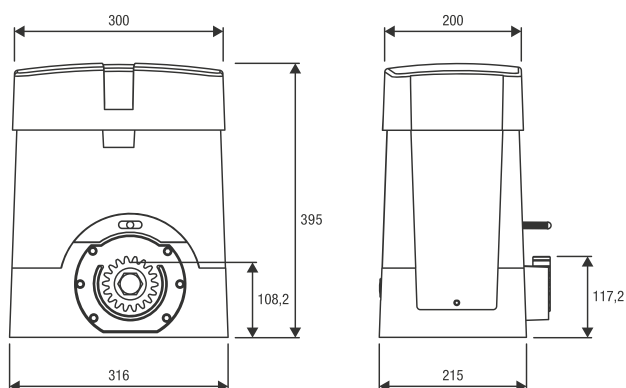
**BULL17 OMI.S** ——— CP.BULL OMI 164



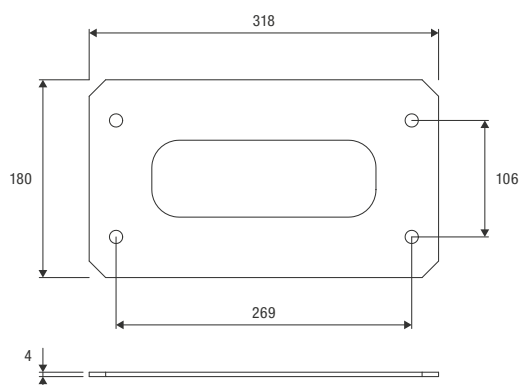
## 230 Vac | intensive use

- Single phase 230 Vac geared motor for intensive use with oil lubricated reductions
- The control unit, located on the top of the motor, facilitates wiring operations
- Oil lubrication guarantees maximum duration of the reducer. The type of oil is very effective and guarantees excellent performance even at low temperatures
- Reduced mechanical wear of components
- The virtual encoder allows proper management of the slowing-down phases
- Adjustable speed from 10 to 24 m/min according to gate weight
- Safety sensor that stops the motor power supply during release operations
- Receiver ONE2.WI is supplied
- Version with magnetic limit switches available (BULL17 OMI.S)
- Steel anti-vandal protective cover (optional)

Foundation plate with anchor bolts included.  
Motor and floor fixing distance 269x106 mm, no. 4 Ø 12 mm.



Weight (kg)	Speed (m/min)
1,700	17
1,000	20
500	24



**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 4 pcs.**

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 1 pc.**

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.  
**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.  
**Package of 1 pc.**

**RI.M6Z**

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.  
**Package of 1 pc.**

**RI.P6**

M6 gear, it needs the rack RI.M6Z.

**BULL.PI**

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm. External dimensions 335x220 mm.

**BULL.CA**

Anti-vandal casing. Only for models with spring-loaded limit switches.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	BULL17 OMI*	BULL17 OMI.S*
Use	industrial	industrial
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac
Max absorbed current	7 A	7 A
Max Thrust	1880 N	1880 N
Max opening speed	24 m/min	24 m/min
Duty cycle	60%**	60%**
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Lubrication	OIL	OIL
Max gate weight	1700 kg	1700 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight / Items no. per pallet	21.6 kg / 20	21.6 kg / 20

\* Available in 115 Vac version | \*\* In extreme operating conditions (environment T 50°C, speed 24 m/min, gate weight 500 kg) the cycle falls to 40%



# BULL20M BULL20 HE BULL20T

## INDUSTRIAL USE

control unit with built-in encoder and receiver  
personalised release key  
BULL20HE: self-ventilated with oil lubricated reductions  
BULL20T: self-ventilated without control unit

**up to 2000 kg**

Irreversible electromechanical gear motor available available in 230 Vac single-phase (BULL20M), 400 Vac three-phase (BULL20T) or 230 Vac single-phase with oil lubricated reductions for very intensive use (BULL20 HE). Steel anti-vandal protective cover (optional).

## 230 Vac

- 230 Vac gear motor with integrated control unit and encoder
- **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- The encoder device ensures crush prevention and precision in the gate moving phases
- Version with magnetic limit switches available (BULL20M.S, BULL20HE.S)

## 400 Vac

- 400 Vac three-phase gear motor with external control unit and electric brake
- Self-ventilated for very intense use



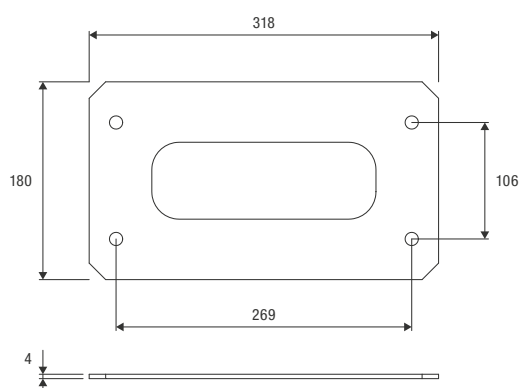
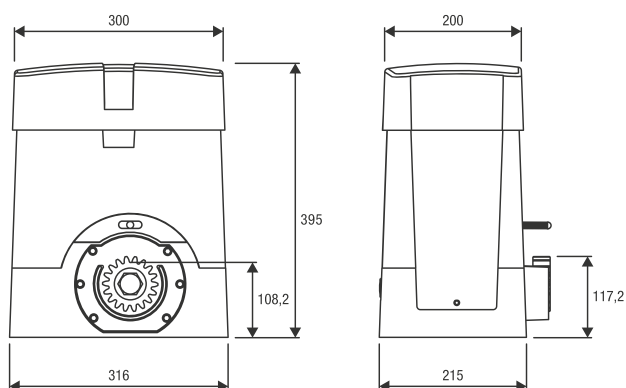
## CONTROL UNITS:

<b>BULL20M</b>	—	★ CP.BULL-RI	161
<b>BULL20M.S</b>	—	★ CP.BULL-RI	161
<b>BULL20 HE</b>	—	★ CP.BULL20-HE	163
<b>BULL20 HE.S</b>	—	★ CP.BULL20-HE	163
<b>BULL20T</b>	—	THINKY	149
		START	150

★ With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



Foundation plate with anchor bolts included.  
Motor and floor fixing distance 269x106 mm, no. 4 Ø 12 mm.





**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 4 pcs.**

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.  
**Package of 1 pc.**

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.  
**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.  
**Package of 1 pc.**

**RI.M6Z**

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.  
**Package of 1 pc.**

**RI.P6**

M6 gear, it needs the rack RI.M6Z.

**BULL.PI**

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm. External dimensions 335x220 mm.

**BULL.CA**

Anti-vandal casing. Only for models with spring-loaded limit switches.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	BULL20M*	BULL20M.S*	BULL20 HE*	BULL20 HE.S*	BULL20T
Use	industrial	industrial	industrial	industrial	industrial
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	---
Motor supply	230 Vac	230 Vac	230 Vac	230 Vac	≈ 400 Vac (50-60Hz)
Max absorbed current	2.9 A	2.9 A	3 A	3 A	1.7 A
Max Thrust	1667 N	1667 N	1100 N	1100 N	2000 N
Opening speed	10.5 m/min	10.5 m/min	10.5 m/min	10.5 m/min	10.5 m/min
Duty cycle	40%	40%	80%**	80%**	intensive use
Protection level	IP44	IP44	IP44	IP44	IP44
Built-in control unit	YES	YES	YES	YES	NO
Magnetic limit switches	NO	YES	NO	YES	NO
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Lubrication	GREASE	GREASE	OIL	OIL	GREASE
Max gate weight	2000 kg	2000 kg	2000 kg	2000 kg	2000 kg
Driving gear for rack	M4 Z18	M4 Z18	M4 Z18	M4 Z18	M4 Z18
Weight / Items no. per pallet	21.1 kg / 20	21.3 kg / 20	21.4 kg / 20	21.4 kg / 20	21.3 kg / 20

\* Available in 115 Vac version | \*\* In extreme operating conditions (environment T 50°C, gate weight 2000 kg) the cycle falls to 60%

230<sub>VAC</sub>

# YAK25 OTI

VIRTUAL  
ENCODER

## INDUSTRIAL USE

control unit with built-in inverter and virtual encoder  
double ventilation on motor and control unit  
oil lubricated reductions  
personalised release key

**up to 2500 kg**

512



## CONTROL UNITS:

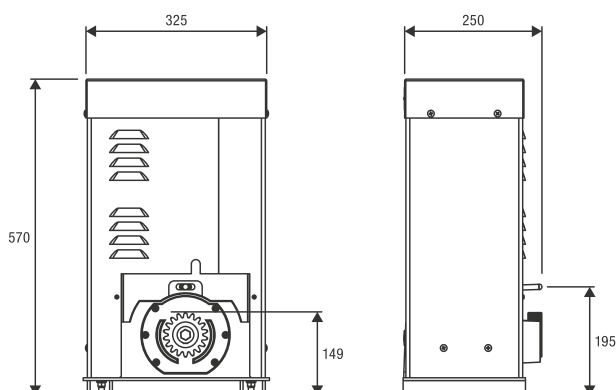
YAK25 OTI ——— CP.YAK OTI 168



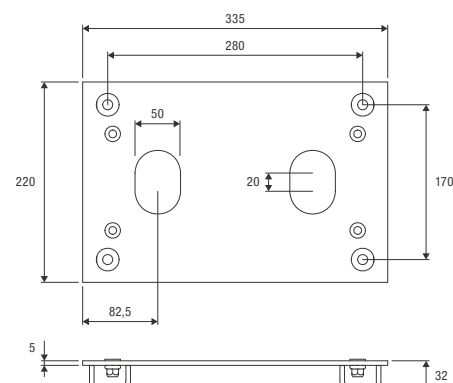
## 230 Vac | intensive use

- Three-phase 230 Vac geared motor for intensive use with incorporated control unit, self-ventilation system and metal oil lubricated reductions to guarantee maximum performance also at low temperatures
- The control unit, located on the top of the motor, facilitates wiring operations
- The virtual encoder allows proper management of the slowing-down phases
- Adjustable speed from 10 to 24 m/min according to gate weight
- Safety sensor that stops the motor power supply during release operations
- External metal casing with the possibility to install PUPILLA/PUPILLA.T photocells (as accessory)
- Receiver ONE2.WB is supplied

Raised foundation plate included. Height 32 mm.  
Floor fixing distance 280x170 mm, no. 4 Ø 11 mm,  
motor fixing distance 269x106 mm n.4 M10.



Weight (kg)	Speed (m/min)
2,500	10
2,000	11
1,500	14
1,000	16
500	24



**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.

**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.

**Package of 1 pc.**

**RI.M6Z**

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.

**Package of 1 pc.**

**RI.P6**

M6 gear, it needs the rack RI.M6Z.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	YAK25 OTI
<b>Use</b>	<b>industrial</b>
Power supply	230 Vac (50-60Hz)
Motor supply	≈ 230 Vac
Max absorbed current	4.0 A
Max Thrust	2500 N
Max opening speed	24 m/min
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Lubrication	OIL
Max gate weight	2500 kg
Driving gear for rack	M4 Z18
Weight / Items no. per pallet	36.3 kg / 8



# BISON25 OTI

## INDUSTRIAL USE

control unit with built-in receiver, magnetic encoder and inverter  
oil lubricated reductions  
IP68 limit switch  
personalised release key

**up to 2500 kg**



## CONTROL UNITS:

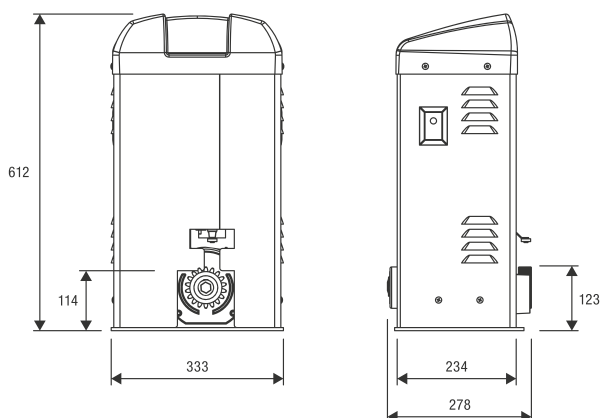
**BISON25 OTI** ——— CP.BISON OTI 165



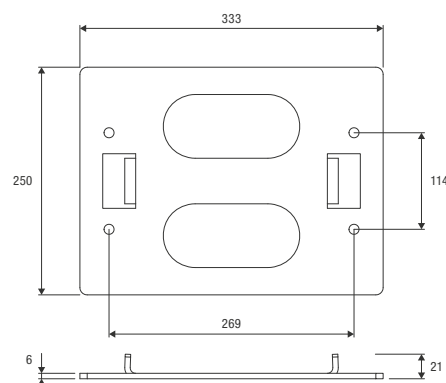
Foundation plate with anchor bolts included.  
Motor and floor fixing distance  
269 mm x 114 mm, no. 4 Ø 12 mm.

## 230 Vac | intensive use

- Three phase 230 Vac geared motor, ventilated for intensive use
- Full metal mechanics and oil lubrication. The type of oil used ensures maximum efficiency even at low temperatures
- The encoder device ensures precision in the gate moving phases
- Casing protective treatment and paint
- The inverter technology allows for more precise adjustment of the gate moving phases, and increased crush prevention security
- Optional built-in FTC.S photocells, available as accessory



Weight (kg)	Speed (m/min)
2,500	10
2,000	11
1,450	13
1,100	15
650	19



**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.

**Package of 1 pc.**

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.

**Package of 1 pc.**

**RI.M6Z**

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.

**Package of 1 pc.**

**RI.P6**

M6 gear, it needs the rack RI.M6Z.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	BISON25 OTI
<b>Use</b>	<b>industrial</b>
Power supply	230 Vac (50-60Hz)
Motor supply	≈ 230 Vac
Max absorbed current	8 A
Max Thrust	2500 N
Max opening speed	19 m/min
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Lubrication	OIL
Max gate weight	2500 kg
Driving gear for rack	M4 Z18
Weight / Items no. per pallet	41.2 kg / 8



# BISON35 OTI

# BISON45 OTI

## INDUSTRIAL USE

control unit with built-in receiver, magnetic encoder and inverter  
oil lubricated reductions  
IP68 limit switch  
personalised release key

**up to 4500 kg**



## CONTROL UNITS:

**BISON35 OTI** ——— CP.BISON OTI 165

**BISON35 OTIL** ——— CP.BISON OTI L 166

**BISON45 OTI** ——— CP.BISON OTI 165

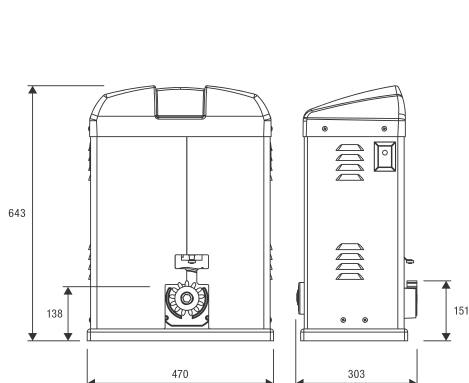


## 230 Vac | 400 Vac | intensive use

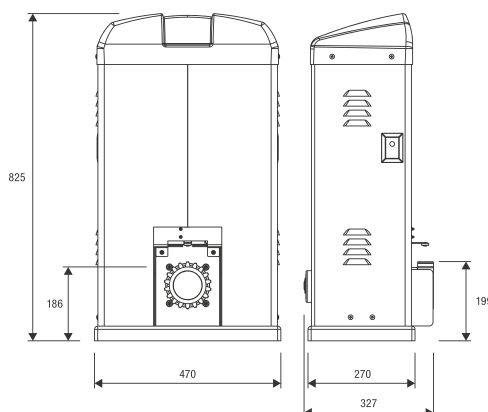
- Electromechanical three-phase gear motor, available at 230 Vac (BISON35 OTI L), connectable to 230 Vac single-phase mains, or 400 Vac (BISON35 OTI, BISON45 OTI) connectable to three-phase 400 Vac mains
- Ventilated for intensive use
- The encoder device ensures precision in the gate moving phases
- Full metal mechanics and oil lubrication with maximum efficiency even at low temperatures
- Casing protective treatment and paint
- The inverter technology allows for more precise adjustment of the gate moving phases, and increased crush prevention security
- Optional built-in FTC.S photocells, available as accessory
- Safety sensor that interrupts the power supply motor during release operations (BISON45 OTI)

**Foundation plate not included**

□ BISON35 OTI | BISON35 OTI L



□ BISON45 OTI



### BISON35 OTI

Weight (kg)	Speed (m/min)
3,500	10
3,000	11
2,250	13
1,600	15
850	19

### BISON45 OTI

Weight (kg)	Speed (m/min)
4,500	10
3,500	11
2,600	13
2,000	15
1,150	19



**RI.M6Z**

M6 galvanised rack to weld 30x30x2000 mm.  
**Package of 1 pc.**

**BISON.P35**

Foundation plate with coach screws and support base for height adjustment. Motor fixing distance 410x165 mm n.4 Ø 13 mm.  
 For BISON35 OTI/OTIL models.

**BISON.P45**

Foundation plate with coach screws and support base for height adjustment. Motor fixing distance 410x165 mm n.4 Ø 14,5 mm.  
 For BISON45 OTI model.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non-rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	BISON35 OTI	BISON35 OTI L	BISON45 OTI
Use	industrial	industrial	industrial
Power supply	≈ 400 Vac (50-60Hz)	230 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)
Motor supply	≈ 400 Vac	≈ 230 Vac	≈ 400 Vac
Max absorbed current	3 A	8 A	2.85 A
Max Thrust	3000 N	2500 N	5000 N
Max opening speed	19 m/min	10.5 m/min	19 m/min
Duty cycle	intensive use	intensive use	intensive use
Protection level	IP44	IP44	IP44
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Lubrication	OIL	OIL	OIL
Max gate weight	3500 kg	3500 kg	4500 kg
Driving gear for rack	M6 Z13	M6 Z13	M6 Z18
Weight / Items no. per pallet	50.8 kg / 4	51.0 kg / 4	66.0 kg / 4

230<sub>VAC</sub>

ENCODER



64

# BUFFALO160 OTI



## CONTROL UNITS:

BUFFALO160 OTI — CP.BUFFALO OTI 167

BUFFALO160 OTI SC — BUFFALO DRIVE 151

## INDUSTRIAL USE

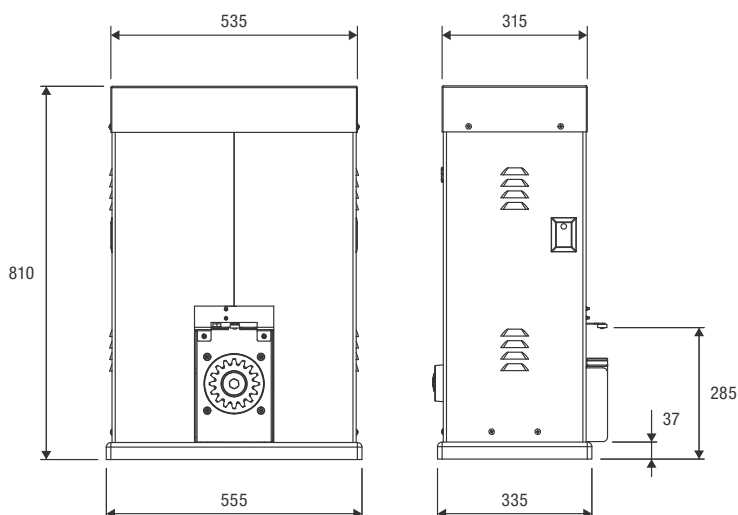
control unit with built-in receiver, magnetic encoder and inverter  
oil lubricated reductions  
IP68 limit switch  
personalised release key

**up to 16000 kg**

## 230 Vac | intensive use

- 230 Vac three-phase ventilated gear motor for intensive use
- The control unit, located at the top of the motor, facilitates wiring operations
- The encoder device ensures precision during gate movement
- All-metal mechanics and oil lubrication with excellent performance even at low temperatures
- Cover and casing in sheet metal with zinc primer and paint finish
- The inverter allows the motor speed to be gradually varied during both acceleration and deceleration, as well as ensuring more precise adjustment of the gate movement phases and greater anti-crushing safety
- FTC.S integrated photocells available as accessory
- Safety sensor that stops the motor power supply during release operations
- Access to the unlocking system via customised key and release possible via hexagonal key CH12
- BUFFALO16 OTI SC version available with external BUFFALO DRIVE control unit housed in a ventilated IP54 box

**Foundation plate not included**



Weight (kg)	Speed (m/min)
16,000	4 ÷ 7
13,000	8
11,000	9
9,000	10
8,000	11
7,000	12
6,000	13
5,500	14
4,500	15
4,000	16

**RI.M6Z**

M6 galvanised rack to weld 30x30x2000 mm.

**Package of 1 pc.**

**BUFFALO.P160**

Foundation base with anchor bolts. Motor fixing distance 490x215 mm, 6 pcs, Ø 14.5 mm. For BUFFALO160 OTI / SC models.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	BUFFALO160 OTI	BUFFALO160 OTI SC
<b>Use</b>	<b>industrial</b>	<b>industrial</b>
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	Δ 230 Vac	Δ 230 Vac
Max absorbed current	8,3 A	8,3 A
Max Thrust	12650 N	12650 N
Max opening speed	4 ÷ 16 m/min	4 ÷ 16 m/min
Duty cycle	S3 70%	S3 70%
Protection level	IP44	IP44 (control unit IP54)
Built-in control unit	YES	NO
Operating temperature	-20°C /+50°C	-20°C /+50°C
Lubrication	OIL	OIL
Max gate weight	16000 kg	16000 kg
Driving gear for rack	M6 Z16	M6 Z16
Weight / Items no. per pallet	121,0 kg / 4	120,0 kg / 4



# AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

## RESIDENTIAL USE

**MARK**  
counterweight  
garage doors

**24 Vdc**  
intensive use

**MARK**  
**MARK.SC**

### CONTROL UNITS

CP.MARK\*  
TILTY24

**JIM**  
sectional  
garage doors

**24 Vdc**  
intensive use

**JM.3**  
**JM.4**  
**JM.3SE**

CP.J3-SW\*  
CP.J4-SW\*  
CP.J4-SE\*

## COMMERCIAL USE

**ZED**  
counterweight  
garage doors

**230 Vac**

**ZED.RIE**  
**ZED.SC**  
**ZED.LRIE**  
**ZED.LSC**

### CONTROL UNITS

CP.ZED-AUTR\*  
LOGICA  
CP.ZED-AUTR\*  
LOGICA

**24 Vdc**  
intensive use

**ZED24.RI**  
**ZED24.SC**

CP.ZED24\*  
LOGICA24

**JIM**  
sectional  
garage doors

**24 Vdc**  
intensive use

**JM.4SE**  
**JM.3ESA TURBO**  
**JM.4ESA**

CP.J4-SE\*  
CP.JT\*  
CP.J4ESA\*

**JACK**  
sectional  
garage doors

**24 Vdc**  
intensive use

**JACK24.50**  
**JACK24.80**

CP.JACK\*  
CP.JACK\*

INDUSTRIAL  
USE

				CONTROL UNITS
INDUSTRIAL USE	<b>VN.S</b> sectional doors rolling doors	<b>230 Vac</b>	<b>VN.S20</b> <b>VN.S20 UP</b> <b>VN.S20 ESW</b> <b>VN.S40</b>	THINKY   START   CELL.P UP.VN* THINKY THINKY   START   CELL.P
		<b>400 Vac</b>	<b>VN.ST20</b> <b>VN.ST20 ESW</b>	THINKY   START THINKY
	<b>VN.S</b> industrial sliding doors and folding doors with more than 2 sections	<b>230 Vac</b>	<b>VN.S40V</b>	THINKY   START   CELL.P
		<b>230 Vac</b>	<b>VN.M20</b> <b>VN.M20 UP</b> <b>VN.M20 ESW</b> <b>VN.M40</b> <b>VN.M40 UP</b> <b>KVN.M20 ESW</b>	THINKY   START   CELL.P UP.VN* THINKY THINKY   START   CELL.P UP.VN* THINKY
	<b>VN.M</b> sectional doors rolling doors	<b>400 Vac</b>	<b>VN.MT20</b> <b>VN.MT20 ESW</b> <b>VN.MT40</b>	THINKY   START THINKY THINKY   START
		<b>400 Vac</b> intensive use	<b>VN.MT40V</b>	THINKY   START
	<b>VN.M</b> large sectional doors, rolling doors and unbalanced shutters	<b>230 Vac</b>	<b>ADAM</b>	BRAINY <sup>PLUS</sup>   BRAINY
	<b>ADAM</b> folding door with max 2 wings	<b>24 Vdc</b> intensive use	<b>ADAM24</b>	BRAINY24 <sup>PLUS</sup>   BRAINY24



24VDC

MARK

**COUNTERWEIGHT GARAGE DOORS  
RESIDENTIAL USE**

control unit with built-in receiver and encoder  
built-in ESA+ system  
built-in battery charger

**up to 8 m<sup>2</sup> (12 m<sup>2</sup> with 2 operators)****DESIGNED TO COMPLY WITH  
EUROPEAN SAFETY STANDARDS****24 Vdc** | intensive use

- Electromechanical gear motor with integrated control unit equipped with 115/230 Vac switching power supply that permits a low consumption and a longer lifespan of the operator
- **Standby power consumption complies with European Regulation (EU) 2023/826**
- Equipped with a service light with 14 integrated LEDs that guarantee a high light output even in the version without control unit
- The operator is characterised by a compact size (48 cm length) that allows for a simplified balance of the door, an easy and quick installation even on folding counterweight garage doors
- The output shaft with 20 x 20 mm through-hole panel and the wheelbase of just 53 mm enables perfect integration also with existing systems
- The encoder guarantees the highest safety and precision during the movement of the door
- Limit switch for the opening and integrated control buttons
- The STC system allows for the torque management in relation to the position of the door, which guarantees maximum safety
- Operation guaranteed even in the event of a power failure thanks to batteries
- Anti-crushing system with amperometric obstacle detection
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface
- Integrated manual release system with lever
- Suitable for folding garage doors thanks to a possible overturned installation

**CONTROL UNITS:**

MARK ———— CP.MARK

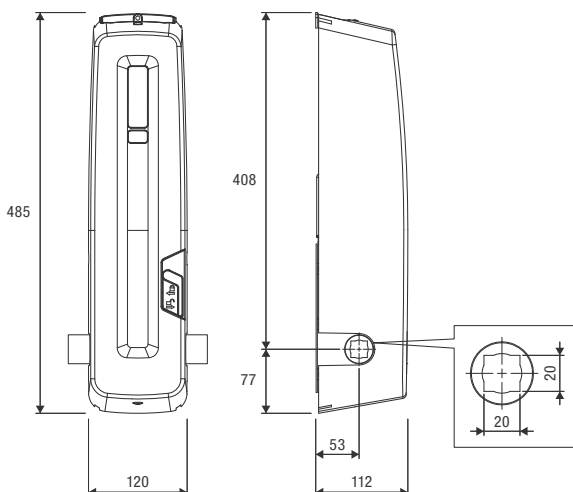
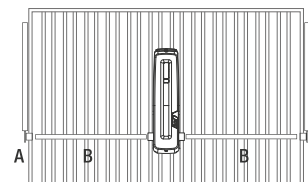
175

MARK.SC ———— TILTY24

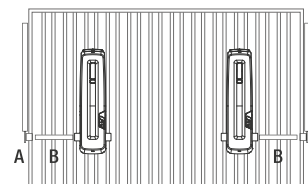
155



WATCH THE VIDEO

**□ CENTRAL ASSEMBLY**

A*	B
MARK.D / MARK.DL / MARK.C6 / MARK.C10	MARK.T180

**□ LATERAL ASSEMBLY**

A*	B
MARK.D / MARK.DL / MARK.C6 / MARK.C10	MARK.T22

\* The arm is determined according to the type of installation



**MARK.P160**

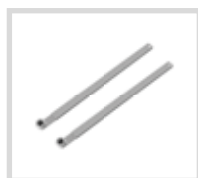
Plate L= 1600 mm.

**MARK.P49**

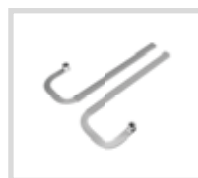
Plate L= 490 mm.

**MARK.D**

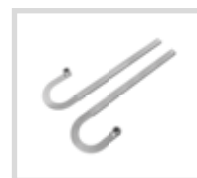
Pair of straight arms with 20x20 mm square bush. L= 0.5 m.

**MARK.DL**

Pair of straight arms with 20x20 mm square bush. L= 1 m.

**MARK.C6**

Pair of curved arms, thickness of 6 mm, with square bush 20x20 mm.

**MARK.C10**

Pair of curved arms, thickness of 10 mm, with square bush 20x20 mm.

**MARK.T180**

Pair of square tubes, 20x20x1800 mm, thickness of 2.5 mm, with brackets.

**MARK.T22**

Pair of square tubes, 20x20x220 mm, thickness of 2.5 mm.

**MARK.BR**

Pair of support brackets for 20x20 mm square tube. Package of 2 pcs.

**MARK.MS**

Flush release for one motor with single handle (not included).

**MARK.2MS**

Flush release for two motors with single handle (not included).

**ZED.E**

External release unlock device (to be used on lateral mounting).

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.L**

Flashing light with 24 Vdc power supply. Intermittent or fixed signal lighting can be selected.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**SMART**

Cover compatible with TO.GO transmitters for internal wall mounting.

TECHNICAL DATA	MARK	MARK.SC
Use	residential	residential
Power supply	100 ÷ 250 Vac (50/60 Hz)	---
Motor supply	24 Vdc	24 Vdc
Max absorbed current	3.5 ÷ 1.9 A	5.5 A
Torque	300 Nm	300 Nm
Opening time	14" ÷ 17"	14" ÷ 17"
Duty cycle	intensive use	intensive use
Protection level	IP20	IP20
Built-in control unit	YES	NO
Built-in receiver	YES	NO
Encoder	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max surface door 1 operator (2 operators)	8 m <sup>2</sup> (12 m <sup>2</sup> )	8 m <sup>2</sup> (12 m <sup>2</sup> )
Weight / Items no. per pallet	6.0 kg / 54	5.6 kg / 54

230<sub>VAC</sub>24<sub>VDC</sub>

# ZED ZED24

## COUNTERWEIGHT GARAGE DOORS COMMERCIAL USE

electronic control unit with incorporated receiver and encoder

up to 12.5 m<sup>2</sup> (16 m<sup>2</sup> with 2 operators)

## DESIGNED TO COMPLY WITH EUROPEAN SAFETY STANDARDS

Electromechanical irreversible geared motor for tilt up doors with counterweights for residential use. Available in the 230 Vac and 24 Vdc versions with or without control unit. Built-in courtesy light, limit switch and control buttons.

### 230 Vac

- Irreversible 230 Vac electromechanical geared motor also available in the ZED.LRIE version for large doors
- With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- The encoder device ensures crush prevention and precision in the door moving phases
- Quieter thanks to the new control unit with autotransformer created to reduce door vibrations to a minimum

### 24 Vdc | intensive use

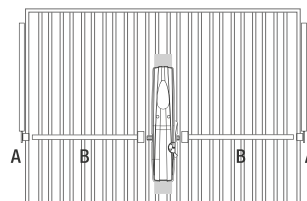
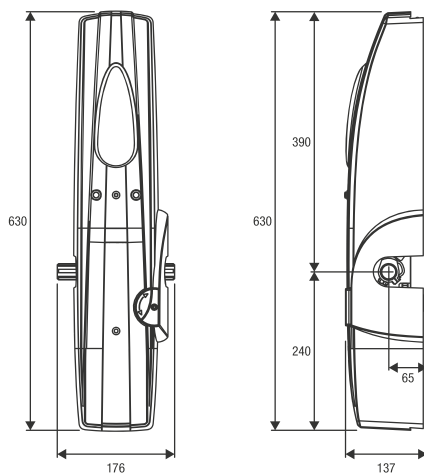
- Irreversible 24 Vdc electromechanical geared motor for intensive use
- With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- Optional battery powered operation
- Amperometric sensor obstacle detection system to prevent crushing



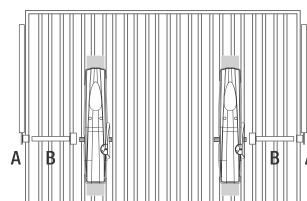
## CONTROL UNITS:

ZED.RIE	—	★ CP.ZED-AUTR	169
ZED.SC	—	★ LOGICA	147
ZED.LRIE	—	★ CP.ZED-AUTR	169
ZED.LSC	—	★ LOGICA	147
ZED24.RI	—	★ CP.ZED24	176
ZED24.SC	—	★ LOGICA24	156

★ With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



Central Assembly	A*	B
Without welding	AU2.DNS	AU.45Z / AU.45ZL
With welding	AU2.D / AU2.C	AU.45Z / AU.45ZL



Lateral Assembly	A*	B
Without welding	AU2.D45 / AU2D.45 L	---
	AU2.DNS	AU2.45T
With welding	AU2.D / AU2.C	AU2.45T / AU.45B

\* The arm is determined according to the type of installation

**AU.125**

1,250 mm mounting plate.

**AU.20**

1,950 mm mounting plate.

**AU.65**

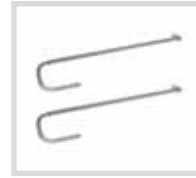
650 mm mounting plate.

**AU2.DNS**

Pair of straight arms with cylindrical bush Ø 30.5 mm to mount control unit without welding (L=600mm).

**AU2.D**

Pair of straight galvanised arms complete with accessories for fastening, without bush (L=600 mm).

**AU2.C**

Pair of curved galvanised arms complete with accessories for fastening, without bush.

**AU2.D45**

Pair of straight galvanised arms with grooved bush Ø 21.2 mm welded, complete with accessories for fastening (L=600 mm).

**AU2.D45L**

Pair of straight galvanised arms with grooved bush Ø 21.2 mm welded, complete with accessories for fastening (L=2000 mm).

**AU.45Z  
AU.45ZL**

Pair of galvanised pipes with grooved bush Ø 21.2 mm L. 1,500 mm (AU.45Z) and L. 2,000 mm (AU.45ZL) complete with accessories (central Assembly).

**AU2.45T**

Pair of galvanised pipes L. 150 with grooved bush Ø 21.2 mm welded, complete with accessories (lateral assembly).

**AU.45B**

Grooved bush Ø 21.2 mm with M6 fastener hole.

**AU.45BL**

Grooved bush Ø 21.2 mm with ø 30 mm cylindrical profile. Includes M8 fastener holes and ø 10 mm through holes. L = 80 mm.

**ZED.MS**

Wire manual unlock device.

**ZED.E**

External release unlock device (to be used on lateral mounting).

**ZED.SE**

Outdoor unlock device (for central mounting).

**MAG.E**

Magnetic sensor device to detect obstacles and manage deceleration.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.L**

Flashing light with 24 Vdc power supply. Intermittent or fixed signal lighting can be selected.

**SMART**

Cover compatible with TO.GO transmitters for internal wall mounting.

TECHNICAL DATA	ZED.RIE	ZED.SC	ZED.LRIE	ZED.LSC	ZED24.RI	ZED24.SC
Use	commercial	commercial	commercial	commercial	commercial	commercial
Power supply	230 Vac (50-60Hz)	---	230 Vac (50-60Hz)	---	230 Vac (50-60Hz)	---
Motor supply	230 Vac	230 Vac (50-60Hz)	230 Vac	230 Vac (50-60Hz)	24 Vdc	24 Vdc
Max absorbed current	1.5 A	1.5 A	1.4 A	1.4 A	1 A	8 A
Torque	350 Nm	350 Nm	330 Nm	330 Nm	260 Nm	260 Nm
Opening time	14"	14"	22"	22"	10" ÷ 15"	10" ÷ 15"
Duty cycle	30%	30%	30%	30%	intensive use	intensive use
Protection level	IP40	IP40	IP40	IP40	IP40	IP40
Built-in control unit	YES	NO	YES	NO	YES	NO
Built-in receiver	YES	NO	YES	NO	YES	NO
Encoder	YES	NO	YES	NO	NO	NO
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Max surface door 1 operator (2 operators)	11 m² (15 m²)	11 m² (15 m²)	12.5 m² (16 m²)	12.5 m² (16 m²)	10 m² (14 m²)	10 m² (14 m²)
Weight / Items no. per pallet	10.0 kg / 50	9.3 kg / 50	9.9 kg / 50	9.2 kg / 50	10.2 kg / 50	7.9 kg / 50



24VDC

JIM

**SECTIONAL GARAGE DOORS  
RESIDENTIAL USE**

control unit with built-in encoder and receiver  
built-in ESA+ system  
belt or chain driven



1 TO.GO2VA transmitter included

**up to 18 m<sup>2</sup>**

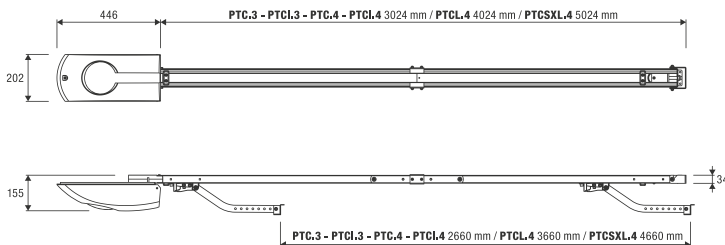
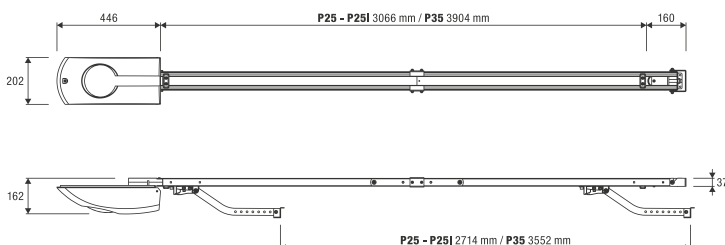
**24 Vdc | intensive use**

- 24 Vdc irreversible geared motor for intensive use with built-in control unit equipped with an extended range 230 Vac switching power supply that allows for a low consumption and a longer lifespan of the operator
- **Standby power consumption complies with European Regulation (EU) 2023/826**
- The encoder guarantees the highest safety and precision during the movement of the door
- STC System allows torque delivery to be managed in relation to the door position, ensuring maximum safety
- Maximum performance and speed (12 m/min)
- Opening speed can be set independently from the closing speed
- Equipped with a service light with 14 built-in LED lights that guarantee a high light output. It is possible to activate the service light through the transmitter in the bistable or timed mode, using it as a ceiling lamp
- Operation guaranteed even in the event of a power supply failure through batteries that can be perfectly integrated in the motor (2 x 1.2 Ah)
- Anti-crushing system with amperometric obstacle detection
- Quick hooking system for connecting the arm to the door plate
- Adjustable stroke with one mechanical stop included in the belt rails and two in the chain rails
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface




**Rail not included****CONTROL UNITS:**

**JM.3** ———— CP.J3-SW 177

**JM.4** ———— CP.J4-SW 177

**□ WITH BELT RAIL****□ WITH CHAIN RAIL**



	RAIL	TYPE	H DOOR	PACKAGE	JM.3	JM.4
	PTC.3 9B	8 mm belt	2.5 m	2 pcs of 1.5 m	✓	✗
	PTCI.3 9B	8 mm belt	2.5 m	1 pc of 3 m	✓	✗
	PTCL.3 9B	8 mm belt	3.5 m	2 pcs of 2 m	✓	✗
	PTCI.4 9B	10 mm belt	2.5 m	1 pc of 3 m	✓	✓
	PTC.3	8 mm belt	2.5 m	2 pcs of 1.5 m	✓	✗
	PTCI.3	8 mm belt	2.5 m	1 pc of 3 m	✓	✗
	PTC.4	10 mm belt	2.5 m	2 pcs of 1.5 m	✓	✓
	PTCL.4	10 mm belt	3.5 m	2 pcs of 2 m	✓	✓
	PTCI.4	10 mm belt	2.5 m	1 pc of 3 m	✓	✓
	PTCSXL.4	10 mm belt	4.5 m	5 pcs of 1 m	✓	✓
	P25	chain	2.5 m	2 pcs of 1.4 m	✓	✓
	P25I	chain	2.5 m	1 pc of 2.8 m	✓	✓
	P35	chain	3.5 m	2 pcs of 1.8 m	✓	✓

**PTC.STOP**

Mechanical stop for rail with belt (PTC.3/PTCI.3/PTC.4/PTCL.4/PTCI.4/PTCSXL.4).  
**Package of 5 pcs.**

**PTCR.STOP**

Mechanical stop for rail with belt (PTC.3 9B/PTCI.3 9B/PTCL.3 9B/PTCI.4 9B).  
**Package of 5 pcs.**

**PTC.AR**

Bracket for fast ceiling attachment of JM.3 belt models (PTC).  
**Package of 5 pcs.**

**AU.C25**

Swinging arm for tilt up doors. One mechanical stop for belt guide included.

**JK.UL**

Key unlocking device for sectional doors with belt rail and for counterweight garage doors.

**ZED.MS**

Wire unlocking device for sectional doors with belt rail and for counterweight garage doors.

**AU.MS25**

Wire unlocking device for sectional doors with chain rail.

**SW.CB**

Accessory equipped with battery charger CB.SW and connection cables.

**JR.BR**

Bracket for batteries installation.  
**Package of 5 pcs.**

**XLB.L**

Flashing light with 24 Vdc power supply. Intermittent or fixed signal lighting can be selected.

**SMART**

Cover compatible with TO.GO transmitters for internal wall mounting.

TECHNICAL DATA	JM.3	JM.4
Use	residential	residential
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	1 A	1.2 A
Thrust	600 N	950 N
Opening speed	6 ÷ 12 m/min	6 ÷ 12 m/min
Duty cycle	intensive use	intensive use
Protection level	IP40	IP40
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max door surface	11 m²/max	18 m²/max
Limit switch	electronic with encoder	electronic with encoder
Weight / Items no. per pallet	3.1 kg / 50	3.4 kg / 50



24VDC



# JIM SE

## SECTIONAL GARAGE DOORS RESIDENTIAL | COMMERCIAL USE

control unit with built-in encoder and receiver  
built-in ESA+ system  
belt or chain driven  
1 TO.GO2VA transmitter included

**up to 22 m<sup>2</sup>**



### CONTROL UNITS:

**JM.3SE** ———— CP.J4-SE 178  
**JM.4SE** ———— CP.J4-SE 178

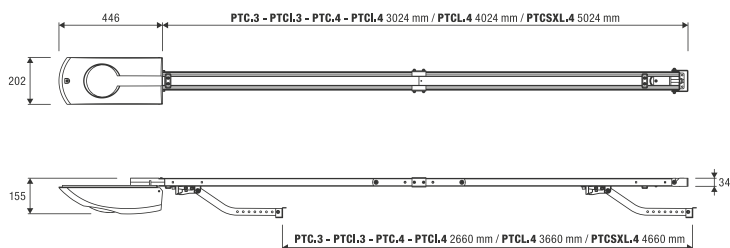


## 24 Vdc | intensive use

- 24 Vdc gear motor for intensive use with built-in control unit and encoder
- **Standby power consumption complies with European Regulation (EU) 2023/826**
- Adjustable stroke with one mechanical stop included in the belt tracks and two in the chain tracks
- Anti-crushing system with amperometric detection
- Advanced electronics with display and LED courtesy light
- The encoder device guarantees maximum safety and precision during door movement
- STC System allows torque delivery to be managed in relation to the door position, ensuring maximum safety
- Quick hooking system for connecting the arm to the door plate

### Rail not included

#### □ WITH BELT RAIL



#### □ WITH CHAIN RAIL







	RAIL	TYPE	H DOOR	PACKAGE	JM.3SE	JM.4SE
	PTC.3 9B	8 mm belt	2.5 m	2 pcs of 1.5 m	✓	✗
	PTCI.3 9B	8 mm belt	2.5 m	1 pc of 3 m	✓	✗
	PTCL.3 9B	8 mm belt	3.5 m	2 pcs of 2 m	✓	✗
	PTCI.4 9B	10 mm belt	2.5 m	1 pc of 3 m	✓	✗
	PTC.3	8 mm belt	2.5 m	2 pcs of 1.5 m	✓	✗
	PTCI.3	8 mm belt	2.5 m	1 pc of 3 m	✓	✗
	PTC.4	10 mm belt	2.5 m	2 pcs of 1.5 m	✓	✓
	PTCL.4	10 mm belt	3.5 m	2 pcs of 2 m	✓	✓
	PTCI.4	10 mm belt	2.5 m	1 pc of 3 m	✓	✓
	PTCSXL.4	10 mm belt	4.5 m	5 pcs of 1 m	✓	✓
	P25	chain	2.5 m	2 pcs of 1.4 m	✓	✓
	P25I	chain	2.5 m	1 pc of 2.8 m	✓	✓
	P35	chain	3.5 m	2 pcs of 1.8 m	✓	✓

**PTC.STOP**

Mechanical stop for rail with belt (PTC.3/PTCI.3/PTC.4/PTCL.4/PTCI.4/PTCSXL.4).  
**Package of 5 pcs.**

**PTCR.STOP**

Mechanical stop for rail with belt (PTC.3 9B/PTCI.3 9B/PTCL.3 9B/PTCI.4 9B).  
**Package of 5 pcs.**

**PTC.AR**

Bracket for fast ceiling attachment of JM.3 belt models (PTC).  
**Package of 5 pcs.**

**AU.C25**

Swinging arm for tilt up doors. One mechanical stop for belt guide included.

