CDVI
Security to Access

Catalogue

![CDVI - Security to Access]

CONTENTS

Keeping people safe since 1985

Since inception, the CDVI team has grown to become a global business. Now with 11 sales offices and over 300 people, our reach is worldwide.

Our commitment to you

We manufacture high performance access control solutions that make people's lives easier. Hundreds of products are backed by a 10-year warranty.

Quality in every single detail

Delivering best-in-class products is our top priority. We take testing seriously. Every key on every keypad is individually tested before it reaches the customer.

We are here for you

We are dedicated to providing expert technical support and training to our customers. Wherever you are, we speak your language and we always go the extra mile to help.

Automation

Encryption

Integration

Safety

Protection

Contact:

CDVI UK
+44 (0)1628 531300
sales@cdvi.co.uk
www.cdvi.co.uk

CDVI UK

Together, we're on a mission to deliver secure, reliable, and user-friendly access control to as many doors as we can.
Paul Ramsay, General Manager

Dear Reader,

Thank you for picking up this copy of the CDVI catalogue. I hope that it will be a useful and informative directory of our wide range of access control products and solutions.

My name is Paul, and I am the General Manager of CDVI in the UK. We are part of a global CDVI Group which is headquartered in Paris. Together, we're on a mission to deliver secure, reliable, and user-friendly access control to as many doors as we can.

This catalogue contains more than 500 products. From robust maglocks to high tech access control, next-generation biometrics, and discreet door automation, you'll find something for every project. We've organised it into categories to make things easier to find – check the Contents list on page 3. This edition of our catalogue contains more information than ever before. It's your go-to index of access control solutions, with detailed technical specifications, regulatory certifications, key features, and more.

Catalogue Highlights
I would like to draw your attention to some of the exciting additions to this catalogue. First of all, there's our ATRIUM online access control solution, which you'll find on page 6. ATRIUM delivers a unique combination of security and convenience, and puts you in control of your system. It's non-PC dependent, meaning you're no longer shackled to a single on-site computer for system administration. And it's a true two-door system. Every ATRIUM A22K controller supports up to two doors, whether your site needs a read in & RTE out format or a read in & read out solution. That means installing is quicker and more convenient, with less

disruptive cable-laying. And the less time needed for the installation, the greater the cost savings for you and your customers.

Next, there's ievo biometrics. With both fingerprint and facial recognition solutions, ievo delivers the ultimate in user convenience. Plus, ievo readers integrate with a wide range of access control and time & attendance systems, including ATRIUM. You're delivering your customers the peace of mind of security, accuracy, and reliability with ievo biometrics. Check out pages 50 to 59 for more information.

And finally, DIGIWAY is our fantastic door automation solution for swing doors. You'll find this section on pages 60 to 73. Smooth operation, a sleek design, and door operators tested to more than two million cycles make DIGIWAY a reliable and durable choice. To put that in context, in a building with 50 people using the door to enter in the morning and leave in the evening, that's enough cycles to last more than 56 years!

All for one, one for all
Our CDVI Group motto is "all for one, one for all" – and that applies to you, too! Delivering top quality products and exceptional service to our customers is our top priority. We're always here to help and we look forward to working with you!

Kind regards,
Paul Ramsay
General Manager

INSTALLER SUPPORT

Do you need assistance? You're not alone! There's many ways to get in touch with our Technical Support Team. We're available from **8:45am** to **5:15pm** Monday to Friday.

Support Centre
The Support Centre is an ever-growing library of FAQs and helpful videos to make it easy for you to solve queries independently.

Visit **support.cdvi.co.uk** or CDVI UK's **YouTube** page at **youtube.com/c/cdviuk**

Phone
Call us from 8:45am-5:15pm Monday to Friday for direct help from our in-house product experts.

Call **+44 (0)1628 531 300**

Web Chat
For quick questions and advice, visit our website and get in touch using our web chat service during normal opening hours.

Visit **www.cdvi.co.uk**

Email
If you have a question outside our normal hours, send us an email with your query. Photos are always helpful!

Email **technical@cdvi.co.uk**

Returns
Submit the form on our website to process RMA requests. For urgent requests send an email to returns@cdvi.co.uk.

Visit **www.cdvi.co.uk/support/returns**

Website
You can always leave us a note on our contact page with details of your query and we'll get back to you as soon as possible.

Visit **www.cdvi.co.uk/contact**

EXPERT TRAINING

Become a Certified Insaller with our free training programme
#cdviacademy

Benefits

✓ Specialise in CDVI products for **FREE**!

✓ Hands-on in-person training with an industry expert

✓ Appear on our 'Find an Installer' website page

✓ Renew training yearly and refer others

Our Courses

Intro to Access Control

Door Automation

ATRIUM Online Access Control
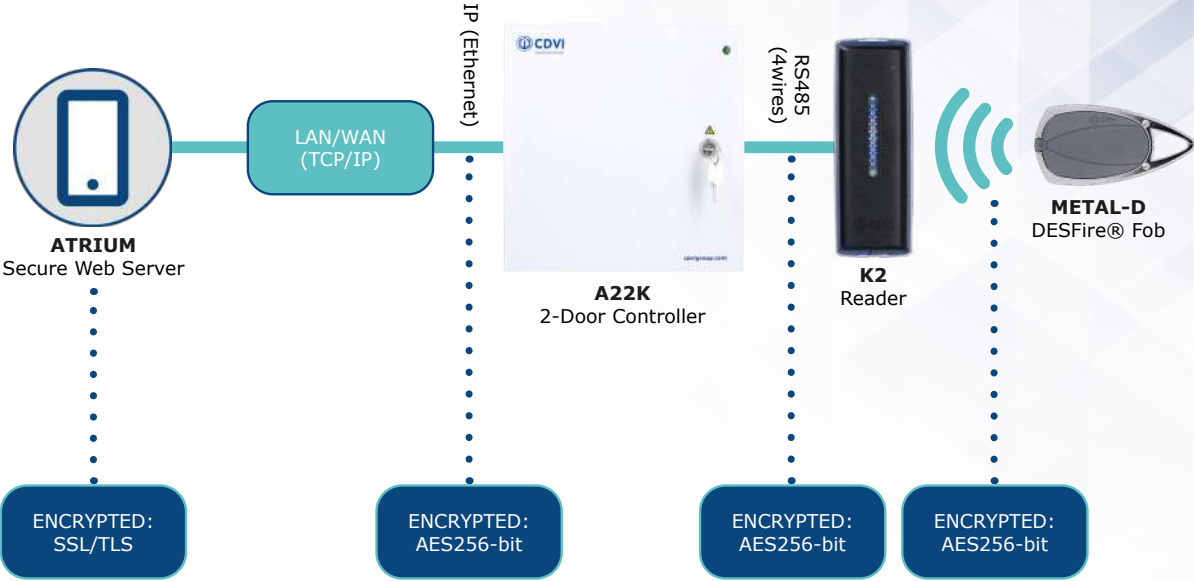
ievo Biometric Solutions

Earn CPD points!

CPD stands for Continuing Professional Development. It's a process of learning and growing your skills and knowledge as you work.

ATRIUM KRYPTO

Introduction

END-TO-END ENCRYPTION

10 YEAR WARRANTY

IP (Ethernet)

ATRIUM
Secure Web Server

LAN/WAN
(TCP/IP)

RS485
(4wires)

A22K
2-Door Controller

K2
Reader

METAL-D
DESFire® Fob

ENCRYPTED:
SSL/TLS

ENCRYPTED:
AES256-bit

ENCRYPTED:
AES256-bit

ENCRYPTED:
AES256-bit

AES stands for Advanced Encryption Standard. It is a type of cypher that protects the transfer of data through the internet. A cypher protects data by transforming the message in order to conceal its meaning.

Since being adopted by the United States government as its preferred method of encryption, AES has become a worldwide standard and one of the most common encryption protocols.

There are three possible key lengths in AES encryption: 128-bit, 192-bit, and 256-bit. the higher the bit-rate, the more possibilities of key combinations there are, and the higher the level of security. AES256 is virtually impenetrable using brute force methods, making it one of the most popular and trusted encryption solutions globally.

ATRIUM & KRYPTO

ATRIUM
ACCESS CONTROL

KRYPTO
HIGH SECURITY SOLUTION

- 2-door controller, 500 doors
- Floorplan Manager software
- High security ecosystem of ATRIUM

- 10,000 users
- One-click interlock for creating a secure area between doors
- Utilises end-to-end AES encryption

- Web-based management software for easy daily administration
- Immediate email alerts when specific security events occur
- KRYPTO makes card cloning a thing of the past

- Integrations: Texecom, Aperio, ievo, Schlage...
- Anti-passback to prevent sharing or stealing of credentials
- Unique authentication keys created by CDVI's algorithm

- No configuration card required - it works right out of the box

ATRIUM KRYPTO

10 YEAR WARRANTY

CDVI's High Security Online Access Control System

ATRIUM is a web-based access control system designed for easy installation and user convenience. It includes a free, user-friendly app and management software for fast, reliable control of single or multiple sites. Supporting up to 500 doors and 10,000 users, ATRIUM allows customised access control across different levels, ensuring both building-wide security and detailed internal access management. It also integrates smoothly with CCTV and security alarm systems for comprehensive oversight.

Powered by KRYPTO, ATRIUM ensures ultra-secure, end-to-end AES encryption for data communications, safeguarding information from credential to server. With automatic unique authentication keys, KRYPTO offers immediate high-security setup with no programming or complex setup needed. This system enables security managers to trust in consistent, accurate, and reliable protection for people, assets, and data in any environment.

Contents

www.cdvi.co.uk

## A22K | High security encrypted 2-door controller

KRYPTO
HIGH SECURITY SOLUTION

The A22K controller is the key component of CDVI's high security KRYPTO solution, with end-to-end military-grade encryption built in. The A22K makes high security mainstream and accessible for a range of industries. The KRYPTO solution eradicates the risk of card cloning and ensures that user data is kept safe and private.

IP2X   -20°C to +70°C
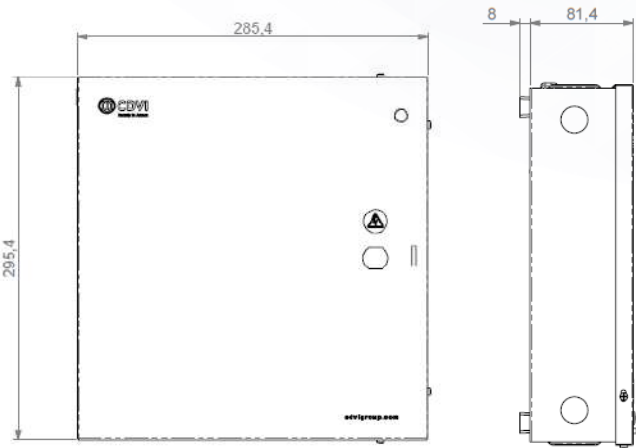
Management: Software & web-based

Capacity: 2 doors per controller, 500 doors, 10,000 users

Site management: Multiple site connection to one account (if each site has 49 controllers or less)*

VPN needed for remote site connection.