**JK.UL**

Key unlocking device for sectional doors with belt rail and for counterweight garage doors.

**ZED.MS**

Wire unlocking device for sectional doors with belt rail and for counterweight garage doors.

**AU.MS25**

Wire unlocking device for sectional doors with chain rail.

**XLB.L**

Flashing light with 24 Vdc power supply. Intermittent or fixed signal lighting can be selected.

**SMART**

Cover compatible with TO.GO transmitters for internal wall mounting.

TECHNICAL DATA	JM.3SE	JM.4SE
<b>Use</b>	<b>residential</b>	<b>commercial</b>
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	0.7 A	1.5 A
Thrust	600 N	1200 N
Opening speed	4.5 ÷ 8.9 m/min	4.5 ÷ 8.9 m/min
Duty cycle	intensive use	intensive use
Protection level	IP40	IP40
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max door surface	11 m²/max	22 m²/max
Limit switch	electronic with encoder	electronic with encoder
Weight / Items no. per pallet	5.0 kg / 50	6.8 kg / 50



24VDC

# JM.4ESA



## SECTIONAL GARAGE DOORS COMMERCIAL USE



control unit with built-in encoder and receiver  
belt or chain driven  
1 TO.GO2VA transmitter included

**up to 22 m<sup>2</sup>**

### CONTROL UNITS:

JM.4ESA — ★ CP.J4ESA 179

★ With SE.MODULE module, standby power consumption  
complies with European Regulation (EU) 2023/826

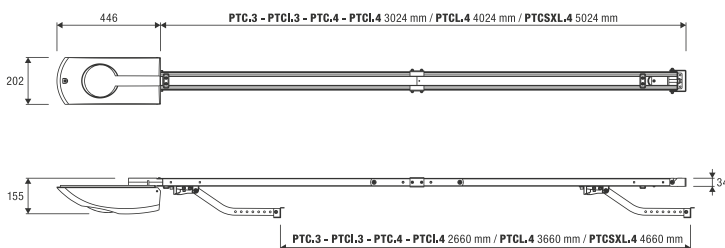


## 24 Vdc | intensive use

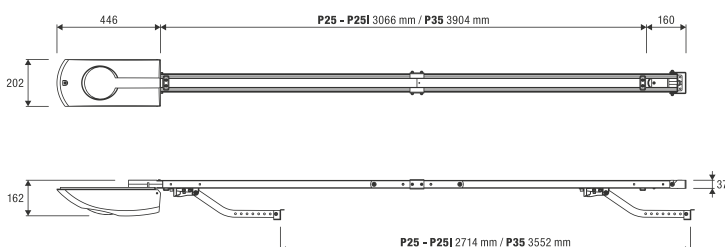
- 24 Vdc gear motor for intensive use, with integrated control unit and encoder
- **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- Adjustable stroke with one mechanical stop included in the belt rails and two in the chain rails
- Anti-crushing system with amperometric detection
- Operation guaranteed even in the event of a power failure thanks to batteries that can be perfectly integrated into the motor (the use of SE.MODULE precludes battery operation)
- Evolved electronics with display and energy saving courtesy light
- The encoder guarantees maximum safety and precision while the gate is moving
- STC System allows torque delivery to be managed in relation to the door position, ensuring maximum safety
- Quick hooking system for connecting the arm to the door plate

### Rail not included

#### □ WITH BELT RAIL



#### □ WITH CHAIN RAIL





	RAIL	TYPE	H DOOR	PACKAGE	JM.4ESA
	PTC.3 9B	8 mm belt	2.5 m	2 pcs of 1.5 m	✗
	PTCI.3 9B	8 mm belt	2.5 m	1 pc of 3 m	✗
	PTCL.3 9B	8 mm belt	3.5 m	2 pcs of 2 m	✗
	PTCI.4 9B	10 mm belt	2.5 m	1 pc of 3 m	✗
	PTC.3	8 mm belt	2.5 m	2 pcs of 1.5 m	✗
	PTCI.3	8 mm belt	2.5 m	1 pc of 3 m	✗
	PTC.4	10 mm belt	2.5 m	2 pcs of 1.5 m	✓
	PTCL.4	10 mm belt	3.5 m	2 pcs of 2 m	✓
	PTCI.4	10 mm belt	2.5 m	1 pc of 3 m	✓
	PTCSXL.4	10 mm belt	4.5 m	5 pcs of 1 m	✓
	P25	chain	2.5 m	2 pcs of 1.4 m	✓
	P25I	chain	2.5 m	1 pc of 2.8 m	✓
	P35	chain	3.5 m	2 pcs of 1.8 m	✓

**PTC.STOP**

Mechanical stop for rail with belt (PTC.3/PTCI.3/PTC.4/PTCL.4/PTCI.4/PTCSXL.4).  
**Package of 5 pcs.**

**PTCR.STOP**

Mechanical stop for rail with belt (PTC.3 9B/PTCI.3 9B/PTCL.3 9B/PTCI.4 9B).  
**Package of 5 pcs.**

**PTC.AR**

Bracket for fast ceiling attachment of JM.3 belt models (PTC).  
**Package of 5 pcs.**

**AU.C25**

Swinging arm for tilt up doors. One mechanical stop for belt guide included.

**JK.UL**

Key unlocking device for sectional doors with belt rail and for counterweight garage doors.

**ZED.MS**

Wire unlocking device for sectional doors with belt rail and for counterweight garage doors.

**AU.MS25**

Wire unlocking device for sectional doors with chain rail.

**JM.CBY**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

**XLB.L**

Flashing light with 24 Vdc power supply. Intermittent or fixed signal lighting can be selected.

**SMART**

Cover compatible with TO.GO transmitters for internal wall mounting.

TECHNICAL DATA	JM.4ESA*
Use	commercial
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	1.5 A
Thrust	1200 N
Opening speed	4.5 ÷ 8.9 m/min
Duty cycle	intensive use
Protection level	IP40
Operating temperature	-20°C /+50°C
Max door surface	22 m²/max
Limit switch	electronic with encoder
Weight / Items no. per pallet	6.6 kg / 50

\* Available in 115 Vac version



24VDC



turbo

# JIM TURBO



ENCODER

## SECTIONAL GARAGE DOORS COMMERCIAL USE

STC  
SYSTEM

control unit with built-in encoder and receiver  
belt driven  
1 TO.GO2VA transmitter included



64

**up to 11 m<sup>2</sup>**



## CONTROL UNITS:

**JM.3ESA TURBO** — ★ CP.JT

180

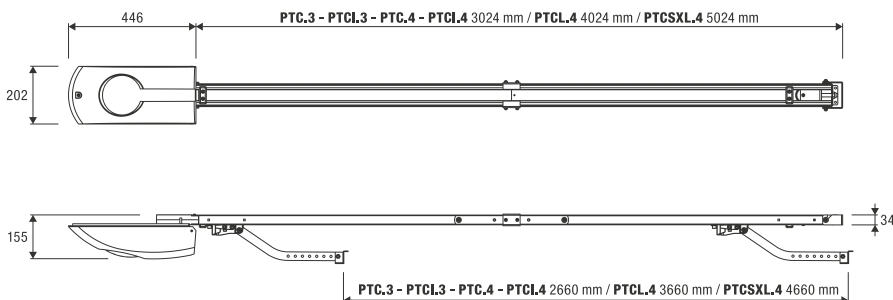
★ With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826






## 24 Vdc | intensive use

- Fast 24 Vdc gear motor for intensive use with integrated control unit and encoder
- **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- The encoder guarantees maximum safety and precision while the gate is moving
- STC System allows torque delivery to be managed in relation to the door position, ensuring maximum safety
- **Maximum performance and speed (15.5 m/min)**
- Opening speed can be set independently from the closing speed
- Integrated energy saving LED courtesy light
- Operation guaranteed even in the event of a power failure thanks to batteries that can be perfectly integrated into the motor (the use of SE.MODULE precludes battery operation)
- Anti-crushing system with amperometric obstacle detection
- Stroke is adjustable with 2 mechanical stops provided
- Quick hooking system for connecting the arm to the door plate

**Rail not included**





	RAIL	TYPE	H DOOR	PACKAGE	JM.3ESA TURBO
	PTC.3 9B	8 mm belt	2.5 m	2 pcs of 1.5 m	✗
	PTCI.3 9B	8 mm belt	2.5 m	1 pc of 3 m	✗
	PTCL.3 9B	8 mm belt	3.5 m	2 pcs of 2 m	✗
	PTCI.4 9B	10 mm belt	2.5 m	1 pc of 3 m	✗
	PTC.3	8 mm belt	2.5 m	2 pcs of 1.5 m	✓
	PTCI.3	8 mm belt	2.5 m	1 pc of 3 m	✓
	PTC.4	10 mm belt	2.5 m	2 pcs of 1.5 m	✓
	PTCL.4	10 mm belt	3.5 m	2 pcs of 2 m	✓
	PTCI.4	10 mm belt	2.5 m	1 pc of 3 m	✓
	PTCSXL.4	10 mm belt	4.5 m	5 pcs of 1 m	✓
	P25	chain	2.5 m	2 pcs of 1.4 m	✗
	P25I	chain	2.5 m	1 pc of 2.8 m	✗
	P35	chain	3.5 m	2 pcs of 1.8 m	✗

**PTC.STOP**

Mechanical stop for rail with belt (PTC.3/PTCI.3/PTC.4/PTCL.4/PTCI.4/PTCSXL.4).  
**Package of 5 pcs.**

**PTCR.STOP**

Mechanical stop for rail with belt (PTC.3 9B/PTCI.3 9B/PTCL.3 9B/PTCI.4 9B).  
**Package of 5 pcs.**

**PTC.AR**

Bracket for fast ceiling attachment of JM.3 belt models (PTC).  
**Package of 5 pcs.**

**AU.C25**

Swinging arm for tilt up doors. One mechanical stop for belt guide included.

**JK.UL**

Key unlocking device for sectional doors with belt rail and for counterweight garage doors.

**ZED.MS**

Wire unlocking device for sectional doors with belt rail and for counterweight garage doors.

**JM.CBY**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

**XLB.L**

Flashing light with 24 Vdc power supply. Intermittent or fixed signal lighting can be selected.

**SMART**

Cover compatible with TO.GO transmitters for internal wall mounting.

TECHNICAL DATA	JM.3ESA TURBO
<b>Use</b>	<b>commercial</b>
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	0.7 A
Thrust	600 N
Opening speed	8.9 ÷ 15.5 m/min
Duty cycle	intensive use
Protection level	IP40
Operating temperature	-20°C /+50°C
Max door surface	11 m <sup>2</sup> /max
Limit switch	electronic with encoder
Weight / Items no. per pallet	5.8 kg / 50



# JACK24

## SECTIONAL GARAGE DOORS COMMERCIAL | INDUSTRIAL USE

control unit with integrated receiver and absolute encoder  
built-in ESA+ system  
quick release  
built-in battery charger

up to 35 m<sup>2</sup>

### 24 Vdc | intensive use

- 24 Vdc side-mounting gear motor with built-in control unit equipped with an extended range switching power supply from 100 to 250 Vac that reduces consumption and ensures the long life of the operator
- **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- Integrated absolute encoder, which ensures greater precision in slowdowns and advanced control of the door movement so that it never loses the reference position of the door even if there is a power cut or when the automation has been unlocked
- STC System allows torque management in relation to the position of the door, ensuring maximum safety
- Equipped with a service light with 14 integrated LEDs that guarantee a high light output
- Two versions, up to 20 m<sup>2</sup> (JACK24.50) and up to 35 m<sup>2</sup> (JACK24.80)
- Compact size (11 cm width) that allows a quick and easy mounting even in limited spaces
- Operation guaranteed even in the event of a power failure thanks to batteries that can be perfectly integrated into the motor (the use of SE.MODULE precludes battery operation)
- Anti-crushing system with amperometric obstacle detection
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface



### CONTROL UNITS:

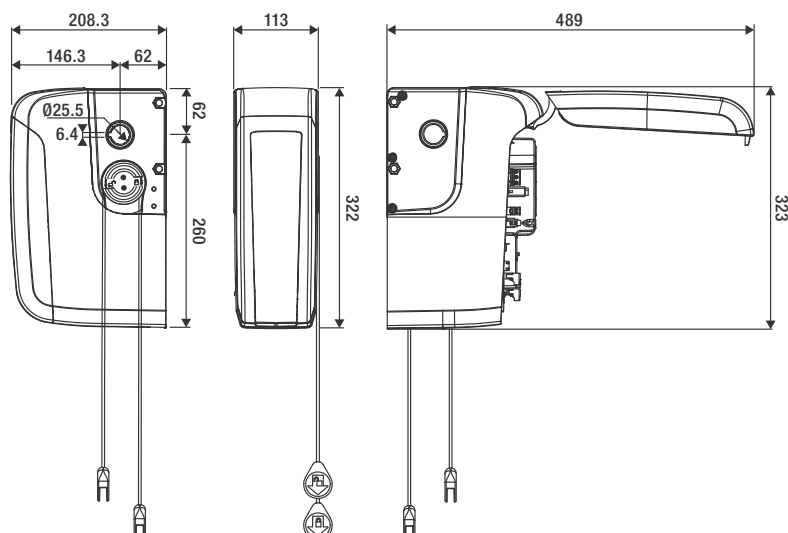
**JACK24.50** ——— ★ CP.JACK 181

**JACK24.80** ——— ★ CP.JACK 181

★ With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



**Fixing plate included**



**VN.A30**

Shaft adapter  
Ø 30 mm.

**VN.A3175**

Shaft adapter  
Ø 31.75 mm.

**VN.A40**

Shaft adapter  
Ø 40 mm.

**VN.RV**

Transmission set  
1:1.8 for 1" shaft  
(25.4 mm) composed  
of two gears with  
external diameter  
78 mm and 138.4 mm  
and chain L = 1 m.

**VN.RM**

Transmission set 1:1  
for 1" shaft (25.4 mm)  
composed of two gears  
with external diameter  
78 mm and chain L = 1 m.

**IPB.NO**

Industrial keypad  
fitted with 2 contacts  
that are normally open.

**IPB.NC**

Industrial keypad  
fitted with a contact  
that is normally open  
and a contact  
normally closed.

**J.LOCK**

24 Vdc electric lock  
with knob for  
manual release.

**LSR.D50**

Laser control and safety  
sensor for industrial  
doors, certified  
EN12453 type E.  
Adjustable Detection  
area up to 5.5x5.5 m.

**LSR.D99**

Laser control and safety  
sensor for industrial  
doors, certified  
EN12453 type E.  
Adjustable Detection  
area up to 9.9x9.9 m.

**RF.SUN**

Battery-operated device  
recharged by means  
of a photovoltaic panel  
applied on a mobile edge.

**RF**

Device with a non  
rechargeable battery,  
with guaranteed  
duration 2 years.

**SC.RF**

Device powered at  
12/24 Vdc with self-test  
function and 2 outputs  
for connection to the  
electronic control units.

**JACK.BAT**

1.2 Ah battery kit with  
bracket and cable.

**JACK24.CB**

Kit composed of  
cables and brackets  
for batteries installation.  
**Pack of 5 pieces.**

**SMART**

Cover compatible with  
TO.GO transmitters for  
internal wall mounting.

TECHNICAL DATA	JACK24.50	JACK24.80
Use	commercial	commercial
Power supply	100 ÷ 250 Vac (50-60Hz)	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	3.3 ÷ 1.8 A	3.3 ÷ 1.8 A
Max torque	50 Nm	80 Nm
Maximum output rotations	20	20
Output speed	34 r.p.m.	22 r.p.m.
Shaft hole	1" (25.4 mm)	1" (25.4 mm)
Duty cycle	intensive use	intensive use
Protection level	IP40	IP40
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max door surface	20 m²/max	35 m²/max
Weight / Items no. per pallet	7.6 kg / 50	7.7 kg / 50



230<sub>VAC</sub>400<sub>VAC</sub>

# VN.S/M

# VN.ST/MT

## SECTIONAL DOORS AND ROLLING DOORS INDUSTRIAL USE

up to 40 m<sup>2</sup>



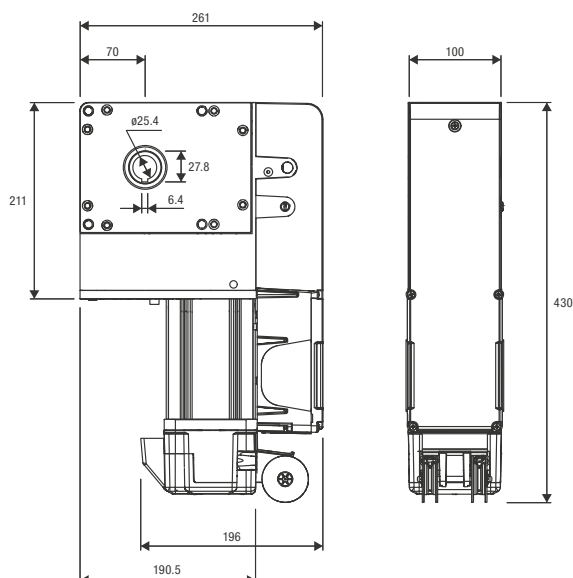
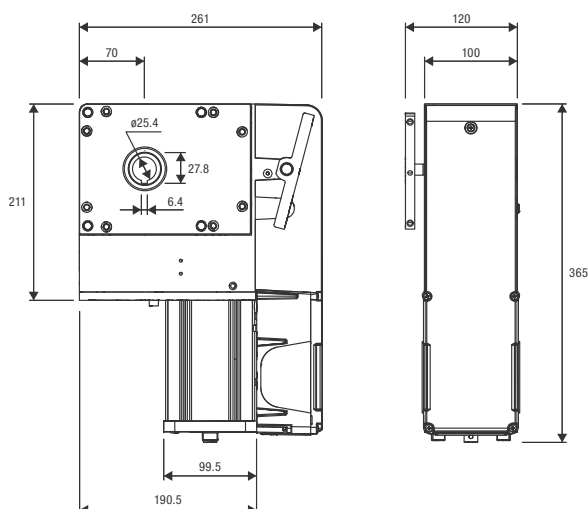
### CONTROL UNITS:

VN.S20	★ THINKY	149
VN.M20	★ START	150
	★ CELL.P	148
VN.S40	★ THINKY	149
VN.M40	★ START	150
	★ CELL.P	148
VN.ST20	THINKY	149
VN.MT20	START	150
VN.MT40		

★ With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826

## 230 Vac | 400 Vac

- Irreversible electromechanical gear motor with quick release or manual chain operated movement available in the single and three-phase versions with 1/20 and 1/40 reduction rates
- In 230 Vac models, with SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Plastic box that makes wiring the motor easier, thanks to the position of the front clip connector and the possibility of reaching three different positions with the wiring
- Two accessories are available for chain drives with reduction rates 1:1 (off-axis motor installation) or 1:1.8 (torque or speed multipliers)
- Easy and precise adjustment of limit switch position
- Maximum safety guaranteed during rapid release phases, thanks to a micro-switch that cuts the power supply to the motor
- Oil lubricated reductions with hardened steel screw and bronze gears guarantee high performance, maximum reliability and silent operation
- 4 micrometrically adjustable limit switches





**VN.A30**  
Shaft adapter  
Ø 30 mm.



**VN.A3175**  
Shaft adapter  
Ø 31.75 mm.



**VN.A40**  
Shaft adapter  
Ø 40 mm.



**VN.RV**  
Transmission set  
1:1.8 for 1" shaft  
(25.4 mm) composed  
of two gears with  
external diameter  
78 mm and 138.4 mm  
and chain L = 1 m.



**VN.RM**  
Transmission set 1:1  
for 1" shaft (25.4 mm)  
composed of two gears  
with external diameter  
78 mm and chain L = 1 m.



**VN.CTA**  
Chain extension.



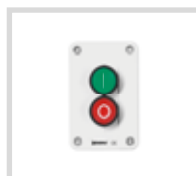
**VN.M4**  
M4 pinion for use  
with rack in horizontal  
sliding door configuration.



**RI.M4ZF**  
Galvanised slotted M4  
rack 22x22x2010 mm  
for fastening to the  
side with the teeth.  
Supplied with  
M6 screws.  
**Package of 1 pc.**



**IPB.NO**  
Industrial keypad  
fitted with 2 contacts  
that are normally open.



**IPB.NC**  
Industrial keypad  
fitted with a contact  
that is normally open  
and a contact  
normally closed.



**LSR.D50**  
Laser control and safety  
sensor for industrial  
doors, certified  
EN12453 type E.  
Adjustable Detection  
area up to 5.5x5.5 m.



**LSR.D99**  
Laser control and safety  
sensor for industrial  
doors, certified  
EN12453 type E.  
Adjustable Detection  
area up to 9.9x9.9 m.



**RF.SUN**  
Battery-operated device  
recharged by means  
of a photovoltaic panel  
applied on a mobile edge.



**RF**  
Device with a non  
rechargeable battery,  
with guaranteed  
duration 2 years.



**SC.RF**  
Device powered at  
12/24 Vdc with self-test  
function and 2 outputs  
for connection to the  
electronic control units.

Wire unlock device	VN.S20	VN.S40	VN.ST20	---
Manual override	VN.M20	VN.M40	VN.MT20	VN.MT40
Use	industrial	industrial	industrial	industrial
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)
Max absorbed current	3.3 A	3.3 A	1.7 A	1.7 A
Max torque	130 Nm	130 Nm	180 Nm	180 Nm
Maximum output rotations	18	38	18	38
Output speed	24 r.p.m.	24 r.p.m.	24 r.p.m.	24 r.p.m.
Shaft hole	1" (25.4 mm)	1" (25.4 mm)	1" (25.4 mm)	1" (25.4 mm)
Limit switch reduction ratio	1/20	1/40	1/20	1/40
Duty cycle	30%	30%	50%	50%
Protection level	IP40	IP40	IP40	IP40
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Lubrication	OIL	OIL	OIL	OIL
Max door surface	35 m²/max	35 m²/max	40 m²/max	40 m²/max
Weight / Items no. per pallet	15.1 kg / 32 (VN.S20) 15.3 kg / 24 (VN.M20)	15.2 kg / 32 (VN.S40) 15.3 kg / 24 (VN.M40)	14.8 kg / 32 (VN.ST20) 15.1 kg / 24 (VN.MT20)	15.0 kg / 24

230<sub>VAC</sub>

# VN.S UP

# VN.M UP

## SECTIONAL DOORS AND ROLLING DOORS INDUSTRIAL USE

built-in control unit

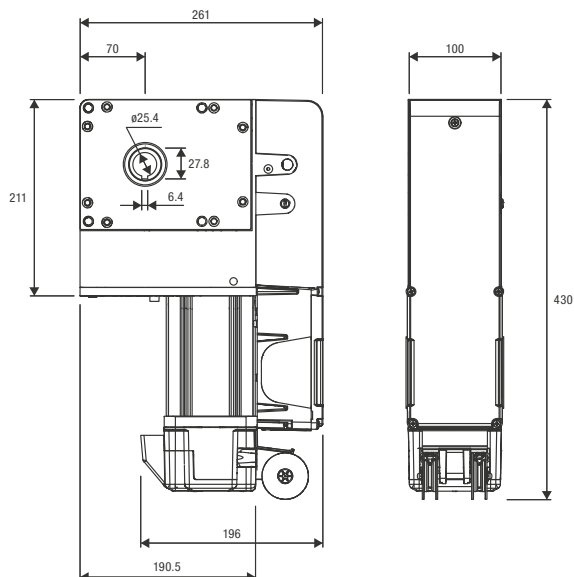
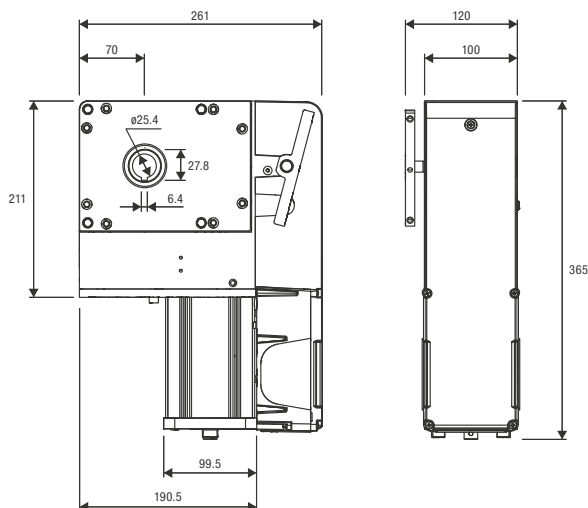
up to 35 m<sup>2</sup>

### CONTROL UNITS:

VN.S20 UP	UP.VN	170
VN.S40 UP	UP.VN	170
VN.M20 UP	UP.VN	170
VN.M40 UP	UP.VN	170

### 230 Vac

- Irreversible single phase electromechanical geared motor with quick release or manual chain movement available with 1/20 or 1/40 reduction rates
- Plastic box that makes wiring the motor easier, thanks to the position of the front clip connector and the possibility of reaching three different positions with the wiring
- Fitted with integrated deadman's control unit (UP.VN), fitted with very low voltage 12 Vdc safety controls. Ideal for simple installations
- Two accessories are available for chain drives with reduction rates 1:1 (off-axis motor installation) or 1:1.8 (torque or speed multipliers)
- Maximum safety guaranteed during rapid release phases, thanks to a micro-switch that cuts the power supply to the motor
- Oil lubricated reductions with hardened steel screw and bronze gears guarantee high performance, maximum reliability and silent operation
- 4 micrometrically adjustable limit switches





**VN.A30**  
Shaft adapter  
Ø 30 mm.



**VN.A3175**  
Shaft adapter  
Ø 31.75 mm.



**VN.A40**  
Shaft adapter  
Ø 40 mm.



**VN.RV**  
Transmission set  
1:1.8 for 1" shaft  
(25.4 mm) composed  
of two gears with  
external diameter  
78 mm and 138.4 mm  
and chain L = 1 m.



**VN.RM**  
Transmission set 1:1  
for 1" shaft (25.4 mm)  
composed of two gears  
with external diameter  
78 mm and chain L = 1 m.



**VN.CTA**  
Chain extension.



**VN.M4**  
M4 pinion for use  
with rack in horizontal  
sliding door configuration.



**RI.M4ZF**  
Galvanised slotted M4  
rack 22x22x2010 mm  
for fastening to the  
side with the teeth.  
Supplied with  
M6 screws.  
**Package of 1 pc.**



**IPB.NO**  
Industrial keypad  
fitted with 2 contacts  
that are normally open.

TECHNICAL DATA	VN.S20 UP	VN.S40 UP	VN.M20 UP	VN.M40 UP
Use	industrial	industrial	industrial	industrial
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Max absorbed current	3.3 A	3.3 A	3.3 A	3.3 A
Max torque	130 Nm	130 Nm	130 Nm	130 Nm
Maximum output rotations	18	38	18	38
Output speed	24 r.p.m.	24 r.p.m.	24 r.p.m.	24 r.p.m.
Shaft hole	1" (25.4 mm)	1" (25.4 mm)	1" (25.4 mm)	1" (25.4 mm)
Limit switch reduction ratio	1/20	1/40	1/20	1/40
Duty cycle	30%	30%	30%	30%
Protection level	IP40	IP40	IP40	IP40
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Lubrication	OIL	OIL	OIL	OIL
Max door surface	35 m²/max	35 m²/max	35 m²/max	35 m²/max
Weight / Items no. per pallet	15.4 kg / 32	15.4 kg / 32	15.6 kg / 24	15.6 kg / 24



# VN.S/M ESW

# VN.ST/MT ESW

## SECTIONAL DOORS AND ROLLING DOORS INDUSTRIAL USE

quick plug-in connection  
equipped with absolute encoder

up to 40 m<sup>2</sup>

## 230 Vac | 400 Vac

- Irreversible electromechanical gear motor with quick release or manual override, available in the single phase 230 Vac and three-phase 400 Vac versions with 1/20 reduction rates
- In 230 Vac models, with SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826
- Plastic box that makes wiring the motor easier, thanks to the position of the front clip connector and the possibility of reaching three different positions with the wiring
- Equipped with absolute encoder that permits the regulation of the positions of the opening and closing limit switches on the door directly from the control unit
- Quick plug-in connection for quick and easy installation
- Two accessories are available for chain drives with gear speed reduction rates 1:1 (off-axis motor installation) or 1:1.8 (torque or speed multipliers)
- Maximum safety guaranteed during rapid release phases, thanks to a micro-switch that cuts the power supply to the motor
- Oil lubricated reductions with hardened steel screw and bronze gears guarantee high performance, maximum reliability and silent operation
- The single phase model (VN.M20ESW) is also available in kit version with motor, 5 m cable and THINKY control unit



## CONTROL UNITS:

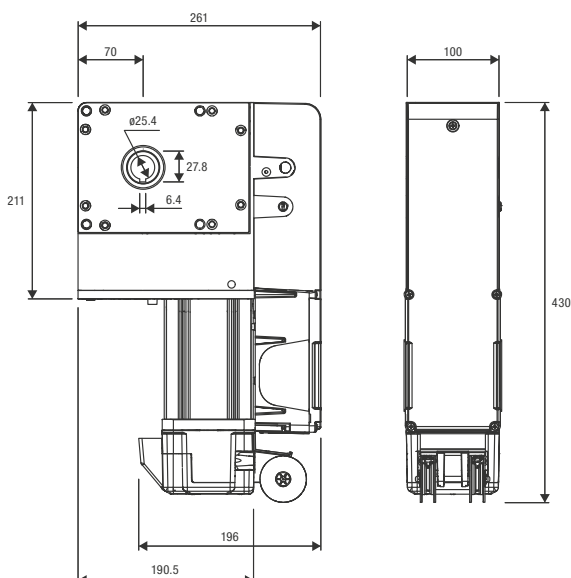
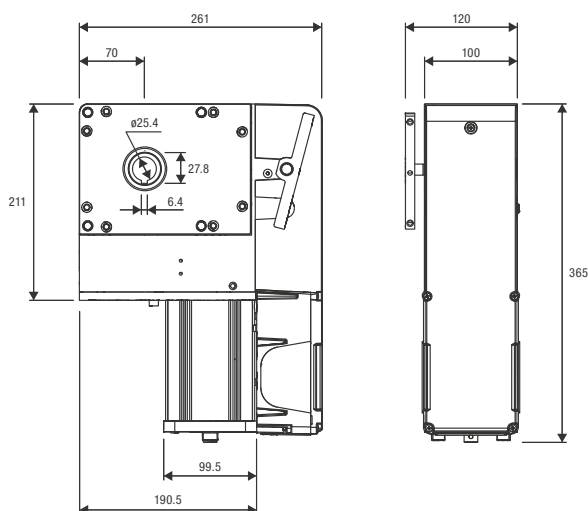
VN.S20 ESW	—	★ THINKY	149
VN.ST20 ESW	—	THINKY	149
VN.M20 ESW	—	★ THINKY	149
VN.MT20 ESW	—	THINKY	149

★ With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826



## COMPLETE KIT

			
	MOTOR	CONTROL U.	CABLE
KVN.M20ESW	1x VN.M20ESW	1x THINKY	1x CABLE VN.ESW 5



**VN.A30**

Shaft adapter  
Ø 30 mm.

**VN.A3175**

Shaft adapter  
Ø 31.75 mm.

**VN.A40**

Shaft adapter  
Ø 40 mm.

**VN.RV**

Transmission set  
1:1.8 for 1" shaft  
(25.4 mm) composed  
of two gears with  
external diameter  
78 mm and 138.4 mm  
and chain L = 1 m.

**VN.RM**

Transmission set 1:1  
for 1" shaft (25.4 mm)  
composed of two gears  
with external diameter  
78 mm and chain L = 1 m.

**VN.CTA**

Chain extension.

**VN.M4**

M4 pinion for use  
with rack in horizontal  
sliding door configuration.

**RI.M4ZF**

Galvanised slotted M4  
rack 22x22x2010 mm  
for fastening to the  
side with the teeth.  
Supplied with  
M6 screws.  
**Package of 1 pc.**

**CABLE VN.ESW 5**

Cable with quick plug-in  
connection. L = 5 m.

**CABLE VN.ESW 8**

Cable with quick plug-in  
connection. L = 8 m.

**CABLE VN.ESW 11**

Cable with quick plug-in  
connection. L = 11 m.

**IPB.NO**

Industrial keypad  
fitted with 2 contacts  
that are normally open.

**IPB.NC**

Industrial keypad  
fitted with a contact  
that is normally open  
and a contact  
normally closed.

**LSR.D50**

Laser control and safety  
sensor for industrial  
doors, certified  
EN12453 type E.  
Adjustable Detection  
area up to 5.5x5.5 m.

**LSR.D99**

Laser control and safety  
sensor for industrial  
doors, certified  
EN12453 type E.  
Adjustable Detection  
area up to 9.9x9.9 m.

**RF.SUN**

Battery-operated device  
recharged by means  
of a photovoltaic panel  
applied on a mobile edge.

**RF**

Device with a non  
rechargeable battery,  
with guaranteed  
duration 2 years.

**SC.RF**

Device powered at  
12/24 Vdc with self-test  
function and 2 outputs  
for connection to the  
electronic control units.

TECHNICAL DATA	VN.S20 ESW	VN.ST20 ESW	VN.M20 ESW	VN.MT20 ESW
Use	industrial	industrial	industrial	industrial
Motor supply	230 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)	230 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)
Max absorbed current	3.3 A	1.7 A	3.3 A	1.7 A
Max torque	130 Nm	180 Nm	130 Nm	180 Nm
Maximum output rotations	18	18	18	18
Output speed	24 r.p.m.	24 r.p.m.	24 r.p.m.	24 r.p.m.
Shaft hole	1" (25.4 mm)	1" (25.4 mm)	1" (25.4 mm)	1" (25.4 mm)
Limit switch reduction ratio	1/20	1/20	1/20	1/20
Duty cycle	30%	50%	30%	50%
Protection level	IP40	IP40	IP40	IP40
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Lubrication	OIL	OIL	OIL	OIL
Max door surface	35 m²/max	40 m²/max	35 m²/max	40 m²/max
Weight / Items no. per pallet	15.2 kg / 32	15.2 kg / 32	15.5 kg / 24	15.5 kg / 24

400<sub>VAC</sub>

# VN.MT40V



## LARGE SECTIONAL DOORS, ROLLING DOORS AND UNBALANCED SHUTTERS INDUSTRIAL USE

manual chain override



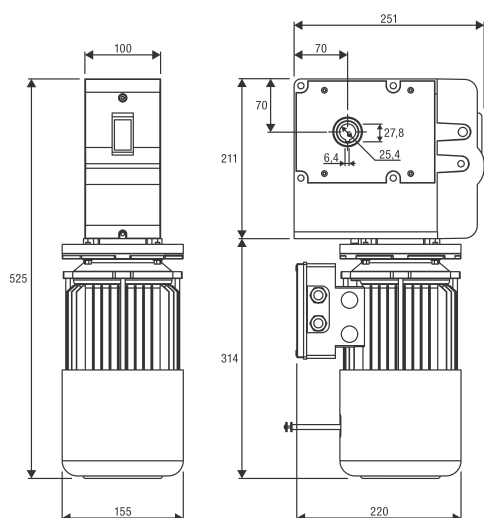
### CONTROL UNITS:

VN.MT40V

THINKY  
START149  
150

## 400 Vac

- Irreversible electromechanical geared motor with manual chain movement and emergency release
- Ventilated electric motor ideal for intensive use and equipped with electric brake
- Two accessories are available for chain drives with reduction rates 1:1 (offset installation of motor) or 1:1.8 (torque or speed multiplier)
- Maximum safety guaranteed during rapid release phases, thanks to a micro-switch that cuts the power supply to the motor
- Oil lubricated reductions with hardened steel screw and bronze gears guarantee high performance, maximum reliability and silent operation
- 4 micrometrically adjustable limit switches







**VN.A30**  
Shaft adapter  
Ø 30 mm.



**VN.A3175**  
Shaft adapter  
Ø 31.75 mm.



**VN.A40**  
Shaft adapter  
Ø 40 mm.



**VN.RV**  
Transmission set  
1:1.8 for 1" shaft  
(25.4 mm) composed  
of two gears with  
external diameter  
78 mm and 138.4 mm  
and chain L = 1 m.



**VN.RM**  
Transmission set 1:1  
for 1" shaft (25.4 mm)  
composed of two gears  
with external diameter  
78 mm and chain L = 1 m.



**VN.CTA**  
Chain extension.



**IPB.NO**  
Industrial keypad  
fitted with 2 contacts  
that are normally open.



**IPB.NC**  
Industrial keypad  
fitted with a contact  
that is normally open  
and a contact  
normally closed.



**LSR.D50**  
Laser control and safety  
sensor for industrial  
doors, certified  
EN12453 type E.  
Adjustable Detection  
area up to 5.5x5.5 m.



**LSR.D99**  
Laser control and safety  
sensor for industrial  
doors, certified  
EN12453 type E.  
Adjustable Detection  
area up to 9.9x9.9 m.



**RF.SUN**  
Battery-operated device  
recharged by means  
of a photovoltaic panel  
applied on a mobile edge.



**RF**  
Device with a non  
rechargeable battery,  
with guaranteed  
duration 2 years.



**SC.RF**  
Device powered at  
12/24 Vdc with self-test  
function and 2 outputs  
for connection to the  
electronic control units.

TECHNICAL DATA	VN.MT40V
Use	industrial
Motor supply	≈ 400 Vac (50-60Hz)
Max absorbed current	2.2 A
Max torque	340 Nm
Maximum output rotations	38
Output speed	24 r.p.m.
Shaft hole	1" (25.4 mm)
Limit switch reduction ratio	1/40
Duty cycle	intensive use
Protection level	IP40
Operating temperature	-20°C / +50°C
Lubrication	OIL
Weight / Items no. per pallet	22.9 kg / 16

230<sub>VAC</sub>

# VN.S40V

## INDUSTRIAL SLIDING DOORS AND FOLDING DOORS WITH MORE THAN 2 SECTIONS INDUSTRIAL USE

incorporated wire unlock device and handle



### CONTROL UNITS:

VN.S40V

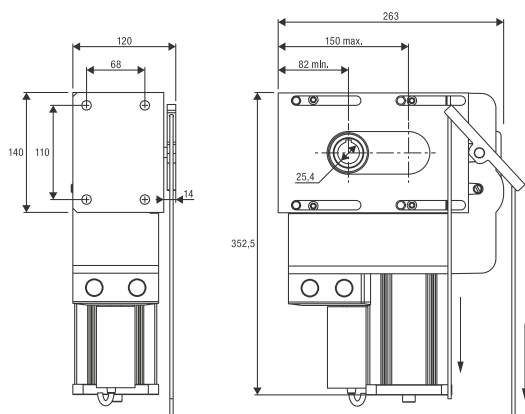
THINKY  
START  
CELL.P

149  
150  
148



### 230 Vac

- Irreversible electromechanical geared motor
- Maximum safety guaranteed during rapid release phases, thanks to a micro-switch that cuts the power supply to the motor
- Oil lubricated reductions with hardened steel screw and bronze gears guarantee high performance, maximum reliability and silent operation
- 4 micrometrically adjustable limit switches



**VN.CT**

1/2" chain. Packing 5m.

**VN.GT**

Joint for chain VN.CT.

**VN.T**

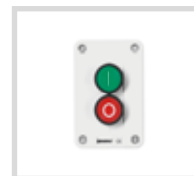
Chain tightener.

**VN.S**

Door fitting brackets for VN.T.

**IPB.NO**

Industrial keypad fitted with 2 contacts that are normally open.

**IPB.NC**

Industrial keypad fitted with a contact that is normally open and a contact normally closed.

**LSR.D50**

Laser control and safety sensor for industrial doors, certified EN12453 type E. Adjustable Detection area up to 5.5x5.5 m.

**LSR.D99**

Laser control and safety sensor for industrial doors, certified EN12453 type E. Adjustable Detection area up to 9.9x9.9 m.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	VN.S40V
<b>Use</b>	<b>industrial</b>
Motor supply	230 Vac (50-60Hz)
Max absorbed current	1.5 A
Max torque	135 Nm
Maximum output rotations	38
Output speed	48 r.p.m.
Shaft hole	1" (25.4 mm)
Limit switch reduction ratio	1/40
Duty cycle	40%
Protection level	IP40
Operating temperature	-20°C /+50°C
Lubrication	OIL
Door max weight	800 kg
Weight / Items no. per pallet	15.3 kg / 32

230<sub>VAC</sub>24<sub>VDC</sub>

# ADAM

# ADAM24

## FOLDING DOOR WITH MAX 2 WINGS INDUSTRIAL USE

with built-in encoder device

up to 120 kg per leaf



Irreversible electromechanical geared motor available in 230 Vac or 24 Vdc with encoder. Simple and quick to install, equipped with wire quick release. Accessory for LED courtesy lights available.