285,4
8   81,4
295,4

ACCESSORIES

KPROG
Desktop card enrolment device for ATRIUM

AIOM
10 input/output module

RELATED PRODUCTS

A22KPOE
High security PoE Ultra controller/expander

K4
Narrow high security encrypted MIFARE® DESFire® EV2 reader/keypad

	A22K
MATERIAL	Robust lockable metal case
MOUNTING	Surface
TECHNOLOGY	Compatible with proximity, MIFARE, and DESFire EV1/EV2 readers and credentials
SECURITY LEVEL	High security
USER LIMIT	Up to 10,000 users
TIME DELAY	From 1 to 254 sec
FREQUENCY	50/60Hz
DIMENSIONS	280 x 290 x 80 mm (case) / 124 x 199 x 30 mm (unit)
WEIGHT	3.16 kg
POWER SUPPLY	120 - 240 Vac
BATTERY	1x 12Vdc, 4.5Ah or 7Ah gel type battery

AFPLAN | ATRIUM Floorplan Manager licence

- View door status on a floorplan in real time from any web browser on any device
- Activate all door options in real time (locked, unlocked, access granted, etc)
- Easy to configure drag-and-drop interface
- Supports .jpg or .png file (1MB maximum upload)
- One Floorplan Manager per site
- Compatible with A22K encrypted controller only

ACPR | Numberplate recognition interface

- Compatible with any numberplate recognition camera with a 26-bit Wiegand output
- Assign vehicle registration plates to users in ATRIUM
- Ideal for securing residential or parking facilities
- Seamless single security environment
- Part of a comprehensive building management strategy

AVISION | CCTV interface module for ATRIUM access control

- CCTV interface for ATRIUM access control
- Compatible with Hikvision, Dahua, and ONVIF protocol cameras
- Live video streaming for up to 4 channels at a time
- Trigger CCTV pop-ups when access events occur
- Easy card-based licensing and registration

CONTROLLER MODES

10 YEAR WARRANTY

ATRIUM ACCESS CONTROL

Connect via TCP/IP
Connect via RS485

NETWORK

MASTER   **EXPANDER**

Connect via TCP/IP
Connect via RS485

SUB-IP   **EXPANDER**

Each A22K controller can be set in one of three modes: master, sub, or expander.

Master Controller

The master controller is the first one in your system architecture. Everything else is configured from the master. For a one-door or two-door system, you will only have a master controller.
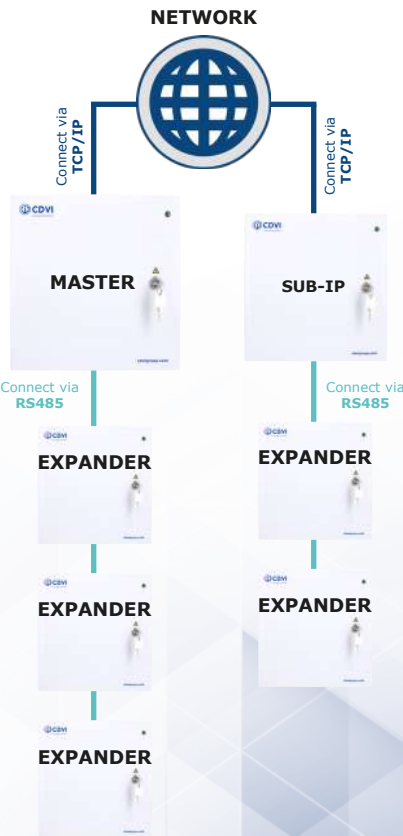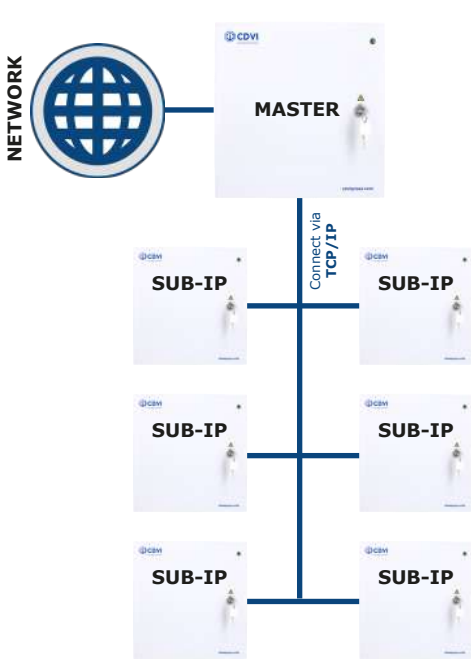
Sub-Controller (Default Setting)

Sub-controllers are connected to the network hub via TCP/IP. You can network up to 49 additional controllers as sub-IP controllers underneath the master.

Expander Controller

An expander controller is connected to either the master or a sub-controller via RS485. For every master or sub-controller, 4 expander controllers can be connected.

SYSTEM CAPACITY

You can choose how you build your ATRIUM system depending on the requirements of your project. For example, let's say you have 14 doors to control, and you're using A22K high security controllers in a read-in & read out format. Your two options are:

NETWORK

MASTER

Connect via TCP/IP

SUB-IP   **SUB-IP**

SUB-IP   **SUB-IP**

SUB-IP   **SUB-IP**

NETWORK

Connect via TCP/IP   Connect via TCP/IP

MASTER   **SUB-IP**

Connect via RS485   Connect via RS485

EXPANDER   **EXPANDER**

EXPANDER   **EXPANDER**

EXPANDER

Scaling up ATRIUM systems

For every master or sub-controller, you can add up to 4 expander controllers and network up to 49 sub-controllers to your master controller.

That means that in total, if you had one master and 49 sub-controllers, each with 4 expander controllers connected to them, you could control 500 doors read in & read out or read in & RTE out. In both cases, ATRIUM controls 500 doors. The A22K is a true 2-door and 4-reader controller.

Doors	1	2	3	4	5	6	7	8	9	10
A22K	1	1	2	2	3	3	4	4	5	5
Readers	2	4	6	8	10	12	14	16	18	20

ATRIUM FINDER & SOFTWARE

ATRIUM Finder

ATRIUM Web Browser (Server)

ATRIUM Software

Finder
- For intial setup of ATRIUM modules
- Locate the access control unit (ACU) on the network (LAN)
- Modify IP address settings
- Available as Windows software or as a mobile app

Web Browser (Server)
- Ideal for day-to-day management of ATRIUM access control
- Accessible from any device when connected on the same network
- No client licence required
- Web browser based - no operating system limitations

Software
- Set up advanced settings on the ATRIUM access control system
- Included in the software download file with ATRIUM Finder
- Recommended for initial setup
- Automatically synchronises with the ATRIUM web browser when turned on
- Live view of site when connected

Helps you locate the controller on the network for initial setup of your site.

Great for day-to-day activities such as: door & area management, event checks, management of credentials and users, lift control management, roll-call reports.

Advanced features include: access modes, relay setup, inputs, macros, lift control setup, full report generation (events, T&A), backups, lockdown feature, ievo isync integration

Up to 500 doors
Up to 10,000 users
Up to 1000 access levels
Up to 250 schedules
Up to 100 holidays
Up to 256 floors

SYSTEM REQUIREMENTS

Computer Requirements

Processor Type:
- x64 Processor: AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support
- x86 Processor: Pentium III-compatible processor or faster

Processor Speed:
- Minimum: x86 Processor: 1.0 GHz, x64 Processor: 1.4 GHz
- Recommended: 2.0 GHz or faster
- 1GB RAM (2GB recommended for superior performance)
- 6GB of hard disk is recommended; more for larger installations
- Ethernet access either through physical 10/100 Mbps Ethernet port or WiFi

Operating System Requirements

- Windows 10
- Windows 11
- Windows Server 2016

Other (available on the USB)

- .NET Framework 4.5.2
- MS SQL Server Express 2012 (x64 & x86)
- Microsoft Access Database Engine 2010
- VC++ 2015 Redistributable
- VC++ 2017 Redistributable
- Windows Installer 4.5
- Dot NET 4.6.1

ATRIUM KRYPTO
Kits

10 YEAR WARRANTY

A22KITK2

High security access control kit with readers & cards

Kit includes

- ✓ 1x A22K PCB board
- ✓ 2x K2 reader
- ✓ 1x METALD tag
- ✓ 10x BCD card credential
- ✓ 1x ATRIUM software (on USB)

A22KITK2-DM

High security access control kit with readers, cards & maglocks

Kit includes

- ✓ 1x A22K PCB board
- ✓ 2x K2 reader
- ✓ 1x METALD ag
- ✓ 10x BCD card credential
- ✓ 1x ATRIUM software (on USB)
- ✓ 2x V3SR electro-magnetic lock

A22KITK2-DS

High security access control kit with readers, cards & strikes

Kit includes

- ✓ 1x A22K PCB board
- ✓ 2x K2 reader
- ✓ 1x METALD tag
- ✓ 10x BCD card credential
- ✓ 1x ATRIUM software (on USB)
- ✓ 2x ARU-M ANSI strike

Get more hours out of your day
with ATRIUM

Our 2-door per controller system allows you to cut your installation time in half - giving you more control over your workload
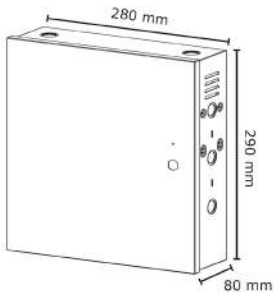
ATRIUM
ACCESS CONTROL

MODULES AND ENROLMENT DEVICES FOR ATRIUM

AIOM

10 input/output module

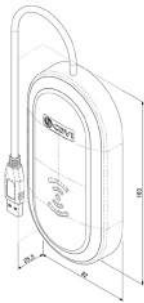-20°C to +70°C

280 mm
290 mm
80 mm

- Metal case for better security
- Built-in web server, PSU, and battery charger
- Ample room to make connections
- Up to 20 inputs using zone doubling technology
- Comprehensive LED status indicators
- RS485 connection to A22K

KPROG

Desktop card enrolment device for ATRIUM

IP IP54 IK IK10 -40°C to +70°C

- Simplified management of cards and tags
- Plugs directly into PCs via USB
- Compatible with ATRIUM web server and software
- Reads MIFARE Classic and MIFARE DESFire EV2/EV3 credentials
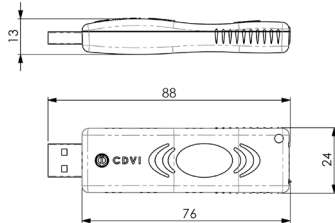- Visual feedback with LEDs
- Low power consumption

R125USB

Proximity USB enrolment reader for ATRIUM

R1356USB

MIFARE® Classic USB enrolment reader for ATRIUM

13
88
24
76

- Plug into USB port on your PC
- Quick way to enrol new proximity credentials
- Automatically enters credential code into Card field
- No additional driver required
- Works with Windows 10, Windows 11, and Windows Server 2016
- Portable and easy to transport between multiple sites

LISTED PRODUCTS

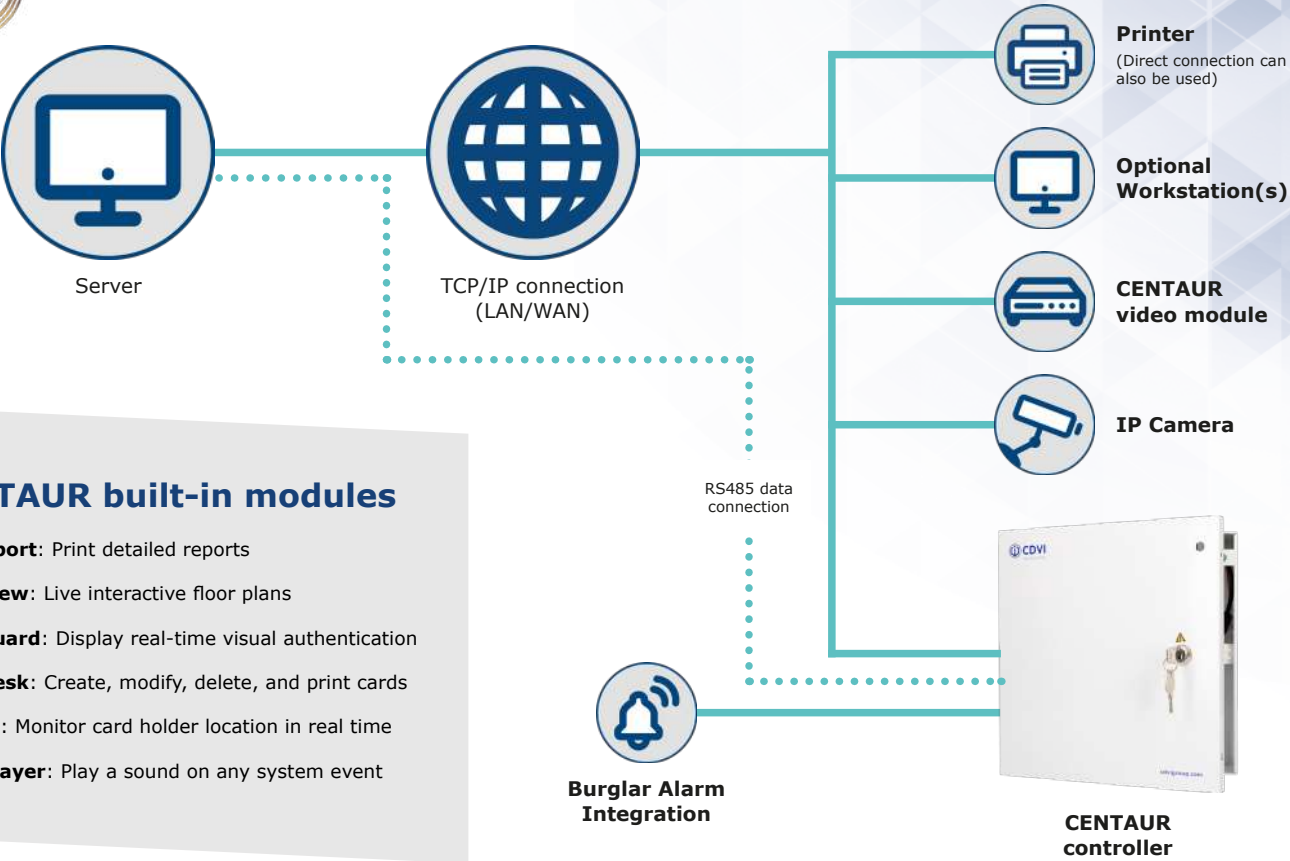| Reference	Description
A22K	High security encrypted 2-door controller
A22K-PCB	High security encrypted 2-door controller, replacement PCB
A22KPOE	High security PoE Ultra controller/expander
ACPR	Numberplate recognition interface
AFPLAN	ATRIUM Floorplan Manager licence
AIOM	10 input/output module
AVISION	CCTV interface module for ATRIUM access control
KPROG	Desktop card enrolment device for ATRIUM
R125USB	Proximity USB enrolment reader for ATRIUM
R1356USB	MIFARE® Classic USB enrolment reader for ATRIUM

AVAILABLE KITS

Reference	Description
A22KITK2	High security access control kit with readers & cards
A22KITK2-DM	High security access control kit with readers, cards & maglocks
A22KITK2-DS	High security access control kit with readers, cards & strikes

	AIOM	KPROG	R125USB	R1356USB
MATERIAL	Metal case	Polycarbonate & ZAMAK®	Polycarbonate	
MOUNTING	Surface (lockable metal case)	Desktop		
TECHNOLOGY	RS485 communication to A22K controller	MIFARE® Classic 13.56MHz & MIFARE® DESFire® EV2/EV3	Proximity	MIFARE® Classic
SECURITY LEVEL	Standard	High security	Standard	
FREQUENCY	n/a		125kHz	13.56MHz
DIMENSIONS	280 x 290 x 80 mm (case)	163 x 82 x 25.5 mm	88 x 24 x 13 mm	
POWER SUPPLY	12 Vdc	5 V	5 V (USB)	
CONSUMPTION	n/a	245mA (standby) / 270mA (in operation)	50 mA	

CENTAUR ENTERPRISE

Introduction

SYSTEM ARCHITECTURE

Server

TCP/IP connection (LAN/WAN)

Printer
(Direct connection can also be used)

Optional Workstation(s)

CENTAUR video module

IP Camera

RS485 data connection

Burglar Alarm Integration

CENTAUR controller

CENTAUR built-in modules

- **Pro-Report**: Print detailed reports
- **FrontView**: Live interactive floor plans
- **FrontGuard**: Display real-time visual authentication
- **FrontDesk**: Create, modify, delete, and print cards
- **Locator**: Monitor card holder location in real time
- **WavePlayer**: Play a sound on any system event

SYSTEM FEATURES

T&A management

Ensure authorised access to closed areas. Effectively monitor employee entry, absenteeism, and late arrivals

Guard tour

Check point validation and live alarms for time violations and exception report generation

Standalone operation

Guaranteed system functionality in the event of power failure

Parking management

Manually allocate or free up parking spaces. Activate 'Parking Full' sign when capacity is reached. Reporting generation.

Lift control

Manage permissions to specific floors - up to 64 floors per lift car. One swipe equals one floor selection.

Burglar alarm integration

Only authorised individuals are allowed access to disarm the system.

Video module

Associate an access control event with a video recording from a connected camera. Play back 60 seconds before & after the event. Capture a video frame image.

Visitor management

Monitor and record visitors on the premises. Previous visitors' details are saved for subsequent visits.

Asset management

Keep track of assets and check who is in possession and for how long.

CENTAUR ENTERPRISE

Manage Complex Multi-Sites With CENTAUR

CENTAUR is a sophisticated, integrated access control system developed by CDVI Ltd, offering a comprehensive solution for diverse environments. It is scalable from managing a single door to complex multi-site installations with numerous cardholders, ensuring unmatched flexibility. It supports up to 50,000 user cards and integrates seamlessly with existing systems for cost-effective upgrades, providing a versatile and reliable access control solution.

By replacing traditional keys with access cards, CENTAUR enhances security and streamlines operations. Cards can be deactivated instantly or tagged as lost, stolen, or invalid, and access privileges can be updated in real time without reissuing cards. The system features advanced functionalities like live interactive floorplans, elevator controls, video module integration, time and attendance tracking, parking management, and visitor monitoring. It offers robust security measures, including burglar alarm integration and detailed tracking of individuals. CENTAUR is designed for resilience, with standalone operational capabilities and backup batteries to ensure functionality during power outages.

Contents

C900IP | CENTAUR 2-door controller

The C900IP is the core of the CENTAUR access control system, managing up to 2,048 doors per site. It supports 256 schedules and access levels, with a capacity of up to 16,384 credentials per site, including digital fingerprints and codes. An on-board web page for controller address setting and IP address management enhances integration. Installers choose it for enterprise projects for its quality and reliability.

5°C to +55°C
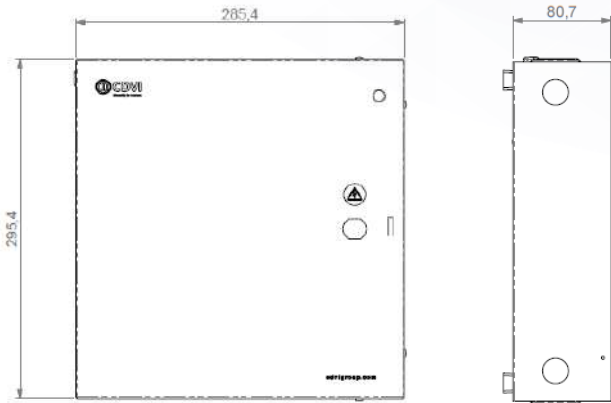
Management: Software based

Capacity: 2 doors per controller, door and user capacity dependent on software choice

Site management: Up to 64 individual connected sites per CENTAUR account*

*simultaneous connection for up to 100 sites with the Global edition software
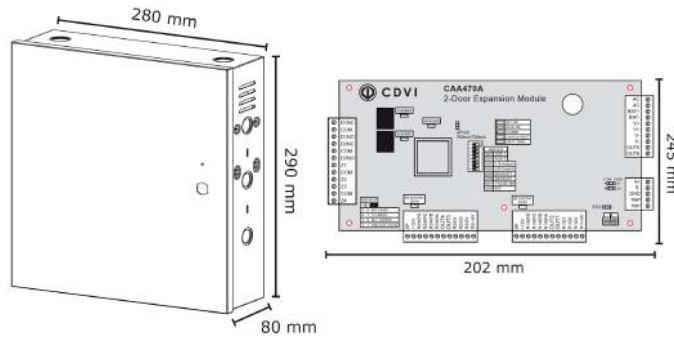
CAA470ATR | CENTAUR 2-door expansion module

Up to three CAA-470ATR expansion modules can be connected to each C900IP CENTAUR controller. Readers, keypads, locks, contacts and RTE buttons can all be connected locally with the CAA-470ATR by installing the expansion module close to the doors.

5°C to +55°C

Management: Software based

Capacity: 2 doors per expansion module, 2 x reader and lock outputs

Site management: Up to 64 sites per CENTAUR account

ACCESSORIES

CKTRAKL
Time and attendance display tracker module

RELATED PRODUCTS

CAA470ATR
CENTAUR 2-door expansion module

STARPB
Narrow style proximity reader

ACCESSORIES

B7AH
12Vdc 7AH rechargeable battery

RELATED PRODUCTS

C900IP
CENTAUR 2-door controller

GALEOW
Keypad with Wiegand output

C900IP	
MATERIAL	Metal case for additional security
MOUNTING	Surface
TECHNOLOGY	Compatible with proximity and MIFARE readers
SECURITY LEVEL	Standard to high
USER LIMIT	Up to 16,000 credentials per site
TIME DELAY	From 1 to 999 sec
DIMENSIONS	400 x 337 x 105 mm
WEIGHT	2.95 kg
POWER SUPPLY	240 Vac
CONSUMPTION	2500mA
BATTERY	1x 12Vdc, 4.5Ah or 7Ah gel type battery

CAA470ATR	
MATERIAL	Secure metal enclosure
MOUNTING	Surface
TECHNOLOGY	n/a
SECURITY LEVEL	Standard
USER LIMIT	n/a
TIME DELAY	n/a
DIMENSIONS	298 x 285 x 78 mm
WEIGHT	3.5 kg
POWER SUPPLY	16 - 40 Vac
CONSUMPTION	16Vac / 40VA
BATTERY	1x 12Vdc, 4.5Ah or 7Ah gel type battery

SOFTWARE LICENCES FOR CENTAUR

10 YEAR WARRANTY

LITE
- 1 site
- 512 cards per site
- 16 doors
- Not included
- 16 controllers per site

STANDARD
- 64 sites
- 2,048 cards per site *(max 131,072)*
- 128 doors per site *(max 8,192)*
- 64 lift cabs per site* *(max 4,096)*
- 32 controllers per site

Includes:
DVR Module
Parking Management
Visitor Management

PROFESSIONAL
- 64 sites
- 8,196 cards per site *(max 524,544)*
- 512 doors per site *(max 32,768)*
- 128 lift cabs per site* *(max 8,192)*
- 64 controllers per site

Includes:
DVR Module
Parking Management
Visitor Management
Additional Workstation Licence

ENTERPRISE
- 64 sites
- 16,384 cards per site *(max 1,048,576)*
- 2,048 doors per site *(max 131,072)*
- 512 lift cabs per site* *(max 131,072)*
- 64 controllers per site

Includes:
DVR Module
Parking Management
Visitor Management
Additional Workstation Licence

GLOBAL
- Global Communication
  2048 User Groups
  256 Access Levels
  256 Schedules
- 100 sites
- 512 lift cabs per site* *(max 131,072)*
- 16,384 cards per site *(max 1,048,576)*
- 64 controllers per site
- 2,048 doors per site *(max 131,072)*

Includes:
DVR Module
Parking Management
Visitor Management
Additional Workstation Licence

*64 floors per cab and 128 floor groups per site

CAA-480A | CENTAUR 16-floor lift control module
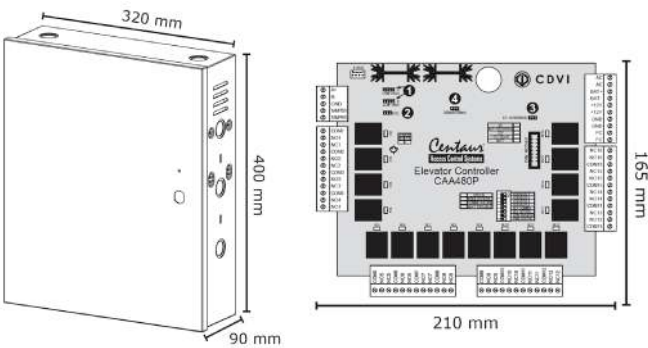
Centaur INTEGRATED ACCESS CONTROL

When connected to the C900IP controller's expansion bus, each CAA-480A controls up to 16 floors. Its floor control relays interface directly with the lift buttons. When a valid card is presented, the appropriate relays activate, allowing the cardholder to select the desired floor. In addition, the module also offers full monitoring, backup battery, and fire alarm input.