### 230 Vac

- Irreversible 230 Vac geared motor
- **With BRAINY<sup>PLUS</sup> control unit or SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- The encoder device ensures maximum safety and precision in the door moving phases
- Internal metal gears ensure maximum performance and durability over time



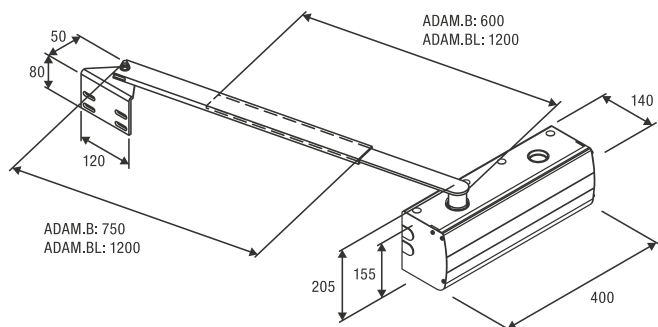
### CONTROL UNITS:

ADAM	BRAINY <sup>PLUS</sup>	142
	* BRAINY	143
ADAM24	* BRAINY24 <sup>PLUS</sup>	152
	* BRAINY24	153

\* With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826

### 24 Vdc | intensive use

- Irreversible 24 Vdc geared motor for intensive use
- **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**
- The encoder device ensures maximum safety and precision in the door moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Internal metal gears ensure maximum performance and durability over time





**ADAM.B**  
Galvanized telescopic arm with welded bush, complete with fixing accessories (L=600 mm).



**ADAM.BL**  
Galvanized telescopic arm with welded bush, complete with fixing accessories (L=1200 mm).



**ADAM.LED**  
Accessory for LED courtesy lights.



**VN.MS**  
Accessory for unlock device with handle.



**FC.ADAM**  
Limit switch kit.

TECHNICAL DATA	ADAM*	ADAM24
Use	industrial	industrial
Motor supply	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.75 A	8 A
Torque	350 Nm	260 Nm
Duty cycle	30%	intensive use
Protection level	IP44	IP44
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	1.5 m	1.3 m
Leaf max weight	120 kg	100 kg
Weight / Items no. per pallet	12.4 kg / 27	11.2 kg / 27

\* Available in 115 Vac version



# ROAD BARRIERS & CAR PARK SAVER

## HIGH-SPEED BRUSHLESS BARRIER

**DIVA**  
up to 3 m

**24 Vdc**  
intensive use

**DIVA.3**

### CONTROL UNITS

CP.DIVA\*

## ROAD BARRIERS

**LADY**  
up to 4 m

**24 Vdc**  
intensive use

**LADY**  
**LADY.I**

CP.LADY\*  
CP.LADY\*

**DIVA**  
up to 5 m

**24 Vdc**  
intensive use

**DIVA.5**

CP.DIVA\*

**LADY**  
up to 5 m

**24 Vdc**  
intensive use

**LADY.5**  
**LADY.5I**

CP.LADY\*  
CP.LADY\*

**EVA**  
up to 5 m

**24 Vdc**  
intensive use

**EVA.5**

CP.EVA\*

**VE.650**  
up to 6.5 m

**24 Vdc**  
intensive use

**VE.650**  
**VE.650I**

CP.LADY\*  
CP.LADY\*

**EVA**  
up to 7 m

**24 Vdc**  
intensive use

**EVA.7**

CP.EVA\*

**EVA**  
up to 8 m

**24 Vdc**  
intensive use

**EVA.8**

CP.EVA\*

## CAR PARK SAVER

**VE.SOR**  
automatic

**24 Vdc**  
intensive use

**VE.SOR**

### CONTROL UNITS

DA.SO4

**VE.SOM**  
manual

**VE.SOM**

---







# DIVA.3



## HIGH-SPEED BRUSHLESS BARRIER

control unit with integrated receiver and absolute encoder  
brushless motor with oil lubricated reductions  
built-in battery charger  
external release



**for passages up to 3 m  
opening in 0.8 s (80°)**



**24 Vdc** | continuous use

- 24 Vdc electromechanical barrier with control unit with integrated receiver and battery charger and switching power supply of 115/230 Vac
- Electric motor with brushless technology that guarantees optimum performance, reliability, fluid movements and a very long lifespan of the operator. This represents the ideal solution in contexts requiring a particularly intensive use (**Mean Cycles Between Failures = 5 million cycles**)
- Oil lubricated metal reduction and bronze gear that minimises wear and increases corrosion resistance
- The top cover has an opening with customised key lock and hinges that facilitate wiring and installation operations
- RGB Led lights integrated in the cover and on the arm, with the possibility to work as a flashing light, a presence light with fixed colour, settable through the wiring. Through the accessory DIVA.TL, it is possible to adjust the colour of the lights according to the boom position (traffic light function)
- Illumination and light diffusion systems on both the cover and the arm designed to guarantee the maximum visibility in every direction and work as footpath lights under the arm itself
- Highest performance and speed
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface

**Foundation plate not included (VE.PS)**



## CONTROL UNITS:

DIVA.3 ——— CP.DIVA 182

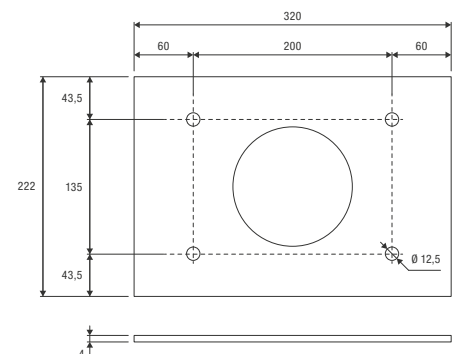
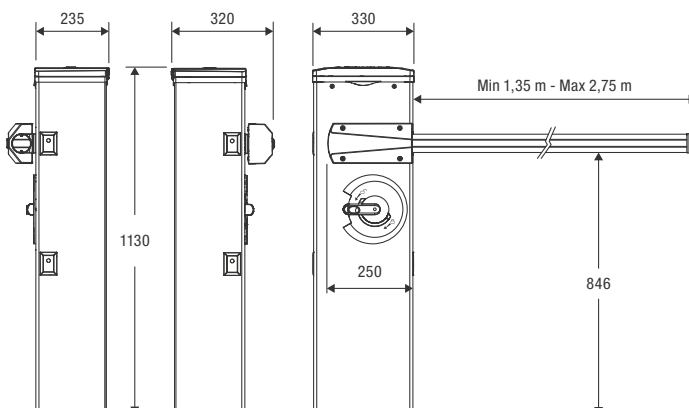


RAL 7004

RAL 7021



WATCH THE VIDEO



VE.PS

**DIVA3.AL**

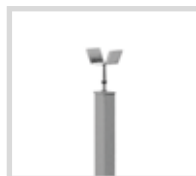
Fiberglass arm complete with RGB LED and profile for light diffusion. Equipped with cap (L = 3 m).

**DIVA3.AB**

Fiberglass arm without LED, equipped with cap and shockproof rubber (L = 3 m).

**VE.PS**

Foundation plate with coach screws.

**EVA.AF**

Painted fixed support.

**DIVA.FAN**

Electric fan and filter for CP.DIVA control unit.

**DIVA.TL**

Electronic board to adjust the light colours on the arm and the crown according to the boom position (traffic light function).

**VE.CS**

Traffic-light control unit for LED.TL.

**LED.TL**

2 light 230 Vac LED traffic light.

**SIS**

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.

**LSR.B**

Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 x 9.9 m.

**VE.KM1HN**

Single-channel 24 Vac/dc detector for magnetic loop.

**VE.KM2HN**

Two-channel 24 Vac/dc detector for magnetic loop.

**CABLE.L6**

Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.

**CABLE.L10**

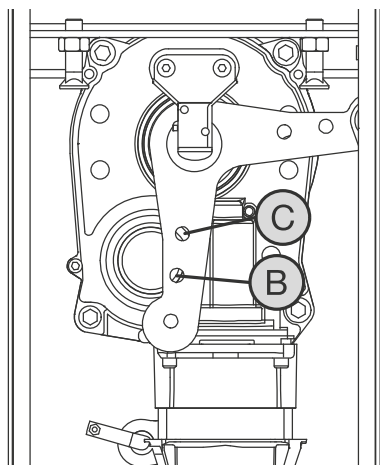
Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.

**FTC.S**

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.

**CAT.20**

Set of 20 adhesive refractor strips.

**POSITIONING OF THE SPRING**

	from 1.6 to 2.5 m	from 2.6 to 3 m
Arm length		
Hook point	C	B

TECHNICAL DATA	DIVA.3
Use	industrial
Power supply	115 Vac / 230 Vac (50-60 Hz)
Motor supply	24 Vdc BRUSHLESS 3PH
Max absorbed current	3 / 1.5 A
Opening time	0.8 s (80°)
Duty cycle	continuous use
MCBF	5 million cycles
Protection level	IP44 (control unit IP54)
Operating temperature	-20°C / +50°C
Lubrication	OIL
Weight / Items no. per pallet	49.0 kg / 9



# DIVA.5



## ROAD BARRIERS

control unit with integrated receiver and absolute encoder  
brushless motor with oil lubricated reductions  
built-in battery charger  
external release



for passages up to 5 m



24 Vdc | continuous use

- 24 Vdc electromechanical barrier with control unit with integrated receiver and battery charger and switching power supply of 115/230 Vac
- Electric motor with brushless technology that guarantees optimum performance, reliability, fluid movements and a very long lifespan of the operator. This represents the ideal solution in contexts requiring a particularly intensive use (**Mean Cycles Between Failures = 3 million cycles**)
- Oil lubricated metal reduction and bronze gear that minimises wear and increases corrosion resistance
- The top cover has an opening with customised key lock and hinges that facilitate wiring and installation operations
- RGB Led lights integrated in the cover and on the arm (RGB.5 accessory), with the possibility to work as a flashing light, a presence light with fixed colour, settable through the wiring. Through the accessory DIVA.TL, it is possible to adjust the colour of the lights according to the boom position (traffic light function)
- Illumination and light diffusion systems the cover designed to guarantee the maximum visibility in every direction and work as footpath lights under the arm itself
- Highest performance and speed
- Designed for the connection of X.BE (KNX) and Q.BE (MQTT) accessories and PRO.UP interface

**Foundation plate not included (VE.PS)**



## CONTROL UNITS:

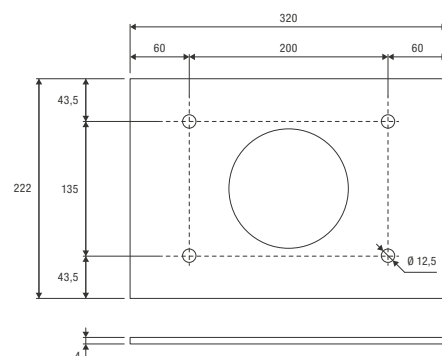
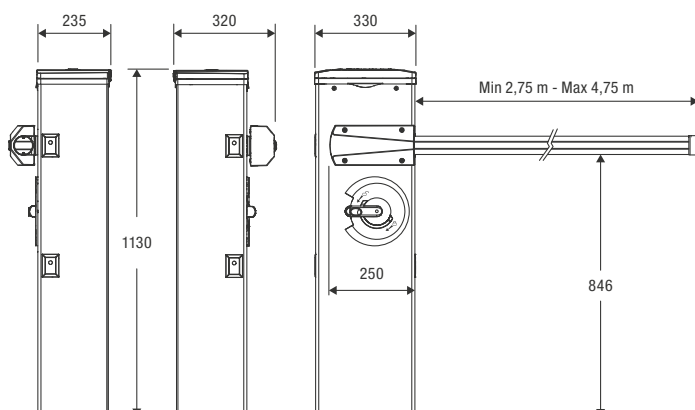
DIVA.5 ————— CP.DIVA

182

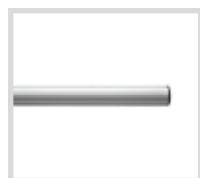


RAL 7004

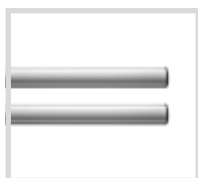
RAL 7021



VE.PS

**DIVA5.A**

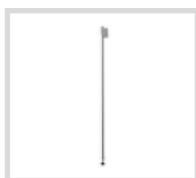
Painted elliptical aluminium arm complete with cap, profile in shockproof rubber (L. 5 m).

**DIVA5.A2**

Painted elliptical aluminium arm cut into two pieces measuring 2.5 m each. Equipped with joint.

**VE.PS**

Foundation plate with coach screws.

**VE.AM**

Mobile support for arms.

**VE.RAST**

Aluminium rack. L. 2 m. Height 60 cm.

**VE.RAST COLOR**

White/red painted aluminium rack. L. 2 m. Height 60 cm.

**EVA.AF**

Painted fixed support.

**GNT.SN**

Articulated joint set for DIVA5.A / EVA5.A arms.

**RGB.5**

Set of RGB LED lights for arm. L = 5 m.

**DIVA.FAN**

Electric fan and filter for CP.DIVA control unit.

**DIVA.TL**

Electronic board to adjust the light colours on the arm and the crown according to the boom position (traffic light function).

**VE.CS**

Traffic-light control unit for LED.TL.

**LED.TL**

2 light 230 Vac LED traffic light.

**SIS**

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.

**LSR.B**

Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 x 9.9 m.

**VE.KM1HN**

Single-channel 24 Vac/dc detector for magnetic loop.

**VE.KM2HN**

Two-channel 24 Vac/dc detector for magnetic loop.

**CABLE.L6**

Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.

**CABLE.L10**

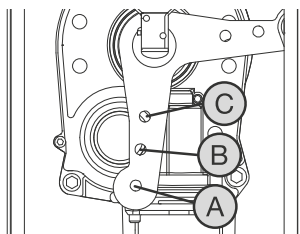
Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.

**FTC.S**

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.

**CAT.20**

Set of 20 adhesive refractor strips.



ACCESSORIES FOR USE	BAR LENGTH (m)				
	3	3,5	4	4,5	5
DIVA5.A	C	C	B	B	A
DIVA5.A + VE.AM	C	C	B	B	A
DIVA5.A + GNT.SN	C	C	B	B	A
DIVA5.A + VE.RAST	C	B	B	A	A
DIVA5.A + VE.RAST + VE.AM	C	B	B	A	A
DIVA5.A + SC.RES	C	B	B	A	A
DIVA5.A + SC.RES + VE.AM	C	B	B	A	A

**Key:** DIVA5.A: Arm with rubber and upper profile / VE.RAST: Aluminium skirt / VE.AM: Mobile support for bar / GNT.SN: Articulated joint set for arm / SC.RES: Sensitive resistive edge (complying with annexe 4 of the Machines Directive).

**Attention:** Installations of VE.RAST, SC.RES and GNT.SN are mutually exclusive. The installation of the RGB.5 lights kit does not influence the balancing of the bar.

TECHNICAL DATA	DIVA.5
Use	industrial
Power supply	115 Vac / 230 Vac (50-60 Hz)
Motor supply	24 Vdc BRUSHLESS 3PH
Max absorbed current	3 / 1.5 A
Opening time	2.5 s (80°)
Duty cycle	continuous use
MCBF	3 million cycles
Protection level	IP44 (control unit IP54)
Operating temperature	-20°C / +50°C
Lubrication	OIL
Weight / Items no. per pallet	50.8 kg / 9



24VDC

EVA.5

**ROAD BARRIERS**

control unit with integrated receiver and absolute encoder  
built-in battery charger  
external release

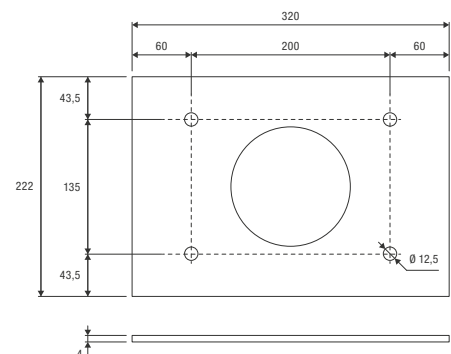
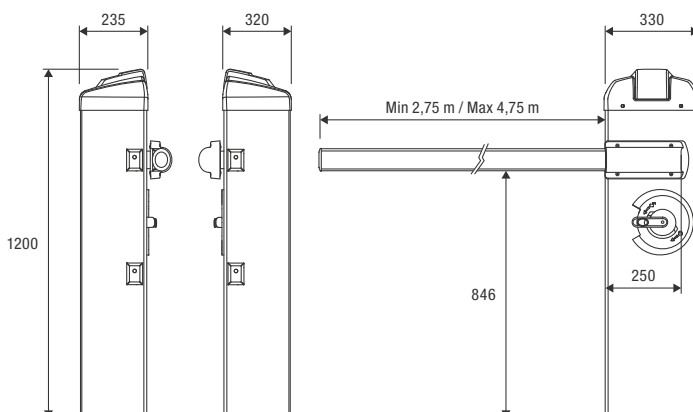
**for passages up to 5 m****CONTROL UNITS:**

EVA.5 ————— CP.EVA

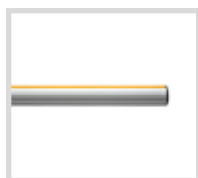
183

**24 Vdc | intensive use**

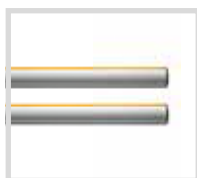
- 24 Vdc electromechanical barrier for intensive use with control unit with integrated receiver, battery charger and extended range switching power supply from 100 to 250 Vac
- Integrated absolute encoder, which ensures greater precision in slowdowns and advanced control of the boom movement so that it never loses the reference position of the boom even if there is a power cut or the automatic device is released
- STC System allows torque delivery to be managed in relation to the position of the arm, ensuring maximum safety
- Easy installation and possibility of quick connection for operation of opposed barriers, thanks to the SIS accessory board
- LED.AL5 arm lights with adjustable intensity
- Possibility to install FTC.S photocells using concealed system so that they are perfectly integrated
- Integrated flashing lamp (requires EVA.LAMP accessory)

**Foundation plate not included (VE.PS)**

VE.PS

**EVA5.A**

Painted elliptical aluminium arm complete with cap, profile in shock-proof rubber (L. 5 m).

**EVA5.A2**

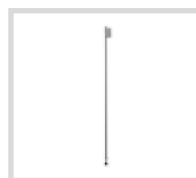
Painted elliptical aluminium arm cut into two pieces measuring 2.5 m each. Equipped with joint.

**EVA5.G**

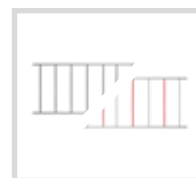
Aluminium joint.

**VE.PS**

Foundation plate with coach screws.

**VE.AM**

Mobile support for arms.

**VE.RAST**

Aluminium rack. L. 2 m. Height 60 cm.

**VE.RAST COLOR**

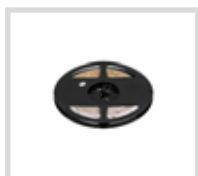
White/red painted aluminum rack. L. 2 m. Height 60 cm.

**EVA.AF**

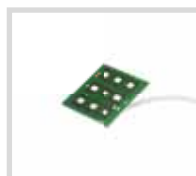
Painted fixed support.

**GNT.SN**

Articulated joint set for DIVA5.A / EVA5.A arms.

**LED.AL5**

Set of LED lights for arm. L = 5 m.

**EVA.LAMP**

Circuit for flashing light.

**VE.CS**

Traffic-light control unit for LED.TL.

**LED.TL**

2 light 230 Vac LED traffic light.

**SIS**

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.

**LSR.B**

Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 x 9.9 m.

**VE.KM1HN**

Single-channel 24 Vac/dc detector for magnetic loop.

**VE.KM2HN**

Two-channel 24 Vac/dc detector for magnetic loop.

**CABLE.L6**

Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.

**CABLE.L10**

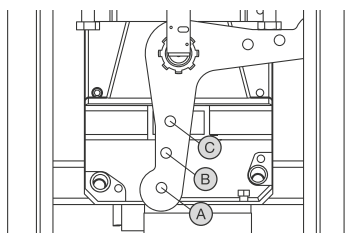
Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.

**FTC.S**

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.

**CAT.20**

Set of 20 adhesive refractor strips.



ACCESSORIES FOR USE	BAR LENGTH (m)				
	3	3,5	4	4,5	5
EVA5.A	C	C	B	B	A
EVA5.A + VE.AM	C	C	B	B	A
EVA5.A + GNT.SN	C	C	B	B	A
EVA5.A + VE.RAST	C	B	B	A	A
EVA5.A + VE.RAST + VE.AM	C	B	B	A	A
EVA5.A + SC.RES	C	B	B	A	A
EVA5.A + SC.RES + VE.AM	C	B	B	A	A

**Key:** EVA5.A: Arm with rubber and upper profile / VE.RAST: Aluminium skirt / VE.AM: Mobile support for bar / GNT.SN: Articulated joint set for arm / SC.RES: Sensitive resistive edge (complying with annexe 4 of the Machines Directive).

**Attention:** Installations of VE.RAST, SC.RES and GNT.SN are mutually exclusive. The installation of the LED.AL5 lights kit does not influence the balancing of the bar.

TECHNICAL DATA	EVA.5
Use	industrial
Power supply	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	3.1 / 1.6 A
Torque	205 Nm
Opening time	3.5" ÷ 6"
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C / +50°C
Weight / Items no. per pallet	54.8 kg / 9



24VDC

EVA.7

**ROAD BARRIERS**

control unit with integrated receiver and absolute encoder  
 built-in battery charger  
 external release  
 2 standard 480 mm springs included

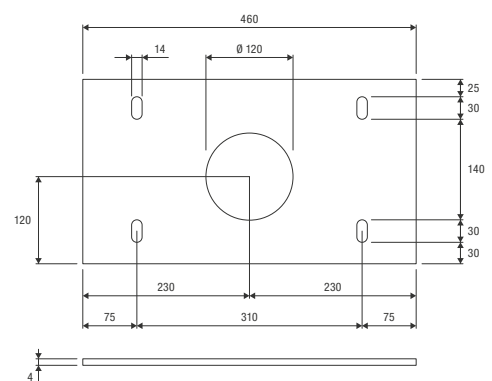
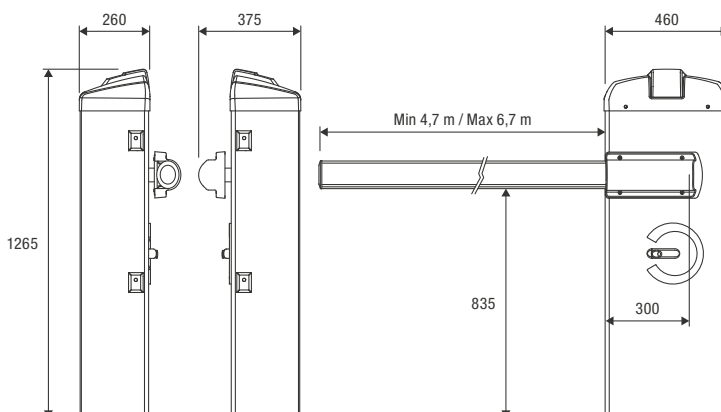
**for passages up to 7 m****CONTROL UNITS:**

EVA.7 ————— CP.EVA

183

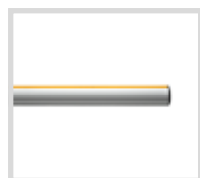
**24 Vdc | intensive use**

- 24 Vdc electromechanical barrier for intensive use with control unit with integrated receiver, battery charger and extended range switching power supply from 100 to 250 Vac
- Integrated absolute encoder, which ensures greater precision in slowdowns and advanced control of the boom movement so that it never loses the reference position of the boom even if there is a power cut or the automatic device is released
- STC System allows torque delivery to be managed in relation to the position of the arm, ensuring maximum safety
- Easy installation and possibility of quick connection for operation of opposed barriers, thanks to the SIS accessory board
- LED.AL8 arm lights with adjustable intensity
- Possibility to install FTC.S photocells using concealed system so that they are perfectly integrated
- Integrated flashing lamp (requires EVA.LAMP accessory)
- Available in right or left side versions

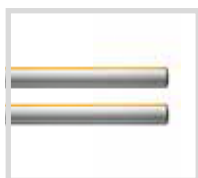
**Foundation plate not included (VE.P650)**

VE.P650



**EVA7.A**

Painted elliptical aluminium arm complete with cap, profile in shock-proof rubber (L. 7 m).

**EVA7.A2**

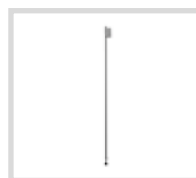
Painted elliptical aluminium arm cut into two pieces measuring 3.5 m each. Equipped with joint.

**EVA7.G**

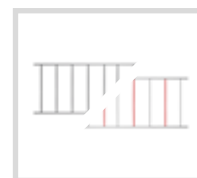
Aluminium joint.

**VE.P650**

Foundation plate with coach screws.

**VE.AM**

Mobile support for arms.

**VE.RAST**

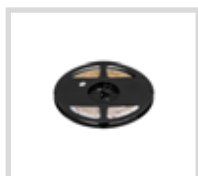
Aluminium rack. L. 2 m. Height 60 cm.

**VE.RAST COLOR**

White/red painted aluminium rack. L. 2 m. Height 60 cm.

**EVA.AF**

Painted fixed support.

**LED.AL8**

Set of LED lights for arm. L = 8 m.

**EVA.LAMP**

Circuit for flashing light.

**VE.CS**

Traffic-light control unit for LED.TL.

**LED.TL**

2 light 230 Vac LED traffic light.

**EVA.KM**

364 mm spring.

**SIS**

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.

**LSR.B**

Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 x 9.9 m.

**VE.KM1HN**

Single-channel 24 Vac/dc detector for magnetic loop.

**VE.KM2HN**

Two-channel 24 Vac/dc detector for magnetic loop.

**CABLE.L6**

Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.

**CABLE.L10**

Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.

**FTC.S**

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.

**CAT.29**

Set of 20 adhesive refractor strips.

**□ WITHOUT ACCESSORIES**

BAR LENGTH (m)	TYPE OF SPRING	APPROX TENSIONING OF THE SPRING (mm)	
		EVA.KM	STANDARD SPRING
5	STANDARD SPRING	---	35
5,5	STANDARD SPRING	---	90
6	EVA.KM + STANDARD SPRING	31	15
6,5	N° 2 STANDARD SPRINGS	---	5 / 5
7	N° 2 STANDARD SPRINGS	---	35 / 35

**□ WITH ACCESSORIES: CAP, LED.AL8, SC.RES/VE.RAST, VE.AM**

BAR LENGTH (m)	TYPE OF SPRING	APPROX TENSIONING OF THE SPRING (mm)	
		EVA.KM	STANDARD SPRING
5	STANDARD SPRING	---	100
5,5	EVA.KM + STANDARD SPRING	52	138
6	N° 2 STANDARD SPRINGS	---	20 / 20
6,5	N° 2 STANDARD SPRINGS	---	65 / 65
7	---	---	---

**Attention:** Installations of VE.RAST and SC.RES are mutually exclusive.  
The installation of the LED.AL8 lights kit does not influence the balancing of the bar.

TECHNICAL DATA	EVA.7
Use	industrial
Power supply	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	3.1 / 1.6 A
Torque	285 Nm
Opening time	3.5" ÷ 6"
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C / +50°C
Weight / Items no. per pallet	78.4 kg / 6



24VDC

# EVA.8



## ROAD BARRIERS

control unit with integrated receiver and absolute encoder  
 built-in battery charger  
 external release  
 2 standard 480 mm springs and one 364 mm spring included



**for passages up to 8 m**



## CONTROL UNITS:

EVA.8 ————— CP.EVA

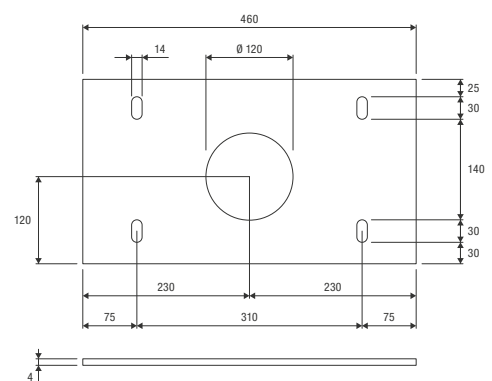
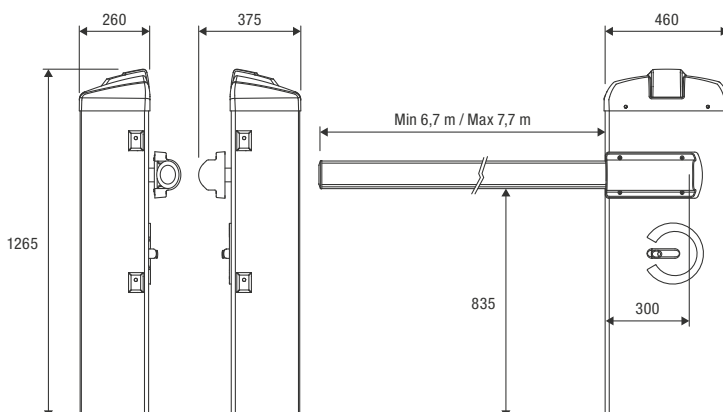
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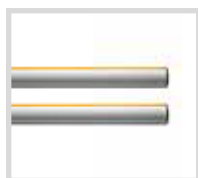
## 24 Vdc | intensive use

- 24 Vdc electromechanical barrier for intensive use with control unit with integrated receiver, battery charger and extended range switching power supply from 100 to 250 Vac
- Integrated absolute encoder, which ensures greater precision in slowdowns and advanced control of the boom movement so that it never loses the reference position of the boom even if there is a power cut or the automatic device is released
- STC System allows torque delivery to be managed in relation to the position of the arm, ensuring maximum safety
- Easy installation and possibility of quick connection for operation of opposed barriers, thanks to the SIS accessory board
- LED.AL8 arm lights with adjustable intensity
- Possibility to install FTC.S photocells using concealed system so that they are perfectly integrated
- Integrated flashing lamp (requires EVA.LAMP accessory)
- Available in right or left side versions

**Foundation plate not included (VE.P650)**



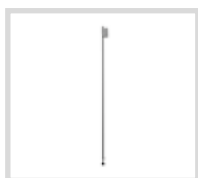
VE.P650

**EVA.8.A2**

Painted elliptical aluminium arm complete with cap, profile in shock-proof rubber (L. 8m). Available only in the cut version equipped with 2 joints.

**VE.P650**

Foundation plate with coach screws.

**VE.AM**

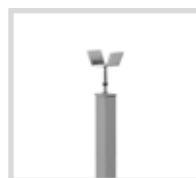
Mobile support for arms.

**VE.RAST**

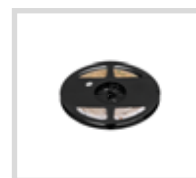
Aluminium rack. L. 2 m. Height 60 cm.

**VE.RAST COLOR**

White/red painted aluminium rack. L. 2 m. Height 60 cm.

**EVA.AF**

Painted fixed support.

**LED.AL8**

Set of LED lights for arm. L = 8 m.

**EVA.LAMP**

Circuit for flashing light.

**VE.CS**

Traffic-light control unit for LED.TL.

**LED.TL**

2 light 230 Vac LED traffic light.

**SIS**

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.

**LSR.B**

Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 x 9.9 m.

**VE.KM1HN**

Single-channel 24 Vac/dc detector for magnetic loop.

**VE.KM2HN**

Two-channel 24 Vac/dc detector for magnetic loop.

**CABLE.L6**

Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.

**CABLE.L10**

Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.

**FTC.S**

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.

**CAT.29**

Set of 20 adhesive refractor strips.

BAR LENGTH	ACCESSORIES FOR USE
7 m	VE.RAST
	SC.RES
	VE.RAST + VE.AM
	SC.RES + VE.AM
8 m	---

**Attention:** The installation of the VE.RAST interferes with the use of the SC.RES and vice versa. The installation of the LED.AL8 lights kit does not influence the balancing of the bar.

TECHNICAL DATA	EVA.8
<b>Use</b>	<b>industrial</b>
Power supply	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	3.1 / 1.6 A
Torque	285 Nm
Opening time	3.5" ÷ 6"
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C / +50°C
Weight / Items no. per pallet	82.0 kg / 6



24VDC

LADY

**ROAD BARRIERS**

control unit with integrated receiver  
built-in battery charger  
external release

**for passages up to 4 m**

**CONTROL UNITS:**

LADY ————— CP.LADY

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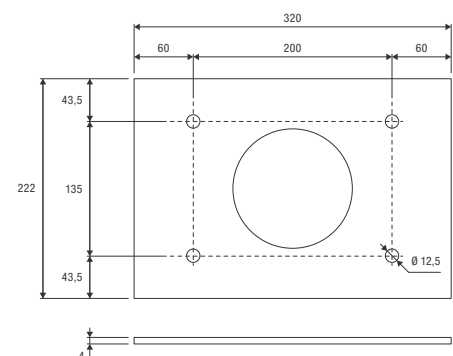
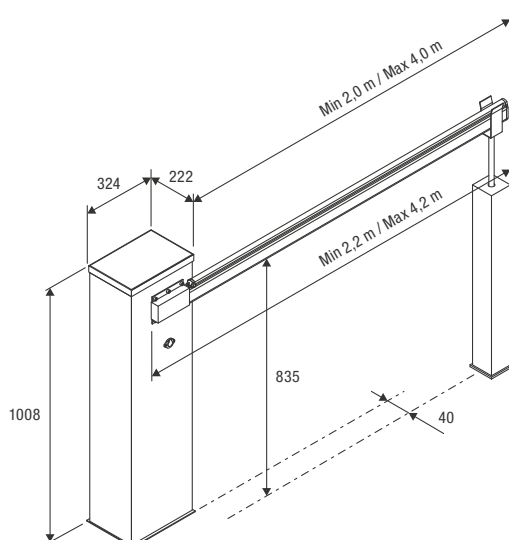


RAL 2009

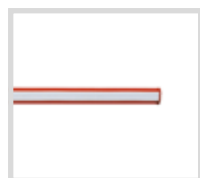
**24 Vdc | intensive use**

- 24 Vdc electromechanical barrier for intensive use with control unit with integrated receiver, battery charger and extended range switching power supply from 100 to 250 Vac
- Easy installation and possibility of quick connection for operation of opposed barriers, thanks to the SIS accessory board
- Possibility to install FTC.S photocells using concealed system so that they are perfectly integrated
- Simple, fast and reliable boom balancing system
- Adjustable slow-downs
- Available also in the stainless steel version, LADY.I

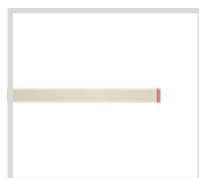
**Foundation plate not included (VE.PS)**



VE.PS

**LADY.P**

4.2 m white painted aluminium arm.

**LADY.A**

Aluminium arm measuring 4.2 m, with cap. Dimensions 60x38 mm.

**LADY.A2**

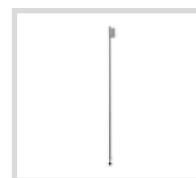
Aluminium arm cut into two pieces measuring 2.1 m each. Dimensions 60x38 mm. Requires LADY.GT joint.

**LADY.GT**

LADY.A2 arm joint.

**VE.PS**

Foundation plate with coach screws.

**VE.AM**

Mobile support for arms.

**VE.RAST**

Aluminium rack. L. 2 m. Height 60 cm.

**VE.RAST COLOR**

White/red painted aluminium rack. L. 2 m. Height 60 cm.

**VE.AF**

Painted fixed support.

**VE.AFI**

Stainless steel fixed support.

**LADY.SN**

Articulated joint set for LADY.A / LADY.P (rubber profiles must be removed). It compromises the use of any other accessory.

**LADY.L**

Flashing light set for LADY.P.

**VE.CS**

Traffic-light control unit for LED.TL.

**LED.TL**

2 light 230 Vac LED traffic light.

**SIS**

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.

**LSR.B**

Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 x 9.9 m.

**VE.KM1HN**

Single-channel 24 Vac/dc detector for magnetic loop.

**VE.KM2HN**

Two-channel 24 Vac/dc detector for magnetic loop.

**CABLE.L6**

Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.

**CABLE.L10**

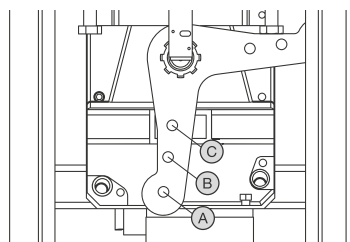
Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.

**FTC.S**

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.

**CAT.29**

Set of 20 adhesive refractor strips.



ACCESSORIES FOR USE	BAR LENGTH (m)				
	2.2	2.7	3.2	3.7	4.2
No accessories	C	C	C	B	A
LADY.P (only upper)	C	C	B	B	A
LADY.P (upper and lower)	C	C	B	B	A
VE.RAST	C	B	B	A	---
LADY.P (only upper) + VE.RAST	C	B	B	A	---
LADY.P (only upper) + VE.AM	C	B	B	A	A
LADY.P (upper and lower) + VE.AM	C	B	B	A	---
LADY.P (only upper) + VE.RAST + VE.AM	C	B	A	---	---
SC.RES	C	B	B	A	---
LADY.P (only upper) + SC.RES	C	B	A	A	---
SC.RES + VE.AM	C	B	A	A	---
LADY.P (only upper) + SC.RES + VE.AM	C	B	A	---	---

The installation of the VE.RAST interferes with the use of the SC.RES and vice versa.  
The installation of the LADY.L lights kit does not influence the balancing of the bar.

TECHNICAL DATA	LADY
Use	industrial
Power supply	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	3 / 1.5 A
Torque	195 Nm
Opening time	3.5" ÷ 6"
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C / +50°C
Weight / Items no. per pallet	50.8 kg / 9



24VDC

## LADY.5



## ROAD BARRIERS

control unit with integrated receiver  
built-in battery charger  
external release

**for passages up to 5 m**



## CONTROL UNITS:

LADY.5 ————— CP.LADY

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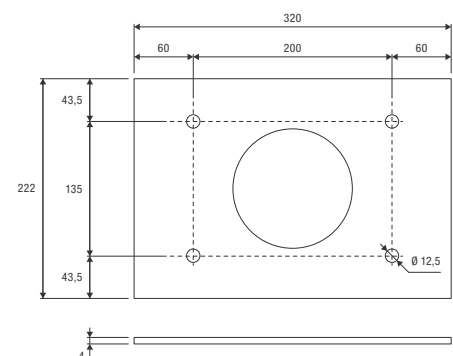
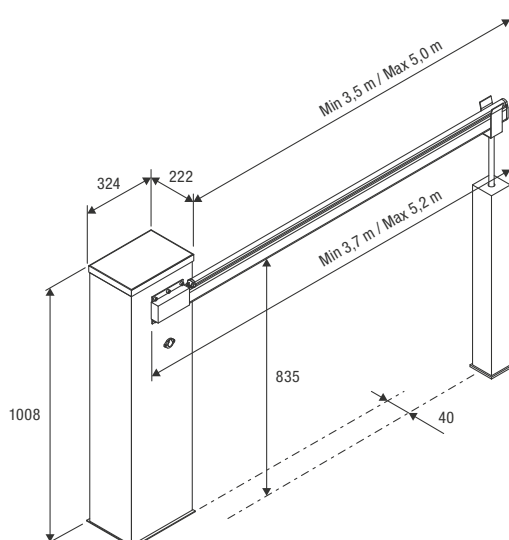


RAL 2009

## 24 Vdc | intensive use

- 24 Vdc electromechanical barrier for intensive use with control unit with integrated receiver, battery charger and extended range switching power supply from 100 to 250 Vac
- Easy installation and possibility of quick connection for operation of opposed barriers, thanks to the SIS accessory board
- Possibility to install FTC.S photocells using concealed system so that they are perfectly integrated
- Simple, fast and reliable boom balancing system
- Adjustable slow-downs
- Available also in the stainless steel version, LADY.5I

**Foundation plate not included (VE.PS)**



VE.PS

**LADY.P5**

5.2 m white painted aluminium arm.

**LADY.A5**

Aluminium arm measuring 5.2 m, with cap. Dimensions 60x38 mm.

**VE.PS**

Foundation plate with coach screws.

**VE.AM**

Mobile support for arms.

**VE.RAST**

Aluminium rack. L. 2 m. Height 60 cm.

**VE.RAST COLOR**

White/red painted aluminium rack. L. 2 m. Height 60 cm.

**VE.AF**

Painted fixed support.

**VE.AFI**

Stainless steel fixed support.

**LADY.SN**

Articulated joint set for LADY.P5 (rubber profiles must be removed). It compromises the use of any other accessory.

**LADY.L**

Flashing light set for LADY.P.

**VE.CS**

Traffic-light control unit for LED.TL.

**LED.TL**

2 light 230 Vac LED traffic light.

**SIS**

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.

**LSR.B**

Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 x 9.9 m.

**VE.KM1HN**

Single-channel 24 Vac/dc detector for magnetic loop.

**VE.KM2HN**

Two-channel 24 Vac/dc detector for magnetic loop.

**CABLE.L6**

Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.

**CABLE.L10**

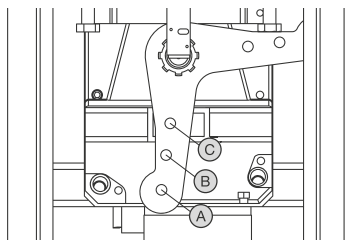
Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.

**FTC.S**

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.

**CAT.29**

Set of 20 adhesive refractor strips.



ACCESSORIES FOR USE	BAR LENGTH (m)			
	3.7	4.2	4.7	5.2
No accessories	---	---	C	C
LADY.P (only upper)	---	C	B	B
LADY.P (upper and lower)	C	C	B	B
VE.RAST	C	B	B	A
LADY.P (only upper) + VE.RAST	C	B	A	A
LADY.P (only upper) + VE.AM	C	C	B	B
LADY.P (upper and lower) + VE.AM	C	B	B	A
LADY.P (only upper) + VE.RAST + VE.AM	B	B	A	A
SC.RES	C	B	B	A
LADY.P (only upper) + SC.RES	C	B	A	A
SC.RES + VE.AM	B	B	A	A
LADY.P (only upper) + SC.RES + VE.AM	B	B	A	A
VE.RAST + VE.AM	B	B	A	A

The installation of the VE.RAST interferes with the use of the SC.RES and vice versa.  
The installation of the LADY.L lights kit does not influence the balancing of the bar.

TECHNICAL DATA	LADY.5
Use	industrial
Power supply	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	3.1 / 1.6 A
Torque	195 Nm
Opening time	3.5" ÷ 6"
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C / +50°C
Weight / Items no. per pallet	50.8 kg / 9



24VDC

## VE.650



## ROAD BARRIERS

integrated control unit  
built-in battery charger  
2 neutral springs included

**for passages up to 6.5 m**



## CONTROL UNITS:

VE.650 ——— CP.LADY

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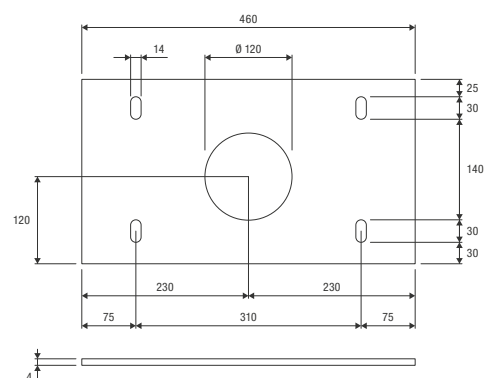
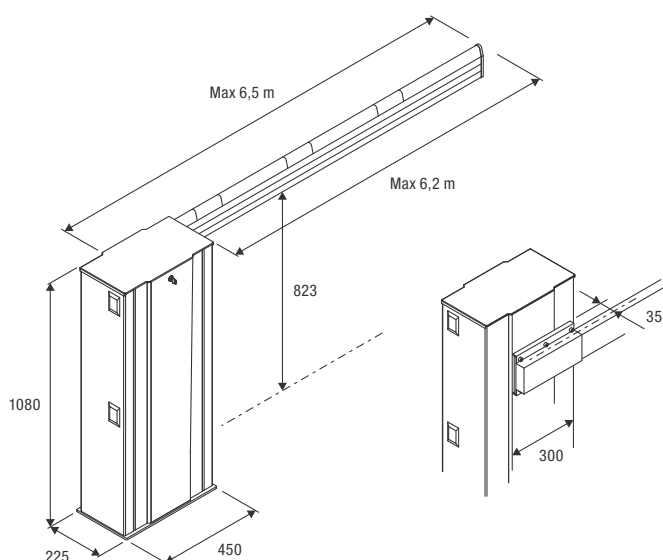


RAL 2009

## 24 Vdc | intensive use

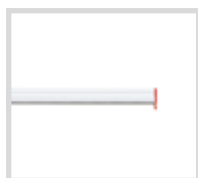
- 24 Vdc electromechanical barrier with control unit with integrated receiver and battery charger and extended range switching power supply from 100 to 250 Vac
- Easy installation and possibility of quick connection for operation of opposed barriers, thanks to the SIS accessory board
- Possibility to install FTC.S photocells using concealed system so that they are perfectly integrated
- Adjustable limit switches for slowdown phases
- Available also in the stainless steel version VE.650I

**Foundation plate not included (VE.P650)**

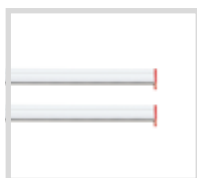


VE.P650



**VE.650A**

Painted aluminium arm with caps. Dimensions: 6500x100x40 mm.

**VE.650A2**

Painted aluminium arm cut into two pieces measuring 3.25 m each. Requires VE.GT24 joint.

**VE.C650**

Painted tubular arm Ø 90 mm in aluminium L=6500 mm with caps and galvanised fixing bracket. Suitable for areas with strong wind.

**VE.C6502**

Tubular arm Ø 90 mm cut into two pieces measuring 3.25 m each. Requires VE.GT90 joint.

**VE.GT24**

VE.650A2 aluminium arm joint.

**VE.GT90**

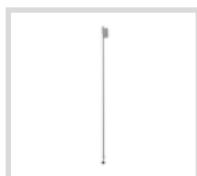
VE.C6502 aluminium arm joint.

**VE.RP**

Protection rubber for VE.650A with aluminium profile and caps. **Packing: 10 m**

**VE.P650**

Foundation plate with coach screws.

**VE.AM**

Mobile support for arms.

**VE.RAST**

Aluminium rack. L. 2 m. Height 60 cm.

**VE.RAST COLOR**

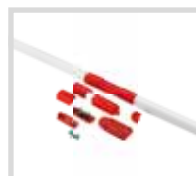
White/red painted aluminium rack. L. 2 m. Height 60 cm.

**VE.AF**

Painted fixed support.

**VE.AFI**

Stainless steel fixed support.

**VE.L650**

Flashing light set for VE.650A/VE.650A2.

**LED.TL**

2 light 230 Vac LED traffic light.

**VE.CS**

Traffic-light control unit for LED.TL.

**VE.KMB**

White spring.

**VE.KMG**

Yellow spring.

**VE.KMN**

Neutral spring.

**VE.KM24**

Set of 3 springs: yellow, neutral, white.

**DA.2S**

Electronic board that allows synchronised movement of 2 automation devices (opposed barriers).

**VE.KM1HN**

Single-channel 24 Vac/dc detector for magnetic loop.

**VE.KM2HN**

Two-channel 24 Vac/dc detector for magnetic loop.

**CABLE.L6**

Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.

**CABLE.L10**

Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.

**FTC.S**

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.

**CAT.55**

Set of 20 adhesive refractor strips.

ACCESSORIES FOR USE	TYPE OF SPRING	BAR LENGTH (m)
VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST	1 neutral	4.5
VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST	1 yellow + 1 neutral	5
VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST	1 yellow + 1 neutral	5.5
---	1 yellow + 1 neutral	6
VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST	2 neutral	6
VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST	2 neutral	6.5

Installations of VE.RAST, SC.RES and VE.RP are mutually exclusive.

TECHNICAL DATA	VE.650
<b>Use</b>	<b>industrial</b>
Power supply	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	3.1 / 1.6 A
Torque	285 Nm
Opening time	5" ÷ 7"
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C / +50°C
Weight / Items no. per pallet	80.2 kg / 6

  
24VDC

# VE.SOR VE.SOM



## CONTROL UNITS:

VE.SOR ——— DA.S04+DA.E 157

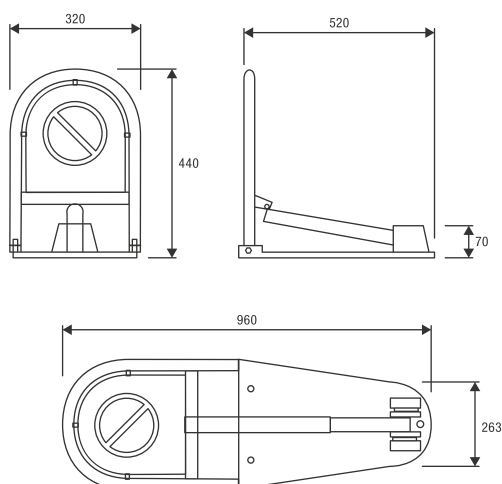
### CAR PARK SAVER

available in automatic or manual version



### 24 Vdc | intensive use

- Automation that safeguards the private car parks
- Easy and fast installation on the ground
- Automatic and manual versions available



**DA.S04**

Control unit, for max. 4 VE.SOR, prepared for plug-in receiver  
N.B. 1 module DA.E each VE.SOR is required.

**DA.E**

Module for VE.SOR  
(one DA.E each VE.SOR).

**DA.RB**

Battery charger  
card for DA.S04.

**DA.BT2**

2.1Ah 12 Vdc  
Battery.

**DA.BT6**

7 Ah 12 Vdc  
Battery.

**XLB.CB**

Battery box fitted  
with universal bracket  
and cables. IP54.

**ONE.2WI**

433.92 MHz receiver with  
triple coding: Advanced  
Rolling Code and Rolling  
Code, plug-in. 512  
memorisable codes.

TECHNICAL DATA	VE.SOM	VE.SOR
<b>Use</b>	<b>commercial</b>	<b>commercial</b>
Operating way	manual	24 Vdc / automatic
Power supply	---	230 Vac (50-60Hz)
Motor supply	---	24 Vdc
Max absorbed current	---	2 A
Opening time	---	9"
Duty cycle	---	intensive use
Protection level	---	IP54
Operating temperature	---	-20°C /+50°C
Weight / Items no. per pallet	8.0 kg / 22	9.0 kg / 22



# CONTROL UNITS

EXTERNAL CONTROL UNITS	230 Vac single-phase	1 MOTOR	swing gates	HEADY
			swing and sliding gates	BRAINY PLUS BRAINY BRAINY.P CORE
			sliding gates	MATRIX
			counterweight garage doors	LOGICA
			industrial sliding doors, folding doors with more than two sections and shutters	CELL.P
	230-400 Vac single-phase three-phase	2 MOTORS	swing gates	HEADY
			swing gates, opposed sliding gates, hydraulic operators, and industrial folding doors	BRAINY PLUS BRAINY BRAINY.P
			counterweight garage doors	LOGICA
			sectional doors and rolling doors, folding doors with more than two sections, unbalanced shutters and industrial sliding	THINKY THINKY.P THINKY.I START START.I
			sliding gates	BUFFALO DRIVE
	24 Vdc	1 MOTOR	counterweight garage doors	TILTY24 LOGICA24
			industrial folding door	BRAINY24 PLUS BRAINY24 BRAINY24.P
			swing gates	BRAINY24 PLUS BRAINY24 BRAINY24.P TRUST24
		2 MOTORS	counterweight garage doors	TILTY24 LOGICA24
			swing gates, opposing sliding gates, and industrial folding doors with a maximum of 2 wings	BRAINY24 PLUS BRAINY24 BRAINY24.P
			swing gates	TRUST24
		4 MOTORS	car park saver	DA.S04 + DA.E



INTERNAL CONTROL UNITS	230 Vac single-phase	sliding gates	CP.BULL6-SE CP.BULL8-OM CP.BULL-RI CP.BULL-REV CP.BULL20-HE CP.BULL OMI
		garage	CP.ZED-AUTR
		industrial doors	UP.VN
	230-400 Vac single-phase three-phase	sliding gates	CP.BISON OTI CP.BISON OTI L CP.YAK OTI CP.BUFFALO OTI
		swing gates	CP.SAM
		sliding gates	CP.B24-SW CP.B24 TURBO CP.B24-D120
	24 Vdc	garage	CP.MARK CP.ZED24 CP.J3-SW CP.J4-SW CP.J4-SE CP.J4ESA CP.JT
		industrial doors	CP.JACK
		road barriers	CP.DIVA CP.EVA CP.LADY

GREEN  
ECONOMY

KSUN  
SUNNY



# SUN SYSTEM

## GREEN ECONOMY

30W SOLAR PANEL



## PRACTICAL, ECOLOGICAL

SUN SYSTEM is the perfect solution for installing automated mechanisms in places where there is no source of electricity and without having to spend money on costly construction.

## TECHNOLOGY AND EVOLUTION!

The fact that there is a display panel allows operators to monitor several important parameters regarding historical data and statistics at all times:

- Instant values on battery and solar panel voltage
- Instant values on the current generated by the solar panel and the batteries
- Number of days the system has been in operation
- Average charging current values of the battery and log of consumption data
- Error messages related to over-current battery issues
- Verification of battery charge status

## FLEXIBLE BECAUSE IT IS OPEN!

- It is possible to connect to the control unit up to 3 solar panels
- Batteries of varying capacities (7-50Ah) can also be used

## LOW ENERGY USE = MORE MANEUVERS!

- The system is controlled via the SUNNY central command device
- SUNNY keeps the automation's control unit deactivated and enables the power supply only after it receives a signal or command over the wire to do so
- Thanks to the card's low energy consumption levels in stand-by mode, the system is able to ensure a number of maneuvers also in hours of the day or periods with less-than-ideal solar radiation conditions



### DA.BT18

18 Ah 12 Vdc Battery.



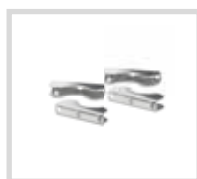
### SUN.PANEL

High-performance monocrystalline silicon solar panel (30W).



### COL.KSUN

Column for battery housing DA.BT18 and control unit SUNNY, equipped with removable battery tray. H=650x323x230 mm.



### COL.BR

Pair of clamps for fixing solar panel to column COL.KSUN.



## KSUN

KIT for system operation via solar panel, made up of photovoltaic panel (30W) in monocrystalline silicone and with high efficiency, and a control unit (SUNNY) complete with display and built-in radio receiver. The receiver is capable of managing three types of encoding: Advanced Rolling Code (ARC), Rolling Code, and Programmable Code.



## SUNNY

Control unit complete with display, 3 code radio receiver: Advanced Rolling Code (ARC), Rolling Code, and Programmable Code. You can connect up to three solar panels to the control unit.

### CHART REGARDING AVERAGE SOLAR RADIATION DISTRIBUTION

average number of daily manoeuvres with KBOB3024E.DK / KBULL624SE\*

133 114 95 76 57 37 18

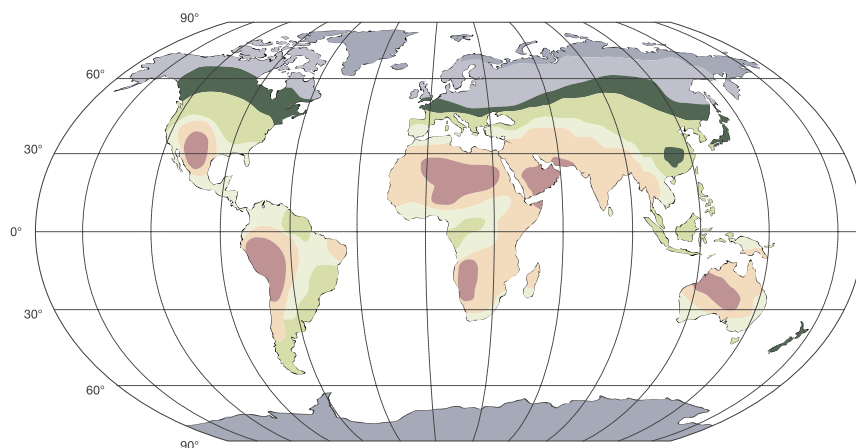
average number of daily manoeuvres with KBULL424SE\*

191 163 136 108 81 54 26

\* Refer back to the manual for more precise values

The above data refer to some of the configurations possible with SUN SYSTEM

### Hemisphere Panel orientation



Latitude	Angle of inclination $\alpha$
0° - 15°	15°
15° - 25°	The value is the same as that of the latitude
25° - 30°	Add 5° to the latitude value
30° - 35°	Add 10° to the latitude value
35° - 40°	Add 15° to the latitude value
> 40°	Add 20° to the latitude value

CONTROL UNIT TECHNICAL DATA	SUNNY
Photovoltaic panel type	Vmp: 15 ÷ 40V (load voltage) Wp: 15 ÷ 80 W (maximum power)
Power supply output	24 Vdc
Protection level	IP55
Operational temperature	-20°C / +50°C
Radio receiver	built-in and configurable (Advanced Rolling Code (ARC) + Rolling Code + Programmable Code)
No. of codes that can be saved	64

SOLAR PANEL TECHNICAL DATA	SUN.PANEL
Voltage with open circuit (Voc)	21.5
Voltage at maximum power (Vmp)	17.5
Short circuit current Isc (A)	1.88
Current at maximum power Imp (A)	1.7
Peak power Wp +/- 5%	30



# BRAINY PLUS



## APPLICATION

1 or 2 operators for swing gates, opposed sliding gates, hydraulic operators, and industrial folding doors

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

230 Vac / 600 W + 600 W

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz radio receiver with 512 codes and 3 radio encodings (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and dead man's logic | Encoder input for obstacle detection | Separate limit switch inputs for each motor | 6 opto-isolated inputs configurable as open, close, pedestrian, step-by-step, stop, active photocell during opening-closing and photocell active only during closing | 2 separate inputs for sensitive edges configurable according to operation and type | Output for 230 Vac and 12/24 Vdc electric lock configurable | Outputs configurable as gate open indicator light, second radio channel, courtesy light, area light, accessory test output, flashing output, gate open alarm and NC input alarm | Autoset operating parameters with all motor types | Separate electronic adjustment of torque for each motor and of opening and closing times | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Adjustable slowdowns | Integrated ESA+ for energy saving | Designed for connection of X.BE (KNX) and Q.BE (MQTT) | Configuration, diagnostics, firmware update, and radio control management via the BeUP app, using the PRO.UP accessory | Number of operations | Programming access password | Maintenance warning | **Standby power consumption complies with European Regulation (EU) 2023/826**



Fully compatible with BRAINY, equipped with a procedure for recovering radio transmitters



### DU.V96

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



### DU.V90

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



### DU.9990

Covering plate for DU.V90.



### E.LOCK

230 Vac vertical electric lock, supplied with counterplate.



### X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



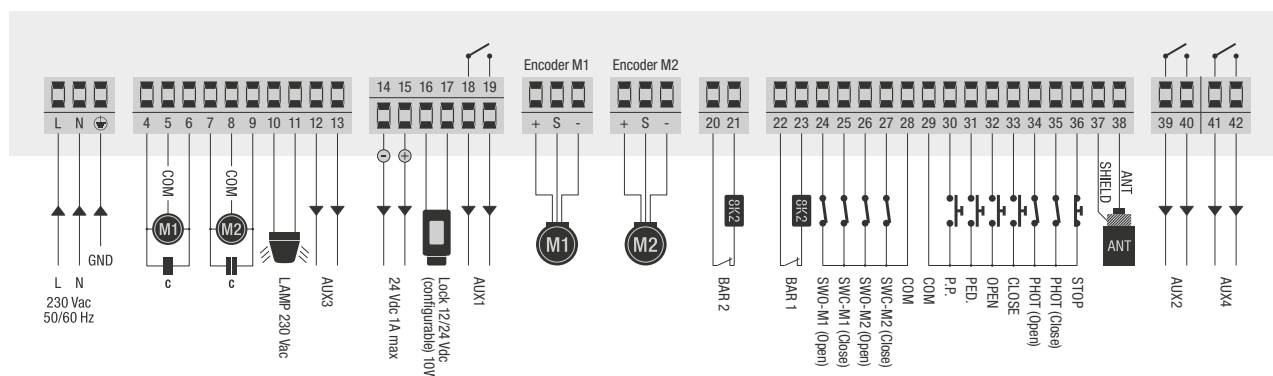
### Q.BE

Electronic interface board between systems using the MQTT protocol and Benincà automations.



### PRO.UP

Interface for remote programming and diagnostics.







# BRAINY



## APPLICATION

1 or 2 operators for swing gates, opposed sliding gates, hydraulic operators, and industrial folding doors

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

230 Vac / 600 W + 600 W

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Separate limit switch inputs for each motor | Open, close, pedestrian, step by step and stop inputs | Separate photocell inputs in opening-closing and in closing phases | Input for N.C or 8K2 sensitive edge | Configurable output for 230 Vac and 12/24 Vdc electric lock | Outputs configurable as gate open indicator light, second radio channel, courtesy light, area light, accessory test output, flashing light output, gate open alarm and NC input alarm | Output for connecting flashing light | Autosetting of operating parameters (with motors equipped with encoder) | Separate electronic torque adjustment for each motor and operating times | Adjustable slow-downs | Number of maneuvers | Programming access password | Maintenance warning |

**With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



### DU.V96

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



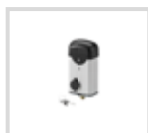
### DU.V90

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



### DU.9990

Covering plate for DU.V90.



### E.LOCK

230 Vac vertical electric lock, supplied with counterplate.



### E.LOCKSE

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



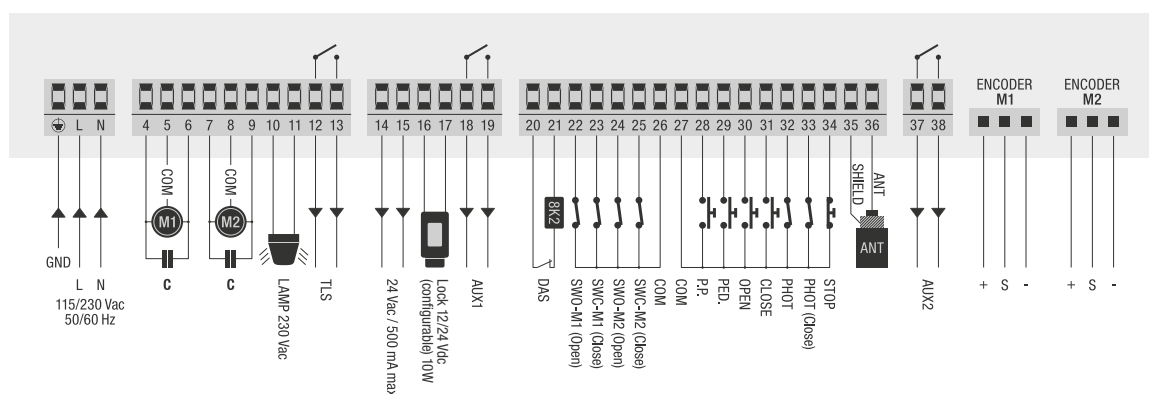
### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.



### BRAINY.P

BRAINY control units with open, close, stop buttons incorporated in the control unit.



# HEADY



## APPLICATION

1 or 2 operators for swing gates

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

230 Vac / 500 W + 500 W

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, and semi-automatic logic | Step by step, pedestrian and stop inputs | Separate photocell inputs in opening-closing and in closing phases | Stop input configurable as second photocell input | Output for electric lock 230 Vac/service light | Output for connecting flashing light | Output as gate open indicator, second radio channel and photocell testing | Separate electronic torque adjustment for each motor and operating times | Fixed slow-downs | Number of maneuvers | Programming access password | Maintenance warning | **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



### E.LOCK

230 Vac vertical electric lock, supplied with counterplate.



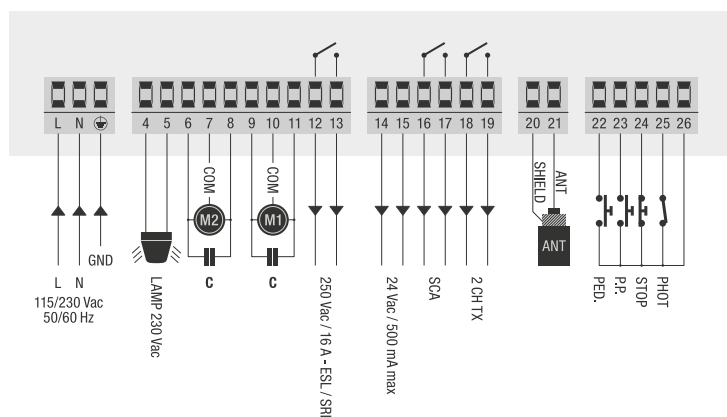
### E.LOCKSE

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.





# CORE



## APPLICATION

1 operator for sliding or 1 swing gate

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

230 Vac / 750 W

## MAIN FUNCTIONS

Parameter and operation logic regulations through trimmers and dip-switches | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder (MAG.E) input for detecting obstacles | Motor limit switch inputs | Step by step, stop and photocell inputs | Step by step input configurable as open | Stop input configurable as close or pedestrian | Photocell input programmable as active in opening-closing and in closing phases | Output as gate open indicator | Output for connecting flashing light | Autosetting of operation and slow-down parameters | Adjustable slow-downs | Electronic torque adjustment for motor on 5 levels |

**With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



### E.LOCK

230 Vac vertical electric lock, supplied with counterplate.



### E.LOCKSE

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



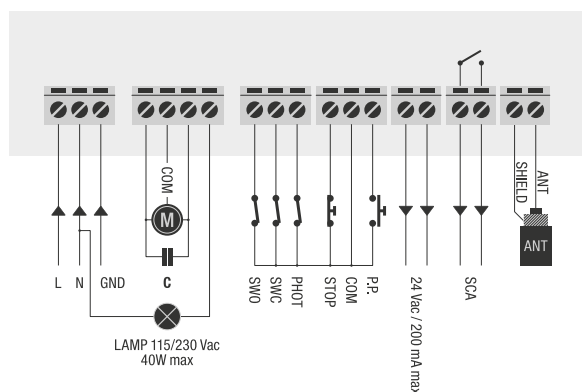
### DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.





# MATRIX



## APPLICATION

1 operator for sliding gate or 1 swing gate

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

230 Vac / 1000 W

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Input for N.C or 8K2 sensitive edge | Photocell input (PHOT O) programmable as active in opening-closing and in closing phases | Photocell input (PHOT C) programmable as active in opening-closing phases | Outputs configurable as gate open indicator light, second radio channel, courtesy light, zone light, accessory test output, flashing light output, gate open alarm and NC input alarm | Autosetting of operating parameters (with motors equipped with encoder) | Electronic torque adjustment | Adjustable slow-downs | Electronic braking guarantees a precise stop even with heavy doors | Programming access password | Maintenance warning |

**With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



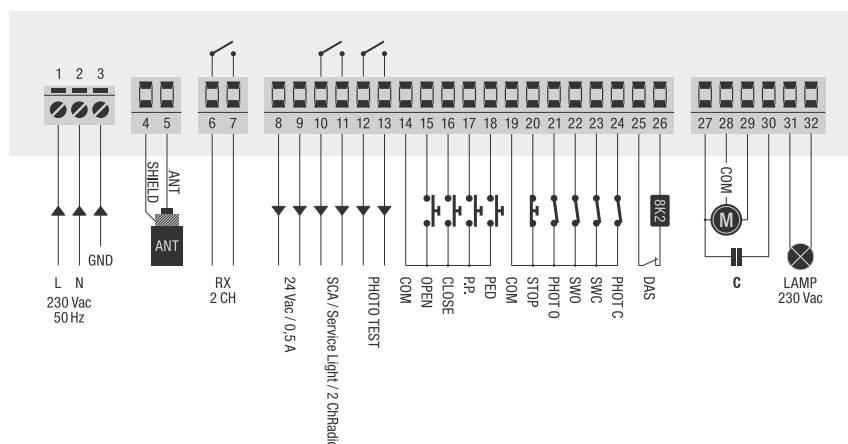
### DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.





# LOGICA



**APPLICATION**

1 or 2 operators for tilt up doors

**CONTROL UNIT POWER SUPPLY**

230 Vac - 50/60 Hz

**MOTORS POWER SUPPLY**

230 Vac / 300 W + 300 W

**MAIN FUNCTIONS**

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with ARC | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Separate opening and closing limit switches inputs for each motor | Separate limit switch inputs for one motor | Close, step by step and stop inputs | Input for N.C or 8K2 sensitive edge | Photocell input programmable as active in opening-closing or in closing phases | Output configurable as open gate indicator, second radio channel or photocell testing output | Output for flashing light connection | Output for 24 Vdc service light | Electromechanical torque adjustment on 4 levels | Autosetting of operation and slow-down parameters | Adjustable slow-downs | Number of maneuvers | Programming access password | Maintenance warning | **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



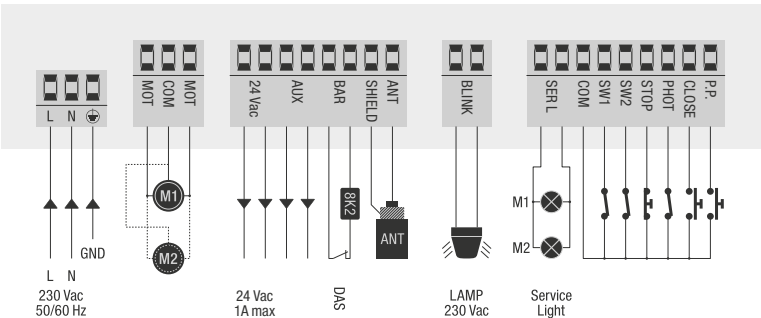
**KPO**  
Set of 2 green push buttons (N.O.) and front cover for Box LB.



**KPC**  
Set of 2 push buttons (green-N.O. and red-N.C.) and front cover for box LB.



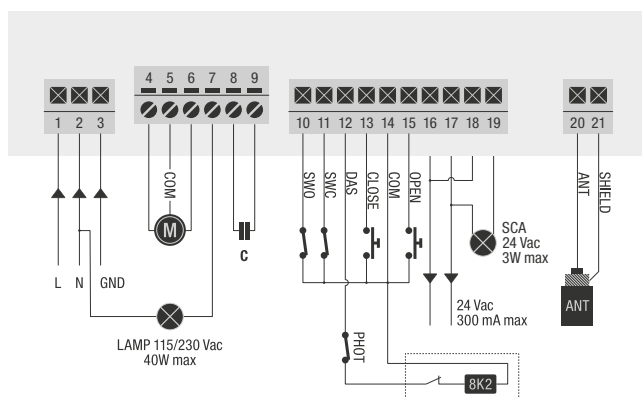
**SE.MODULE**  
Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.



Parameter and operation logic regulations through trimmers and dip-switches | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Input for N.C or 8K2 sensitive edge or photocell | Inputs for buttons to open, programmable as step by step, and close | Output for gate open indicator | Output for connecting flashing light | Electronic torque adjustment for motor on 5 levels | **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.





# THINKY



## APPLICATION

1 operator for sectional doors and rolling doors, folding doors with more than two sections, unbalanced shutters and industrial sliding gates

## CONTROL UNIT POWER SUPPLY

230 Vac single-phase or 400 Vac three-phase

## MOTORS POWER SUPPLY

230 Vac / 800W or 400 Vac / 2200W

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with ARC and designed for plug-in radio receiver | Autosetting of operating parameters with motors equipped with absolute encoder (VN "ESW" motors) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Open, close, step by step, pedestrian and stop inputs | Inputs for 4 pairs of photocells (configurable as active in opening-closing or in closing phases) and equipped with PHOTO TEST logic | Input for N.C or 8K2 sensitive edge | Input for safety sensor | Output configurable as gate open indicator, second radio channel, service light and area light | Output configurable as gate open indicator or photocell testing output | Output for connecting flashing light | Number of maneuvers | Programming access password | Maintenance warning |

**With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826 (only on 230 Vac single-phase mains)**



### DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



### ONE.2WI

433.92 MHz receiver with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.



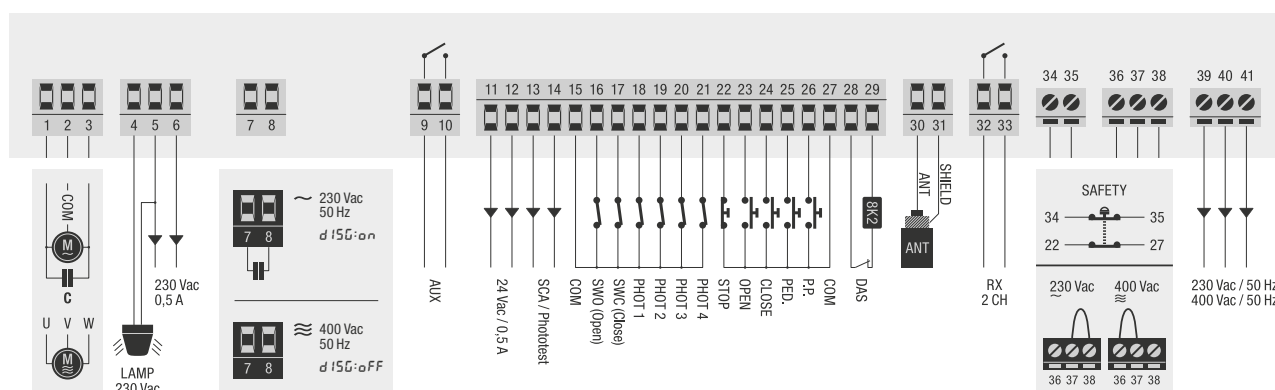
### THINKY.P

THINKY control units with open, close, stop buttons incorporated in the control unit.



### THINKY.I

THINKY control unit with self-holding open, close and stop buttons and tri-pole switch with door lock incorporated into the control unit.







# START

### APPLICATION

1 operator for sectional doors and rolling doors, folding doors with more than two sections, unbalanced shutters and industrial sliding gates

### CONTROL UNIT POWER SUPPLY

230 Vac single-phase or 400 Vac three-phase

### MOTORS POWER SUPPLY

230 Vac / 900 W or 400 Vac / 2200 W

### MAIN FUNCTIONS

Only deadman's logic operation | Fixed terminal boards | Motor limit switch inputs | Open, close and stop inputs | Open and close buttons integrated into the control unit | Output for connecting flashing light and auxiliary condenser for starting the motor



#### DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



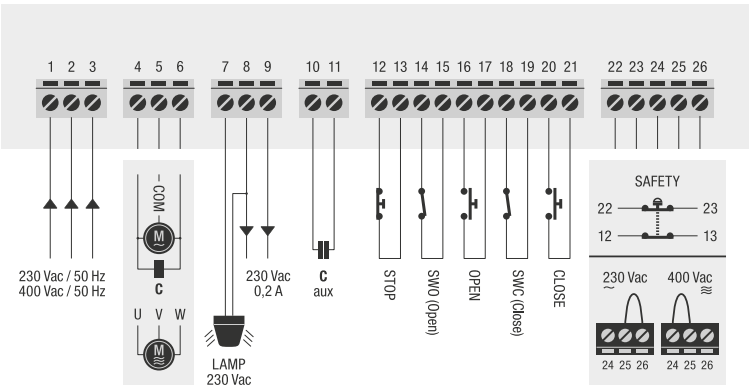
#### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.



#### START.I

START control unit with self-holding open, close and stop buttons and tri-pole switch with door lock incorporated into the control unit.







# BUFFALO DRIVE



## APPLICATION

1 operator for sliding gates BUFFALO160 OTI SC

## CONTROL UNIT POWER SUPPLY

230 Vac single-phase

## MOTORS POWER SUPPLY

△ 230 Vac / 750 W three phase with inverter

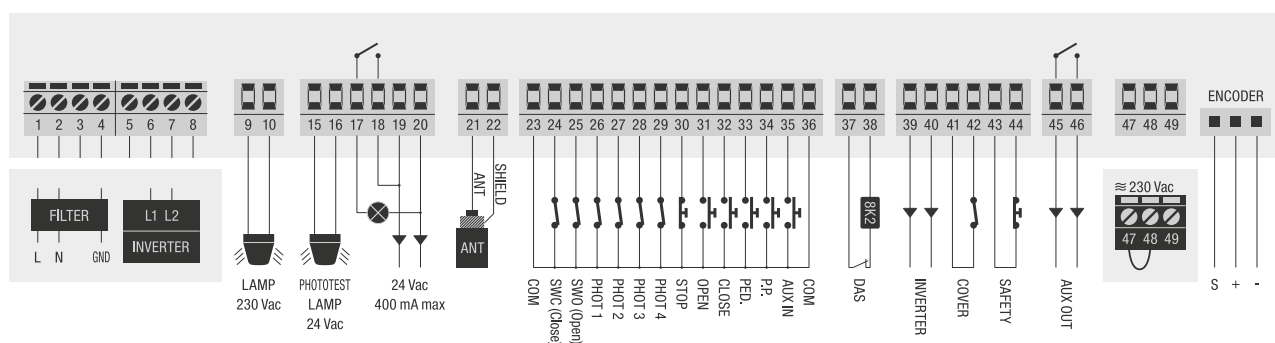
## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Mechanical ventilation | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Inputs for 4 pairs of photocells (programmable as active in opening-closing and in closing phases) and equipped with PHOTO TEST logic | Input for N.C or 8K2 sensitive edge | Input for safety sensor | Outputs configurable as gate open indicator light, second radio channel, courtesy light, zone light, accessory test output, flashing light output, gate open alarm and NC input alarm | Autosetting of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking guarantees a precise stop even with heavy doors | Number of maneuvers | Programming access password | Maintenance warning



## DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



# BRAINY24<sup>PLUS</sup>



## APPLICATION

1 or 2 operators for swing gates, opposed sliding gates, and industrial folding doors with a maximum of 2 sections

## CONTROL UNIT POWER SUPPLY

115 or 230 Vac (selectable) 50/60Hz

## MOTORS POWER SUPPLY

24 Vdc / 240 W + 240 W

## MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz  
64 codes and 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code | Removable terminal boards | Separate limit switch inputs for each motor | Open, close, step-by-step and pedestrian inputs | Separate opening-closing and closing photocell inputs | Stop input | Input for N.C. or 8K2 sensitive edge | Encoder input for hydraulic and electromechanical motors | Configurable output for 12/24 Vdc electric lock | 2 outputs configurable as open gate indicator, second radio channel, courtesy light, zone light or photocell testing, flashing light, open gate alarm, NC input alarm | Output for connecting flashing light | Autoset of operating parameters | Separate electronic torque adjustment for each motor | Separate electronic speed adjustment for each motor | Anti-crushing safety through amperometric detection and encoder management | Separate slowdowns for each motor in opening and closing phases | Designed for connection of X.BE (KNX) and Q.BE (MQTT) accessories | Configuration, diagnostics, firmware update, and remote control management via the BeUP app, using the PRO.UP accessory | Number of manoeuvres | Programming access password | Maintenance warning | Built-in battery charger | **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



### DU.V96

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



### DU.V90

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



### DU.9990

Covering plate for DU.V90.



### BRAINY24.CB-SW

Accessory equipped with 1.2 Ah batteries and support bracket.



### X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



### Q.BE

Electronic interface board between systems using the MQTT protocol and Benincà automations.



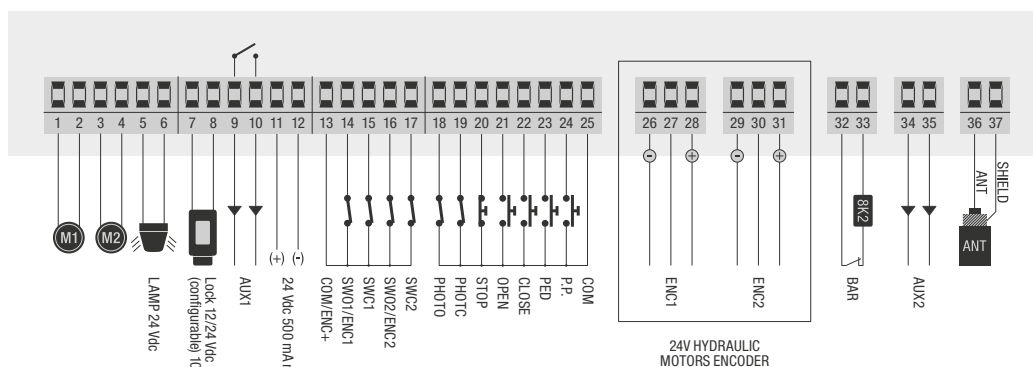
### PRO.UP

Interface for remote programming and diagnostics.



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.





# BRAINY24



## APPLICATION

1 or 2 operators for swing gates, opposed sliding gates, and industrial folding doors with a maximum of 2 sections

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 120 W + 120 W

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Separate limit switch inputs for each motor | Open, close, and pedestrian inputs | Photocell inputs in opening-closing and in closing phases | Input for N.C. or 8K2 sensitive edge | Configurable output for 12/24 Vdc electric lock | Configurable outputs for gate open indicator light, second radio channel, courtesy light, zone light, accessory test output, flashing light output, gate open alarm and NC input alarm | Autosetting of operating parameters | Separate electronic torque adjustment for each motor | Anti-crushing safety through amperometric detection and encoder management | Separate adjustable slowdowns for each motor in opening and closing phases | Number of maneuvers | Programming access password | Maintenance warning |

**With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



### DU.V96

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



### DU.V90

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



### DU.9990

Covering plate for DU.V90.



### BRAINYY24.CB

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.



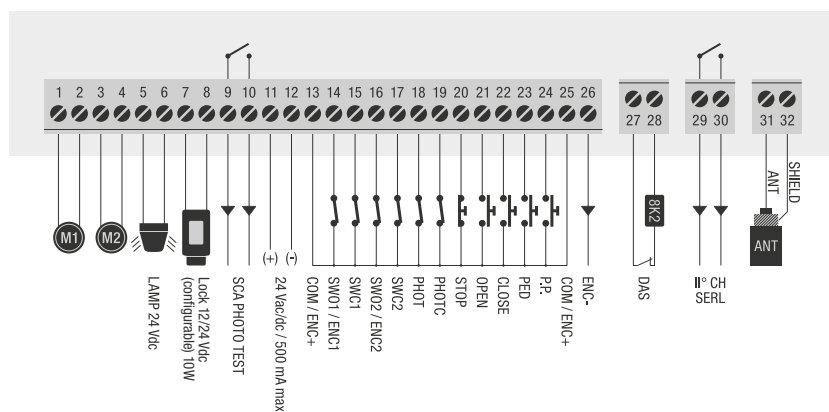
### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.



### BRAINY24.P

BRAINY24 control units with open, close, stop buttons incorporated in the control unit.



# TRUST24



## APPLICATION

1 or 2 operators for swing gates

## CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 130 W + 130 W

## MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz  
512 codes with ARC coding | Removable terminal boards |  
Separate limit switch inputs for each motor | Automatic,  
semi-automatic and Deadman logic | Separate encoder inputs  
for each motor | Open, close, step-by-step and pedestrian inputs  
| Input for programmable photocell active in opening-closing and  
photocell active only in closing | Input for N.C. or 8k2 sensitive  
edge | Output for 12/24 Vdc electric lock, configurable |  
Two outputs configurable as open gate signal light, courtesy light,  
zone light, second radio channel, photocell testing, flashing light,  
alarm contact | Autoset operating parameters | Anti-crushing  
safety through amperometric detection and encoder management  
| Separate electronic torque adjustment for each motor, with  
automatic calculation for each point of the stroke (STC SYSTEM)  
| Separate adjustable slowdowns for each motor | Possibility  
of encoder- or time-based operation (managed through virtual  
encoder) even independently between the two motors | Built-in  
energy saving system ESA+ | Designed for connection of X.BE  
(KNX) and Q.BE (MQTT) accessories | Configuration, diagnostics,  
firmware update, and remote control management via the BeUP  
app, using the PRO.UP accessory | Number of manoeuvres |  
Programming access password | Maintenance warning |  
Built-in battery charger | **Standby power consumption  
complies with European Regulation (EU) 2023/826**



### DA.BT2

2.1 Ah 12 Vdc  
Battery.

### DA.BT6

7 Ah 12 Vdc  
Battery.



### X.BE

Electronic  
interface board  
between the KNX  
communication  
system and  
Benincà  
automation  
devices.



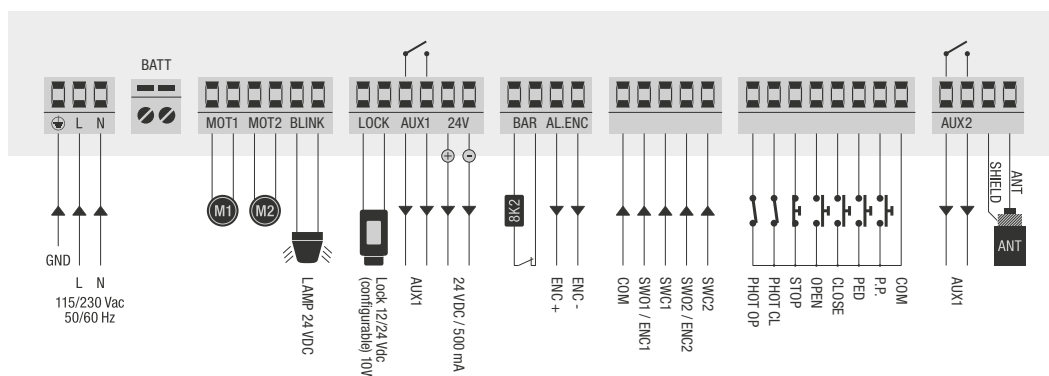
### Q.BE

Electronic interface  
board between  
systems using the  
MQTT protocol  
and Benincà  
automations.



### PRO.UP

Interface  
for remote  
programming  
and diagnostics.





# TILTY24



## APPLICATION

1 or 2 operators for tilt up doors

## CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 130 W + 130 W

## MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz 64 codes with ARC coding | Removable terminal boards | Automatic, semi-automatic and Deadman logic | Encoder input | Step-by-step and stop inputs | Photocell input settable as input for N.C. or 8K2 sensitive edge | Two inputs configurable as open, close, photocell in opening-closing, photocell in closing, opening and closing limit switch for the second motor | Limit switch input | Separate power supply output for each motor | Output for 24 Vdc flashing light | 24 Vdc auxiliary output max 500mA | Output (230 Vac 10A max) configurable as open gate signal light, courtesy light, zone light, second radio channel, photocell testing, flashing light, open gate alarm, NC input alarm | 24 Vdc service light output | Autoset operating parameters | Separate electronic adjustments of opening and closing speeds | Anti-crushing safety through amperometric detection and encoder management | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Adjustable slowdowns in opening and closing | Built-in energy saving system ESA+ | Designed for connection of X.BE (KNX) and Q.BE (MQTT) accessories | Configuration, diagnostics, firmware update, and remote control management via the BeUP app, using the PRO.UP accessory | Number of manoeuvres | Programming access password | Maintenance warning | Built-in battery charger, compatible with 2 batteries 12V 1.2Ah |

**Standby power consumption complies with European Regulation (EU) 2023/826**



### BRAINNY24.CB-SW

Accessory equipped with 1.2 Ah batteries and support bracket.



### X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



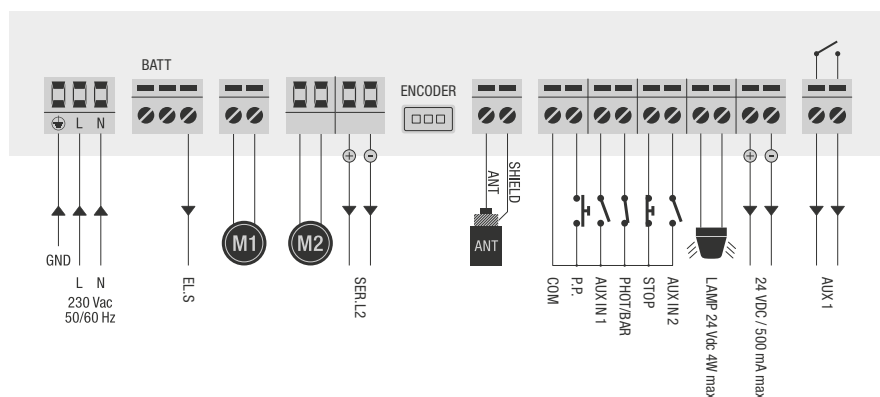
### Q.BE

Electronic interface board between systems using the MQTT protocol and Benincà automations.