0°C to +49°C

Management: Software based

Capacity: 64 floors, 2 lift cars, 256 floors max

Site management: Up to 64 sites per CENTAUR account

320 mm
400 mm
90 mm
210 mm
165 mm

ACCESSORIES

CAA-482P
CENTAUR elevator destination module

DID YOU KNOW?

CENTAUR is CDVI's oldest online access control system.

It became part of the offering back in **2009** when CDVI was still called CDV! The 'I' in CDVI stands for 'International'.

	CAA-480A
MATERIAL	Secure metal enclosure
MOUNTING	Surface
SECURITY LEVEL	Standard
USER LIMIT	16 floors
TIME DELAY	n/a
DIMENSIONS	420 x 340 x 100 mm
WEIGHT	3.53 kg
POWER SUPPLY	16 - 40 Vac
CONSUMPTION	2.5A max
BATTERY	1x 12Vdc, 4.5Ah or 7Ah gel type battery

CENTAUR MODULE AND ACCESSORIES

LISTED PRODUCTS

CAA-360USB

RS232 or USB connection to RS485 converter module

5°C to +55°C

CAA-460P

CENTAUR 7-relay expansion module (up to 2x CAA-460P per C900IP controller)

5°C to +55°C

CAA-482P

CENTAUR elevator destination module

5°C to +55°C

CAA110P

Lock control module

5°C to +55°C

CAA370P

CENTAUR RS485 network hub

5°C to +55°C

Reference	Description
C900IP	CENTAUR 2-door controller
CAA-360USB	RS232 or USB connection to RS485 converter module
CAA-460P	CENTAUR 7-relay expansion module
CAA-480A	CENTAUR 16-floor lift control module
CAA-482P	CENTAUR elevator destination module
CAA110P	Lock control module
CAA370P	CENTAUR RS485 network hub
CAA470ATR	CENTAUR 2-door expansion module
CKTRAKL	Time and attendance display tracker module
CS-STD6	Standard software for CENTAUR online access control system
CS-PRO6	Professional software for CENTAUR online access control system
CS-ENT6	Enterprise software for CENTAUR online access control system

	CAA-360USB	CAA-460P	CAA-482P	CAA110P	CAA370P
MATERIAL	Metal enclosure for additional security				
MOUNTING	n/a	Surface	On top of controller		Surface
TECHNOLOGY	USB to RS485 communication	Compatible with C900IP controller			
SECURITY LEVEL	Standard				
USER LIMIT	n/a		16 floors	n/a	
DIMENSIONS	71 x 63 x 24 mm	285 x 210 x 90 mm		90x 60 x 4.5 mm	285 x 210 x 90 mm
WEIGHT	0.364 kg	1.548 kg		0.048 kg	1.6 kg
POWER SUPPLY	12 - 24 Vdc		5 Vdc	12 - 24 Vdc	12 - 14.6 Vdc
CONSUMPTION	190mA	400mA	108mA (max)	100mA	235mA

HOW TO CHOOSE THE RIGHT WIEGAND READER

THE THREE TIERS OF SECURITY

Standard	Standard to High	High Security
Proximity 125kHz	MIFARE® Classic 13.56MHz	MIFARE® DESFire® EV1, EV2 13.56MHz
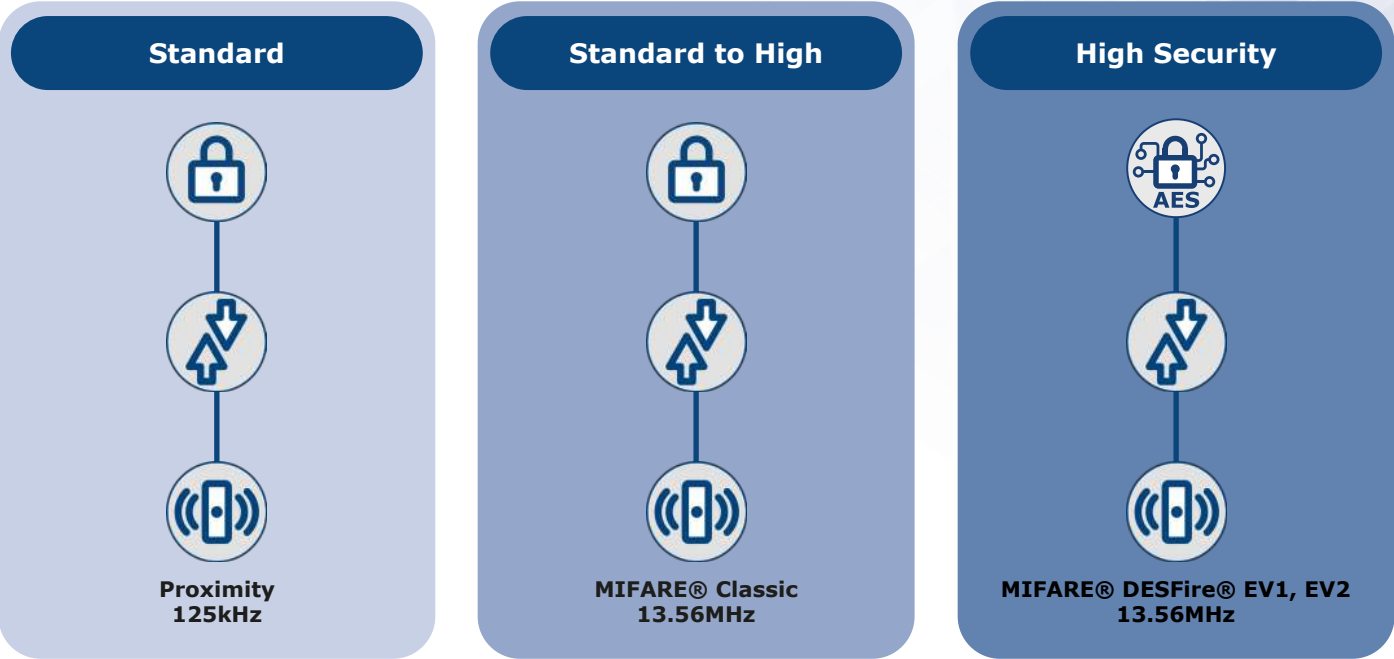
What is AES encryption?

AES encryption is a cypher that protects and conceals messages transmitted through the internet. Data is converted into an unreadable format called cyphertext, which is only readable by having the right cryptographic key to decode it into a readable format. The United States government actually selected AES as its official standard for encryption.

WHAT IS A WIEGAND SIGNAL?

The **Wiegand** standard, established in the 1970s, is a widely used wiring protocol in access control systems. It enables communication between a reader (e.g., card or biometric readers) and a controller, transmitting credential data for access decisions.

- **1 parity bit** - this is added to a string of binary code as a means of detecting errors
- **8 bits of facility code** – this defines the company or site.
- **16 bits of ID code** – this is how individual users are defined
- **1 trailing parity bit** – another verification bit to ensure the system is working as expected.

The **26-bit** Wiegand protocol is the most common variant of the Wiegand protocol, which is now very widely used in access control systems. The 26 bits describe the way the binary code that is transferred through the system is organised:

1 parity bit 8 bits of facility code 16 bits of ID code 1 parity bit

26-bit Wiegand is an open format, meaning that the format description and organisation are freely and publicly available for anyone to view and use. As a result, almost all access control systems are compatible with it.

READERS & KEYPADS

Wiegand Range of Readers & Keypads

From the stylish and aesthetic to the traditional and robust, CDVI offers a wide range of readers and credentials suitable for any access control project. All our readers benefit from multi-coloured LEDs which give clear visual indications of door status at any time. Designed to be easy to mount, installation is quick and simple, with no complicated programming required.

The range includes standard proximity readers as well as high security MIFARE® DESFire® EV2 options, rigorously tested to the IK10 standard. Access credentials also include both traditional cards and stylish tags equipped with both proximity and MIFARE® DESFire® technology.

Contents

High Security

MIFARE

K SERIES | Encrypted MIFARE® DESFire® EV2 readers

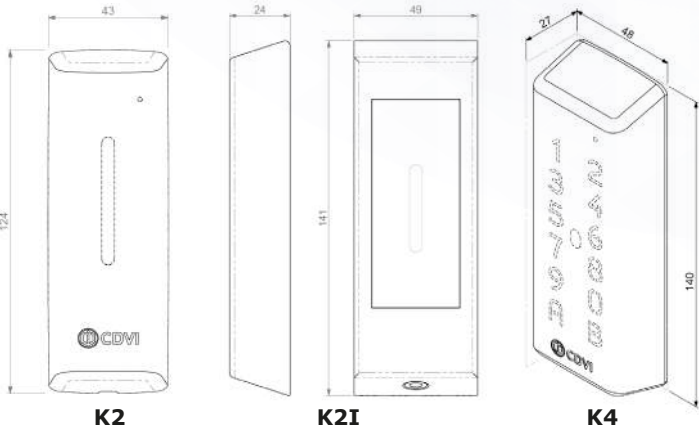## RANGE OF MIFARE® CLASSIC READERS

KRYPTO HIGH SECURITY SOLUTION

The K Series are sleek high security KRYPTO readers, compatible with MIFARE® DESFire® EV2 credentials. The factory-programmed CDVI protocol and advanced encryption keys ensure end-to-end security between the card, the reader, and the A22K controller, to ensure that card cloning is a thing of the past. The K Series readers are enabled for smartphone connection and Mobile-PASS.

IP65   IK10   -40°C to +70°C

DIGIPROX

These readers are equipped for use with MIFARE® Classic RFID credentials and are constructed of polycarbonate or stainless steel. With multi-coloured LEDs and a built-in buzzer, the readers provide both visual and audible feedback to the user. Specially designed for low power consumption, they are an efficient solution that is easy to install and keeps running costs low.

IP53   IK10   -25°C to +70°C

K2   **K2I**   **K4**
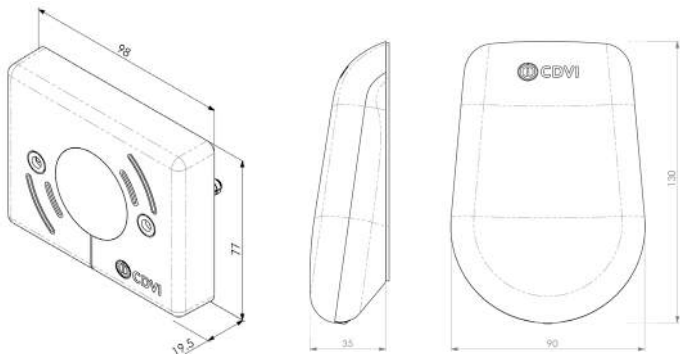
DGLI-MWLC   SOLARMB

Environment: Internal or external

Technology: Wiegand, MIFARE® Classic, MIFARE® DESFire® EV2, 13.56 MHz

Door status indication: Audible and visual feedback with multi-coloured LEDs

K2   **K2I**   **K4**

Environment: Internal or external

Technology: Wiegand, MIFARE® Classic, 13.56MHz

Door status indication: Audible and visual feedback with LEDs

DGLI-MWLC   SOLARMB

ACCESSORIES

BCD
MIFARE® DESFire® EV2 printable card (pack of 10)

METALD
Robust MIFARE® DESFire® EV2 tag credential (pack of 10)

RELATED PRODUCTS

A22K
High security encrypted 2-door controller

AMC25
High security Mobile-PASS smartphone credentials

ACCESSORIES

BV
PVC MIFARE® Classic card credential (pack of 10)

METAL
Robust MIFARE® Classic tag credential (pack of 10)

RELATED PRODUCTS

A22K
High security encrypted 2-door controller

KPROG
Desktop card enrolment device for ATRIUM

	K2	K2I	K4
MATERIAL	Polycarbonate	Stainless steel body, polycarbonate reading surface	Polycarbonate
MOUNTING	Surface		
TECHNOLOGY	MIFARE® Classic, MIFARE® DESFire® EV1 & EV2		
SECURITY LEVEL	High - AES128-bit		
READ RANGE	5-50 mm		
USER LIMIT	10,000 with KRYPTO A22K controller		
FREQUENCY	13.56 MHz		
CABLE TYPE	26AWG (0.4 mm) to 18 AWG (1.02 mm), 4 conductors		
WIRING DISTANCE	1,220 m (max)		
DIMENSIONS	127 x 47 x 21.5 mm	141 x 49 x 24 mm	139 x 48 x 25 mm
WEIGHT	0.15 kg	0.3 kg	0.12 kg
POWER SUPPLY	12 Vdc (from controller)		
CONSUMPTION	200mA		

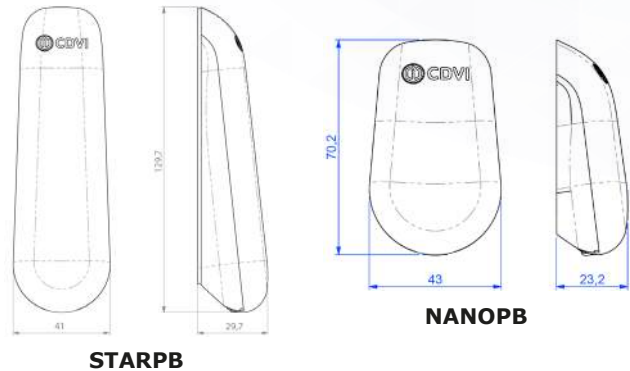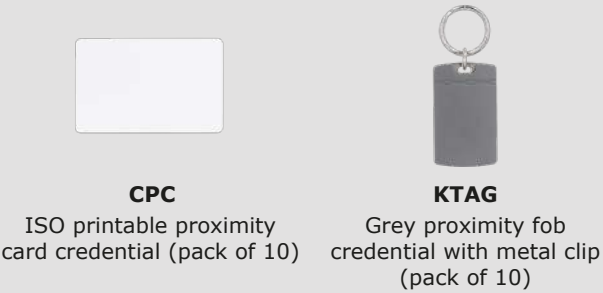|	DGLI-MWLC	SOLARMB
MATERIAL	Stainless steel	Polycarbonate
MOUNTING	Surface	
TECHNOLOGY	MIFARE® Classic	
SECURITY LEVEL	High	
READ RANGE	5-50 mm	
USER LIMIT	10,000 with ATRIUM A22K controller	
FREQUENCY	13.56MHz	
CABLE TYPE	22AWG (0.64 mm) to 18 AWG (1.02 mm), 4-8 conductors	
WIRING DISTANCE	150 m (max)	
DIMENSIONS	98 x 77 x 20 mm	130 x 90 x 28 mm
WEIGHT	0.24 kg	0.3 kg
POWER SUPPLY	12 Vdc	
CONSUMPTION	100mA	

MULLION BLACK PROXIMITY READERS

DIGIPROX

These 125 kHz RFID proximity readers are discreet, stylish and available in different sizes to fit your installation needs. They provide both audible and multi-coloured visual feedback for an anytime door status.

IP53   **IK10**   **-25°C to +70°C**

STARPB
NANOPB

Environment: Internal or external

Technology: Wiegand, proximity, 125 kHz

Door status indication: Audible and visual feedback with mult-icoloured LEDs
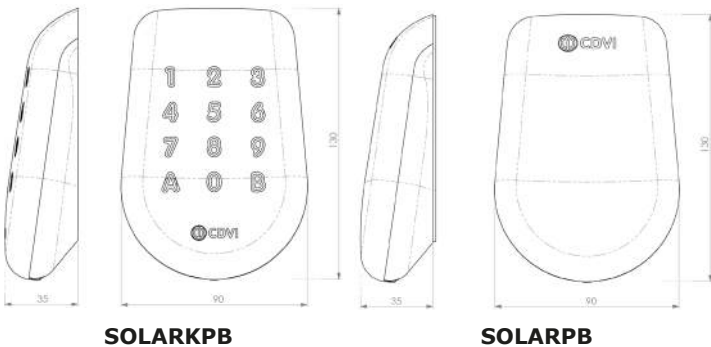
STARPB

NANOPB

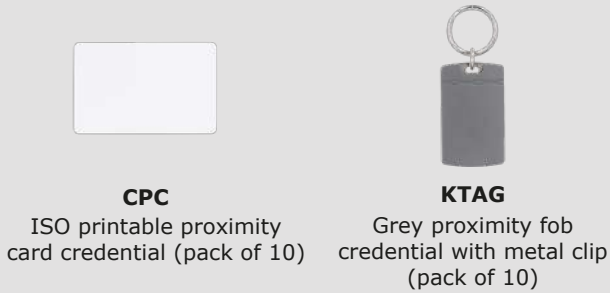## BLACK PROXIMITY READERS

DIGIPROX

These 125 kHz RFID proximity readers are discreet and stylish. They provide both audible and multi-coloured visual feedback for an anytime door status. The SOLARKPB also benefits from a built-in touch-sensitive keypad, enabling card or PIN entry.

IP53   **IK10**   **-25°C to +70°C**

SOLARKPB
SOLARPB

Environment: Internal or external

Technology: Wiegand, proximity, 125 kHz

Door status indication: Audible and visual feedback with multi-coloured LEDs

SOLARKPB   **SOLARPB**

ACCESSORIES

CPC
ISO printable proximity card credential (pack of 10)

KTAG
Grey proximity fob credential with metal clip (pack of 10)

RELATED PRODUCTS

A22K
High security encrypted 2-door controller

KPROG
Desktop card enrolment device for ATRIUM

ACCESSORIES

CPC
ISO printable proximity card credential (pack of 10)

KTAG
Grey proximity fob credential with metal clip (pack of 10)

RELATED PRODUCTS

A22K
High security encrypted 2-door controller

KPROG
Desktop card enrolment device for ATRIUM

	NANOPB	STARPB
MATERIAL	Polycarbonate	
MOUNTING	Surface	
TECHNOLOGY	Proximity	
SECURITY LEVEL	Standard	
READ RANGE	5-50 mm	
USER LIMIT	10,000 with ATRIUM A22K controller	
FREQUENCY	125kHz	
CABLE TYPE	22AWG (0.64 mm) to 18 AWG (1.02 mm), 4-8 conductors	
WIRING DISTANCE	150 m (max)	
DIMENSIONS	70 x 43 x 23 mm	130 x 41 x 28 mm
WEIGHT	0.1 kg	0.09 kg
POWER SUPPLY	21 Vdc	12 Vdc (from controller)
CONSUMPTION	100mA	

|	SOLARKPB	SOLARPB
MATERIAL	Polycarbonate	
MOUNTING	Surface	
TECHNOLOGY	Proximity	
SECURITY LEVEL	Standard	
READ RANGE	5-50 mm	
USER LIMIT	10,000 with ATRIUM A22K controller	
FREQUENCY	125kHz	
CABLE TYPE	22AWG (0.64 mm) to 18 AWG (1.02 mm), 4-8 conductors	
WIRING DISTANCE	150 m (max)	
DIMENSIONS	130 x 90 x 28 mm	
WEIGHT	0.3 kg	
POWER SUPPLY	12 Vdc	
CONSUMPTION	150mA	100mA

Proximity

Keypads

KCPROX-WLC | Stainless steel proximity reader & keypad

DIGIPROX

This reader combines proximity RFID technology with the added flexibility of a keypad. Users can either present their 125kHz proximity credential or enter a pre-defined PIN code to gain entry. Manufactured in stainless steel, the KCPROX-WLC benefits from a robust IP64 rating and low power consumption. The reader gives both audible and visual feedback and is fixed with security screws.

IP64   IK10   -25°C to +60°C
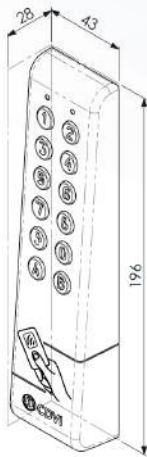
Environment: Internal or external

Technology: Wiegand, proximity, 125 kHz

Door status indication: Audible & visual feedback with bi-coloured LEDs & blinking keypad

GALEOW | Keypad with Wiegand output

Digicode marque brand

This keypad combines style with substance. The high-quality Zamak® casing and soft blue backlighting looks good in any environment. Meanwhile, vandal-resistant screws and a robust IP68 and IK10 rating means the GALEOW easily withstands high traffic and outdoor installation. Connect to online access control systems via Wiegand 26-bit or ISO track 2 connections.

IP68   IK10   -25°C to +70°C

GALEOW   **GALEOW BLACK**
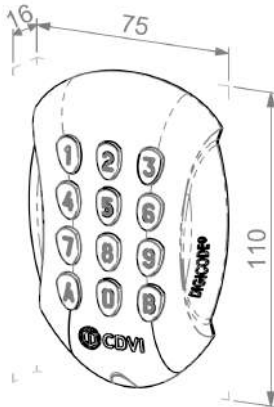
Environment: Internal or external

Technology: Wiegand, remote smartphone connection

Door status indication: Audible and visual feedback with blinking keypad

ACCESSORIES

METAL1
Robust proximity tag credential (pack of 10)

KTAG
Grey proximity fob credential with metal clip (pack of 10)

RELATED PRODUCTS

A22K
High security encrypted 2-door controller

KPROG
Desktop card enrolment device for ATRIUM

DID YOU KNOW?

The GALEO keypad was named when Pascal, the former General Manager of CDVI France, was walking along a beach and saw a round, flat pebble.

In French, a pebble is a 'galet' - this became the iconic **GALEO**.
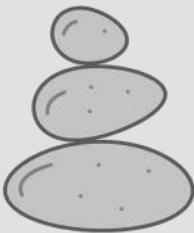
RELATED PRODUCTS

A22K
High security encrypted 2-door controller

C5S11
Entry level surface 500kg magnetic lock, monitored

	KCPROX-WLC
MATERIAL	Stainless steel
MOUNTING	Surface
TECHNOLOGY	Proximity
SECURITY LEVEL	Standard
READ RANGE	5-50 mm
USER LIMIT	10,000 with ATRIUM A22K controller
FREQUENCY	125 kHz
CABLE TYPE	22AWG (0.64 mm) to 18 AWG (1.02 mm), 4-8 conductors
WIRING DISTANCE	150 m (max)
DIMENSIONS	190 x 43 x 27 mm
WEIGHT	0.45 kg
POWER SUPPLY	12 Vdc (from controller)
CONSUMPTION	120mA

	GALEOW	GALEOW BLACK
MATERIAL	Zamak® cast alloy	
MOUNTING	Surface	
TECHNOLOGY	Wiegand	
SECURITY LEVEL	Standard	
READ RANGE	n/a	
USER LIMIT	Dependent on access control system	
FREQUENCY	n/a	
CABLE TYPE	22AWG (0.64 mm) to 18 AWG (1.02 mm), 4-8 conductors	
WIRING DISTANCE	150 m (max)	
DIMENSIONS	110 x 75 x 15 mm	
WEIGHT	0.38 kg	
POWER SUPPLY	12 Vdc (from controller)	
CONSUMPTION	100mA	

Protecting your data with AES encryption

AES encryption is a type of cypher that protects and conceals messages transmitted through the internet.

Essentially, data is converted into an unreadable format called cyphertext.

The only way to later read the data is by having the right cryptographic key to decode it into a readable format. In the AES standard, the same key is used to both encrypt and decrypt, meaning it's a simple and efficient method of encryption.

DID YOU KNOW?

The United States government selected AES as its official standard for encryption.