### PRO.UP

Interface for remote programming and diagnostics.





# LOGICA24



## APPLICATION

1 or 2 operators for tilt up doors

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 80 W + 80 W

## MAIN FUNCTIONS

Parameter and operation logic regulations through trimmers and dip-switches | Integrated 433.92 MHz 64-code radio receiver with ARC coding | Removable terminal boards | Automatic and semi-automatic logic | Motor limit switch inputs | Inputs for open, close, stop, step by step and photocell | N.C or 8K2 sensitive edge input | Open gate indicator output | 24 Vac/dc courtesy light output | Output for connecting flashing light | Electronic torque adjustment | Anti-crushing system with amperometric detection | Fixed slow-downs |

**With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



### KPO

Set of 2 green push buttons (N.O.) and front cover for Box LB.



### KPC

Set of 2 push buttons (green-N.O. and red-N.C.) and front cover for box LB.



### CBY.24V

Battery charger card. The CBY.24V card allows charging two different types of nickel metalhydrate and lead batteries.



### DA.BT2

2.1 Ah 12 Vdc Battery.

### DA.BT6

7 Ah 12 Vdc Battery.



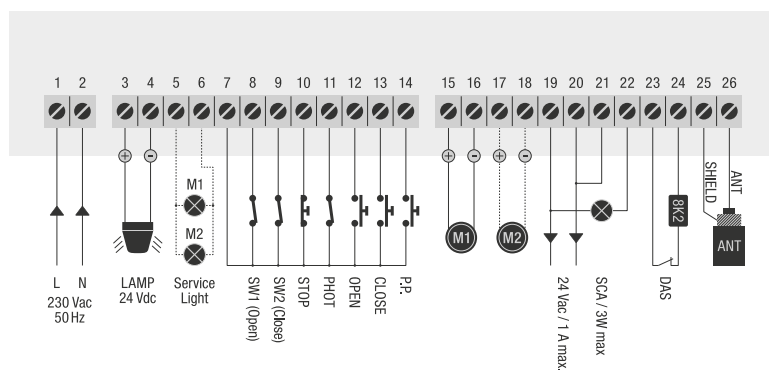
### XLB.CB

Battery box fitted with universal bracket and cables. IP54.



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.





# DA.SO4 + DA.E

## APPLICATION

from 1 to 4 parking space barrier VE.SOR

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 20 W

## DA.SO4 | MAIN FUNCTIONS

Designed for plug-in radio receiver | Designed for DA.RB battery charger | Fixed terminal boards | Auxiliary output 24 Vdc max 1 A | Designed for quick connection of max 4 DA.E command modules | Antenna input

## DA.E | MAIN FUNCTIONS

Step by step input | Semi-automatic operation logic | Electronic torque regulation with trimmer | Fixed terminal boards



### DA.RB

Battery charger card for DA.SO4.



### DA.BT2

2.1 Ah 12 Vdc Battery.

### DA.BT6

7 Ah 12 Vdc Battery.



### XLB.CB

Battery box fitted with universal bracket and cables. IP54.



### ONE.2WI

433.92 MHz receiver with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.

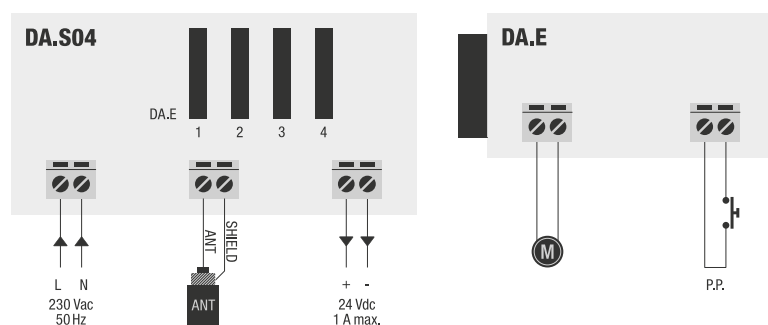


### ONE.4WB

4-channel receiver with wide range power supply (115-230 Vac/dc) and triple coding: Advanced Rolling Code, Rolling Code and Fixed code.



DA.E





# COMPARISON TABLE

## EXTERNAL CONTROL UNITS

	BRAINY PLUS	BRAINY	HEADY	CORE	MATRIX	LOGICA	CELL.P	THINKY	START	BUFFALO DRIVE	BRAINY24 PLUS	BRAINY24	TRUST24	TILTY24	LOGICA24	DA.S04 + DA.E
<b>CONTROL UNITS FEATURES</b>																
motors power supply 24 Vdc											•	•	•	•	•	•
motors power supply 24 Vdc BRUSHLESS 3PH																
motors power supply 230 Vac	•	•	•	•	•	•	•	•	•	•						
motors power supply 400 Vac								•	•							
<b>INPUTS</b>																
step by step input	•	•	•	•	•	•	*	•		•	•	•	•	•	•	•
open input	•	•	*	*	•	*	•	•	•	•	•	•	•	•	•	
close input	•	•	*	*	•	•	•	•	•	•	•	•	•	•	•	
pedestrian opening input	•	•	•	*	•			•		•	•	•	•			
photocell input in opening phase	•	•	*	*	•	*		•		•	•	•	•	*		
photocell input in closing phase	•	•	•	•	•	•	•	•		•	•	•	•	•	•	
stop input	•	•	•	•	•	•		•	•	•	•	•	•	•	•	
conductive safety input	**	•			•	•	•	•		•	•	•	•	*	•	
limit switch input open/close for motor 1	•	•		•	•	•	•	•	•	•	•	•	•	•	•	
limit switch input open/close for motor 2	•	•									•	•	•	*		
input for safety sensor								•	•	•						
<b>OUTPUTS</b>																
motor 1 output	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
motor 2 output	•	•	•			•					•	•	•	•	•	
flashing light output	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
12/24 Vdc electric lock output	•	•									•	•	•			
auxiliary output for optional electric-lock card			•											•		
24 Vac/dc accessory power supply output	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•
gate open indicator	•	•	•	•	•	•	•	•		•	•	•	•	*	•	
photocell power supply output with phototest	*	*	*		•	*		*		*	*	*	*	*		
2nd radio channel output	•	•	•		*	*		•		•	•	*	•	•		
courtesy light and/or zone light output	•	•	•		*	•		•		*	*	•	*	*	•	
TCA alarm output / n.c. inputs	•	*									*		*	*		
<b>ADJUSTMENTS</b>																
self adjustment of working parameters	•	•		•	•	•		•		•	•	•	•	•		
<b>OTHER CHARACTERISTICS</b>																
adjustments via trimmer and dip-switch				•			•								•	
adjustments via integrated display	•	•	•		•	•		•		•	•	•	•	•		
diagnostic LEDS				•			•		•						•	
input diagnostics via integrated display	•	•	•		•	•		•		•	•	•	•	•		
433.92 MHz receiver only with ARC coding						•		•					•	•	•	
number of transmitters that can be memorised	512	64	64	64	64	64	64	64	0	64	64	64	512	64	64	0
encoder management	•	•		•	•	•		•		•	•	•	•	•		
virtual encoder management											•		•			
inverter management										•						
pro.UP, MQTT and KNX interface management	•										•		•	•		
automatic deactivation of accessories in stand-by mode	•												•	•		
built-in ESA+	•												•	•		
prepared for backup battery												•			•	•
built-in battery charger											•		•	•		

\* functions that can be activated as an alternative to the default functions  
\*\* 2 configurable EDGE inputs for MOTOR1 and one EDGE input for MOTOR2





# CP.BULL6-SE



## APPLICATION

1 operator for sliding gates, series BULL6M SE.S and BULL6MLT SE

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

230 Vac / 9 A

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with ARC | Removable terminal boards | Automatic, semi-automatic and dead man's logic | Motor limit switch inputs | Photocell input (PHO) active in both opening and closing | Photocell input (PHC) active only in closing | Input for N.C. or 8K2 sensitive edge | OPEN input configurable as pedestrian | Two outputs configurable as gate open indicator light, courtesy light, area light, second radio channel, photocell test, flashing light, alarm contact | Output for flashing light connection | Auto-set operating parameters | Separate electronic adjustments for opening and closing speeds | Adjustable slowdowns | Integrated ESA+ for energy saving | Designed for the operation of opposed sliding gates through SIS synchronisation board (optional) | Designed for connection of X.BE (KNX) and Q.BE (MQTT) accessories | Configuration, diagnostics, firmware update, and radio control management via the BeUP app, using the PRO.UP accessory | Number of operations | Programming access password | Maintenance warning |

**Standby power consumption complies with European Regulation (EU) 2023/826**



### SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.



### MAG.E

Magnetic sensor device to detect obstacles and manage deceleration.



### X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



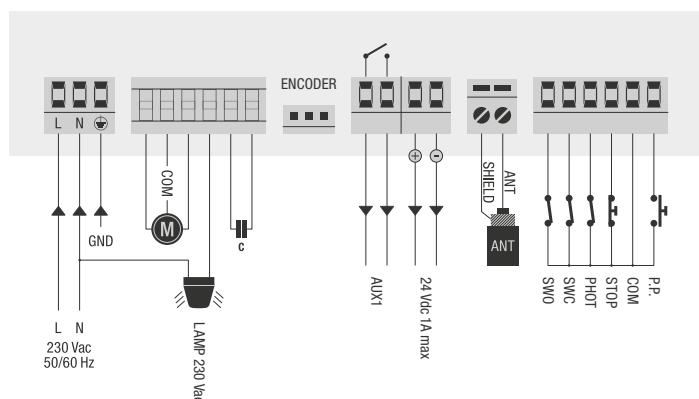
### Q.BE

Electronic interface board between systems using the MQTT protocol and Benincà automations.



### PRO.UP

Interface for remote programming and diagnostics.



# CP.BULL8-OM



## APPLICATION

1 operator for sliding gates, series BULL8M and BULL8 OM

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

230 Vac / 750 W

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Step-by-step input configurable as open, pedestrian input configurable as close, stop input | Pedestrian, step by step and stop inputs | Photocell input (PHOT O) programmable as active in opening-closing and in closing phases | Photocell input (PHOT C) programmable as active in opening-closing phases | Input for N.C or 8K2 sensitive edge | Configurable outputs for gate open indicator light, second radio channel, courtesy light, zone light, accessory test output, flashing light output, gate open alarm, and NC input alarm | Autosetting of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking | Number of maneuvers | Programming access password |

**With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



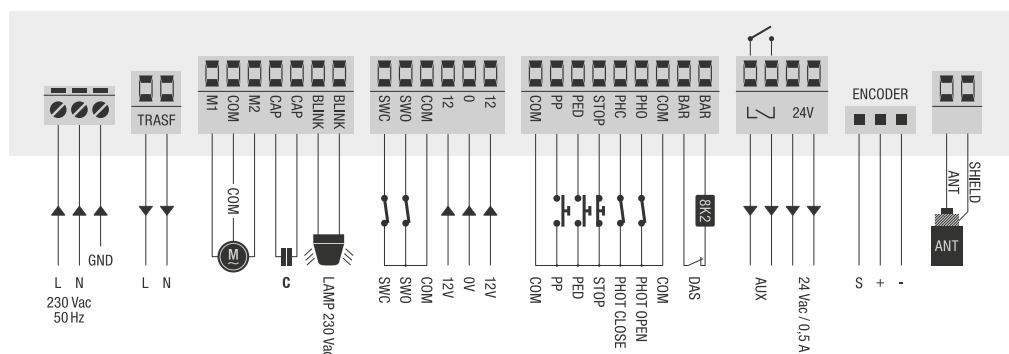
### DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.





# CP.BULL-RI



## APPLICATION

1 operator for sliding gates,  
series BULL10M, BULL15M and BULL20M

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

230 Vac / 1000 W

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Photocell input (PHOT O) programmable as active in opening-closing and in closing phases | Photocell input (PHOT C) programmable as active in opening-closing phases | Input for N.C or 8K2 sensitive edge | Configurable outputs for gate open indicator light, second radio channel, courtesy light, zone light, accessory test output, flashing light output, gate open alarm, and NC input alarm | Autosetting of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking guarantees a precise stop even with heavy doors | Number of maneuvers | Programming access password | Maintenance warning | **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



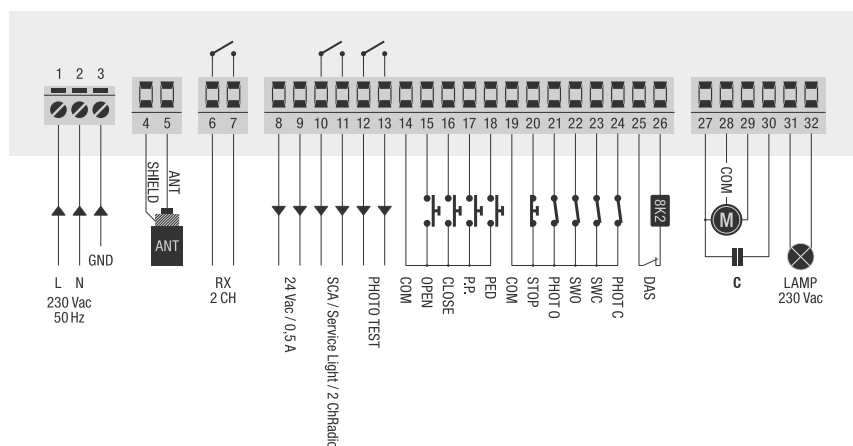
### DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.



# CP.BULL-REV



## APPLICATION

1 operator for sliding gates, series BULL HE REVERSE

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

230 Vac / 1000 W

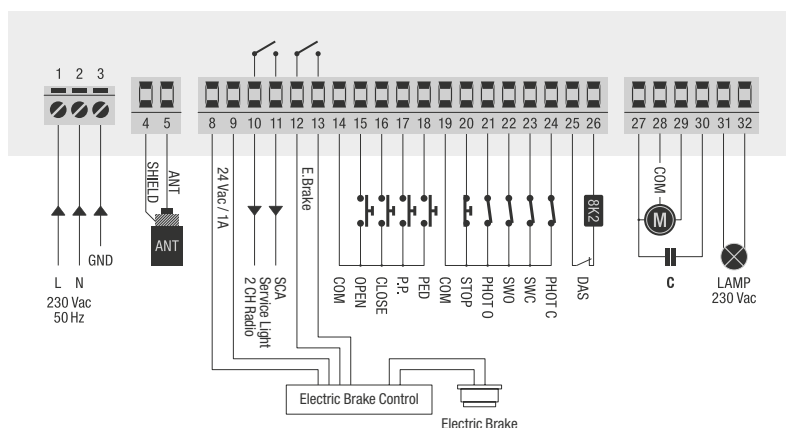
## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-codes radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and Deadman logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Photocell input (PHOTO) programmable as active in opening-closing and in closing phases | Photocell input (PHOT C) programmable as active in opening-closing phases | Input for N.C or 8K2 sensitive edge | Configurable outputs for gate open indicator light, second radio channel, courtesy light, zone light, accessory test output, flashing light output, gate open alarm, and NC input alarm | Autoset of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking guarantees a precise stop even with heavy doors | Number of manoeuvres | Programming access password | Maintenance warning



## DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





# CP.BULL20-HE



## APPLICATION

1 operator for sliding gates, series BULL20 HE

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

230 Vac / 1000 W

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Photocell input (PHOT O) programmable as active in opening-closing and in closing phases | Photocell input (PHOT C) programmable as active in opening-closing phases | Input for N.C or 8K2 sensitive edge | Configurable outputs for gate open indicator light, second radio channel, courtesy light, zone light, accessory test output, flashing light output, gate open alarm, and NC input alarm | Autosetting of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking guarantees a precise stop even with heavy doors | Number of maneuvers | Programming access password | Maintenance warning | **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



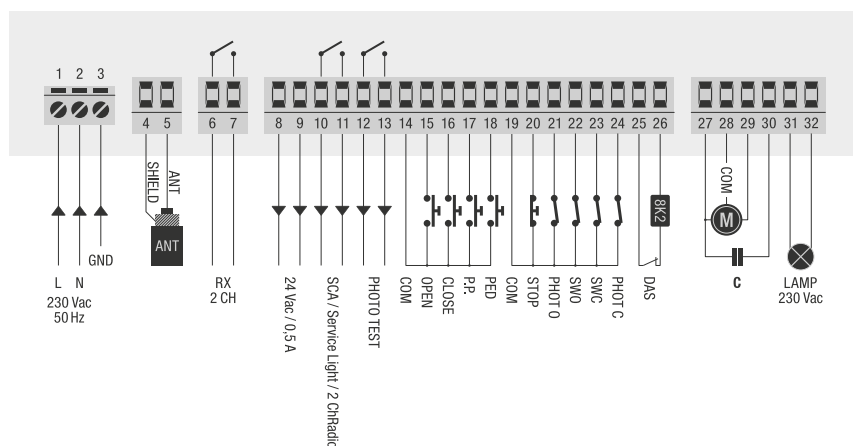
### DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.



# CP.BULL OMI



## APPLICATION

1 operator for sliding gates, series BULL17 OMI

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

230 Vac / 1000 W

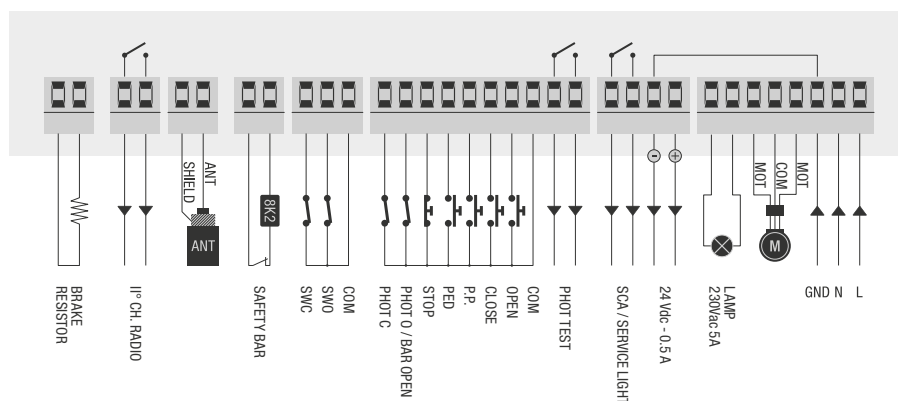
## MAIN FUNCTIONS

Integrated LCD display | ONE2.WI model 433.92 MHz radio receiver provided as standard equipment | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Step by step, open, close, pedestrian and stop inputs | no. 2 photocell inputs configurable as active in opening-closing or in closing phases | Input for N.C or 8K2 sensitive edge | Input for safety sensor | Output configurable as gate open indicator, service light, area light | Photocell testing output | Output for connecting flashing light | Second radio channel output | Autosetting of operating parameters | Electronic motor torque adjustment | Anti-crushing safety thanks to amperometric obstacle detection | Adjustable slow-downs | Integrated inverter | Virtual encoder | Number of maneuvers | Programming access password | Maintenance warning



## DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).







# CP.BISON OTI



## APPLICATION

1 operator for sliding gates,  
series BISON25 OTI, BISON35 OTI and BISON45 OTI

## CONTROL UNIT POWER SUPPLY

230 Vac single-phase or 400 Vac three-phase

## MOTORS POWER SUPPLY

230 Vac / 750 W three phase with inverter  
or 400 Vac / 1500 W three phase with inverter

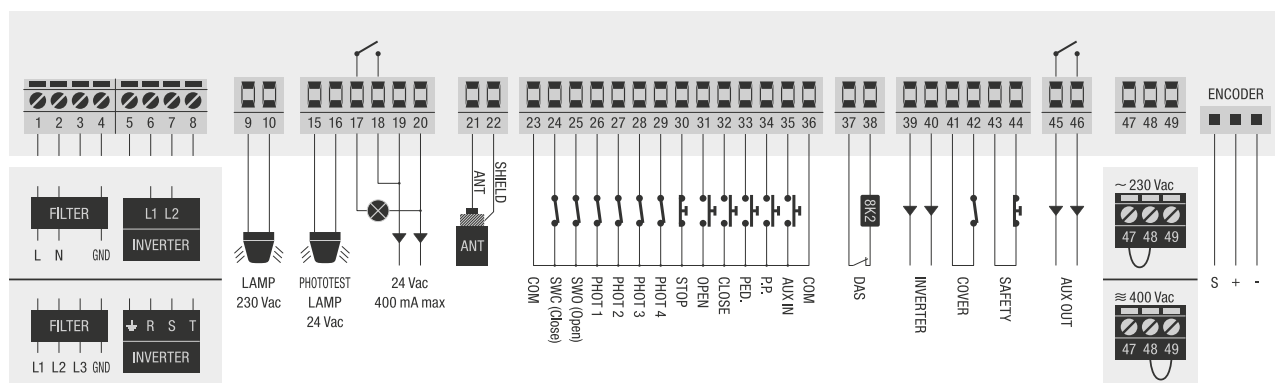
## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Inputs for 4 pairs of photocells (programmable as active in opening-closing and in closing phases) and equipped with PHOTO TEST logic | Input for N.C or 8K2 sensitive edge | Input for safety sensor | Designed for inverter connection | Output for gate open indicator | Output configurable for service light, area light or second radio channel | Photocell testing output | Output for connecting flashing light | Autosetting of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking guarantees a precise stop even with heavy doors | Number of maneuvers | Programming access password | Maintenance warning



## DA.2S

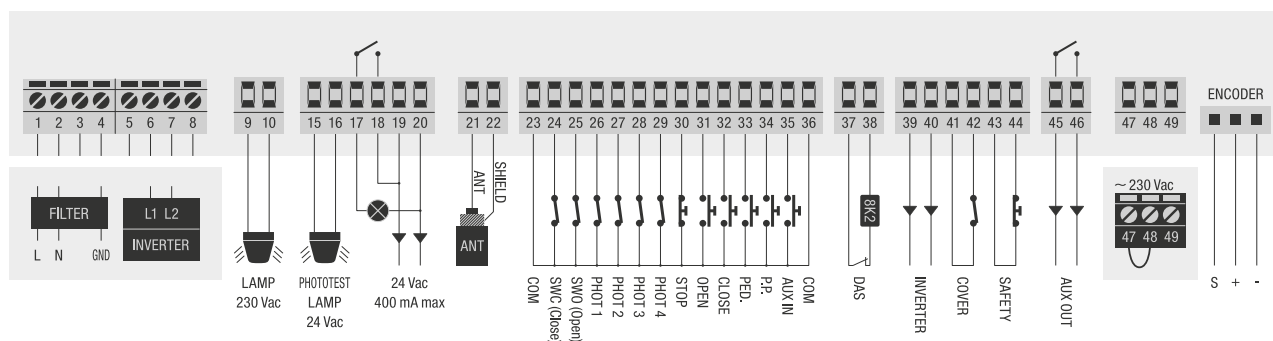
Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).







Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





# CP.BUFFALO OTI



## APPLICATION

1 operator for sliding gates BUFFALO160 OTI

## CONTROL UNIT POWER SUPPLY

230 Vac single-phase

## MOTORS POWER SUPPLY

△ 230 Vac / 750 W three phase with inverter

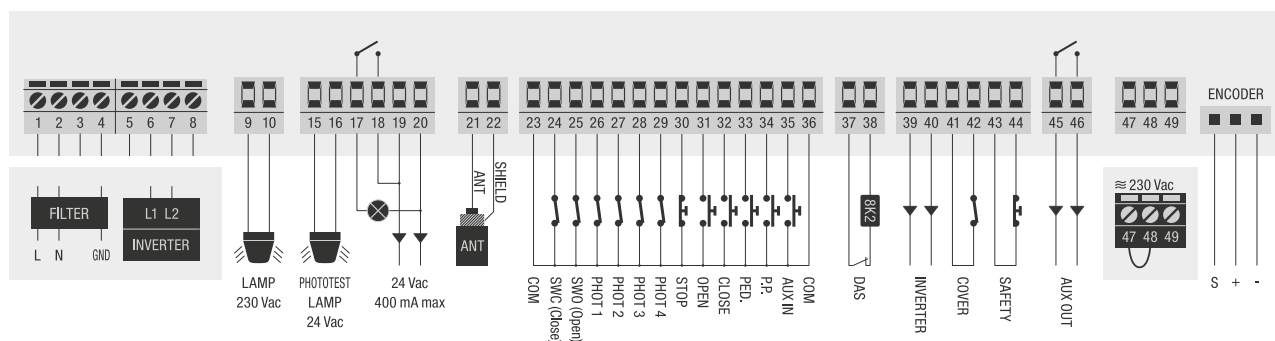
## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Inputs for 4 pairs of photocells (programmable as active in opening-closing and in closing phases) and equipped with PHOTO TEST logic | Input for N.C or 8K2 sensitive edge | Input for safety sensor | Configurable outputs for gate open indicator light, second radio channel, courtesy light, zone light, accessory test output, flashing light output, gate open alarm, and NC input alarm | Autosetting of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking guarantees a precise stop even with heavy doors | Number of maneuvers | Programming access password | Maintenance warning



## DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



# CP.YAK OTI



## APPLICATION

1 operator for sliding gates, series YAK25 OTI

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

230 Vac / 1000 W three phase with inverter

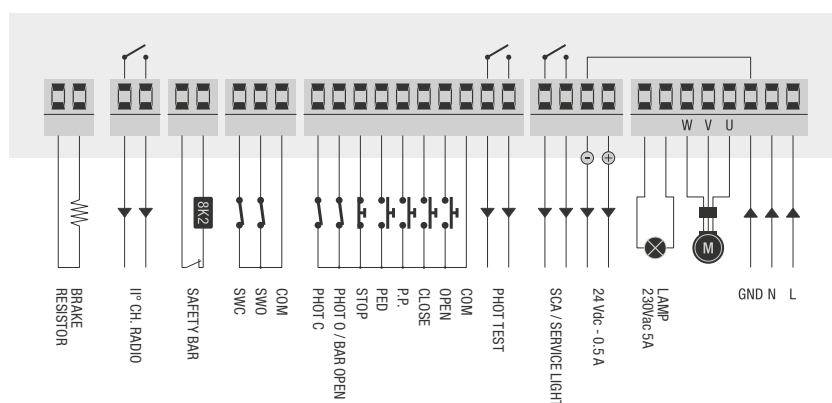
## MAIN FUNCTIONS

Integrated LCD display | ONE2.WB model 433.92 MHz radio receiver provided as standard equipment | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Step by step, open, close, pedestrian and stop inputs | no. 2 photocell inputs configurable as active in opening-closing or in closing phases | Input for N.C or 8K2 sensitive edge | Input for safety sensor | Output configurable as gate open indicator, service light or area light | Photocell testing output | Second radio channel output | Output for connecting flashing light | Autosetting of operating parameters | Electronic motor torque adjustment | Anti-crushing safety thanks to amperometric obstacle detection | Adjustable slow-downs | Integrated inverter | Virtual encoder | Number of maneuvers | Programming access password | Maintenance warning



## DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





# CP.ZED-AUTR



### APPLICATION

1 or 2 operators series ZED.RIE, ZED.LRIE

### CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

### MOTORS POWER SUPPLY

230 Vac / 300 W + 300 W

### MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with ARC | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Separate opening and closing limit switches inputs for one motor | Close, step by step and stop inputs | Input for N.C or 8K2 sensitive edge | Photocell input programmable as active in opening-closing or in closing phases | Outputs for 24 Vdc service light | Electromechanical torque adjustment on 4 levels | Autosetting of operation and slow-down parameters | Adjustable slow-downs | Number of maneuvers | Programming access password | Maintenance warning |  
**With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



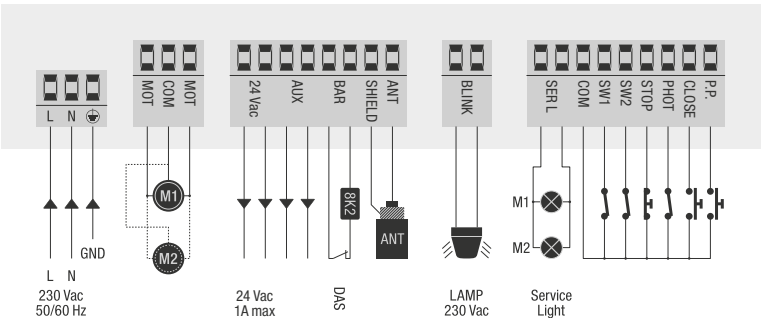
### MAG.E

Magnetic sensor device to detect obstacles and manage deceleration.



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.





# UP.VN

**APPLICATION**

1 operator for industrial doors,  
series VN.M20 UP, VN.M40 UP, VN.S20 UP, VN.S40 UP

**CONTROL UNIT POWER SUPPLY**

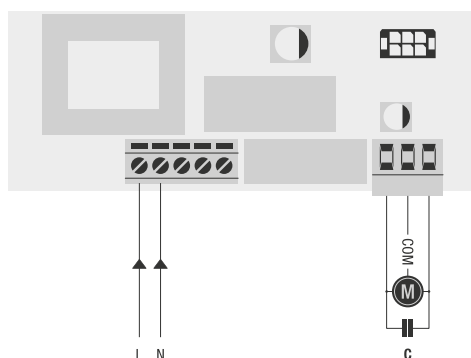
230 Vac - 50/60 Hz

**MOTORS POWER SUPPLY**

230 Vac / 1500 W max

**MAIN FUNCTIONS**

Deadaman's operating logic | Removable terminal boards |  
Separate inputs for OPEN and CLOSE commands in very  
low safety voltage 12 Vdc | Inputs diagnostics through LED





# CP.SAM



## APPLICATION

2 operator for swing gates, series SAM

## CONTROL UNIT POWER SUPPLY

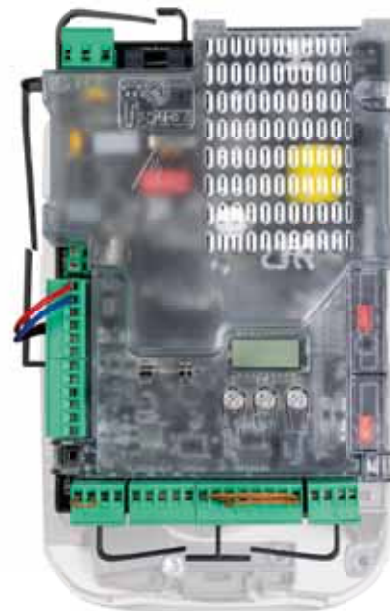
100 ÷ 250 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 5.5 A + 5.5 A

## MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz  
512 codes with ARC coding | Removable terminal boards | Automatic, semi-automatic and Deadman logic | Separate encoder inputs for each motor | Open, close, step-by-step and pedestrian inputs | Input for active photocell in opening-closing and active photocell only in closing | Input for N.C. or 8K2 sensitive edge | Output for 12/24 Vdc electric lock, configurable | Two outputs configurable as open gate signal light, courtesy or zone light, second radio channel, photocell testing, flashing light, alarm contact | Autoset of operating parameters | Separate electronic torque adjustment for each motor | Anti-crushing safety through amperometric detection and encoder management | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Separate adjustable slowdowns for each motor | Possibility of encoder- or time-based operation (managed through virtual encoder) even independently between the two motors | Built-in energy saving system ESA+ | Designed for connection of X.BE (KNX) and Q.BE (MQTT) accessories | Configuration, diagnostics, firmware update, and remote control management via the BeUP app, using the PRO.UP accessory | Number of manoeuvres | Programming access password | Maintenance warning | Built-in battery charger, compatible with 2 batteries 12V 1.2Ah | **Standby power consumption complies with European Regulation (EU) 2023/826**



### SAM.BAT

1.2 Ah battery kit with bracket and cable.



### X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



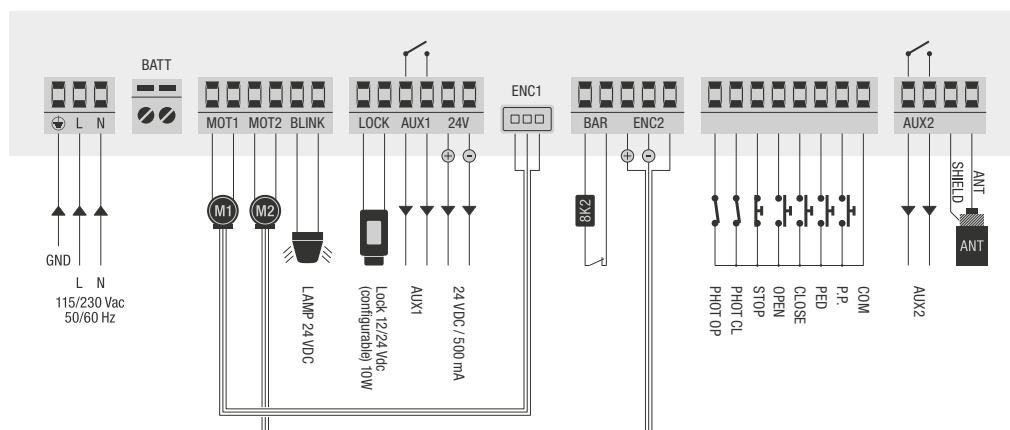
### Q.BE

Electronic interface board between systems using the MQTT protocol and Benincà automations.



### PRO.UP

Interface for remote programming and diagnostics.





# CP.B24-SW



**Functions available with BeUP**

## APPLICATION

1 operator for sliding gates, series BULL424SW e BULL624SW

## CONTROL UNIT POWER SUPPLY

115 or 230 Vac (selectable) 50/60Hz

## MOTORS POWER SUPPLY

24 Vdc / 8 A

## MAIN FUNCTIONS

Parameter and operation logic regulations through trimmers, dip-switches and buttons | Integrated 433.92 MHz 64-codes radio receiver with ARC coding | Fixed terminal boards | Automatic, semi-automatic and Deadman logic | Motor limit switch inputs | Step by step, stop and photocell inputs | Photocell input programmable as active in opening-closing and photocell active only in closing | Stop input configurable as pedestrian | Output configurable as open gate indicator or second radio channel | Autoset of operating parameters | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Separate electronic adjustments of opening and closing speeds | Anti-crushing safety through amperometric detection | Virtual encoder | Adjustable slowdowns | Built-in energy saving system ESA+ | Set up for connection to SW.CB battery charger (optional) | Designed for connection of X.BE (KNX) and Q.BE (MQTT) accessories | The use of the PRO.UP accessory and the BeUP app allows you to access advanced programming, check the number of operations and protect the control unit with a password, as well as providing diagnostic functions, firmware updates and radio control management | **Standby power consumption complies with European Regulation (EU) 2023/826**



### SW.CB

Accessory equipped with battery charger CB.SW and connection cables.



### X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



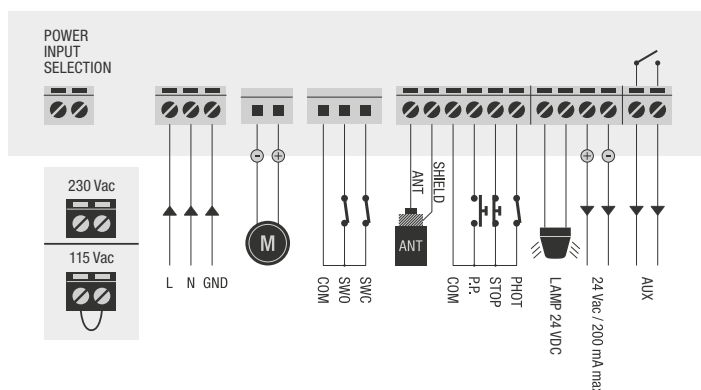
### Q.BE

Electronic interface board between systems using the MQTT protocol and Benincà automations.



### PRO.UP

Interface for remote programming and diagnostics.







# CP.B24 TURBO



## APPLICATION

1 operator for sliding gates, series BULL624/1224 TURBO

## CONTROL UNIT POWER SUPPLY

115 or 230 Vac (selectable) 50/60Hz

## MOTORS POWER SUPPLY

24 Vdc / 20 A

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 512-code radio receiver with ARC coding | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Step by step, open, close and stop inputs | Photocell input (PHO) configurable as active in opening-closing or only in closing phases | Photocell input (PHC) active both in opening and closing phases | Input for N.C or 8K2 sensitive edge | Input for safety sensor | Open and step-by-step inputs configurable as pedestrian | Two configurable outputs for gate open indicator light, second radio channel, courtesy light, zone light, accessory test output, flashing light output, gate open alarm and NC input alarm | Designed for the operation of opposed sliding gates through SIS synchronisation board (optional) | Designed for connection of X.BE (KNX) and Q.BE (MQTT) accessories | Configuration, diagnostics, firmware update, and remote control management via the BeUP app, using the PRO.UP accessory | Electronic torque adjustment with automatic calculation for each point in the stroke (STC SYSTEM) | Anti-crushing safety thanks to amperometric obstacle detection | Virtual encoder | Adjustable slow-downs | Number of maneuvers | Programming access password | Maintenance warning | Integrated battery charger, compatible with battery models DA.BT2/DA.BT6 |

**With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



### SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.



### BT2.BAT

1.2 Ah battery kit with bracket and cable.

### BT6.BAT

7 Ah battery kit with bracket and cable.



### BULL624T.CB BULL1224T.CB

Kit composed of cables and brackets for batteries installation.

**Pack of 5 pcs.**



### DA.BT2

2.1 Ah 12 Vdc Battery.

### DA.BT6

7 Ah 12 Vdc Battery.



### X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



### Q.BE

Electronic interface board between systems using the MQTT protocol and Benincà automations.



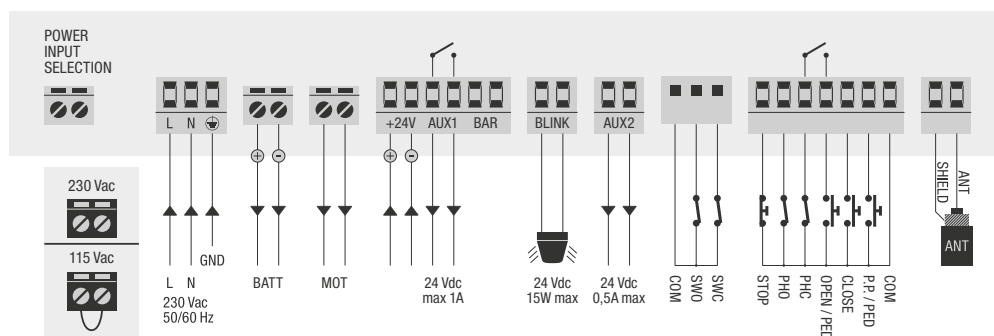
### PRO.UP

Interface for remote programming and diagnostics.



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.



# CP.B24-D120



## APPLICATION

1 operator for sliding gates, series BULL SE

## CONTROL UNIT POWER SUPPLY

115 or 230 Vac (selectable) 50/60Hz

## MOTORS POWER SUPPLY

24 Vdc / 9 A

## MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz  
2048 codes with ARC coding | Removable terminal boards | Automatic, semi-automatic and Deadman logic | Motor limit switch inputs | Photocell input (PHO) active in opening and closing | Photocell input (PHC) active only in closing phase | Input for N.C. or 8K2 sensitive edge | Open and step-by-step inputs configurable as pedestrian | Two configurable outputs for gate open indicator light, second radio channel, courtesy light, zone light, accessory test output, flashing light output, gate open alarm and NC input alarm | Autoset of operating parameters | Electronic torque adjustment with automatic calculation for each point in the stroke (STC SYSTEM) | Separate electronic adjustments of opening and closing speeds | Anti-crushing safety through amperometric detection | Virtual encoder | Adjustable slow-downs | Built-in energy saving system ESA+ | Designed for the operation of opposed sliding gates through SIS synchronisation board (optional) | Designed for connection of X.BE (KNX) and Q.BE (MQTT) accessories | Configuration, diagnostics, firmware update, and remote control management via the BeUP app, using the PRO.UP accessory | Number of manoeuvres | Programming access password | Maintenance warning | Built-in battery charger, compatible with batteries model DA.BT2/DA.BT6 | **Standby power consumption complies with European Regulation (EU) 2023/826**



### SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.



### BT2.BAT

1.2 Ah battery kit with bracket and cable.



### BT6.BAT

7 Ah battery kit with bracket and cable.



### BULL624T.CB BULL1224T.CB

Kit composed of cables and brackets for batteries installation.  
**Pack of 5 pcs.**



### DA.BT2

2.1 Ah 12 Vdc Battery.

### DA.BT6

7 Ah 12 Vdc Battery.



### X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



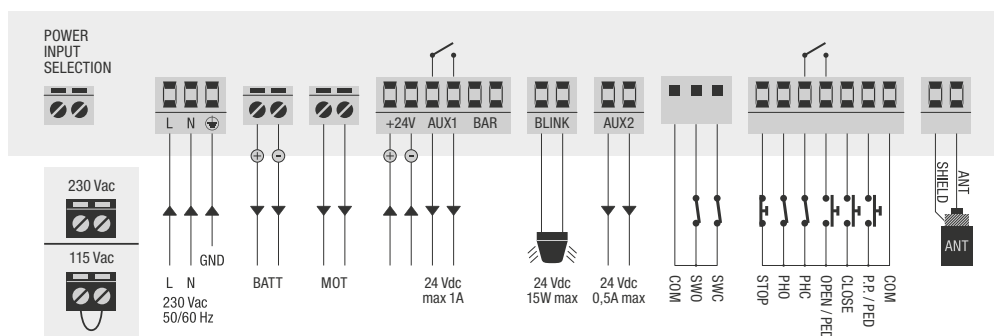
### Q.BE

Electronic interface board between the MQTT protocol and Benincà automations.



### PRO.UP

Interface for remote programming and diagnostics.





# CP.MARK



## APPLICATION

1 or 2 operators series MARK

## CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 5.5 A + 5.5 A

## MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz  
64 codes with ARC coding | Removable terminal boards |  
Automatic, semi-automatic and Deadman logic | Encoder input |  
Step-by-step and stop inputs | Photocell input settable as input  
for N.C. or 8K2 sensitive edge | Two inputs configurable as open,  
close, photocell in opening-closing, photocell in closing, opening  
and closing limit switch for the second motor | Limit switch input |  
Separate power supply output for each motor | Output for 24 Vdc  
flashing light | 24 Vdc auxiliary output max 500mA | Output  
(230 Vac 10A max) configurable as open gate signal light,  
courtesy light, zone light, second radio channel, photocell testing,  
flashing light, open gate alarm, NC inputs alarm | Integrated  
LED courtesy light | Courtesy light output on second motor |  
Autoset operating parameters | Electronic torque adjustment  
| Separate electronic adjustments of opening and closing  
speeds | Anti-crushing safety with amperometric detection  
and encoder management | Electronic torque adjustment with  
automatic calculation for each point of the stroke (STC SYSTEM)  
| Adjustable slowdowns in opening and closing | Built-in energy  
saving system ESA+ | Designed for connection of X.BE (KNX)  
and Q.BE (MQTT) accessories | Configuration, diagnostics,  
firmware update, and remote control management via the BeUP  
app, using the PRO.UP accessory | Number of manoeuvres |  
Programming access password | Maintenance warning |  
Built-in battery charger | **Standby power consumption  
complies with European Regulation (EU) 2023/826**



### XLB.CB

Battery box fitted  
with universal  
bracket and  
cables. IP54.



### X.BE

Electronic  
interface board  
between the KNX  
communication  
system and  
Benincà  
automation  
devices.