That's a serious endorsement of its level of security!

10 YEAR WARRANTY

LISTED PRODUCTS

Reference	Description
DGLI-MWLC	Stainless steel MIFARE® Classic reader
DGLP-TWLC	Panel mount proximity reader
GALEOW	Keypad with Wiegand output
GALEOW BLACK	Keypad with Wiegand output
K2	High security encrypted MIFARE® DESFire® EV2 reader
K2I	High security encrypted MIFARE® DESFire® EV2 reader, stainless steel protection
K4	Narrow high security encrypted MIFARE® DESFire® EV2 reader/keypad
KCPROX-WLC	Combined proximity reader & keypad, stainless steel
NANOPB	Mini proximity reader, black
SOLARKPB	Combined proximity reader and keypad, black
SOLARMB	MIFARE® Classic reader
SOLARPB	Standard proximity reader
STARPB	Narrow style proximity reader

RECOMMENDED WIRING

Equipment	Cable Type	Size	Max Length
High security KRYPTO readers (RS485)	4 conductors, copper	26 AWG (0.4mm) to 18 AWG (1.02mm)	1,220 m
Wiegand readers and keypads	4 to 8 conductors, stranded, shielded (foil), drain	22 AWG (0.64mm) to 18 AWG (1.02mm)	150 m
Zone input	2 conductors, copper	22 AWG (0.64mm)	600 m
Door strike	2 conductors, solid copper	18 AWG (1.02mm)	150 m
Power supply	3 conductors, solid copper	14 AWG (1.63mm)	8 m
Ethernet	Cat 5/5e	-	100 m
RS485 BUS, Star or Daisy chain (no BIAS/EOL required)	Cat 5/5e or 4 pairs	24 AWG (0.51mm)	1,220 m
	4 conductors, copper	26 AWG (0.4mm) to 18 AWG (1.02mm)	

WHAT CREDENTIAL TYPE DO YOU NEED?
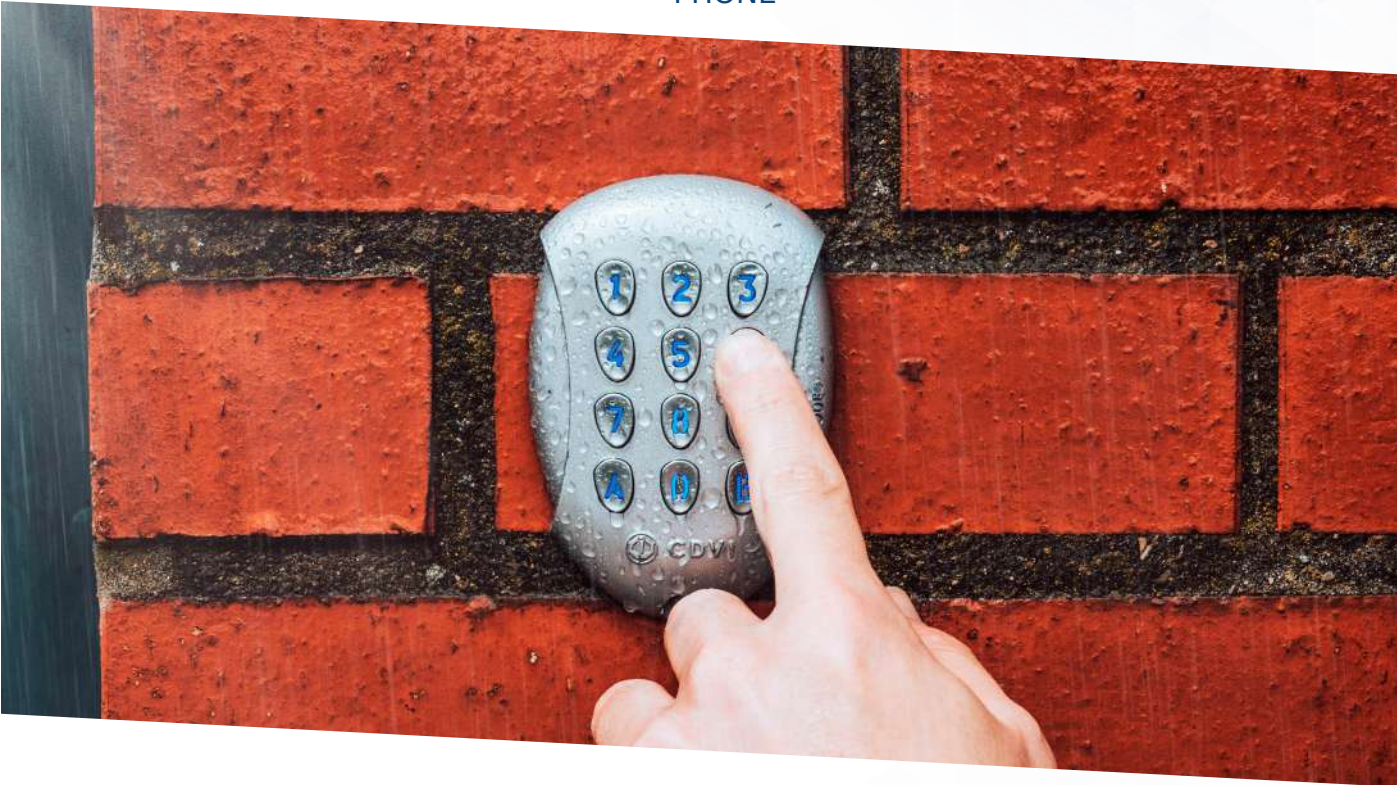
SOMETHING YOU KNOW
PASSWORD
PIN

SOMETHING YOU HAVE
CARD
FOB
PHONE

SOMETHING YOU ARE
FINGERPRINT
FACE

WHAT LEVEL OF SECURITY DO YOU NEED?

Technology has advanced in leaps and bounds in the security industry. There are now many different protocols and standards for access control systems. Here are some of the most common technologies widely available for credentials:

Proximity

125 kHz

This is an established piece of technology with a basic level of security.

MIFARE® Classic

13.5 MHz

MIFARE® is a brand name referring to the most commonly used type of integrated circuit chips which are inside access credentials.

MIFARE® DESFire®

13.5 MHz

A higher security option which utilises AES encryption to protect the data and prevent card cloning.

CREDENTIALS

CDVI Cards & Tags

Credentials are the things used to validate the identities of users in the access control system. Our range includes all levels of technology, from 125kHz proximity up to high security MIFARE® DESFire® encrypted credentials. The level of security you need depends on the requirements of your site and your customers. The core benefit of our KRYPTO high security credentials is that they render cloning impossible, thanks to the AES encryption they include.

In addition, our range of credentials varies in format to meet the needs of a wide range of projects. From tried and tested swipe cards to handy keyring fobs, there's something for everyone. Our credentials deliver simple and reliable access control by making user convenience a priority. And why not take the opportunity to discover Mobile-PASS? Put access control in the palm of your hand with high security smartphone credentials for MIFARE DESFire EV2 systems. Unlock the door in one of five possible methods – biometric, voice, tap, scan, or automatic. It's never been easier to make access control this convenient.

Contents

Mobile

AMC25 | High security Mobile-PASS smartphone credentials

KRYPTO HIGH SECURITY SOLUTION **ATRIUM** ACCESS CONTROL

Flexible, convenient access control at your fingertips.

Mobile-PASS combines simplicity with robust security, allowing authorised users to unlock doors with their smartphone or other smart device. Offering five different methods for triggering the unlock, Mobile-PASS is a convenient remote access solution.

Mobile-PASS is compatible with the ATRIUM A22K high security controller and K series readers (including K2 and K3). Already equipped with end-to-end military grade encryption technology, the system now adds the flexibility of smartphone credentials to its many security benefits.

| Biometric | Voice | Scan | Touch | Automatic |

Activate your mobile credentials in 3 simple steps!

Activate the AMC25 licence card in the ATRIUM web server or software

Send a mobile credential to a smartphone by scanning it on a KRYPTO reader installed on-site, via email (includes activation link), or by entering the registration code in the system.

Finalise the Mobile-PASS activation when your app is detected by a KRYPTO reader on-site

Download the ATRIUM BT app today!

COMPATIBLE READERS

| K2 | K2I | K4 |

	AMC25
TECHNOLOGY	MIFARE® DESFire® EV2, Bluetooth
SECURITY LEVEL	High security AES encryption
READ RANGE	Adjustable
USER LIMIT	1x AMC25 = 25 smartphone credentials

PROXIMITY CARDS & TAGS (PACK OF 10)

| CPC | KTAG | METAL1 |

	CPC	**KTAG**	**METAL1**
MATERIAL	PVC		Metal and polycarbonate
TECHNOLOGY	Proximity		
FREQUENCY	125kHz		

MIFARE® CLASSIC CARDS & TAGS (PACK OF 10)

| BV | METAL |

	BV	**METAL**
MATERIAL	PVC	Metal and polycarbonate
TECHNOLOGY	MIFARE® Classic	
FREQUENCY	13.56MHz	

MIFARE® DESFIRE® EV2 CREDENTIALS (PACK OF 10)

| BM4K | BCD | DISCTAGEV2 | METALD |

	BM4K	**BCD**	**DISCTAGEV2**	**METALD**
MATERIAL	PVC			Metal and polycarbonate
TECHNOLOGY	MIFARE® DESFire® EV1	MIFARE® DESFire® EV2		
FREQUENCY	13.56MHz			

www.cdvi.co.uk

www.cdvi.co.uk

The CDVI Learning Zone
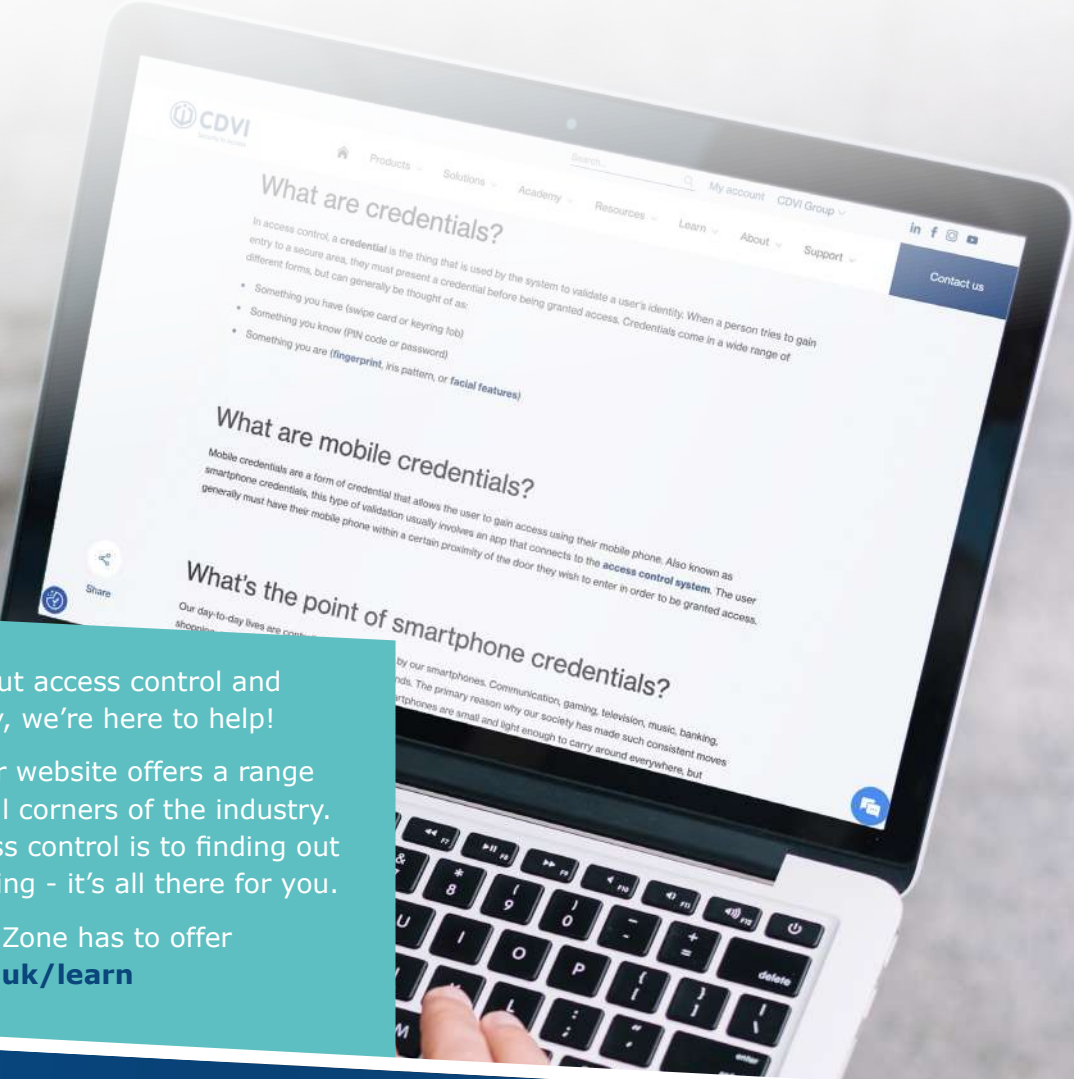
There's a lot to learn about access control and security solutions. Luckily, we're here to help!

The Learning Zone on our website offers a range of resources that cover all corners of the industry. From learning what access control is to finding out the truth about card cloning - it's all there for you.

Discover all the Learning Zone has to offer by searching at: **cdvi.co.uk/learn**

Need some extra support?

If you are an installer of CDVI products and you require help or advice with an installation, get in touch with our Technical Support team.

We're available from 8:45am to 5:15pm Monday to Friday.

**support@cdvi.co.uk**

+44 (0)1628 531 300

LISTED PRODUCTS

Reference	Description
AMC25	High security Mobile-PASS smartphone credentials
BCD	MIFARE® DESFire® EV2 printable card (pack of 10)
BM4K	MIFARE® DESFire® EV1 4K card credential (pack of 10)
BV	PVC MIFARE® Classic card credential (pack of 10)
CPC	ISO printable proximity card credential (pack of 10)
DISCTAGEV2	Adhesive MIFARE® DESFire® EV2 tag credential (pack of 10)
KTAG	Grey proximity fob credential with metal clip (pack of 10)
METAL	Robust MIFARE® Classic tag credential (pack of 10)
METAL1	Robust proximity tag credential (pack of 10)
METALD	Robust MIFARE® DESFire® EV2 tag credential (pack of 10)

STANDALONE ACCESS CONTROL
Introduction

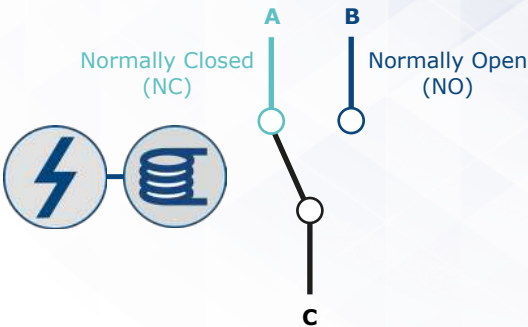**SWITCH AND RELAY CONTACTS**

SINGLE POLE SINGLE THROW (SPST)

A
Normally Open (NO)

B
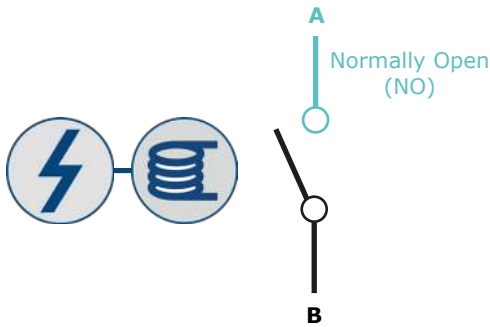
This type of contact has one normally open or one normally closed contact. When activated by a switch actuator or an energised relay the switch contact changes state.

In this example, when voltage is applied across the relay coil, the contacts **A** and **B** close (activated state). When voltage is removed from the relay coil, the contacts are open (de-activated or resting state).

SINGLE POLE DOUBLE THROW (SPDT)

A   B
Normally Closed (NC)   Normally Open (NO)

C

This type of contact has one normally open and one normally closed contact, also called a changeover contact. When activated by a switch actuator or an energised relay, the switch contact changes state. This type of relay has 3 contacts: a Common (**C**), a Normally Open (**A**) and a Normally Closed (**B**).

In this example, the contacts **A** and **C** close (activated state) and **B** and **C** open. When voltage is removed from the relay coil, the contacts change back to the resting state.

DOUBLE POLE SINGLE THROW (DPST)

A1   A2
Normally Open (NO)

C1   C2
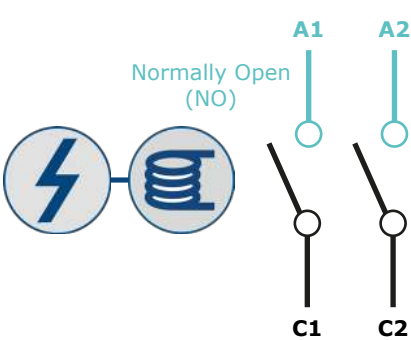
This type of contact has two normally open or two normally closed contacts. **A1** + **C1** and **A2** + **C2**. **A1**/**C1** are not electrically connected to **A2**/**C2**. When activated by a switch actuator or an energised relay, the switch contacts change state.

In this example, when voltage is applied across the relay coil, the contacts **A1** and **C1** close at the same time as **A2** and **C2** (activated state). When voltage is removed from the relay coil, the contacts re-open (de-activated or resting state).

DOUBLE POLE DOUBLE THROW (DPDT)

A1   B1   A2   B2
Normally Closed (NC)   Normally Open (NO)

C1   C2
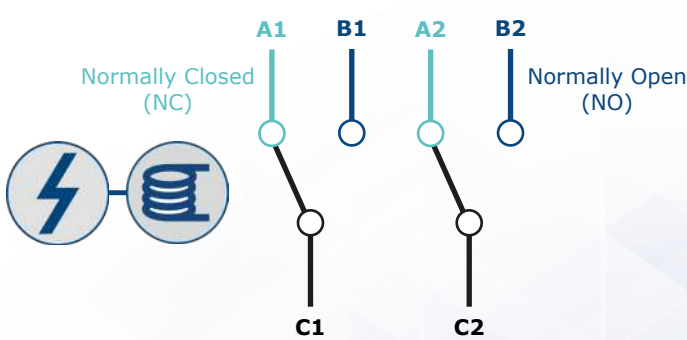
This type of contact has two sets of changeover contacts, two normally open and two normally closed contacts. Each set has 3 contacts: a Common (**C**), a Normally Open (**A**) and a Normally Closed (**B**). **A1**, **B1**, **C1** and **A2**, **B2**, **C2** are not electrically connected in any way. When activated by a switch actuator or an energised relay, the switch contacts change state.

In this example, when voltage is applied across the relay coil, both sets of contacts change state at the same time; contacts **A1** and **C1** close and **B1** and **C1** open (activated state), contacts **A2** and **C2** close and **B2** and **C2** open. When voltage is removed from the relay coil, the contacts change back to their resting state.

STANDALONE ACCESS CONTROL

Reliable Standalone Readers & Keypads

Standalone access control solutions from CDVI provide a cost-effective and user-friendly way to secure entry points. These systems are perfect for small-scale applications like homes, small businesses, and vacation rentals. By offering options such as standalone controllers and keypads, they allow for effective security without the need for extensive wiring or network infrastructure. This simplicity reduces installation costs and makes them an ideal choice for scenarios where affordability and ease of use are priorities.

These products are available in durable designs suitable for both indoor and outdoor use. Standalone access control is an excellent option for environments where simplicity, reliability, and security are required without the complexity of network-based solutions. Additionally, CDVI's wide range of product choices ensures flexibility to meet unique access needs while maintaining robust functionality.

Contents

DGPROX | Standalone single-door reader & controller

Digicode marque brand

This standalone controller/reader activates with a proximity credential, a PIN code, or multi-factor authentication requiring both card and PIN. The DGPROX offers the flexibility to function as either a controller and reader in its own right, or combined with remote readers located up to 50m away.

IP53   -30°C to +60°C
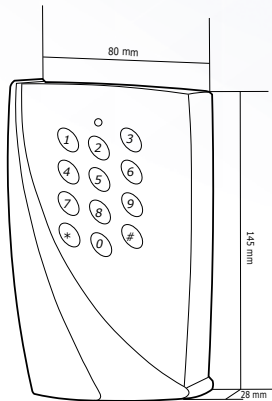
Environment: Internal

Technology: Standalone, proximity 125 kHz & PIN

Door status indication: Audible and visual feedback with LED

STAR1M | Mullion standalone MIFARE reader & controller

DIGIPROX

The STAR1M is a 2-in-1 access control solution. It acts either as a standalone controller or as a MIFARE reader as part of an online access control system. In standalone mode, the STAR1M offers the benefit of shadow cards: all issued credentials come with a copy. If a card is lost, stolen, or an employee leaves without returning theirs, simply use the shadow card to invalidate the credential.
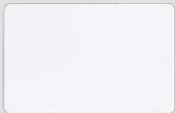
IP53   IK10   -25°C to +70°C
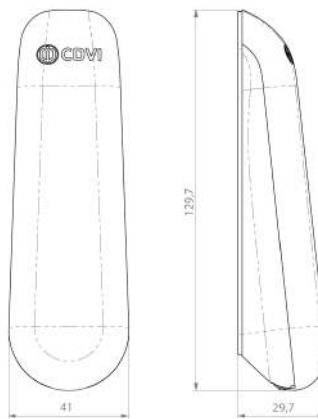
Environment: Internal or external

Technology: Standalone, MIFARE® Classic, 13.56MHz

Door status indication: Audible and visual feedback with multicoloured LEDs

ACCESSORIES

KTAG
Grey proximity fob credential with metal clip (pack of 10)

CPC
ISO printable proximity card credential (pack of 10)

RELATED PRODUCTS

PSMB123
Switch mode power supply, 12Vdc / 3A

PROMI-ECO
Surface mount polycarbonate keypad with self-contained electronics

ACCESSORIES

STAR1M-SC
Shadow card for STAR1M standalone reader

METAL
Robust MIFARE® Classic tag credential (pack of 10)

RELATED PRODUCTS

RTE-IRS
Infrared exit device, square with EXIT logo, surface mount

PSMB123
Switch mode power supply, 12Vdc / 3A

	DGPROX
MATERIAL	Polycarbonate
MOUNTING	Surface
TECHNOLOGY	Proximity
SECURITY LEVEL	Standard
READ RANGE	100 mm
USER LIMIT	Up to 500 credentials/codes
RELAYS	1
TIME DELAY	From 1 to 99 sec
FREQUENCY	125kHz
DIMENSIONS	145 x 80 x 28 mm
WEIGHT	0.219 kg
POWER SUPPLY	12 Vac/dc
CONSUMPTION	250mA

	STAR1M
MATERIAL	Polycarbonate
MOUNTING	Surface
TECHNOLOGY	MIFARE® Classic
SECURITY LEVEL	Standard
READ RANGE	5-20 mm
USER LIMIT	10,000 with ATRIUM controller, up to 300 as a standalone controller
RELAYS	1
TIME DELAY	From 1 to 99 sec
FREQUENCY	13.56MHz (in MIFARE mode)
DIMENSIONS	130 x 41 x 28 mm
WEIGHT	0.25 kg
POWER SUPPLY	12 Vdc
CONSUMPTION	120mA