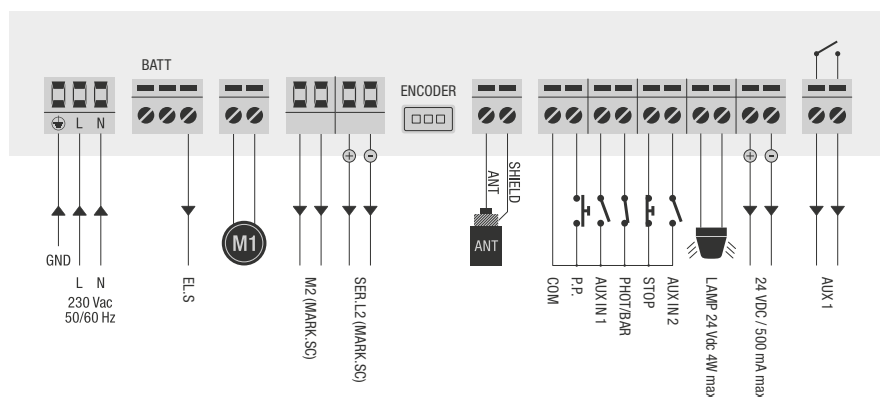
### Q.BE

Electronic interface  
board between  
systems using the  
MQTT protocol  
and Benincà  
automations.



### PRO.UP

Interface  
for remote  
programming  
and diagnostics.



# CP.ZED24



## APPLICATION

1 or 2 operators series ZED24.RI

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 5.5 A + 5.5 A

## MAIN FUNCTIONS

Parameter and operation logic regulations through trimmers and dip-switches | Integrated 433.92 MHz 64-code radio receiver with ARC coding | Removable terminal boards | Automatic and semi-automatic logic | Motor limit switch inputs | Inputs for open, close, stop, step by step and photocell | Input for N.C or 8K2 sensitive edge | Output for service light 24 Vac/dc | Output for open gate indicator | Output for connecting flashing light | Electronic torque adjustment | Anti-crushing safety thanks to amperometric detection | Fixed slow-downs |

**With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



### CBY.24V

Battery charger card. The CBY.24V card allows charging two different types of nickel metalhydrate and lead batteries.



### DA.BT2

2.1 Ah 12 Vdc Battery.

### DA.BT6

7 Ah 12 Vdc Battery.



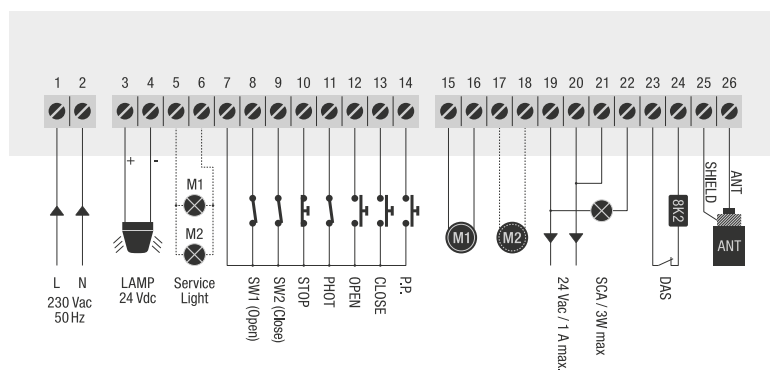
### XLB.CB

Battery box fitted with universal bracket and cables. IP54.



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.





# CP.J3-SW | CP.J4-SW



**Functions available with BeUP**

## APPLICATION

1 operator series JM.3/JM.4

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 8 A

## MAIN FUNCTIONS

Regulation of operating parameters and logics through trimmers, dip-switches and buttons | Integrated 433.92 MHz 64-code radio receiver with ARC coding | Fixed terminal boards | Automatic, semi-automatic and Deadman logic | Step by step, stop and photocell inputs | Integrated LED courtesy light | Output for connecting the flashing light | Autoset of operating parameters | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Separate electronic adjustments of opening and closing speeds | Anti-crushing safety through amperometric detection and encoder management | Electronic regulation on 4 levels of residual tension of the belt at the end of the manoeuvre | Adjustable slow-downs | Built-in energy saving system ESA+ | Set up for connection to SW.CB battery charger (optional) | Designed for connection of X.BE (KNX) and Q.BE (MQTT) accessories | The use of the PRO.UP accessory and the BeUP app allows you to access advanced programming, check the number of operations and protect the control unit with a password, as well as providing diagnostic functions, firmware updates and radio control management | **Standby power consumption complies with European Regulation (EU) 2023/826**



### SW.CB

Accessory equipped with battery charger CB.SW and connection cables.



### JR.BR

Bracket for batteries installation.  
**Pack of 5 pcs.**



### X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



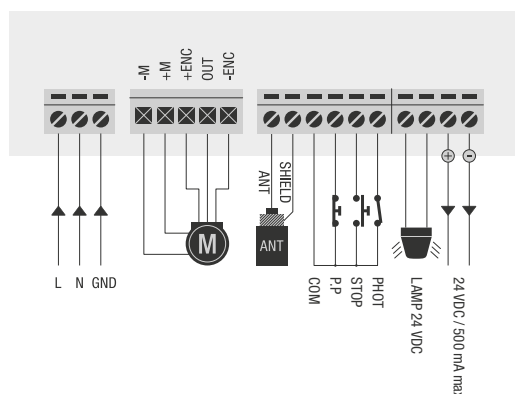
### Q.BE

Electronic interface board between systems using the MQTT protocol and Benincà automations.



### PRO.UP

Interface for remote programming and diagnostics.



# CP.J4-SE



## APPLICATION

1 operator series JM.3SE, JM.4SE

## CONTROL UNIT POWER SUPPLY

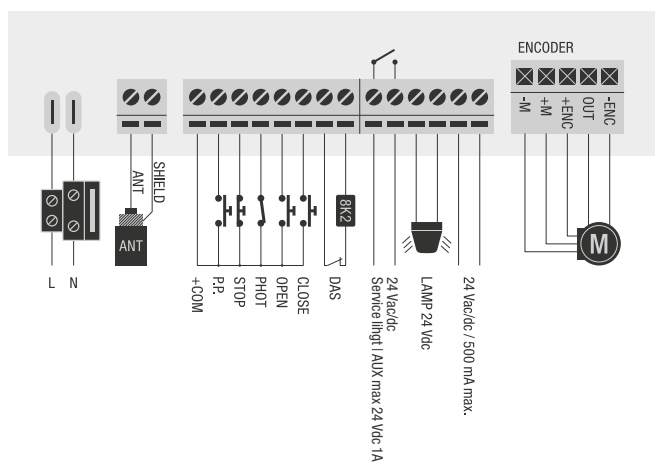
230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 8.5 A

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz radio receiver with 64 codes and 3 radio encodings (Advanced Rolling Code, Rolling Code, Fixed Code) | Integrated ESA+ device for energy saving | Fixed terminal blocks | Automatic and semi-automatic operating logic | Step-by-step inputs, open, close, stop, photocell | Input for N.C. or 8K2 sensitive edge | Output configurable as gate open indicator light, courtesy light, second radio channel or zone light | Output for flashing light connection | Photocell test | Operating parameter autoset | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Anti-crushing safety device with amperometric detection and encoder management | Option to set slow start for 2 seconds (SOFT START) | Adjustable slowdowns | Number of operations | Programming access password | Maintenance warning | **Standby power consumption complies with European Regulation (EU) 2023/826**







# CP.J4ESA



**APPLICATION**

1 operator series JM.4ESA

**CONTROL UNIT POWER SUPPLY**

230 Vac - 50/60 Hz

**MOTORS POWER SUPPLY**

24 Vdc / 8.5 A

**MAIN FUNCTIONS**

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Integrated ESA SYSTEM for energy savings | Fixed terminal boards | Automatic and semi-automatic logic | Step by step, open, close, stop and photocell inputs | Input for N.C or 8K2 sensitive edge | Output for configuration as gate open indicator, service light, second radio channel or area light | Output for connecting flashing light | Photocell testing | Autosetting of operating parameters | Electronic torque adjustment with automatic calculation for each point in the stroke (STC SYSTEM) | Anti-crushing safety thanks to amperometric detection and encoder management | Possibility of setting a slower starting speed for 2 seconds (SOFT START) | Adjustable slow-downs | Number of maneuvers | Programming access password | Maintenance warning | **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



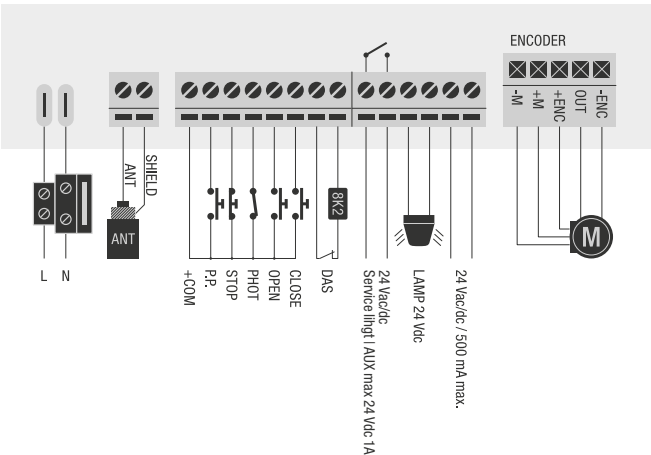
**JM.CBY**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.



**SE.MODULE**

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.





# CP.JT



## APPLICATION

1 operator series JM.3ESA TURBO

## CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 8.5 A

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Fixed terminal boards | Automatic and semi-automatic logic | Step by step, open, close, stop and photocell inputs | Input for N.C or 8K2 sensitive edge | Output for configuration as gate open indicator, service light, second radio channel or area light | Output for connecting flashing light | Photocell testing | Autosetting of operating parameters | Electronic torque adjustment with automatic calculation for each point in the stroke (STC SYSTEM) | Anti-crushing safety thanks to amperometric detection and encoder management | Possibility of setting a slower starting speed for 2 seconds (SOFT START) | Adjustable slow-downs | Number of maneuvers | Programming access password | Maintenance warning | **With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



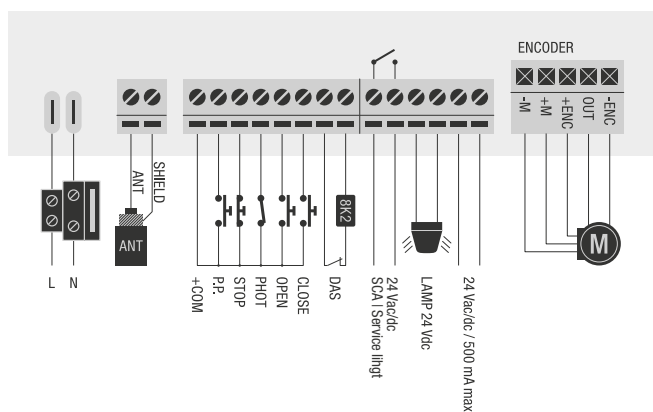
### JM.CBY

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.





# CP.JACK



## APPLICATION

1 lateral operator for balanced sectional doors JACK24

## CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 8 A

## MAIN FUNCTIONS

Integrated LCD Display | Integrated 433.92 MHz 512-code radio receiver with ARC coding | Removable terminal boards | Absolute encoder management | Automatic, semi-automatic and Deadman logic | Step by step, stop, photocell, open and close inputs | Input for N.C or 8K2 sensitive edge | Integrated LED courtesy light | Configurable outputs for gate open warning light, second radio channel, courtesy light, zone light, accessory test output, flashing output, gate open alarm, NC input alarm, open and close limit switch replica | Output for 230 Vac electric lock/service light | Output for connecting the flashing light | Autoset of operation parameters | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Separate electronic adjustments of opening and closing speeds | Anti-crushing safety through amperometric detection and encoder management | Electronic slowdowns in opening and closing | Built-in energy saving system ESA+ | Designed for connection of X.BE (KNX) and Q.BE (MQTT) accessories | Configuration, diagnostics, firmware update, and remote control management via the BeUP app, using the PRO.UP accessory | Number of manoeuvres | Programming access password | Maintenance warning | Built-in battery charger |

**With SE.MODULE module, standby power consumption complies with European Regulation (EU) 2023/826**



### JACK.BAT

2.1 Ah battery kit with bracket and cable.



### JACK24.CB

Kit composed of cables and brackets for batteries installation.

**Pack of 5 pcs.**



### X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



### Q.BE

Electronic interface board between systems using the MQTT protocol and Benincà automations.



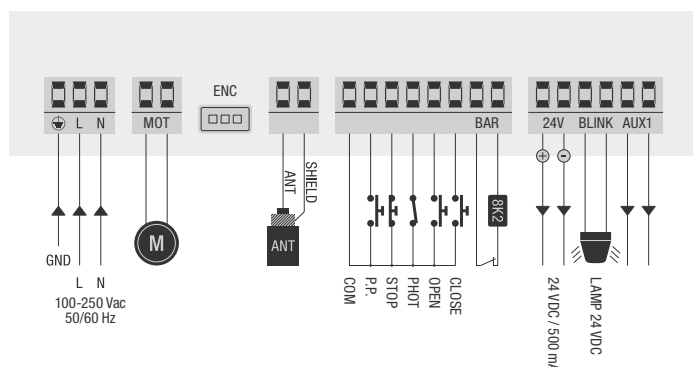
### PRO.UP

Interface for remote programming and diagnostics.



### SE.MODULE

Universal module that ensures standby power consumption is compliant with European Regulation (EU) 2023/826.



# CP.DIVA



## APPLICATION

1 road barrier series DIVA

## CONTROL UNIT POWER SUPPLY

115 or 230 Vac (selectable) 50/60Hz

## MOTORS POWER SUPPLY

24 Vdc / 11 A three phase brushless

## MAIN FUNCTIONS

Integrated LCD Display | Integrated 433.92 MHz 512-codes radio receiver with ARC coding | Absolute encoder management | Removable terminal boards | Automatic, semi-automatic and Deadman logic | Step by step, stop, photocell, open and close inputs | Outputs configurable as open barrier indicator, second radio channel, boom lights, courtesy light, verified photocell power supply, maintenance indicator, close contact when the barrier is open or closed | Autoset of operation parameters | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Separate electronic adjustments of opening and closing speeds | Anti-crushing safety through amperometric detection and encoder management | Electronic slowdowns in opening and closing | Preparation for the operation of opposed barriers with SIS synchronisation board (optional) | Designed for connection of X.BE (KNX) and Q.BE (MQTT) accessories | Configuration, diagnostics, firmware update, and remote control management via the BeUP app, using the PRO.UP accessory | Number of manoeuvres | Programming access password | Maintenance warning | Built-in battery charger compatible with batteries DA.BT2 / DA.BT6



### SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.



### DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed barriers).



### DA.BT2

2.1 Ah 12 Vdc Battery.

### DA.BT6

7 Ah 12 Vdc Battery.



### DIVA.TL

Electronic board to adjust the light colours on the arm and the crown according to the boom position (traffic light function).



### X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



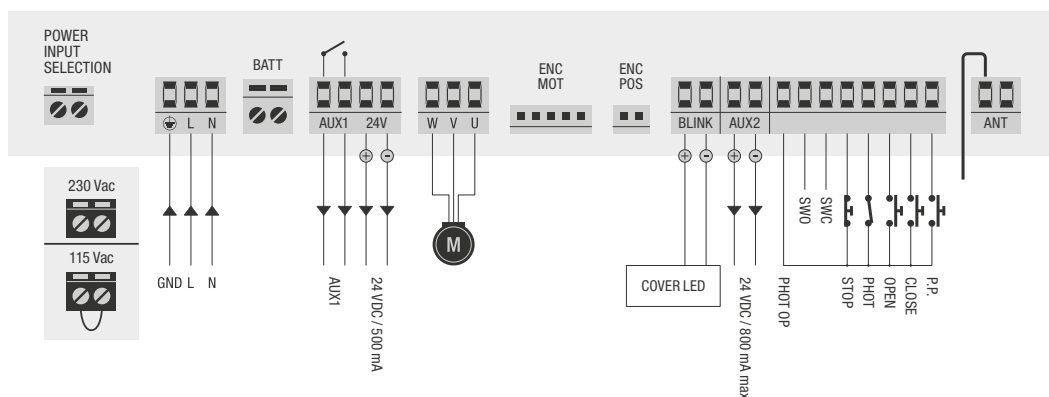
### Q.BE

Electronic interface board between systems using the MQTT protocol and Benincà automations.



### PRO.UP

Interface for remote programming and diagnostics.





# CP.EVA



## APPLICATION

1 road barrier series EVA.5, EVA.7, EVA.8

## CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 10 A

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Absolute encoder management | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Open, close, step by step, photocell and stop inputs | Output for LED.ALx accessory, integrated LED on arm | Output configurable as barrier open indicator light, second radio channel of the built-in receiver, arm lights, courtesy light, photocell test, maintenance indicator light, contact closed with barrier open or contact closed with barrier closed | Output for connecting flashing light | Designed for the operation of opposed barriers with SIS synchronisation board (optional) | Autosetting of operation parameters | Electronic torque adjustment with automatic calculation for each point in the stroke (STC SYSTEM) | Anti-crushing safety thanks to amperometric obstacle detection | Adjustable slow-downs | Number of maneuvers | Programming access password | Maintenance warning | Integrated battery charger, compatible with battery models DA.BT2/DA.BT6



### SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.



### DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed barriers).

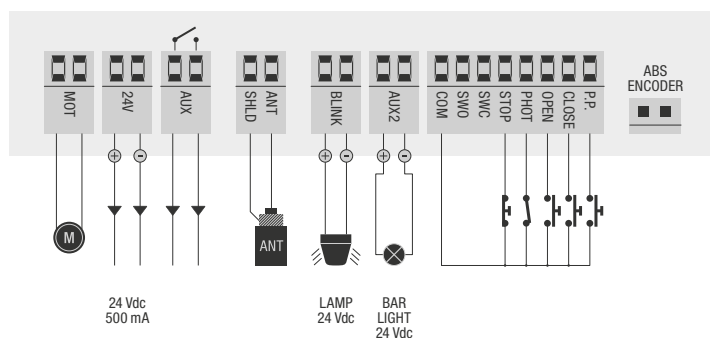


### DA.BT2

2.1 Ah 12 Vdc Battery.

### DA.BT6

7 Ah 12 Vdc Battery.



# CP.LADY



## APPLICATION

1 road barrier series LADY, LADY.5, VE.650

## CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

## MOTORS POWER SUPPLY

24 Vdc / 10 A

## MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Open, close, step by step, pedestrian and stop inputs | Output for LADY.L accessory, LED integrated on arm | Output configurable as barrier open indicator light, second radio channel of the built-in receiver, arm lights, courtesy light, photocell test, maintenance indicator light, contact closed with barrier open or contact closed with barrier closed | Output for connecting flashing light | Designed for the operation of opposed barriers with SIS synchronisation board (optional) | Autosetting of operation parameters | Anti-crushing safety thanks to amperometric obstacle detection | Adjustable slow-downs | Number of maneuvers | Programming access password | Maintenance warning | Integrated battery charger, compatible with battery models DA.BT2/DA.BT6



### SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.



### DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed barriers).

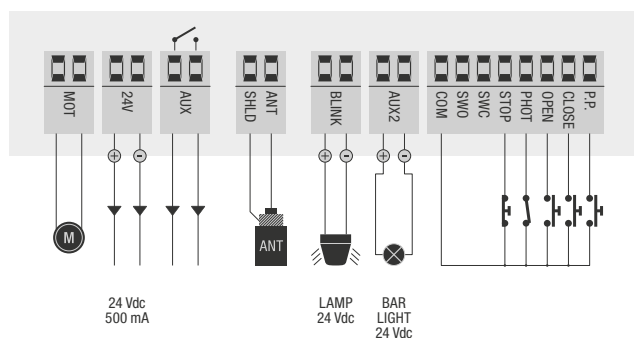


### DA.BT2

2.1 Ah 12 Vdc Battery.

### DA.BT6

7 Ah 12 Vdc Battery.





# COMPARISON TABLE

## INTERNAL CONTROL UNITS

CONTROL UNITS FEATURES	CPBULL6-SE	CPBULL8-OM	CPBULL-RI	CPBULL-REV	CPBULL20-HE	CPBULL OMI	CPBISON OTI	CPBISON OTI L	CPBUFFALO OTI	CPYAK OTI	CPZED-AUTR	UPVN	CP SAM	CPB24-SW	CPB24-TURBO	CPB24-D120	CP MARK	CPZED24	CPJ3-SW	CPJ4-SW	CPJ4-SE	CPJ4ESA	CPJT	CPJACK	CPDIVA	CP EVA	CP LADY
motors power supply 24 Vdc													•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
motors power supply 24 Vdc BRUSHLESS 3PH																									•		
motors power supply 230 Vac	•	•	•	•	•	•	•	•	•	•	•	•															
motors power supply 400 Vac							•																				
<b>INPUTS</b>																											
step by step input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
open input	*	*	•	•	•	•	•	•	•	•	*	•	•		•	•	•	•			•	•	•	•	•	•	•
close input	*	*	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•			•	•	•	•	•	•	•
pedestrian opening input	*	•	•	•	•	•	•	•	•	•			•	*	*	*								*			
photocell input in opening phase	*	•	•	•	•	•	•	•	•	•	*		•	*	•	•	*							*			
photocell input in closing phase	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
stop input	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
conductive safety input	*	•	•	•	•	•	•	•	•	•	•		•		•	•	*	•			•	•	•	•			
limit switch input open/close for motor 1	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•								•	•
limit switch input open/close for motor 2																	*										
input for safety sensor						•	•	•	•	•	•	•			•												
<b>OUTPUTS</b>																											
motor 1 output	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
motor 2 output											•		•				•	•									
flashing light output	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12/24 Vdc electric lock output													•														
auxiliary output for optional electric-lock card																	•							•			
24 Vac/dc accessory power supply output	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
gate open indicator	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	*	•			*	*	*	•	•	•	•
photocell power supply output with phototest	*	*	*	*	*	•	*	*	*	•	*		*		*	*	*				•	•	•	*	*	*	*
2nd radio channel output	*	*	*	*	*	•	•	•	•	•	*		•	*	•	•	•				*	*	*	*	*	*	*
courtesy light and/or zone light output	*	*	*	*	*	*	*	*	*	*	•		*		*	*	*	•			•	•	•	*	*	*	*
TCA alarm output / n.c. inputs	*	*	*	*	*	*	*	*	*				*		*	*	*	*					*				
<b>ADJUSTMENTS</b>																											
self adjustment of working parameters	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•		•	•	•	•	•	•	•	•	•
<b>OTHER CHARACTERISTICS</b>																											
adjustments via trimmer and dip-switch														•				•	•	•							
adjustments via integrated display	•	•	•	•	•	•	•	•	•	•	•		•		•	•	•				•	•	•	•	•	•	•
diagnostic LEDs												•		•				•	•	•							
input diagnostics via integrated display	•	•	•	•	•	•	•	•	•	•	•		•		•	•	•				•	•	•	•	•	•	•
433.92 MHz receiver only with ARC coding	•											•	•	•	•	•	•	•	•	•				•	•		
number of transmitters that can be memorised	64	64	64	64	64	512	64	64	64	512	64	0	512	64	512	2048	64	64	64	64	64	64	64	512	512	64	64
encoder management	•	•	•	•	•		•	•	•		•		•				•		•	•	•	•	•	•	•	•	•
virtual encoder management						•				•			•	•	•	•											
inverter management						•	•	•	•	•																	
pro.UP, MQTT and KNX interface management	•												•	•	•	•	•		•	•				•	•		
automatic deactivation of accessories in stand-by mode	•												•	•		•	•		•	•	•	•	•	•			
built-in ESA+	•												•	•		•	•		•	•				•			
prepared for backup battery														•				•	•	•	•	•	•				
built-in battery charger													•		•	•	•							•	•	•	•

\* functions that can be activated as an alternative to the default functions



# ACCESSORIES

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.RB**

Battery charger card for DA.SO4.

**CBY.24V**

Battery charger card. The CBY.24V card allows charging two different types of nickel metalidrate and lead batteries.

**DA.BT2**

2.1 Ah 12 Vdc Battery.

**DA.BT6**

7 Ah 12 Vdc Battery.

**DA.BT18**

18 Ah 12 Vdc Battery.

**AWO**

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.

**AW**

433.92 MHz stylus antenna for external installation, equipped with a shielded 3m RG58 cable.



**SB**

Plastic box for small control unit.  
Protection level IP54.

**HB**

Box for control units.  
Protection level IP54.

**LB**

Standard box for control units.  
Protection level IP54.

**KPO**

Set of 2 green push buttons (N.O.)  
and front cover for Box LB.

**KPC**

Set of 2 push buttons (green-N.O. and red-N.C.)  
and front cover for box LB.

**DA.LB**

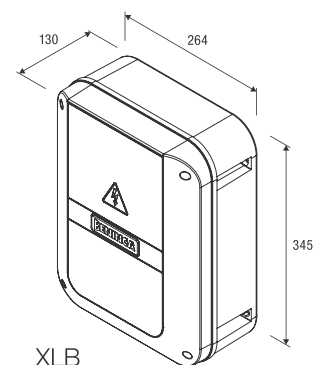
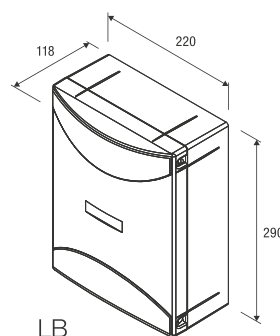
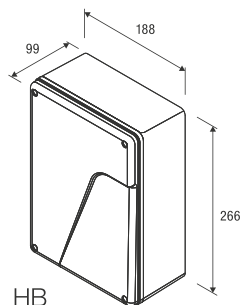
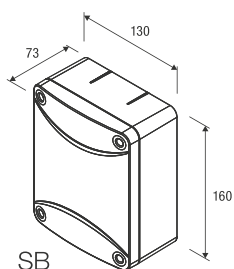
Galvanized column for outdoor installation of LB box.

**XLB**

Box for industrial control units.  
Protection rating IP54.

**SC.RD**

Board no. 4 relays for control unit inputs  
support/decoupling. For use in the event  
of very long connections (i.e. buttons in house).





# ELECTRONIC COMMAND & CONTROL

## TRANSMITTERS

433,92 MHz	ARC (128 bit)	2 channels	TO.GO2A
		4 channels	TO.GO4A
	ARC (128 bit) sequential encoding	2 channels	TO.GO2AS
		4 channels	TO.GO4AS
	ARC (128 bit) Rolling Code	2 channels	TO.GO2VA HAPPY.2VA
		4 channels	TO.GO4VA HAPPY.4VA IRI.TX4VA
		2 channels	TO.GO2AK HAPPY.2AK
	ARC (128 bit) Fixed Code	4 channels	TO.GO4AK HAPPY.4AK IRI.TX4AK
		4 channels	TO.GO4-MS
	ARC (128 bit) Master / Slave	4 channels	TO.GO4-MS
868 MHz	Rolling Code	2 channels	TO.GO2QV

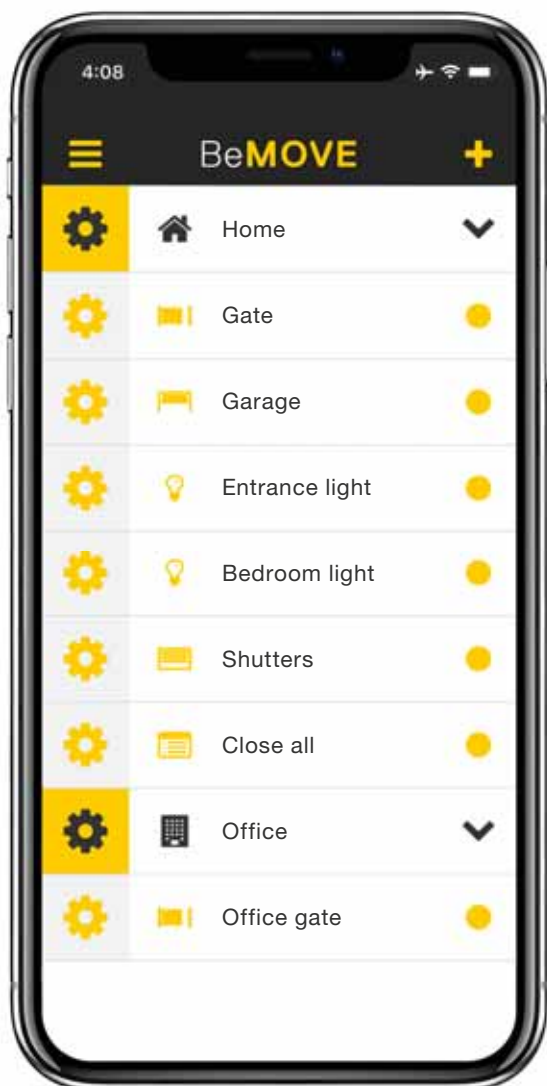


RECEIVERS	433,92 MHz	ARC (128 bit) Rolling Code Fixed Code	2 channels	ONE.2WO ONE.2WB ONE.2WI ONE.2WB-MS
			4 channels	ONE.4WB
	868 MHz	ARC (128 bit) Rolling Code Fixed Code	2 channels	ONE.2QB
SMART HOME		HOOP g.MOVE i.HOOP pro.UP		
INTERFACES		Q.BE (MQTT) X.BE (KNX)		
STANDBY ENERGY SAVING MODULE (EU 2023/826)		SE.MODULE		



# THE BeMOVE SYSTEM

**FOR PRIVATE USERS,  
AUTOMATION USERS**



## REMOTE CONTROL

Command always and everywhere, even when you don't have the transmitter.

## CONTROL

Check the status of your automations at any time.

## SECURITY

Set up notifications to be informed if someone opens your gate.

## MANAGE YOUR ACCESS

You decide who can control your entrances and when, thanks to the advanced features.

## GET SUPPORT QUICKLY AND EASILY

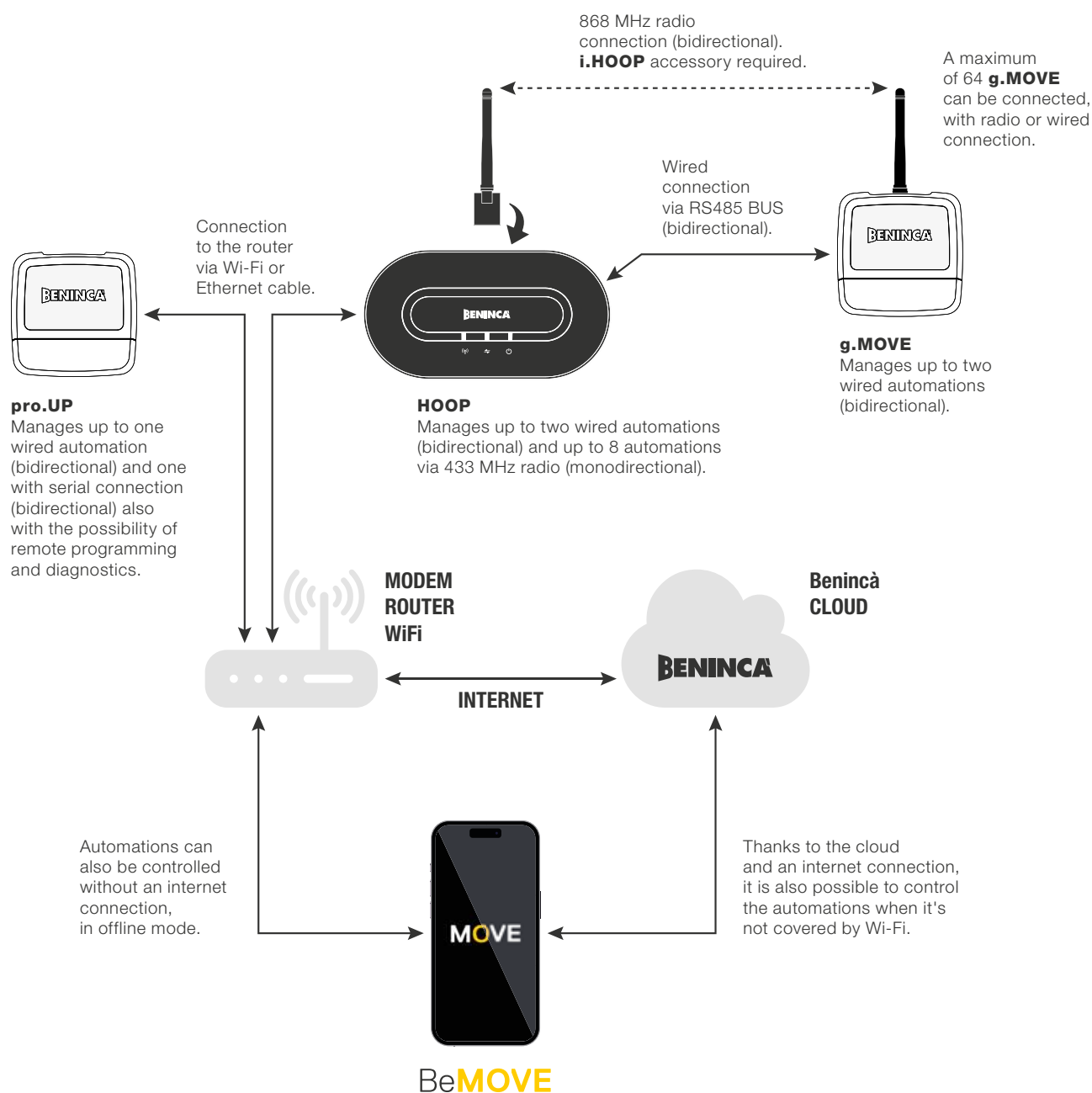
Allow your trusted installer to connect remotely for the quick diagnosis of your automation (requires compatible control unit and pro.UP).



BeMOVE



- Application dedicated to automation users, available on iOS and Android platforms, for the remote management of automations or devices through dialogue with a central gateway (HOOP or pro.UP)
- Quick and easy configuration of the system thanks to integrated installation guides and step-by-step tutorials
- Possibility of associating different types of devices via radio, 433.92 MHz, 868 MHz, via RS485 bus or via wired connection for each HOOP gateway, or via serial or via wired connection for each pro.UP gateway
- Remote control of automations and monitoring of their status via smartphone
- Management of automation devices with advanced programming functions: management of planned events, user access by time slot, control by GPS position, temporary authorisation to occasional users and the setting of scenarios for controlling more than one device
- Possibility of managing and inserting several HOOP/pro.UP gateways by associating an icon, a specific name for each, different roles and modes of access for each user
- Three user modes are available: OPEN MODE, operation without restrictions; SECURITY MODE, the master user has the right to manage and set restrictions for slave users; OFFLINE MODE when there is no Internet connection
- Maximum security thanks to the possibility of entering a PIN code to protect the user association to the gateway
- Quick control of automations by activating the widget buttons of the app
- Facilitated storage, single or multiple, of the transmitters on the system thanks to the QR code reading functionality (TO.GO2/4A and TO.GO2/4AS models) and the possibility of managing them completely also remotely, enabling or disabling them and modifying the association of the keys with the channels of the paired receiver

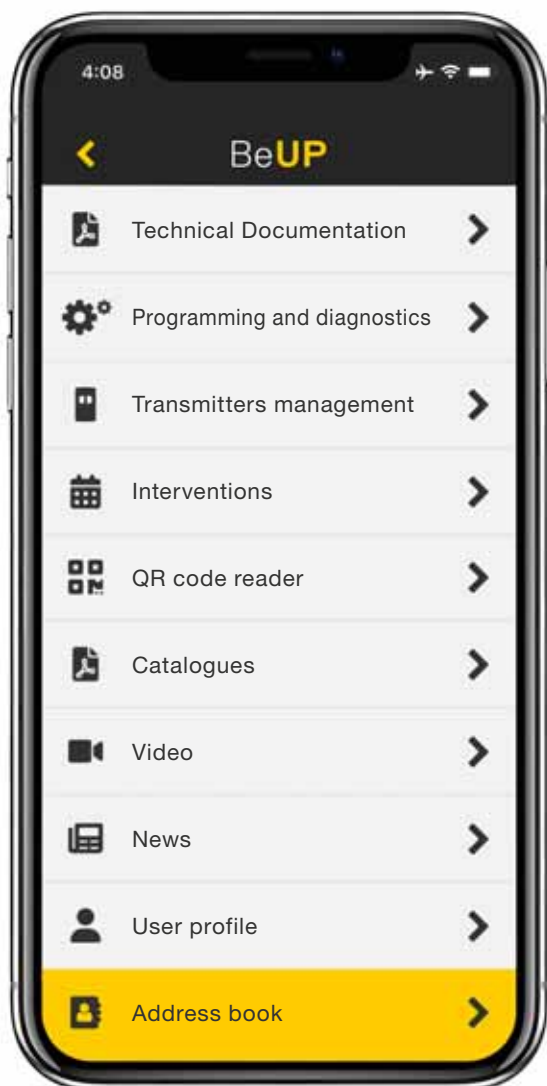


	HOOP	HOOP i.HOOP g.MOVE	pro.UP
Control of the gate from smartphone	✓	✓	✓
Remotely controlling gate status	✓	✓	✓
Command of existing 433.92 MHz receivers	✓	✓	✗
Two-directional command 868 MHz	✗	✓	✗
System installation BUS RS485	✗	✓	✗
WiFi connection	✓	✓	✓
Ethernet connection	✓	✓	✓
Programming function & diagnostics of compatible control units	✗	✗	✓
Radio transmitters management functionality	✗	✗	✓
Max. number of commands for automation	2	2	6
Max. number of automations controllable by the gateway	10	138	2
Max. number of users per gateway	500	500	500



# THE BeMOVE SYSTEM

## FOR INSTALLERS AND PROFESSIONALS



## CONVENIENCE

Your smartphone is the interface, use it as and when you want in any weather condition.

## SIMPLICITY

Tutorials and instructions are always available when needed.

## DATA SECURITY

Backup of all systems and document repository.

## REDUCTION OF ASSISTANCE COSTS

Remote diagnostic.

## NEW SERVICES

Remote management of installations and transmitters.

## ORGANISED WORK

Plan future interventions and keep track of past ones.

## TEAM MANAGEMENT

Organize your team's work and share information.

## EVOLVE THE SIMPLE CONTROL UNITS

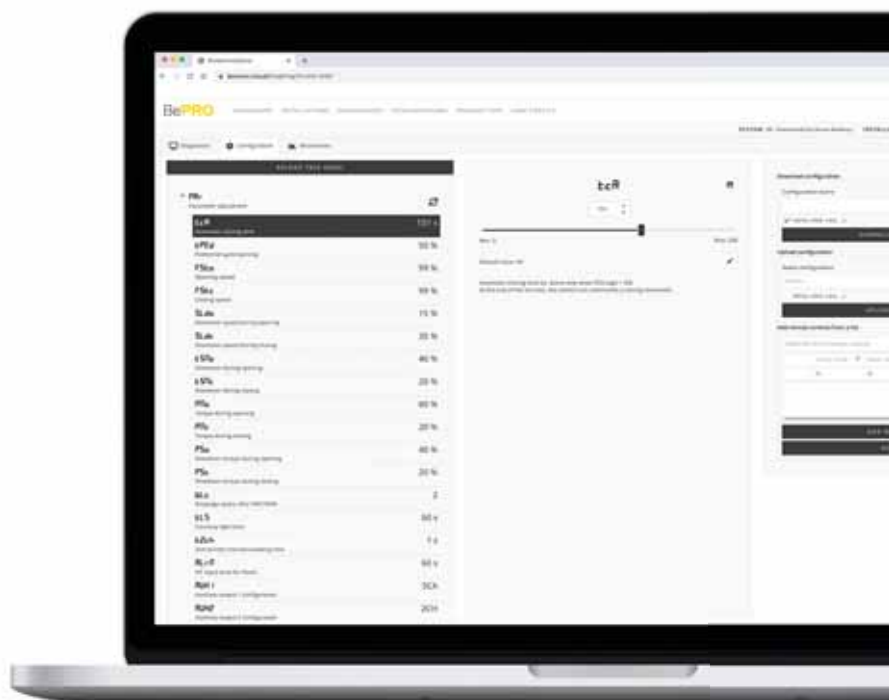
Expand adjustment possibilities thanks to the serial communication



BeUP



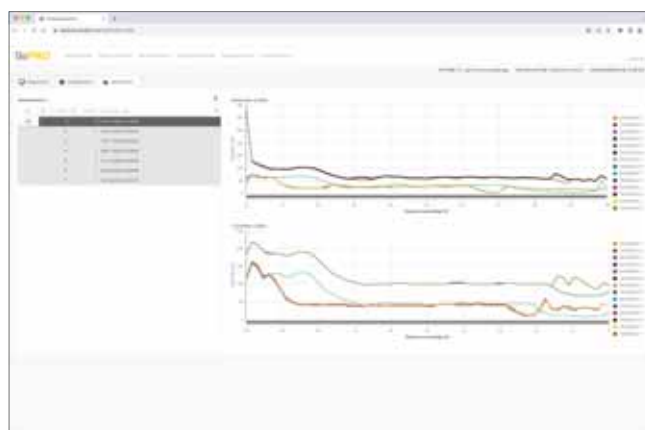
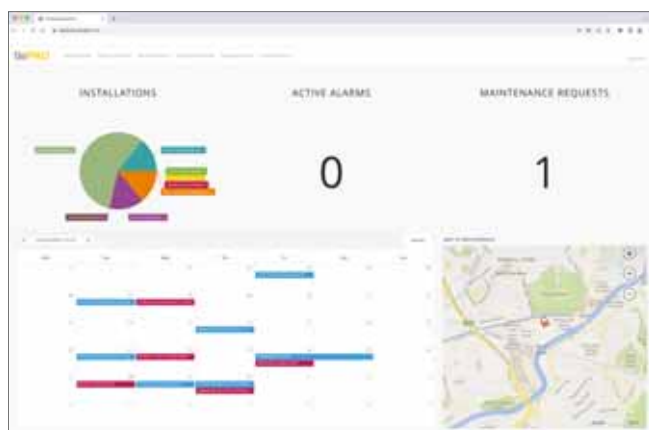
- Application dedicated to professionals, available for iOS and Android, which allows you to configure and manage BeMOVE systems, as well as consult manuals, catalogues and instructions
- Through the serial connection of the pro.UP interface module, a series of additional features are available to simplify the installation and maintenance phases of the systems
- It is possible to consult the complete menu of the control unit directly from your smartphone and proceed with the programming (only through pro.UP and compatible control units)
- Permits advanced levels of programming also for the simplest control units (e.g. precise adjustment of parameters, adjustment of slowdowns, protection of the control unit with password, etc.)
- Easily export the control unit menu and transmitters configurations as back up if required in the future (e.g. system resets in the event of faults)
- In the event of a request for assistance by the end user, it is possible to connect remotely to the system, subject to authorisation, and read the diagnostic data provided by the control unit, consult the event log recorded by pro.UP, make changes to the configuration, launch test commands and manage radio transmitters (function only available with the installation of the pro.UP interface on the system and its online configuration)
- Within the application it is possible to create a real calendar of the interventions to be done, note down the activities to be carried out by setting a deadline and a priority for each system and installation present
- Possibility of creating and managing a customer contact list, associating systems and product installations
- Enables you to manage a team of installers by assigning systems to monitor and scheduling required maintenance tasks, while also sharing configurations and radio lists



## BePRO

[www.beninca.cloud](http://www.beninca.cloud)

- The web portal for professionals, created to complete the features of the BeUP app, which allows you to expand remotely the control of plants and installations
- Consult all the entries of the system configuration and, if necessary, easily modify them
- Each installation comes with an archive in which you can upload documents for quick reference at any time
- Geolocate the systems on the map to facilitate the planning of their interventions
- View and consult the power consumption curves of the motors for each registered installation
- Manage the lists of radio transmitters also with import/export from the memory of the connected control units or from files (.csv or .xlsx)



	BeUP	BePRO
BeMOVE systems configuration	✓	✗
Instruction manuals, news and tutorials	✓	✗
Event planner	✓	✓
Diagnostic and programming locally / remotely	✓ / ✓	✗ / ✓
Alarms and errors checking locally / remotely	✓ / ✓	✗ / ✓
Import/export configurations locally / remotely	✓ / ✓	✗ / ✓
Reading and modification of configurations	✗	✓
Firmware updates locally / remotely	✓ / ✓	✗ / ✓
Adding transmitters through QR code	✓	✗
Transmitters and lists management	✓	✓
Power consumption curves consultation	✗	✓
Event log consultation	✓	✓
The Geolocation of the installations on the map	✗	✓
Document repository	✗	✓





# THE BeMOVE SYSTEM

## SYSTEM ELEMENTS



### HOOP

- Interface gateway between automations and the BeMOVE application
- HOOP has a modern linear design to guarantee perfect integration in every location, also thanks to three different installation methods (set upright on its base, on one side or wall mounted)
- Radio transmissions on a frequency of 433.92 MHz (mono-directional) with 8 channels and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code
- Radio transmissions on a frequency of 868 MHz (bi-directional) possible with i.HOOP plug-in transceiver (accessory)
- Connection to the router possible via integrated 802.11b/g/n 2.4GHz Wi-Fi module or via RJ45 Ethernet port
- 3 warning LED lights to indicate the presence of power, Wi-Fi or Ethernet connection and radio signal (RGB)
- HOOP is designed also for direct wiring to the automation control unit through two 250V 5A relay outputs and 2 inputs (clean contacts)
- It is possible to manage up to 64 devices 868 MHz g.MOVE or RS485 bus, 8 devices 433.92 MHz and 2 wired devices
- Power supply included
- Transmission via RS485 bus protocol through two-wire connection

### pro.UP

- Interface gateway between automations and BeUP and BeMOVE applications
- pro.UP communicates through a serial connection with compatible products or via wired connection with any automation or other device that can be operated with voltage-free contact
- Equipped with 802.11b/g/n 2.4GHz Wi-Fi module or RJ45 Ethernet input
- Equipped with voltage-free control input and 230V 5A relay output (resistive load)
- 12 or 24 Vac/dc power supply (not necessary if using serial connection)



#### ONE.2WO

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



#### ONE.2WB

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



#### ONE.2WI

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



#### ONE.4WB

4-channel receiver with full-range power supply (115-230 Vac/dc) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



### **g.MOVE**

- 868 MHz transceiver for installation on automation devices or other devices that can be operated through a voltage free contact (lights, irrigation systems, air conditioning systems, etc)
- Permits remote command and control (status feedback) of connected devices
- Input for RS485 bus connection
- Equipped with two voltage free command inputs and two 230V 5A relay outputs (resistive load)
- 12 or 24 V AC/DC power supply



### **i.HOOP**

- 868 MHz transceiver module to install on the central gateway HOOP
- Permits bi-directional communication with automation devices for remote control of status

# Q.BE



## MQTT ELECTRONIC INTERFACE BOARD

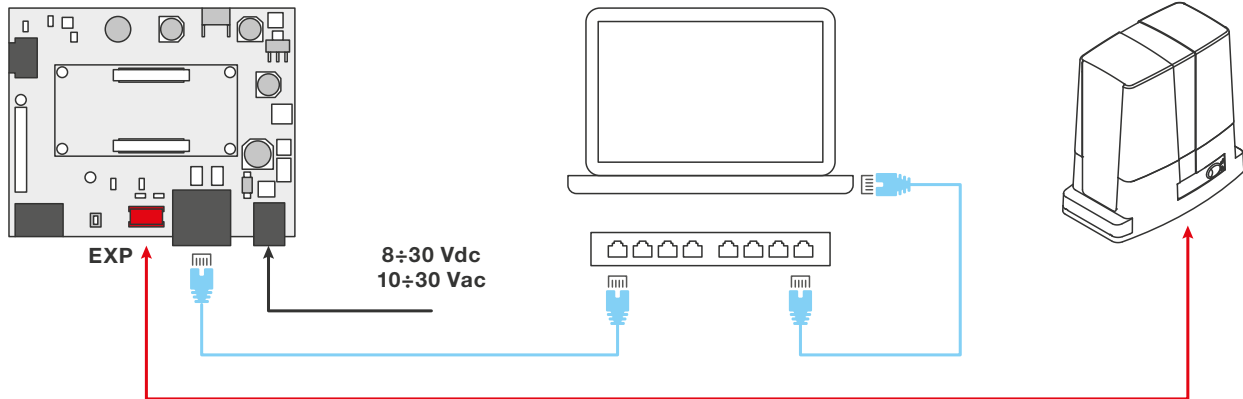
MQTT (Message Queuing Telemetry Transport) is a lightweight TCP/IP-based communication protocol designed for the efficient transmission of real-time data between IoT (Internet of Things) devices and supervisory systems. Thanks to its publish/subscribe architecture, it enables simple, reliable, and scalable information exchange, even on low-bandwidth networks. It is particularly suitable for applications in home automation, industry, and smart city.

All control units that have the MQTT logo can be used in an MQTT network using the Q.BE interface card.



- Electronic board that allows to easily integrate Benincà automation systems with other systems through the MQTT communication protocol
- Equipped with a local web server, it allows commands to be sent directly via browser, without the need to pass through an external server
- It has a serial interface to compatible Benincà control units and an Ethernet port for connection to a PC or network
- It is possible to control the automation, query the status of the inputs, any alarms, or simply access the statistical parameters (e.g., the number of operations for scheduled maintenance management)

Power	Via EXP directly from the automation system or 8 to 30 Vdc - 10 to 30 Vac
Power consumption	I Average = 100 mA (depending on configuration and setup)
CPU	Freescall™ i.MX6 Family, based on ARM Cortex-A9 processors: i.MX6ULL up to 528 MHz
RAM	256MB DDR3L soldered on board
Flash	8GB eMMC soldered on board, expandable with internal MicroSD (optional connector)
OS.	Linux File System - YOCTO - Pyro, Linux kernel var-som-mx6ul 4.9.88
Networking	Main Ethernet interface 10/100
Notifications	PowerON LED and LED diagnostics
Clock	Internal RTC with dedicated backup battery
Operating temperature	0°C /+70°C





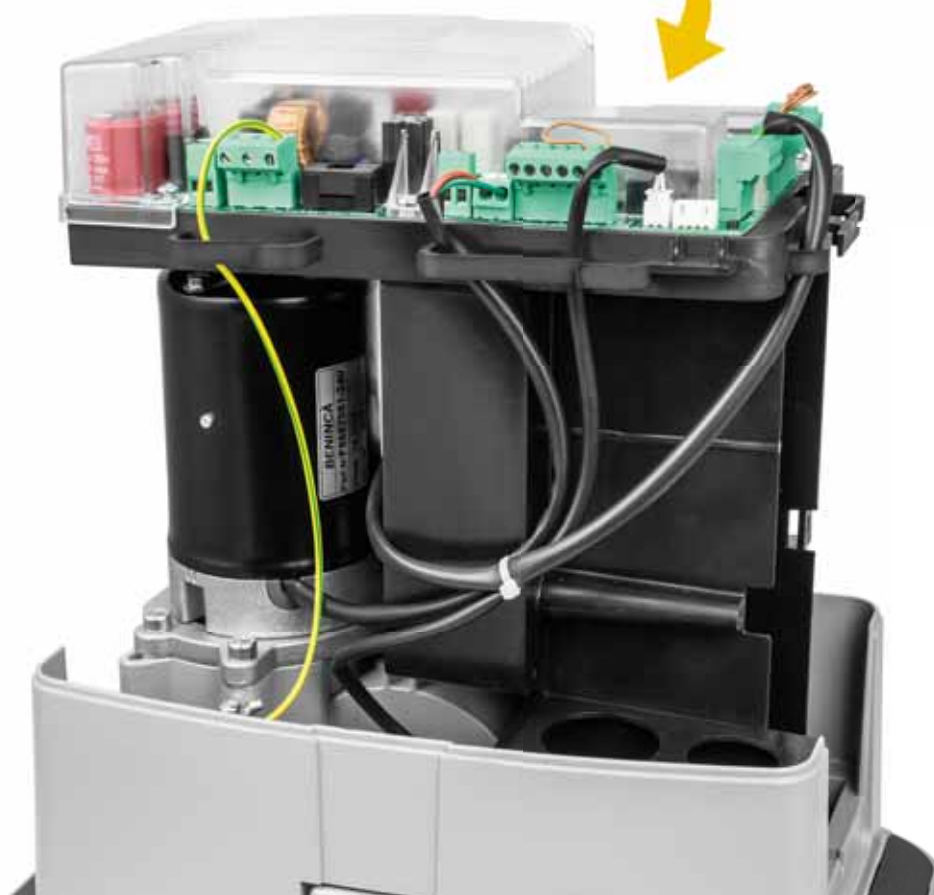
# X.BE



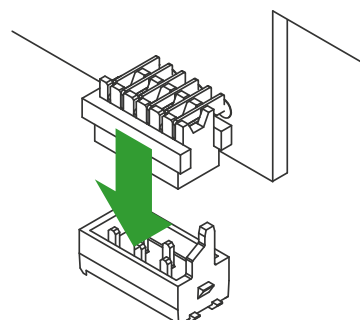
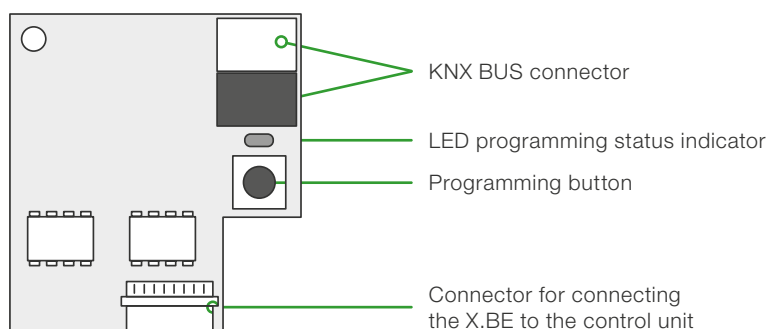
## KNX ELECTRONIC INTERFACE BOARD

KNX is an open international standard for home automation and building automation, designed to ensure interoperability between devices from different manufacturers. Thanks to its decentralized and flexible architecture, KNX allows integrated control of various functions such as lighting, shutters, heating, ventilation, security, and energy management. Reliable, scalable, and compliant with European and international standards (EN 50090, ISO/IEC 14543), the KNX protocol is now one of the most widely used solutions in the residential and commercial automation sector.

All control units that have the KNX logo can be used in an KNX network using the X.BE interface card.



- Electronic board that allows Benincà automation systems to be integrated with KNX home automation systems
- Thanks to a supervision system, it is possible to control the automation, query the status of the inputs or simply access statistical parameters (e.g., the number of operations for scheduled maintenance management)
- Integration into the KNX system allows you to configure scenarios and send commands automatically via a 2-wire connection (KNX bus)





# TO.GO A

## ADVANCED ROLLING CODE TRANSMITTERS

2 and 4 channels



### Configuration and list of available channels:

	CH1		CH5
	CH2		CH6
	CH3		CH7
	CH4		CH8
	hidden button		CH9



Easy pairing of the remote control with systems thanks to QR code scanning via the BeUP app, with no need to be on site.



### Training

Guide to memorisation of a TO.GO transmitter in a receiver or control unit. Watch the video.

- 2 or 4-channel transmitter of the TO.GO series with Advanced Rolling Code
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The TO.GO4A model allows users to set up to 9 channels, thanks to the option of activating the command by simultaneously pressing two buttons chosen by the user. This function allows avoiding accidental openings caused by pressing a button by mistake and is particularly indicated for use with alarm systems
- Equipped with 12 V battery for long lifespan
- Long range, up to 230 m in a free area
- Car accessory (TO.CLIP) or wall accessory (SMART) available



#### ONE.2WO

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



#### ONE.2WB

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



#### ONE.2WI

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



#### ONE.4WB

4-channel receiver with full-range power supply (115-230 Vac/dc) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



#### MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



#### AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



### TO.GO2A

2-channels transmitter with Advanced Rolling Code.  
Easy pairing of the remote control with systems thanks to QR code scanning via the BeUP app, with no need to be on site.



### TO.GO4A

4-channels transmitter with Advanced Rolling Code.  
Easy pairing of the remote control with systems thanks to QR code scanning via the BeUP app, with no need to be on site.



### TO.GO2AS

2-channels transmitter with Advanced Rolling Code.  
Sequential programming for the addition of multiple remote controls, made easier through QR code scanning via the BeUP app, with no need to be on site.



### TO.GO4AS

4-channels transmitter with Advanced Rolling Code.  
Sequential programming for the addition of multiple remote controls, made easier through QR code scanning via the BeUP app, with no need to be on site.



#### RG58 MT5

AWO antenna cable  
L = 5 m.



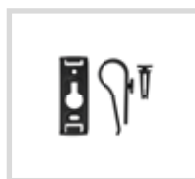
#### AW

433.92 MHz stylus antenna for external installation, equipped with a shielded 3 m RG58 cable.



#### SMART

Cover compatible with TO.GO transmitters for internal wall mounting.



#### TO.CLIP

Car accessory for TO.GO transmitters.



#### BT12

12 V Battery, for transmitter.  
**Available in 50 pcs packing.**



# TO.GO VA

## TRANSMITTERS WITH DOUBLE CODING, ADVANCED ROLLING CODE AND ROLLING CODE

2 and 4 channels



### Configuration and list of available channels (ARC only):

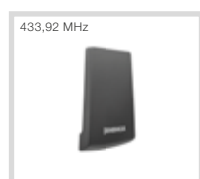
 CH1	 CH5
 CH2	 CH6
 CH3	 CH7
 CH4	 CH8
 hidden button	 CH9

- 2 or 4-channel transmitter with double coding, Advanced Rolling Code and Rolling Code.
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The transmitter has ARC coding as factory setting. However, it is possible to change the coding by using it in Rolling Code or even in mixed coding (ARC and Rolling Code)
- If using mixed coding, the ARC can be set with the T1/T3 buttons and the Rolling Code with the T2/T4 buttons
- The TO.GO4VA model allows users to set up to 9 channels, thanks to the option of activating the command by simultaneously pressing two buttons chosen by the user. This function allows avoiding accidental openings caused by pressing a button by mistake and is particularly indicated for use with alarm systems
- Equipped with 12 V battery for long lifespan  
Long range, up to 230 m in a free area
- Car accessory (TO.CLIP) or wall accessory (SMART) available



### Training

Guide to memorisation of a TO.GO transmitter in a receiver or control unit and how to change the code. Watch the video.



#### ONE.2WO

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



#### ONE.2WB

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



#### ONE.2WI

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



#### ONE.4WB

4-channel receiver with full-range power supply (115-230 Vac/dc) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



#### ONE.2QB

Universal 868 MHz receiver, 2 channels, in box.



#### MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.





### TO.GO2VA

2-channel transmitter with Advanced Rolling Code and Rolling Code.



### TO.GO4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



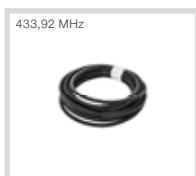
### TO.GO2QV

2-channel 868 MHz transmitter with Rolling Code.



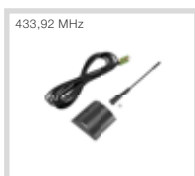
#### AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



#### RG58 MT5

AWO antenna cable L = 5 m.



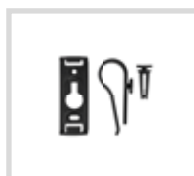
#### AW

433.92 MHz stylus antenna for external installation, equipped with a shielded 3 m RG58 cable.



#### SMART

Cover compatible with TO.GO transmitters for internal wall mounting.



#### TO.CLIP

Car accessory for TO.GO transmitters.



#### BT12

12 V Battery, for transmitter. Available in 50 pcs packing.



# TO.GO AK

## TRANSMITTERS WITH DOUBLE CODING, ADVANCED ROLLING CODE AND FIXED CODE

Compatible with the most common fixed code transmitters

2 and 4 channels



### Training

Guide to the procedure of copying fixed codes and enabling ARC codes. Watch the video.

- 2 or 4-channel transmitter with double coding, Advanced Rolling Code and Fixed Code
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The transmitter allows expanding the convenience of remote duplication (without having access to the installation), typical of Fixed Codes, even with ARC. TO.GO2/4AK transmitters can become duplicates of fixed code transmitters, but they can also be enabled to operate systems with Advanced Rolling Code
- It is possible to associate each button with different types of coding (Advanced Rolling Code or Fixed Code) independently
- Equipped with 12 V battery for long lifespan
- Long range, up to 230 m in a free area
- Car accessory (TO.CLIP) or wall accessory (SMART) available



#### ONE.2WO

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



#### ONE.2WB

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



#### ONE.2WI

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



#### ONE.4WB

4-channel receiver with full-range power supply (115-230 Vac/dc) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



#### MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



#### AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



### TO.GO2AK

2-channel transmitter with Advanced Rolling Code and Fixed Code.



### TO.GO4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



#### RG58 MT5

AWO antenna cable  
L = 5 m.



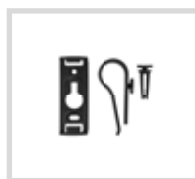
#### AW

433.92 MHz stylus  
antenna for external  
installation, equipped  
with a shielded 3 m  
RG58 cable.



#### SMART

Cover compatible with  
TO.GO transmitters for  
internal wall mounting.



#### TO.CLIP

Car accessory for  
TO.GO transmitters.



#### BT12

12 V Battery,  
for transmitter.  
**Available in  
50 pcs packing.**



# HAPPY VA

## TRANSMITTERS WITH DOUBLE CODING, ADVANCED ROLLING CODE AND ROLLING CODE

2 and 4 channels



### Training

Guide to change coding and the use of mixed coding with HAPPY.VA transmitters. Watch the video.

#### Configuration and list of available channels (ARC only):

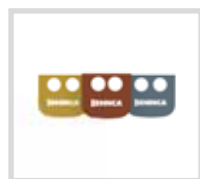
	CH1		CH5
	CH2		CH6
	CH3		CH7
	CH4		CH8
	hidden button		CH9

- 2 or 4-channel transmitter with double coding, Advanced Rolling Code and Rolling Code, with green interchangeable cover with soft lines and essential design
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The transmitter has ARC coding as factory setting. However, it is possible to change the coding by using it in Rolling Code or even in mixed coding (ARC and Rolling Code)
- If using mixed coding, the ARC can be set with the T1/T3 buttons and the Rolling Code with the T2/T4 buttons
- The HAPPY.4VA model allows users to set up to 9 channels, thanks to the option of activating the command by simultaneously pressing two buttons chosen by the user. This function allows avoiding accidental openings caused by pressing a button by mistake and is particularly indicated for use with alarm systems
- Covers in three different colours are available as accessories, respectively for the version with 2 or 4 channels (FLIP.2/FLIP.4)
- Easy access to the battery and to the transmitter type, located on the front under the coloured cover



#### FLIP.2

Package of 2-channel covers for HAPPY transmitters. Contains 10 pieces for each available colour: orange, light blue and yellow.  
**Package of 30 pcs.**



#### FLIP.4

Package of 4-channel covers for HAPPY transmitters. Contains 10 pieces for each available colour: orange, light blue and yellow.  
**Package of 30 pcs.**



#### ONE.2WO

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



#### ONE.2WB

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



#### ONE.2WI

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



#### ONE.4WB

4-channel receiver with full-range power supply (115-230 Vac/dc) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



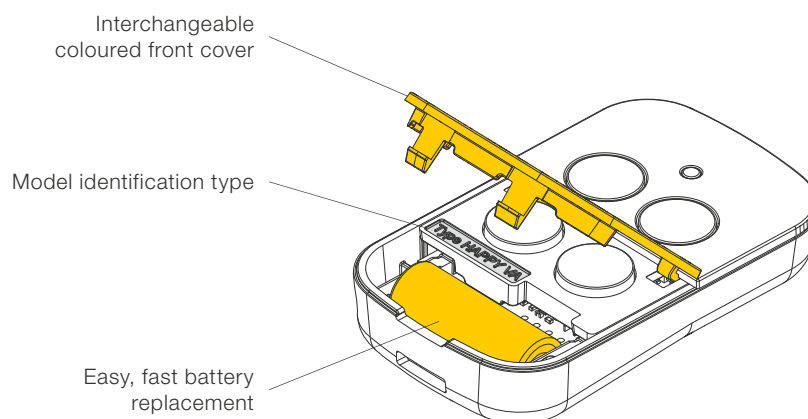
### HAPPY.2VA

2-channel transmitter with Advanced Rolling Code and Rolling Code.



### HAPPY.4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



#### MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



#### AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



#### RG58 MT5

AWO antenna cable L = 5 m.



#### AW

433.92 MHz stylus antenna for external installation, equipped with a shielded 3 m RG58 cable.



#### BT12

12 V Battery, for transmitter. Available in 50 pcs packing.



# HAPPY AK

## TRANSMITTERS WITH DOUBLE CODING, ADVANCED ROLLING CODE AND FIXED CODE

Compatible with the most common fixed code transmitters

2 and 4 channels



### Training

Guide to the procedure of copying fixed codes and enabling ARC codes. Watch the video.

- 2 or 4-channel transmitter with double coding, Advanced Rolling Code and Fixed Code, with wine-red interchangeable cover with soft lines and essential design
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The transmitter allows expanding the convenience of remote duplication (without having access to the installation), typical of Fixed Codes, even with ARC. HAPPY.AK transmitters can become duplicates of fixed code transmitters, but they can also be enabled to operate systems with Advanced Rolling Code
- It is possible to associate each button with different types of coding (Advanced Rolling Code or Fixed Code) independently
- Covers in three different colours are available as accessories, respectively for the version with 2 or 4 channels (FLIP.2/FLIP.4)
- Easy access to the battery and to the transmitter type, located on the front under the coloured cover



#### FLIP.2

Package of 2-channel covers for HAPPY transmitters. Contains 10 pieces for each available colour: orange, light blue and yellow.  
**Package of 30 pcs.**



#### FLIP.4

Package of 4-channel covers for HAPPY transmitters. Contains 10 pieces for each available colour: orange, light blue and yellow.  
**Package of 30 pcs.**



#### ONE.2WO

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



#### ONE.2WB

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



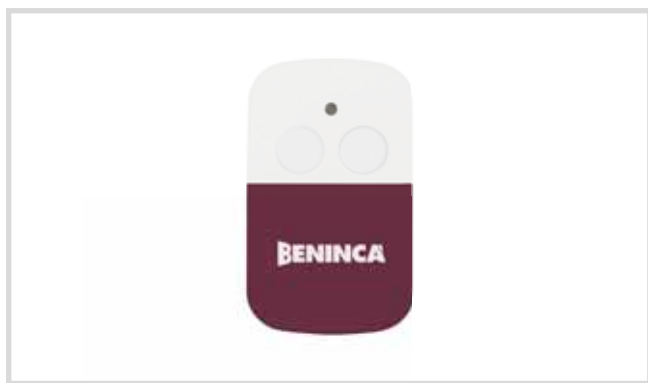
#### ONE.2WI

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



#### ONE.4WB

4-channel receiver with full-range power supply (115-230 Vac/dc) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



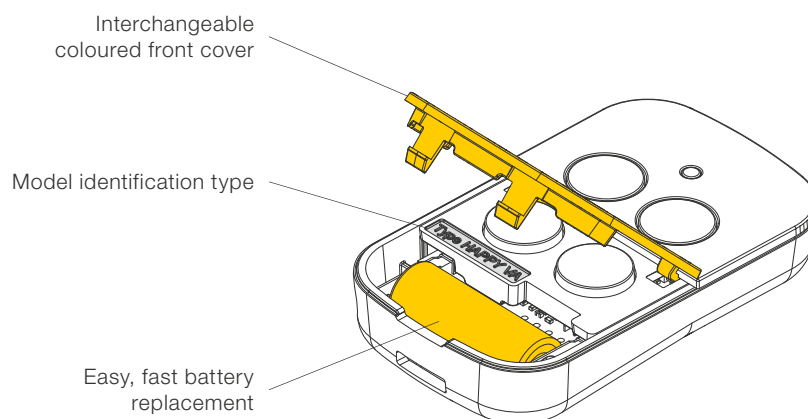
### HAPPY.2AK

2-channel transmitter with Advanced Rolling Code and Fixed Code.



### HAPPY.4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



#### MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



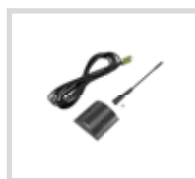
#### AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



#### RG58 MT5

AWO antenna cable L = 5 m.



#### AW

433.92 MHz stylus antenna for external installation, equipped with a shielded 3 m RG58 cable.



#### BT12

12 V Battery, for transmitter. Available in 50 pcs packing.





# IRI.TX

## TRANSMITTERS WITH DOUBLE CODING

4 channels



iride  
passione italiana



### Configuration and list of available channels (IRI.TX4VA, ARC only):

 CH1	 CH5
 CH2	 CH6
 CH3	 CH7
 CH4	 CH8
 hidden button	 CH9



## Training

Guide to the procedure of copying fixed codes, enabling ARC codes and changing coding. Watch the video.

- 4-channel transmitter with an elegant, refined design, made of high quality materials with distinctive finishing
- Front plastic parts have a double finish, which highlights the contrast between glossy and matt, and a metal key ring
- 12 V battery for long lifespan



### ONE.2WO

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



### ONE.2WB

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



### ONE.2WI

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



### ONE.4WB

4-channel receiver with full-range power supply (115-230 Vac/dc) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



### MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



### AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



### IRI.TX4VA

- 4-channel transmitter with double coding, Advanced Rolling Code and Rolling Code
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The transmitter has ARC coding as factory setting. However, it is possible to change the coding by using it in Rolling Code or even in mixed coding (ARC and Rolling Code)
- If using mixed coding, the ARC can be set with the T1/T3 buttons and the Rolling Code with the T2/T4 buttons
- The IRI.TX4VA model allows users to set up to 9 channels, thanks to the option of activating the command by simultaneously pressing two buttons chosen by the user. This function allows avoiding accidental openings caused by pressing a button by mistake and is particularly indicated for use with alarm systems



### IRI.TX4AK

- 4-channel transmitter with double coding, Advanced Rolling Code and Fixed Code
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The transmitter allows expanding the convenience of remote duplication (without having access to the installation), typical of Fixed Codes, even with ARC.
- IRI.TX4AK transmitters can become duplicates of fixed code transmitters, but they can also be enabled to operate systems with Advanced Rolling Code
- It is possible to associate each button with different types of coding (Advanced Rolling Code or Fixed Code) independently
- Compatible with the most common fixed code transmitters



#### RG58 MT5

AWO antenna cable  
L = 5 m.



#### AW

433.92 MHz stylus antenna for external installation, equipped with a shielded 3 m RG58 cable.



#### BT12

12 V Battery, for transmitter.  
**Available in 50 pcs packing.**



# ONE.2



## UNIVERSAL RECEIVERS | 2 CHANNELS

433,92 MHz



### ONE.2WO

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. Encoding learned after first transmission with the transmitter.

433,92 MHz



### ONE.2WB

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, in box. Encoding learned after first transmission with the transmitter.

433,92 MHz



### ONE.2WI

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, plug-in. Encoding learned after first transmission with the transmitter.

868 MHz



### ONE.2QB

868 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, in box. Encoding learned after first transmission with the transmitter.



#### MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



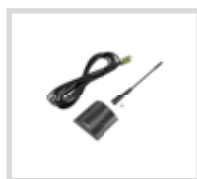
#### AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



#### RG58 MT5

AWO antenna cable L = 5 m.



#### AW

433.92 MHz stylus antenna for external installation, equipped with a shielded 3 m RG58 cable.



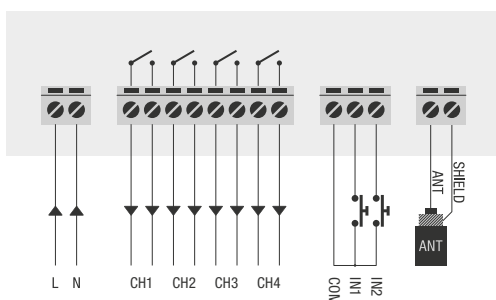
# ONE.4WB

512

## UNIVERSAL RECEIVER | 4 CHANNELS



- 4-channel receiver with wide-range power supply (115÷230 Vac/dc) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The first transmitter associated sets the type of coding accepted by the receiver
- Equipped with cabled inputs, 4 230V 5A relay outputs and a removable EEprom memory device with 512 codes
- Possibility to set the type of contact to use in the inputs (NO or NC)
- The output relay switching types can be set as monostable, bistable or time-phased
- Possibility to set a password on the display to guarantee maximum security against tampering by third parties
- The new "rEcn" function permits consultation and viewing of the positions of memorised transmitters and then to proceed to delete individual transmitters easily and quickly
- "SAFE" operation logic can be activated on alarm systems: channel 1 activates only if pressed for over 3 sec



### MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



### AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



### RG58 MT5

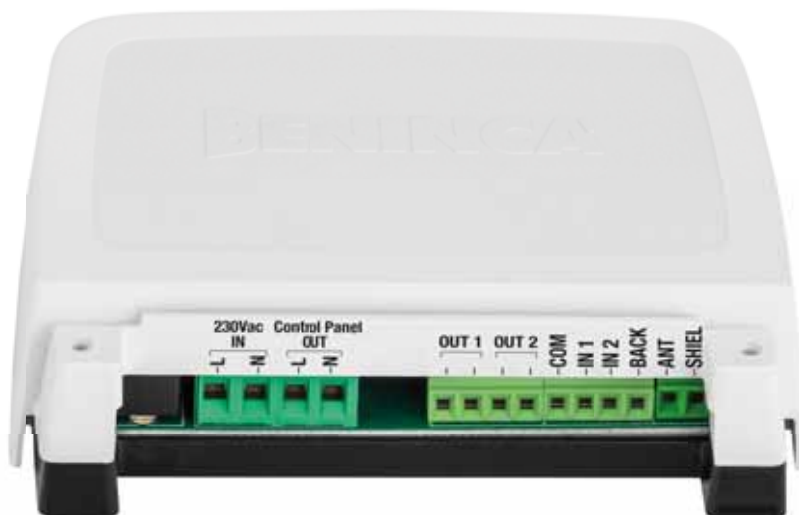
AWO antenna cable L = 5 m.



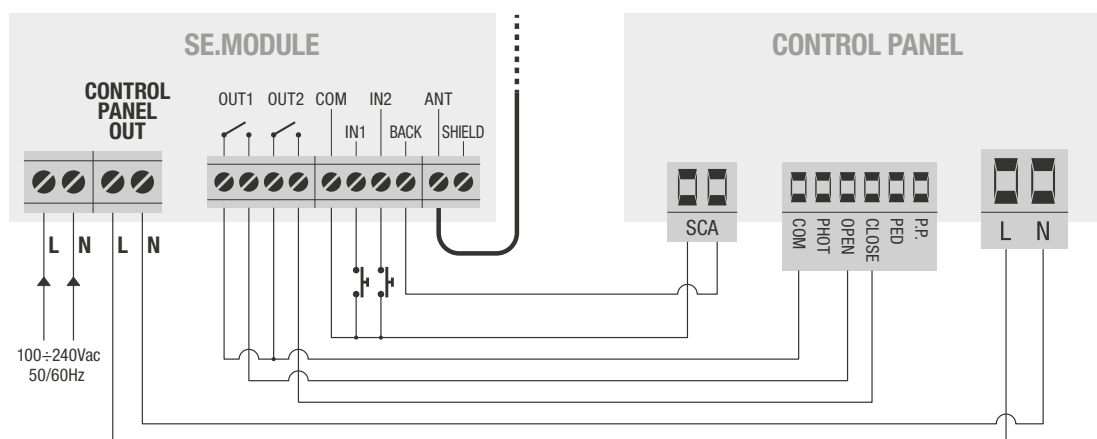
# SE.MODULE



**UNIVERSAL MODULE THAT ALLOWS  
STANDBY POWER CONSUMPTION IN ACCORDANCE  
WITH EUROPEAN REGULATION (EU) 2023/826**



- Electronic module for adapting new or existing systems to European standby Regulation 2023/826  
Eco-friendly design in force since May 2025
- The system can be applied to all automation systems in residential contexts
- **Module consumption in standby mode less than 0.5 W**
- Equipped with 2 signal inputs and 2 outputs for wired connection and command replication, 1 power output for managing a device, 1 input for status feedback
- Integrated radio receiver with 120 storable codes with encodings: ARC, Rolling Code HCS, Fixed Code
- The module can only be used with control units with 230 Vac power supply
- Dead man's control or battery operation is not possible





# ONE.2WB-MS



## RECEIVER WITH TRIPLE CODING TO CREATE "MASTER" TRANSMITTERS



### Training

Find out more  
by visiting the  
FAQ page.

- 433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac , 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, in box; it makes possible to create "master" transmitters to protect the receiver from tampering
- There are two levels of security applicable to the system: maximum security, it involves the exclusive use as "master" of any transmitter set with ARC coding (AK, VA, A series) and basic safety, also using TO.GO4-MS series transmitters as "master". In this second case, by using this special type of transmitter it is possible to create copies of the master and associate a different master for each channel, managing up to 4 master with a single transmitter
- It is possible to associate the role of "master" to a maximum of three transmitters already stored in the receiver, in both the chosen security levels
- The procedure for transforming a transmitter into "master" is quick and easy. It is possible to associate the role of master to a transmitter, set with ARC coding, only after having memorized it inside the receiver. At the time of storage it is also necessary to associate the channels of the receiver. The slave transmitters, subsequently enabled by the master to open the system, will have the same channels authorization as the original master
- The insertion of slave transmitters for controlling the automation can take place in two ways: remotely by using the "master" radio control and an AK series transmitter, or physically by going to the system and using the master transmitter to open the receiver's memory. This procedure is valid using, as master, both transmitters of the series A, VA, and AK and the TO.GO4-MS models



#### TO.GO4-MS

4-channels transmitter with coding that allows, after storing the transmitters in the ONE.2WB-MS receiver, to duplicate the transmitter that has become master as many times as desired. Up to a maximum of 4 master remote controls can be associated to each TO.GO4-MS transmitter.



#### KONE2WB-MS

Kit composed of 1 x radio receiver ONE2WB-MS and 3 x 2-channel transmitters TO.GO2VA with Advanced Rolling Code and Rolling Code.



#### MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



#### AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



#### AW

433.92 MHz stylus antenna for external installation, equipped with a shielded 3 m RG58 cable.



# WARNING DEVICES AND SIGNALS

SIGNAL  
AND  
COMMAND

flashing lights	<div>IRI.LAMP</div> <div>IRI.LAMP-Y</div> <div>STAR</div> <div>XLB.L</div>
digital keypad	<div>IRI.KPAD INOX</div> <div>IRI.KPAD</div> <div>IRI.KPAD-C</div> <div>BE.CODE</div> <div>BE.PLAY</div>
key selector	<div>TOKEY</div> <div>TOKEY.E</div> <div>TOKEY.I</div> <div>CH</div>
push buttons	<div>PNO</div> <div>PNC</div> <div>IPB.NO</div> <div>IPB.NC</div>
transponder devices	<div>TEO</div> <div>TEO CARD</div> <div>BE.PROXY</div> <div>BE.READ</div>



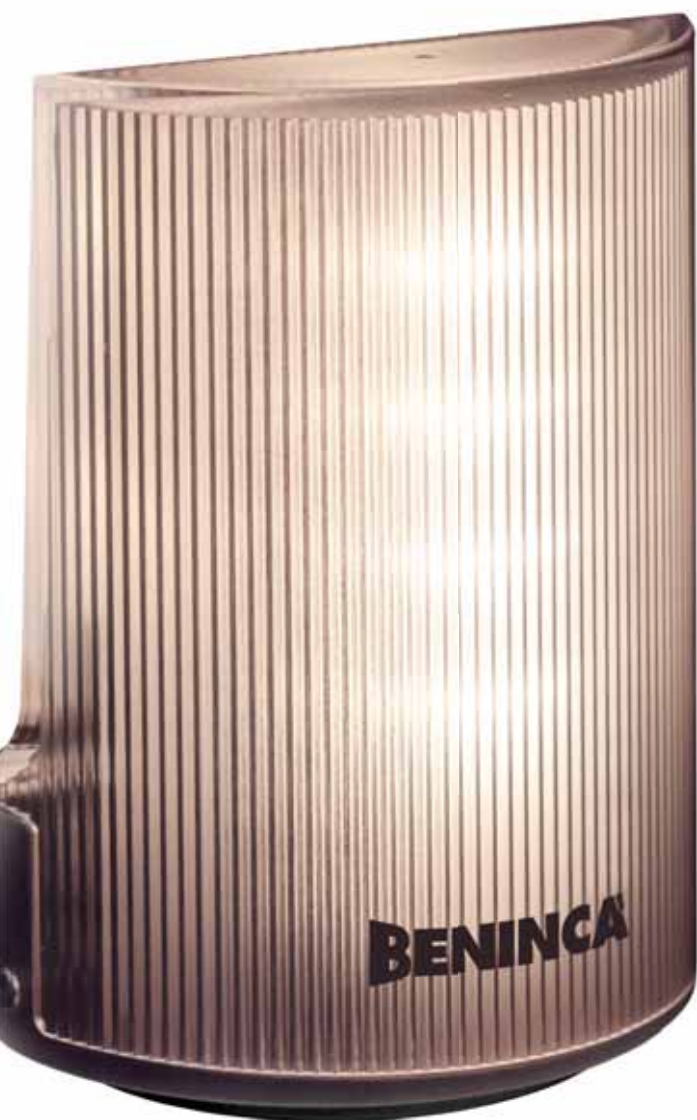


## DETECTION AND SAFETY DEVICE

photocells & accessories	photocells	<b>PUPILLA.B</b> <b>PUPILLA</b> <b>PUPILLA.T</b> <b>FTC.S</b> <b>PIXEL</b> <b>KREX</b> <b>IRI.CELL</b>
	columns	<b>POL.05</b> <b>POL.12</b> <b>COL05N</b> <b>COL10N</b> <b>COL12N</b> <b>COL.P</b> <b>COL.BY</b>
	laser sensors	<b>LSR.D50</b> <b>LSR.D99</b> <b>LSR.B</b>
safety devices	radar	<b>OVS-01GT</b> <b>OVS-02GT</b> <b>OVS-01CC</b> <b>EVOLOOP</b>
	conductive safety edge	<b>RF.SUN</b> <b>RF</b> <b>SC.RF</b> <b>SC.RES</b> <b>SC.90</b> <b>SC.L</b> <b>SC.EN</b>
	mechanical safety edge	<b>SC.R15</b> <b>SC.R71</b> <b>SC.R72</b> <b>SC.M71</b> <b>SC.M72</b> <b>SC.F15</b> <b>SC.F20</b> <b>SC.F25</b>
	pneumatic safety edge	<b>SC.P35</b>
	instruments for the measuring of the impact- generated forces	<b>BLUE FORCE SMART PRO</b>



# FLASHING LIGHTS



## STAR

- 12 ÷ 255 Vac / 14 ÷ 255 Vdc flashing light with built-in antenna
- The flashing light stands out for its lines of horizontal light guaranteed by a reflective internal element, the positioning of the LEDs and the pattern of the outer cap
- The presence of the internal refracting element, in addition to offering the possibility of having the flashing light in orange, with the STAR.ORANGE accessory, diffuses the light evenly, ensuring maximum aesthetic effect
- Quick and easy to install thanks to its small dimensions and to the cable access possible from the bottom or alternatively on the back
- Can be attached to the wall or, in the case of pillars with projections, using an AF.S spacer accessory





### IRI.LAMP

Flashing white light, 20 ÷ 255 Vac/dc with integrated antenna. Equipped with a flashing function as a standard feature, but can also be installed in systems that already have this function (useful for maintenance of older systems). Reduced energy use thanks to one of the lowest absorbed power figures on the market (1 W). Option of wall mounting thanks to a bracket included in the package. Fast and easy to install, IRI.LAMP can also be set up as a fixed light.



### IRI.LAMP-Y

Flashing yellow light, 20 ÷ 255 Vac/dc with integrated antenna. Equipped with a flashing function as a standard feature, but can also be installed in systems that already have this function (useful for maintenance of older systems). Reduced energy use thanks to one of the lowest absorbed power figures on the market (1 W). Option of wall mounting thanks to a bracket included in the package. Fast and easy to install, IRI.LAMP can also be set up as a fixed light.



### STAR

Flashing light 12 ÷ 255 Vac / 14 ÷ 255 Vdc with integrated antenna.



### XLB.L

Flashing light with 24 Vdc power supply. Intermittent or fixed signal lighting can be selected. Requires antenna.



#### RG58 MT5

AWO antenna cable L = 5 m.



#### AF.S

Column mounting bracket for STAR flashing light.



#### STAR.ORANGE

Orange internal refractive element for STAR flashing light. Pack of 2 pcs.



# DIGITAL KEYPAD



## IRI.KPAD

- Vandal-proof digital keypad with aluminium casing, polished glass-effect front panel and chrome-plated mechanical metal buttons with LED back-lighting
- Quick and easy to install IRI.KPAD comes in two versions, wireless and wired. For both versions, an access password can be set to protect the system from unauthorised persons changing the settings
- Acoustic and visual confirmation feedback provided by dual coloured central LED
- Option of setting a 3-minute keypad block after 5 attempts

### Wired version:

- Possibility to function in two modes, stand alone or remote control
- Direct connection of the keypad to the control unit (stand alone) allows the memorisation of 30 PINs
- Remote control mode, with connection of the keypad to the BE.REC accessory, allows the memorisation of up to 254 PINs and guarantees maximum security against intrusion
- There is no need to wake it up

### Wireless version:

- Management of three different types of coding: Advanced Rolling Code, Rolling Code and Fixed Code
- Can memorise up to 254 PINs
- Manages Administrator PIN and User PIN to allow maximum flexibility in configuration and simple installation (personalisation of PINs for different users, deactivation of individual users, activation without the need to intervene on the receiver)
- Equipped with 3.6V (1400 mAh) lithium battery ensuring a long lifespan
- It is possible to use the IRI.KPAD as a proximity switch by sending a command to wake up the keypad
- Free Air Delivery 100 m



Find out the products  
of the IRIDE line.  
Watch the videos.



### IRI.KPAD INOX

Battery-operated wireless vandal-proof digital keypad (3.6 V 1/2 AA) with stainless steel front panel. With alert buzzer and backlit buttons. Triple coding: Advanced Rolling Code, Rolling Code and Fixed Code. It can memorise up to 254 PINs. Green (OK) and Red (KO) LED indicator lights.



### IRI.KPAD

Battery-operated wireless vandal-proof digital keypad (3,6 V 1/2 AA). With alert buzzer and backlit buttons. Triple coding: Advanced Rolling Code, Rolling Code and Fixed Code. It can memorise up to 254 PINs. Green (OK) and Red (KO) LED indicator lights.



### IRI.KPAD-C

Wired 12/24 Vac/dc vandal-proof digital keypad. With alert buzzer and backlit buttons. 30 storable PINs in stand-alone mode, 254 storable PINs with the BE.REC accessory. Green (OK) and Red (KO) LED indicator lights.



### BE.CODE

Battery-operated wireless digital keypad (3 V CR123A). Numerical membrane keys to guarantee maximum activation sensitivity. Triple coding: Advanced Rolling Code, Rolling Code and Fixed Code. It can memorise up to 254 PINs, manage Administrator and User PINs, and provide the option of memorising User PINs at a later time without working on the receiver.



### BE.PLAY

Vandal-proof wired digital keypad in metal, with illuminated numerical keys in stainless steel. Requires BE.REC decoder. Memorizes up to 250 PIN.



#### ONE.2WO

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



#### ONE.2WB

433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



#### BE.REC

24 Vac/dc 2 channels decoder for BE-PLAY. Operating mode: bistable or time. It is possible to connect up to 4 BE-PLAY. Relay output max 500 mA. Memory capability up to 254 codes.



#### KC-BEPLAY

Adapter for BE-PLAY digital pad on COL10N / 12N columns.



#### COL10N

Pair of disassembled columns equipped with base and support for selector CH or keypad PNO/PNC. Optional installation of BE-PLAY keypad with KC-BEPLAY accessory. H= 1 m

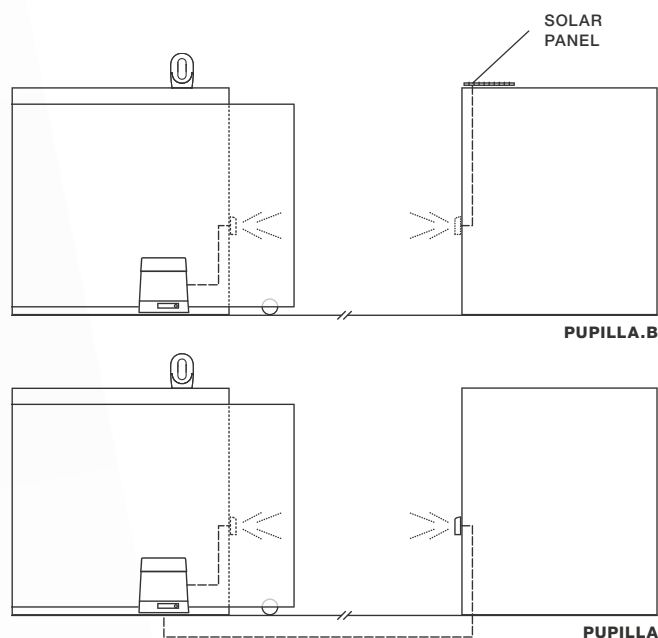


#### COL12N

Pair of disassembled columns equipped with base and support for keypad PNO/PNC, photocell FTC.S and proximity reader BE.PROXY. Optional installation of BE-PLAY keypad with KC-BEPLAY accessory. H= 1 m



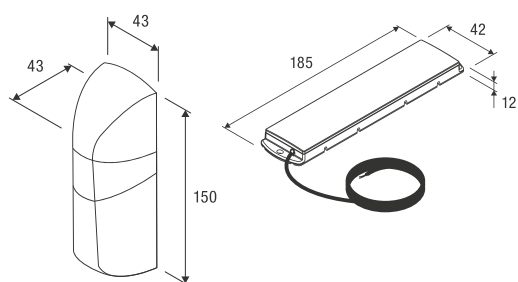
# PHOTOCELLS



## PUPILLA.B

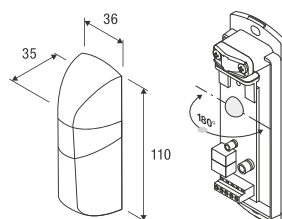
- Photocell's transmitter powered by battery
- The innovative battery charging system using a photovoltaic panel represents an authentic novelty distinguishing PUPILLA.B, guaranteeing maximum safety and perfect operation to any plant
- Possibility of connecting up to 2 photovoltaic panels in case of non optimal climate conditions
- Continuous operation without any need of maintenance
- PUPILLA.B allows compliance with safety regulations even on installations that do not have incorporated safety systems thanks to the transmission of the controls even on moving gates
- The photocells can be oriented in different directions to make installation even easier

### □ PUPILLA.B



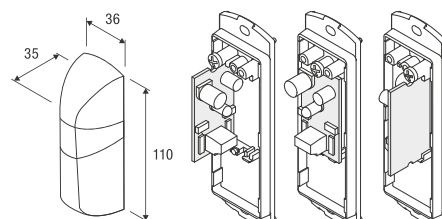
### □ PUPILLA

Rotation through 180° allows the alignment of the photocells irrespective of the way they are fixed to the base.



### □ PUPILLA.T

Allows the circuit to be adjusted in three positions as shown in the drawing below.





### PUPILLA.B

Pair of externally fitted photocells, turning through 220°, photovoltaic panel to charge transmitter battery. Presence of LED with diagnostic function.



### PUPILLA

Pair of photocells adjustable to 180°, 22 ÷ 30 Vac / 20 ÷ 28 Vdc power supply. Possibility to synchronise up to 4 pairs. Easy adjustment through a LED that signals optimal alignment.



### PUPILLA.T

Pair of adjustable photocells with three positions, power supply 14 ÷ 30 Vac / 12 ÷ 30 Vdc. Option to mount 2 pairs close together without synchronization.



### FTC.S

Pair of photocells for external mounting on post, 24 Vac/dc power supply. Option to synchronise up to 4 pairs.



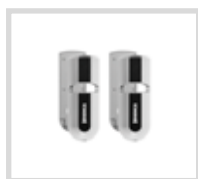
### PIXEL

Pair of photocells for recessed mounting, 24 Vac/dc power supply. Option to synchronise up to 4 pairs. P.D not included.



### KREX

Compact photocell with double lens equipped with reflector, 24 ÷ 240 Vac/dc power supply.



### IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.T photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



### SF

Lateral support for FTC.S photocells. **2 pcs packing.**



### KB.FTCS

Mounting support for new series of FTC.S photocells, ideal to install on BISON series motors and EVA, LADY, VE.650 road barriers. **Package of 10 pcs.**



### KC.FTCS

Mounting support for new series of FTC.S photocells, ideal to install on columns. **Package of 10 pcs.**



### P.PD

Plastic built-in mounting box for PIXEL. **Package of 6 pcs.**





# TRANSPONDER DEVICES



- TEO SYSTEM, the new proximity scanning and management system for opening residential and professional automations by means of transponder tags (TEO) or cards (TEO CARD)
- The automation is opened when the TEO transponder approaches the BE.PROXY scanner which, dialoguing with the receiver, gives the command to open the gate, the door, or any controlled device
- The system operate with a frequency of 13.56 MHz, standardised all over the world
- 250 memorisable cards or tags (TEO, TEO CARD)
- Reading distance 2-5 cm
- 2 programmable relay output channels
- Possibility to control one of the two relay outputs with a card, or both outputs with a single or double passage of the card or tag
- Possibility to memorise the cards and tags one by one with the BE.READ, or in remote mode with the BE.PROXY, using a master card

**TEO**

Transponder device in the shape of a key holder.  
Packaging: 10 pcs.

**TEO CARD**

Transponder device in card format.

**BE.PROXY**

Proximity reader for TEO/TEO CARD externally fitted, to be used with the BE.READ receiver. Reading distance 2-5 cm.

**BE.READ**

Two-channel receiver for BE.PROXY reader. With two relay outputs. Timed or bistable operating mode. Memory capacity 250 cards/tags.



# PUSH BUTTONS



## PNO

Surface mounting push buttons with 2 normally open contacts. To be fitted on COL10N pillar.



## PNC

Surface mounting push buttons with a normally open contact and a normally closed contact. To be fitted on COL10N pillar.



## IPB.NO

Industrial surface mounting push buttons with 2 normally open contacts.



## IPB.NC

Industrial surface mounting push buttons with a normally open contact and a normally closed contact.



## COL10N

Pair of disassembled columns equipped with base and support for selector CH or keypad PNO/PNC. Optional installation of BE-PLAY keypad with KC-BEPLAY accessory. H= 1 m



# KEY SELECTOR

**TOKEY**

Surface mounting key selector.

**TOKEY.E**

Surface mounting key selector with European cylinder.

**TOKEY.I**

Built-in mounting key selector. IP67 Water proof limit switch.

**CH**

Aluminium key selectors with watertight micro-switches. For external mounting it requires KE adapter.

**COL10N**

Pair of disassembled columns equipped with base and support for selector CH or keypad PNO/PNC. Optional installation of BE-PLAY keypad with KC-BEPLAY accessory. H= 1 m

**KE**

Outdoor case for key selector CH.

**KI**

Built-in mounted for CH key selector.

**ID.SK**

Neutral key for CH/TOKEY.



# COLUMNS



## POL.05

Pair of disassembled columns, not premounted, equipped with base and bracket for PUPILLA photocells. Option of installing and orienting up to 2 pairs of photocells.

**H= 0.5 m**



## POL.12

Pair of disassembled columns, equipped with base and bracket for PUPILLA photocells. Option of installing and orienting up to 4 pairs of photocells.

**H= 1 m**



## COL05N | COL12N

Pair of disassembled columns equipped with base and support for keypad PNO/PNC, photocell FTC.S and proximity reader BE.PROXY | BE.PLAY can be installed with KC-BEPLAY accessory.

**COL05N: H= 0.5 m**

**COL12N: H= 1 m**



## COL10N

Pair of disassembled columns equipped with base and support for selector CH or keypad PNO/PNC. BE.PLAY can be installed with KC-BEPLAY accessory.

**H= 1 m**



## COL.P

Pair of columns with base and lid, for PUPILLA/PUPILLA.T photocells.

**H= 0.5 m**



## COL.BY

Pair of columns in anodized aluminium with base, for PUPILLA/PUPILLA.T photocells.

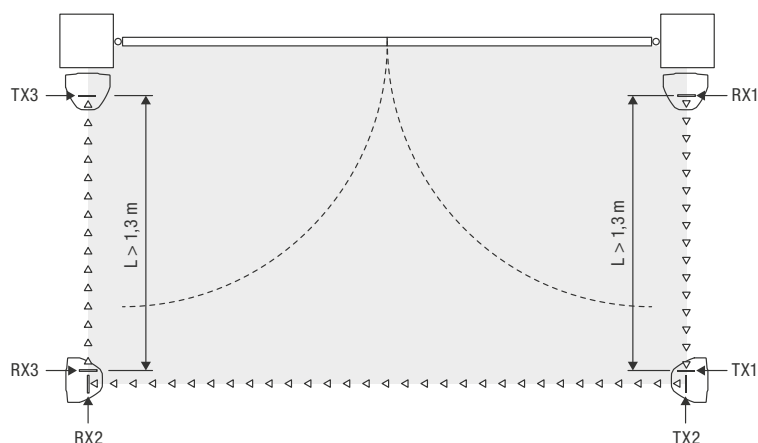
**H= 0.5 m**



## CEM

Counterplate to be cemented for COL10N base.

### □ EXAMPLE OF PERIMETER PROTECTION WITH POL.05/12





# LASER AND RADAR SENSORS



## OVS-01GT

Dual technology sensor (FMCW microwave radar and ultrasound) for detecting the presence of vehicles and activating automatic systems for gates, barriers, or industrial doors. The elevated installation, e.g. on a column, requires no ground work, detects a vehicle arriving at a speed of between 2 and 20 km/h and coming to a stop. It can replace a ground sensor or a video sensor. Maximum detection distance 5.5 meters. 90° and 45° detection.



## OVS-02GT

Sensor for detecting the presence of vehicles and activating gates and barriers. Elevated installation, for example on a column, requires no ground work and detects a vehicle approaching at a speed of up to 35 km/h and coming to a stop. It can replace a ground loop and functions as a "virtual loop". Maximum detection distance 8 m. Programming via Bluetooth using the "Virtual Loop" app for iOS and Android. 90° and 45° detection.



## OVS-01CC

Microwave sensor for counting vehicles in single-lane applications. Installed at a height of 50 cm above the ground, the detector is capable of counting vehicles at a distance of 8 m arriving at speeds between 2 and 60 km/h. It can replace an in-ground loop. 90° detection.



## COL.P70

Single anodized aluminum column with base, for OVS-01GT, OVS-02GT, or OVS-01CC.  
H= 0,7 m



### LSR.D50

Laser sensor for industrial doors used for optimal safety at and around the door threshold. It is suitable for industrial environments and has a detection zone of max. 5.5 x 5.5 m.



### LSR.D99

Laser sensor for industrial doors used for optimal safety at and around the door threshold. It is suitable for industrial environments and has a maximum detection area of 9.9 x 9.9 m.



### LSR.B

Laser sensor for automatic barriers used to open, protect, and/or detect presence. Offers great flexibility in defining the width and depth of the detection zones (max. detection range of 9.9 m x 9.9 m).



### EVOLOOP

Activation and presence detector with FMCW radar technology, for use with automatic barriers. Thanks to the 140° field of view and 7 m range, up to 3 virtual loops can be configured independently. It represents an alternative solution to the installation of magnetic loops and photocells. Programmable via integrated buttons and LEDs or via Bluetooth and iOS or Android app.



#### LZR

Vandal-proof bracket for mounting on road barriers, compatible with LSR.B sensors.



#### LZR-BA

Column or ceiling-mounting bracket for LSR series sensors.



#### EVOLP.CV

Metal cover for EVOLOOP sensor.



#### EVOLP.BR

90° mounting bracket for EVOLOOP sensor.



#### EVOLP.CELL

Vandal-proof metal housing for EVOLOOP sensor.



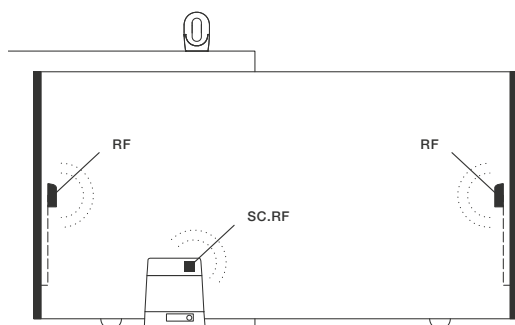
#### TX.LSR

Remote control for the adjustments of LSR sensors.

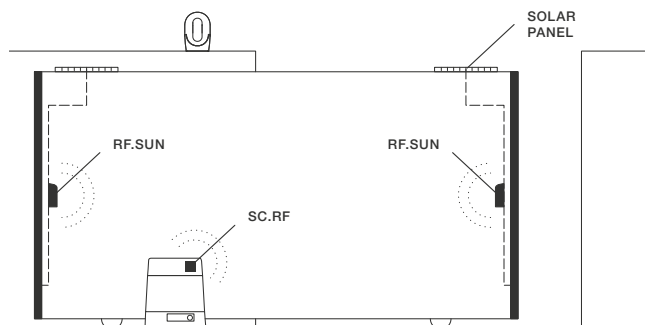


# RF.SUN RF SC.RF

## □ RF + SC.RF APPLICATION



## □ RF.SUN + SC.RF APPLICATION



- Radio frequency system composed of an 868 MHz transmitter, model RF / RF.SUN combined with the SC.RF receiver
- It allows two-way radio communication between the device installed on the mobile edge of the gate and powered by a battery (connected to a safety sensitive edge) and the receiver
- The absence of wires on the mobile gate device makes it particularly suitable for sectional and industrial doors and for the protection of mobile edges on sliding gates
- The transmitter is available in two models: RF.SUN with a rechargeable battery by means of a photovoltaic panel and RF with a non rechargeable battery
- Both models have an input for the connection of an 8K2 sensitive edge or a mechanical edge, protection level: IP55
- The SC.RF receiver, powered with 12/24 Vdc, is equipped with an autotest function and 2 relay for connection to the electronic control units
- The new BENINCA device therefore allows the securing of industrial systems, without requiring connection cables in the mobile part of the gate and thus making installation easier on existing systems
- Complies with standard EN12978



### RF.SUN

868 MHz Battery-operated system recharged through a photovoltaic panel to be applied on a mobile edge. The photovoltaic panel grants the maximum system's autonomy.



### RF

Device with non-rechargeable battery to mount on a safety edge. Battery guaranteed to last 2 years.



### SC.RF

Receiver for safety edge 12/24 Vdc with self-testing function. n.2 outputs for connection to electronic control units.





# SAFETY DEVICES



## SC.RES

Safety edge in conductive rubber. 28.5 mm Width. 25 mm Height. Minimum packing: 20 m.



## SC.R15

Rubber profile, 15 mm high, for SC.M71 / SC.M72 / SC.A. Packing: 25 m.



## SC.A

Aluminium profile for SC.RES / SC.R15. Packing 2 m.



## SC.90

Angular device set for SC.RES.



## SC.L

Linear device set for SC.RES.



## SC.EN

Electronic interface card for 8k2 sensitive edges, to be used with electronic devices without input for resistive sensor, or in the case of connecting 2 resistive sensors to a control unit. Conforms to standard EN12978.



## SC.R71

Rubber profile, 70 mm high, for SC.M71. 1.5 m long.



## SC.R72

Rubber profile, 70 mm high, for SC.M72. 2 m long.



## SC.M71 | SC.M72

Mechanical safety edge, 1.5 m. Mechanical safety edge, 2 m. Compatible with SC.R15 / SC.R71 / SC.R72.



## SC.P35

Pneumatic safety edge with plugs and aluminium profile. Packing: 40m.



## SC.F15 | SC.F20 | SC.F25

Flush-mounted safety edge. Available in lengths of 1.5 m, 2 m or 2.5 m.



## ID.TA




Warning board.




### □ INSTRUMENTS FOR THE MEASURING OF THE IMPACT-GENERATED FORCES








BlueForce Smart Pro is a state-of-the-art measuring instrument designed to assess conformity and acquire CE certification for gates and motorised doors. Its distinctive features include a GSM and GPS interface for maximum IoT connectivity, fast data transmission to the Cloud portal and compatible web devices such as PCs, smartphones and tablets. In addition, the instrument offers the possibility of assigning measurement references compliant with the regulations, evaluating parameters according to EN12453 and accurately measuring continuous thrust force. BlueForce Smart Pro is a guarantee of excellence when it comes to measurements for gates and motorised doors.




ALPHABETIC  
CATALOGUE




		
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AU.45BL	9117011	95
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AU.45ZL	9868040	95
AU.65	9623004	95
AU.C25	9099021	97
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AWO	9076062	198
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B5.SR	981900931	33
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BILL4024 [R]	9592562	45
BILL40M [L]	9592125	45
BILL40M [R]	9592124	45
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BILL50M [L]	9592103	45

		
BILL50M [R]	9592102	45
BISON.P35	9623066	87
BISON.P45	9623067	87
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BISON35 OTI	959002854	87
BISON35 OTI L	959103005	87
BISON45 OTI	959002868	87
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BOB30M	9591535	31
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BOB5024E	9591328	33
BOB50M	9591022	33
BOB50ME	9591023	33
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BRAINY	9176213	143
BRAINY PLUS	917603674	142
BRAINY.P	9176252	143
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BRAINY24.CB-SW	976000841	152
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BRAINY24PLUS	917603712	152
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BUFFALO.P160	962306837	89
BUFFALO160 OTI	959004369	89
BUFFALO160 OTI SC	959003991	89
BULL HE REVERSE	959001760	75
BULL.CA	914401906	71
BULL.P-1	962302600	61
BULL.P3	9623006	61
BULL.PI	9623005	71




		
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BULL1024SE.S	959003987	63
BULL10M	9592323	71
BULL10M.S	9592317	71
BULL1224 TURBO	9592656	73
BULL1224 TURBO.S	959000976	73
BULL1224T.CB	976000964	173
BULL1524SE	959002634	77
BULL1524SE.S	959002904	77
BULL15M	9592324	71
BULL15M.S	9592318	71
BULL17 OMI	9592569	79
BULL17 OMI.S	959201445	79
BULL20 HE	959000924	81
BULL20 HE.S	959001492	81
BULL20M	9592325	81
BULL20M.S	9592339	81
BULL20T	9590578	81
BULL424SE	959003654	63
BULL424SW	959001893	61
BULL624 TURBO	9592632	67
BULL624 TURBO.S	959000904	67
BULL624SE	959002693	63
BULL624SE.S	959003637	63
BULL624SW	959002765	61
BULL624T.CB	976000963	173
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BULL6MLT SE	959007213	65
BULL8 OM	9591523	69
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BULL8M	9591522	69
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CABLE VN.ESW 5	9171128	111
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DA.LB	9230031	187
DA.RB	9760042	137
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DIVA.5	908302311	122
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DIVA.TL	917602416	121
DIVA3.AB	966702213	121
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DU.350CF	915006963	57
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DU.350FC	9567001	57
DU.350FX	959002775	53
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DU.350N	9590695	57
DU.350NGE	9592374	57
DU.350NV	9590753	57
DU.350NVE	9592029	57
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JACK24.50	959001493	105
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KBULL8M	9598116	68
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# GENERAL TERMS OF SALE

These Terms of Sale apply to all Sales of Products, at the time of signing the contract or of confirming the order. If there is a conflict between these Terms and the conditions and terms agreed for an individual sale or in any existing commercial contract, the latter will prevail. AUTOMATISMI BENINCÀ shall not be bound by the General Terms of Purchase of the Customer in any circumstance, unless it has given prior consent in writing. AUTOMATISMI BENINCÀ has the right to modify any article in these Terms; any additions, modifications or cancellations shall apply to all sales concluded as from the thirtieth day after the official communication to Customers of the change made.

## DEFINITIONS

- AUTOMATISMI BENINCÀ: the joint stock company Automatismi Benincà S.p.A., in the person of its legal representative pro tempore, with head office in Italy, Sandrigo, Via Capitello no. 45, VAT number 02054090242.
  - CUSTOMER: any subject (natural or legal person) who purchases the Products and who is not covered by the definition of Consumer according to the Consumer Code.
  - DATE OF DESPATCH: the date of the transport document.
  - PARTIES: means AUTOMATISMI BENINCÀ S.p.A. and the Customer.
  - PRODUCTS: are the Products listed in the catalogue of AUTOMATISMI BENINCÀ, latest version, with the described technical specifications. It is stressed that all illustrative material is merely indicative. The Products may be modified or taken out of production by Automatismi Benincà at any time.
- 1) PRICE OF THE PRODUCTS: The prices of the goods are those established in the price list in force at the time of order, which the Customer declares that he knows and accepts; the price list in force cancels all previous ones. AUTOMATISMI BENINCÀ SpA may modify the price list; this modification will be notified to Customers and will be applicable to orders received as from the thirtieth day after said communication. AUTOMATISMI BENINCÀ always reserves the right to modify the price list unilaterally, if said modification is required by circumstances beyond its control: in this case the variation may take effect immediately.
- 2) TRANSPORT: The goods are sold ex works AUTOMATISMI BENINCÀ SpA- SANDRIGO (VI), as the term is defined in the Incoterms of the International Chamber of Commerce, in the most updated version. The parties may choose a different term, with an agreement in writing; whatever term they choose, it will be interpreted according to the latest version of INCOTERMS®. The goods travel at the Customer's own risk, even if sent carriage paid. No complaints are accepted five days after receipt of the goods, even with reference to any difference in the products with respect to the type and quantity indicated in the order. A complaint within the term may not give rise to cancellation or reduction of the order by the Customer, nor to any payment of compensation of any kind by AUTOMATISMI BENINCÀ SpA. Any return of goods for credit must be authorised beforehand by AUTOMATISMI BENINCÀ SpA and the goods must be sent carriage paid.
- 3) RETENTION OF OWNERSHIP: The products shall remain the property of AUTOMATISMI BENINCÀ SpA until the date on which AUTOMATISMI BENINCÀ SpA receives payment of the entire price of the products supplied. In performing his activity, the Customer shall have the right to sell these products, or new products in which the ones supplied by AUTOMATISMI BENINCÀ SpA have been incorporated, in which case all the proceeds are to be transferred to AUTOMATISMI BENINCÀ SpA, up to the amount of the price owed by the Customer for the supply of the products. AUTOMATISMI BENINCÀ SpA shall have the right to notify the Customer of the revocation of the right to sell the Products in his possession and the ownership of which, under this clause of retention of ownership, has not yet passed to the Customer, if the Customer has remained in default for a period of more than seven working days with respect to the payment of any sum owed to AUTOMATISMI BENINCÀ SpA (as regards both these Products and any other goods or services supplied to the Customer by AUTOMATISMI BENINCÀ SpA). If AUTOMATISMI BENINCÀ SpA exerts the right contemplated in the previous paragraph, the Customer must place the products at the disposal of AUTOMATISMI BENINCÀ SpA who may access the Customer's premises to repossess them. While retention of ownership is pending, the Customer assumes the capacity, obligations and responsibilities of the keeper of the sold goods, according to art. 1766 and following articles of the Italian Civil Code. The Customer undertakes to fulfil all the obligations contemplated by the local laws to ensure that this clause of retention of ownership is valid and enforceable with third parties, making the required entries in any special register.
- 4) ORDERS: The order is received by AUTOMATISMI BENINCÀ SpA without any commitment and subordinate to the possibility of supply of the raw materials necessary for production. Any total or partial non fulfilments cannot give rise to complaints and reserves for damages. If the Customer cancels specific orders for the production of Products not in the catalogue, he is required to pay AUTOMATISMI BENINCÀ SpA compensation amounting to 30% (thirty per cent) of the cancelled order, without prejudice to the right to claim further damages. The orders regularly accepted by AUTOMATISMI BENINCÀ SpA cannot be cancelled by the Customer without the consent of AUTOMATISMI BENINCÀ SpA in writing. Please, it should be noted that AUTOMATISMI BENINCÀ S.p.A. will not accept orders for less than € 100,00 (EUR one hundred/00) VAT excluded, after discount and freight charges.
- 5) DELIVERY TERMS: The delivery terms run from receipt of the order and are expressed in terms of working days. They are indicative and not essential, according to art. 1457 of the Civil Code; consequently, any delays cannot give rise to claims for damages or to cancellation or reduction of the contract by the Customer.
- 6) FORCE MAJEURE: Besides those contemplated by the Italian Civil Code, the causes of force majeure that prevent the activity of the AUTOMATISMI BENINCÀ SpA factory and justify delay or interruption of the fulfilment of contracts, relieving AUTOMATISMI BENINCÀ SpA of the responsibility for delays or non delivery of products, also include the following, as an example without limitation: atmospheric events, earthquakes, fires, national, local or factory strikes, interruptions in transports and communications, scarcity of energy and of the necessary raw material. Breakdown of the machinery and production plants.
- 7) CONDITIONS OF PAYMENT: Payments must be made in Euro, with the terms and procedures indicated on the invoice. Payment in currency other than the Euro will be accepted only if agreed on beforehand in writing with AUTOMATISMI BENINCÀ SpA. If the Parties agree on payment by irrevocable documentary letter of credit, the same will be accepted by AUTOMATISMI BENINCÀ if sent at least sixty days prior to the date of delivery of the Products and if confirmed by an Italian bank approved by AUTOMATISMI BENINCÀ. After the set payment time, AUTOMATISMI BENINCÀ SpA may ask the Customer to pay interest due at the rate established by Legislative Decree 231/02. Once 5 (five) days have passed after the invoice falling due without payment having been made, AUTOMATISMI BENINCÀ SpA may suspend the execution and/or delivery of all other orders and cancel any similar sale or contract that may have been signed at that moment with the Customer. Any such measures undertaken by AUTOMATISMI BENINCÀ SpA do not give the Customer any right to claim compensation for damages.
- 8) GUARANTEE: Automatismi Benincà offers a conventional guarantee with a duration of 30 months from the date of production marked on the product itself. After 30 months the Customer expressly renounces the right of recourse concerning the legal guarantee with respect to Automatismi Benincà S.p.A., according to art. 131 of the Consumer Code. This right, if exerted within the terms, will not, however, be recognised if the conformity defect depends on incorrect installation by the Customer. It is pointed out that the legal guarantee does not cover all the further circumstances that cannot be attributed to defects in manufacture and/or conformity of the goods. Moreover, in no case can the Customer activate the guarantee if the price of the products has not been paid within the terms and on the conditions agreed or if he is in default, even with reference to other orders or products, with respect to AUTOMATISMI BENINCÀ SpA. By activating the conventional guarantee, the customer may request the repair or replacement of the product, on which free repair or replacement is guaranteed, at the discretion of AUTOMATISMI BENINCÀ SpA, respecting the terms of this guarantee and of the legal requirements. Any defects found must be promptly communicated to AUTOMATISMI BENINCÀ by registered letter with recorded delivery and within the terms indicated by law. In no case does either the legal or the conventional guarantee cover defects due to: negligence or carelessness in use, wear (e.g. failure to follow the instructions for operation of the product or lack of maintenance), installation or maintenance carried out by non authorised personnel, or in an incorrect way and/or not conforming with the instructions; damage during transport, tampering with the product (for example, removal of the labels), tampering with documentation, external agents, undersized product or incorrect product choice. The products that do not fall under these guarantee conditions may be sent to AUTOMATISMI BENINCÀ SpA, who may decide to repair or replace the goods according to the repair price list in force. The individual part repaired under or out of guarantee will be covered by a further guarantee period of 6 months.
- 9) RESPONSIBILITY: AUTOMATISMI BENINCÀ SpA shall not be responsible for damage resulting from defects in the products, save in the case of malice or gross negligence. Moreover, any responsibility shall derive only and absolutely from the provisions of Italian law. AUTOMATISMI BENINCÀ SpA shall not answer for more than the limit of liability of the Product Risk Insurance policy taken out by the company. AUTOMATISMI BENINCÀ SpA shall not be responsible for indirect damage such as, purely as an example, loss of earnings of the Customer.
- 10) INTELLECTUAL PROPERTY RIGHTS: The brands of which AUTOMATISMI BENINCÀ SpA is the owner or licence-holder, the patents, the designs or models, the know-how, the technical specifications and data of the products, the domain names containing the brand, are the total and exclusive property of AUTOMATISMI BENINCÀ SpA. The Customer recognises the ownership of these rights by AUTOMATISMI BENINCÀ SpA and undertakes to use them only according to the specific indications of AUTOMATISMI BENINCÀ SpA and in the exclusive interest of the latter, and exclusively for the duration of the contractual relationship between the parties, without this giving the Customer any right or claim. The Customer undertakes not to register, appropriate or ask for protection for any intellectual property right belonging to AUTOMATISMI BENINCÀ SpA. In particular, he undertakes not to register and declares that he has not registered the brands and domain names.
- 11) EXPRESS TERMINATION CLAUSE: Pursuant to and in accordance with art. 1456 of the Italian Civil Code, AUTOMATISMI BENINCÀ SpA may terminate the existing contract with the Customer in the case of non fulfilment of the obligations contained in the articles 7) Terms of Payment and 10) Intellectual property rights, of these terms of sale. Moreover, AUTOMATISMI BENINCÀ may terminate the existing contract with the Customer with immediate effect in the following cases:  
a) if the Customer is subject to insolvency proceedings or winding up, or if the state of the Customer's economic conditions is such as to lead it reasonably to be presumed that the Customer is insolvent; b) if the shares and/or quotas representing the majority or the control of the capital of the Customer are directly or indirectly transferred, assigned or held in escrow.
- 12) APPLICABLE LAW AND JURISDICTION: The obligations deriving from the relations between AUTOMATISMI BENINCÀ SpA and the Customer, these terms of sale and all the contracts (unless expressly stated otherwise in writing) are regulated by the Italian Civil Code and by Italian law. For any dispute and controversy concerning these general terms of sale or deriving from the contractual relationship between AUTOMATISMI BENINCÀ SpA and the Customer, the exclusive competent court shall be the Court of Vicenza, without affecting the faculty of AUTOMATISMI BENINCÀ SpA to protect its rights by referring the litigation to any Court that it thinks fit.
- 13) PROCESSING OF PERSONAL DETAILS: Informed pursuant to Art. 13 of the European Regulation 679/2016, the Customer shall agree that personal data will be treated for purposes related to the business activity and the contractual obligations currently in force (as an example, consultation, usage, statistical processing, communication to companies contractually bound to Automatismi Benincà etc.). The data controller is AUTOMATISMI BENINCÀ S.p.A. in the person of its legal representative. Procedures shall be implemented to process the said data so as to guarantee security and confidentiality. The Customer is entitled to receive information about the treatment of personal data, its modality and purposes, and request amendment, correction and/or integration, and cancellation of said data. Personal data shall be communicated to third parties in Italy or abroad for purposes of fulfilling the above-mentioned objectives. The complete regulation can be consulted on the webpage <https://www.benincà.com/page/privacy.html>
- 14) INTERPRETATION OF THE TEXT: The Italian text of these general terms of sale, even if drawn up in several languages, will be the only authentic text for the purpose of their interpretation.



# CODE OF ETHICS AND ORGANISATIONAL MODEL

Benincà has adopted an Organisation, Management and Control Model in accordance with Italian Legislative Decree 231/2001 to confirm, also at institutional level, a corporate culture based on lawfulness and fairness in which no illegal conduct is permitted, even if committed in the company's interest or to its advantage. The OMM is therefore an essential corporate tool for controlling the company's decision-making and operational processes. It is also a coherent system of principles, organisational, management and control procedures overseen by a Supervisory Board, which monitors the effectiveness of the Model and its correct application.

## THE ADVANTAGES OF ORGANISATIONAL MODEL 231

The adoption of the Organisational Model and establishment of the Supervisory Board are consistent with Benincà's ongoing commitment to improving through the implementation of a structured and suitable system for preventing the risk of any form of irregularity occurring in the performance of its activities and thereby limiting the danger of crimes being committed and guaranteeing the correctness and transparency of its work.

## WHY A CODE OF ETHICS?

The Code of Ethics outlines the company's values, mission and vision, its principles and its commitment to the future. It indicates its business goals and sets out the conduct and behaviours expected of those that interact with Benincà on a daily basis: partners, financial market, customers, internal and external collaborators and the community.

As part of the OMM, it represents the ideal backdrop to root a corporate development that promotes a culture of lawfulness and prevention of criminal risk, where ethics means social consciousness but also environmental awareness and responsibility for the world in which the company operates.

## WHISTLEBLOWING

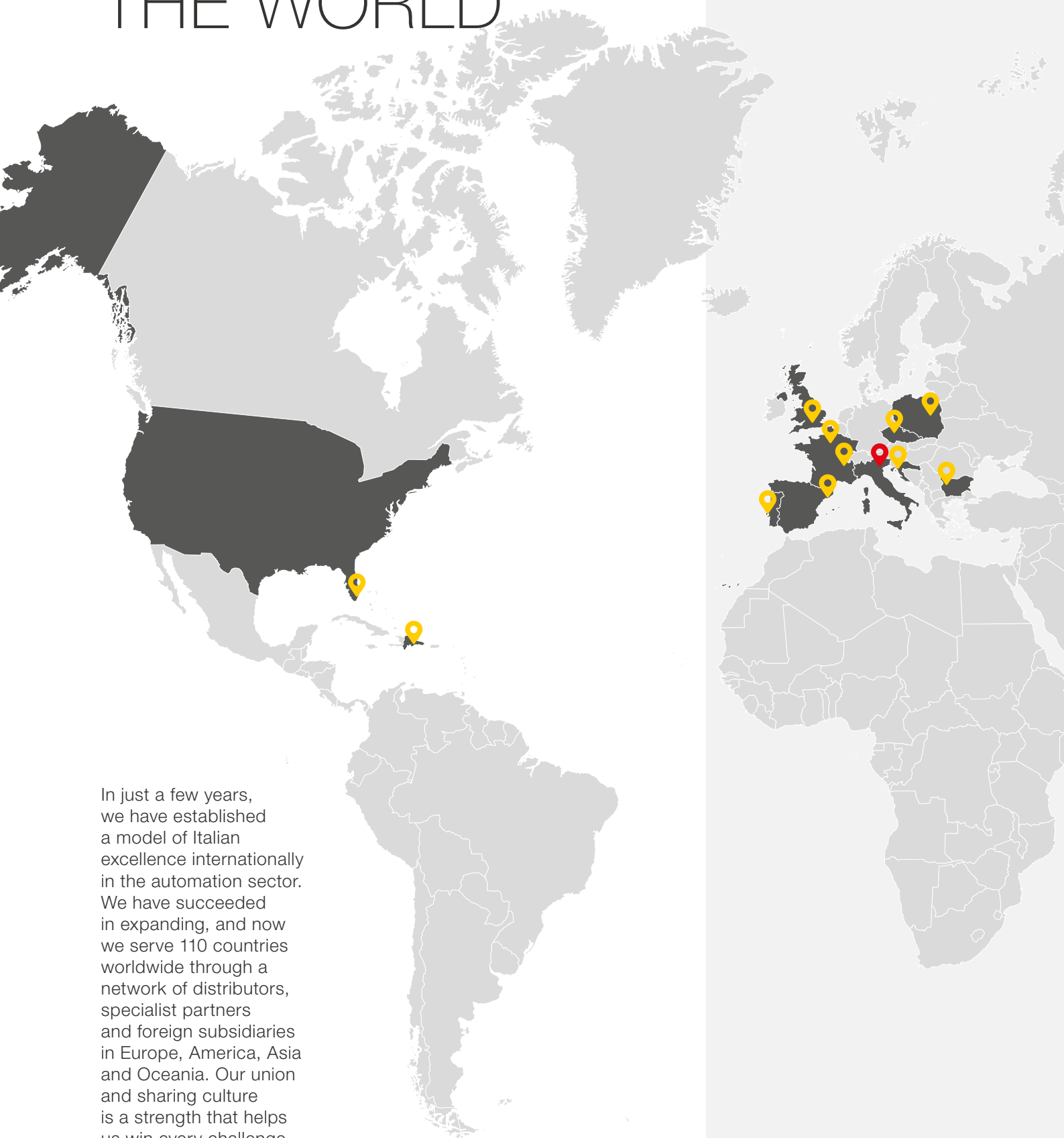
The ability to quickly identify ethically incorrect behaviour is essential for ensuring compliance with our Code of Ethics and European Whistleblowing legislation. In light of this, the Benincà Group provides a portal ([wb.benincagroup.com](http://wb.benincagroup.com)) in which any irregularity that could cause damage or prejudice to Group companies or third parties can be reported to the SB and internal contact person. Anyone can file a report: employees, customers, partners, consultants, suppliers and, more generally, any third party.







# BENINCÀ AROUND THE WORLD



In just a few years, we have established a model of Italian excellence internationally in the automation sector. We have succeeded in expanding, and now we serve 110 countries worldwide through a network of distributors, specialist partners and foreign subsidiaries in Europe, America, Asia and Oceania. Our union and sharing culture is a strength that helps us win every challenge in the field of automation.



## Headquarters and production sites

### AUTOMATISMI BENINCÀ SpA

Sandrigio (Vicenza)

### HI-MOTIONS Srl

Sarcedo (Vicenza)

### MYONE Srl

Quarto D'Altino (Venezia)

### RISE Srl

Velo D'Astico (Vicenza)

### APROMIX RFID Srl

Bassano del Grappa (Vicenza)

### SEAV Srl

Osimo (Ancona)

### CAB

Velo D'Astico (Vicenza)

## European subsidiaries

Bulgaria

### BESIDE Ltd

Sofia

France

### BENINCÀ FRANCE S.A.R.L.

Saint Priest

France

### BENINCÀ FRANCE AGENCE NORD OUEST

Villebon sur Yvette

England

### BENINCÀ UK Ltd

Newbury

Poland

### BENINCÀ POLONIA Sp. z o.o.

Czosnów

Portugal

### B2U PORTAS E AUTOMATISMOS

Venda do Pinheiro

Czech Republic

### BENINCÀ CS s.r.o.

Praga

Spain

### BENINCÀ NORTE S.L

Barcellona

Croatia

### BENINCÀ AUTOMATIKA D.O.O.

Viškovo

## Subsidiaries outside Europe

Australia

### BENINCÀ AUSTRALIA PTY Ltd

Sidney

India

### BENINCÀ INDIA

Bangalore

Dominican Republic

### BENINCÀ DOMINICANA

Santo Domingo

USA

### BENINCÀ USA

Miami



# THE BENINCÀ GROUP

**BENINCA**  
GROUP

Benincà Group is made up of 8 brands, born from the need to respond specifically to the demands of increasingly demanding markets, through products that combine tradition and innovation, exploiting synergies and shared know-how. A dream that has come true to give shape to specialization objectives that have always been pursued. A group capable of sharing skills, know-how and experience by designing solutions that allow us to improve and secure the movement of things and people in the world.





Automation devices for doors and gates for residential and industrial use, and traffic barriers



Accessories for sliding gates, cantilever gates, swing gates and industrial doors



Automatic sliding and swing doors and electronic control accessories



Automatic, semi-automatic and fixed bollards, turnstiles and pedestrian access points



Smart systems for access control, RFID and Industry 4.0



Electronic solutions for access control and automation management



Automation devices for shutters, hydraulic automation devices for gates, blinds and rolling shutters



Automation system kits for residential use for gate automation



# HI-MOTIONS

## OPENING SOLUTIONS

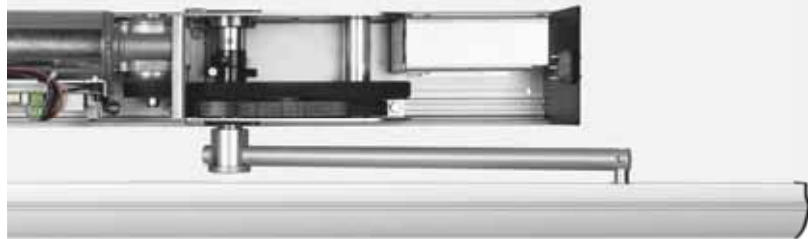


HI-MOTIONS became part of the Benincà Group in 2009. The production of gate accessories combined with experience in the automation sector. The synergy between these two different but related fields paved the way for the development of products and solutions with high technological content designed for professional users. The range of HI-MOTIONS products comprises accessories for sliding gates, cantilever sliding gates, swing gates, industrial doors and manual barriers. The company mission can be summarised as "Opening Solutions": solutions for all types of closures, guaranteeing reliability but above all flexibility.





# MYONE AUTOMATIC DOORS



my<sup>1</sup>ne

Automatic swing and sliding doors: this is the specialization of MYONE. The company operates in industrial and urban contexts with a product created and designed for professionals that guarantees maximum functionality through a simple and intuitive access to technology. Over the years, the range of products has been expanded thanks to investments and accurate decisions. Today, the company is able to supply a complete range of automated devices developed on the basis of its experience, professionalism, research and design.





# RISE SMART MOVING



**RISE**  
Smart  
Moving

RISE is the company in the Benincà Group specialised in security systems. Through the production of automatic, semiautomatic, fixed bollards and turnstiles, it deals with the regulation of vehicles' and people's movement daily securing public, industrial or private contexts. For the company, SMART MOVING is not only a payoff, but a promise of reliability that is achieved through the design and the continuous research of innovative solutions allowing you to improve mobility in the different daily contexts. A "clever" movement, as it includes a highly technological level, a promise that is confirmed every day through the constant research and development of the Benincà Group. Design and production are rigorously managed within the company allowing RISE to be one of the leading characters of Italianness in the world.





# APROMIX ACCESS CONTROL SOLUTIONS



Since 1991, Apromix has been developing and selling access control solutions also with RFID (radio frequency identification) systems that respond to customer needs with a high level of customisation in many contexts. The high quality solutions offered, include hardware development, distribution, installation and maintenance.





# SEAV ELECTRONIC SOLUTIONS



SEAV has been designing and manufacturing electronic solutions for the management of gate, garage doors, solar shading and pergola automations for 40 years. Technology, monitoring of production processes and R&D department that supports customers with custom projects are the strengths that make the company an industry leader. An entirely «made in Italy» product for an electronics increasingly closed to the needs of installers.



# CAB

## MORE THAN AUTOMATION



**CAB**  
MORE THAN AUTOMATION

Launched in 1992 by the founding partners of Automatismi Benincà, CAB immediately stood out for its high level of specialisation. Its product range has been expanded over the years and now comprises four different lines: shutter motors, hydraulic operators for swing gates and motors for awnings, shutters, windows and vasistas. The pay-off "More Than Automation" not only conveys the commitment to working for dedicated segments, but also the collection values that the company brings to the world through its products: passion, innovation and quality made in Italy.







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Part of the Benincà family