Keypads

10 YEAR WARRANTY

KEYPADS WITH REMOTE ELECTRONICS AND CONNECTION

GALEOBT   **GALEOBT BLACK**

KCINBT   **PROFILBT**

Digicode® marque brand

These keypads are extremely robust, vandal-resistant and surface mount. Their smartphone connection via the free iOS and Android apps makes programming a breeze. Thy come with remote electronics - which limits the risk of tampering or vandalism as the separate PCB box is installed on the secure side of the door.
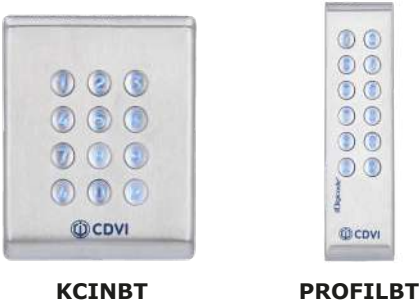
IP64   **IK10**   **-25°C to +70°C**

IP68 (GALEOBT)

Environment: Internal or external

Technology: Standalone, remote electronics, mobile connection

Door status indication: Audible and visual feedback with blinking keypad

16   75   19.5   85   27   43

110   110   165

GALEOBT   **KCINBT**   **PROFILBT**

ACCESSORIES

PRESS TO EXIT
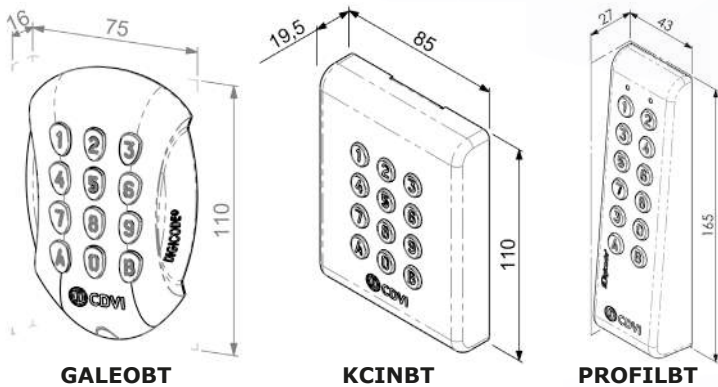
RTE-SFD
Stainless steel green dome exit button, flush mount

EM301-LS
Triple-pole resettable emergency door release with light and sounder

RELATED PRODUCTS

C5S11
Entry level surface 500kg magnetic lock, monitored

PSMB123
Switch mode power supply, 12Vdc / 3A

	GALEOBT	GALEOBT BLACK	KCINBT	PROFILBT
MATERIAL	Zamak® cast alloy		Stainless steel	
MOUNTING	Surface mount with vandal-resistant screws			
TECHNOLOGY	Bluetooth®, remote electronics			
USER LIMIT	100 user codes, divided 60/20/20 between relays			
RELAYS	3 x pulse, timed or latched			
TIME DELAY	From 1 to 99 sec			
DIMENSIONS	110 x 75 x 15 mm		100 x 85 x 19.5 mm	165 x 43 x 27 mm
WEIGHT	0.54 kg		0.56 kg	0.36 kg
POWER SUPPLY	12 Vac/dc - 24 Vac/48 Vdc			
CONSUMPTION	195mA @ 12Vdc			140mA

The **fast and simple** way to configure your keypad

The **DIGICODE app** is designed for use with the GALEO smartphone-enabled keypad.

Add, update, and remove access codes without ever having to touch the keypad.

End users benefit by unlocking and opening the door directly from their phone. They are also able to create and share temporary PIN codes so vistors can let themselves in.

my Digicode®

CDVI Référence : BX07453F09001B0C2A

Parameters   Timers

Relay 1   Relay 2

CDVI Security to Access

Download the free DIGICODE app today

GET IT ON **Google Play**   Download on the **App Store**

SELF-CONTAINED KEYPADS

Digicode® marque brand

These heavy-duty self-contained keypads have a capacity of 100 user codes, divided 60/20/20 between 3 relays or 60/40 between 2 relays. They feature backlit keys for low-light conditions, which makes them ideal for access control or video entry integration. Thanks to their high IP rating and vandal-resistant screws, they are particularly well suited to external doors.

IP IP64   **IK** IK10   **t°** -25°C to +70°C
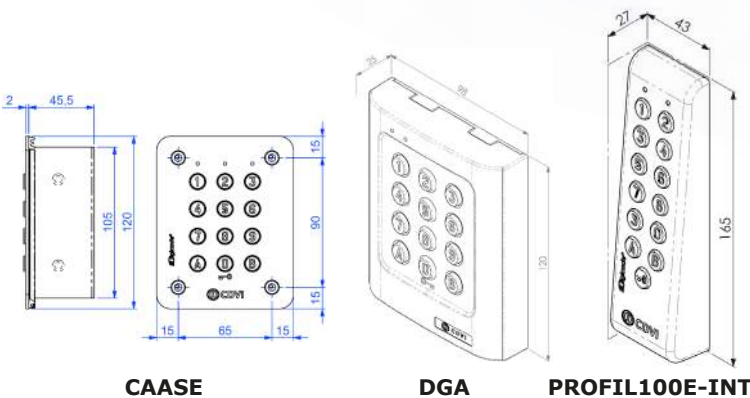
IP IP54 (CAASE)

CAASE   **DGA**   **PROFIL100E-INT**

Environment: Internal or external

Technology: Standalone, self-contained electronics

Door status indication: Audible and visual feedback with LEDs

CAASE   **DGA**   **PROFIL100E-INT**

ACCESSORIES

EM201
Double-pole resettable emergency door release

RTE-SS
Stainless steel exit button, square, surface mount

RELATED PRODUCTS

C3S11
Entry level surface 300kg magnetic lock, monitored

SR1024
Symmetrical fail secure strike, 10-24Vdc, continuous current

	CAASE	DGA	PROFIL100E-INT
MATERIAL	Stainless steel	Zamak® cast alloy	Stainless steel
MOUNTING	Flush	Surface	
TECHNOLOGY	Self-contained electronics		
USER LIMIT	100 user codes, divided 60/20/20 between relays	100 user codes, divided 60/40 between relays	
RELAYS	3	2	
TIME DELAY	From 1 to 99 sec		
DIMENSIONS	125 x 100 x 3 mm	120 x 98 x 25 mm	165 x 43 x 27 mm
WEIGHT	0.67 kg	0.78 kg	0.36 kg
POWER SUPPLY	12Vac/dc - 24Vac/48Vdc	12 Vac/dc - 24 Vac/ 48Vdc	12 Vac/dc - 24 Vac/48 Vdc
CONSUMPTION	140mA	80mA	

KCIEN | Self-contained stainless steel keypad, surface mount

Digicode® marque brand

The KCIEN is a low-rise surface mount keypad with self-contained electronics and a push-button option. With vandal-resistant Torx® screws and an IP64 rating, this keypad is robustly protected and suitable for installation in harsh environments. The KCIEN benefits from a capacity for up to 100 different PIN codes divided 60/40 between two relay outputs.

IP IP64   **IK** IK10   **t°** -25°C to +70°C

KCIEN   **KCIEN-SBP**

Environment: Internal or external

Technology: Standalone, self-contained electronics

Door status indication: Audible and visual feedback with blinking keypad
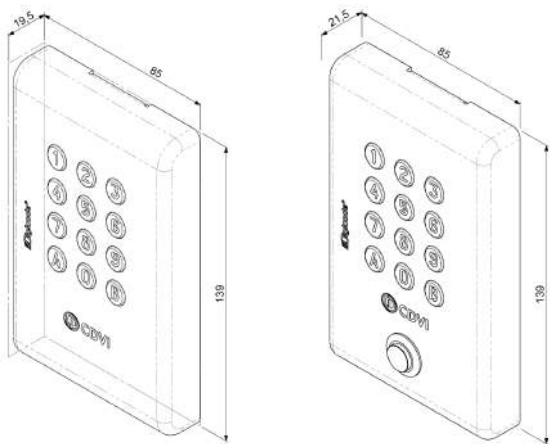
ACCESSORIES

RTE-AS
Stainless steel exit button, architrave, surface mount

EM301-LS
Triple-pole resettable emergency door release with light and sounder

RELATED PRODUCTS

ARU-M
ANSI-style strike, 12Vdc, monitored

PSMB123
Switch mode power supply, 12Vdc / 3A

|	KCIEN	KCIEN-SBP
MATERIAL	Stainless steel	
MOUNTING	Surface	
TECHNOLOGY	Self-contained electronics	
USER LIMIT	100 user codes, divided 60/40 between relays	
RELAYS	2	
TIME DELAY	From 1 to 99 sec	
DIMENSIONS	140 x 85 x 20 mm	140 x 80 x 20 mm
WEIGHT	0.57 kg	
POWER SUPPLY	12 Vac/dc - 24 Vac/48 Vdc	
CONSUMPTION	100mA	

PROMI-ECO | Self-contained polycarbonate keypad

The PROMI-ECO is a surface mount keypad with self-contained electronics. Constructed in sturdy polycarbonate, this keypad offers a cost-effective, reliable entry solution for industry, retail, and residential settings. With up to 100 user codes as well as a PIN-protected programming mode, this is a secure and flexible standalone access control solution.

IP53   -25°C to +70°C
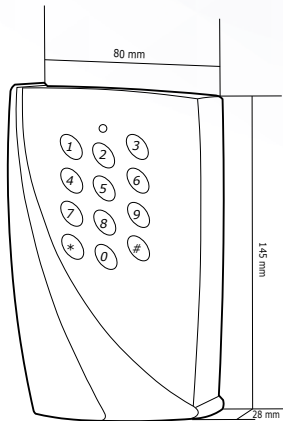
80 mm

145 mm

28 mm

Environment: Internal

Technology: Standalone, self-contained electronics

Door status indication: Audible and visual feedback with LED

ACCESSORIES

RTE-002S
Plastic exit button, narrow, surface mount

PSMB123
Switch mode power supply, 12Vdc / 3A

RELATED PRODUCTS

C3S11
Entry level surface 300kg magnetic lock, monitored

SR1024
Symmetrical fail secure strike, 10-24Vdc, continuous current

LISTED PRODUCTS

Reference	Description
CAASE	Self-contained flush keypad
DGA	Surface mount, self-contained rugged keypad
DGPROX	Standalone single-door reader/controller
GALEOBT	Backlit keypad with remote electronics and smartphone connection
GALEOBT BLACK	Backlit keypad with remote electronics and smartphone connection, black matte
KCINBT	Vandal-resistant keypad with remote electronics and smartphone connection
KCIEN	Stainless steel surface mount keypad with self-contained electronics & call button
KCIEN-SBP	Stainless steel surface mount keypad with self-contained electronics
PROFILBT	Stainless steel narrow surface mount keypad with remote electronics
PROFIL100E-INT	Stainless steel surface mount keypad with self-contained electronics
PROMI-ECO	Surface mount polycarbonate keypad with self-contained electronics
STAR1M	Narrow style standalone MIFARE controller/reader

AVAILABLE KITS

STAR1M-K	Narrow style black MIFARE reader kit with 10x shadow cards
STAR1M-SC	Shadow card for STAR1M standalone reader
STAR1M-SC10	Shadow cards for STAR1M standalone reader, pack of 10
STAR1M-SC50	Shadow cards for STAR1M standalone reader, pack of 50

	PROMI-ECO
MATERIAL	Polycarbonate
MOUNTING	Surface
TECHNOLOGY	Self-contained electronics
USER LIMIT	100 user codes
RELAYS	1
TIME DELAY	From 1 to 99 sec
DIMENSIONS	145 x 80 x 28 mm
WEIGHT	0.2 kg
POWER SUPPLY	12 Vac/dc
CONSUMPTION	80mA

5 YEAR WARRANTY

Benefits of biometrics

Better security
Data is extremely difficult to lose or steal

More compliance
Make card sharing a thing of the past!

Less admin
Quick and easy enrolment of users

Data protection
Robust protocols keep data safe and secure

High reliability
Best-in-class readers deliver reliable results

Multi-Spectral Imaging

- **9** different light images captured
- **4000** microns images - 4mm deep into the skin
- **Sub-surface** levels of the finger read
- **Clean and clear** images
- Captures images through levels of **dirt, moist, and some latex gloves**
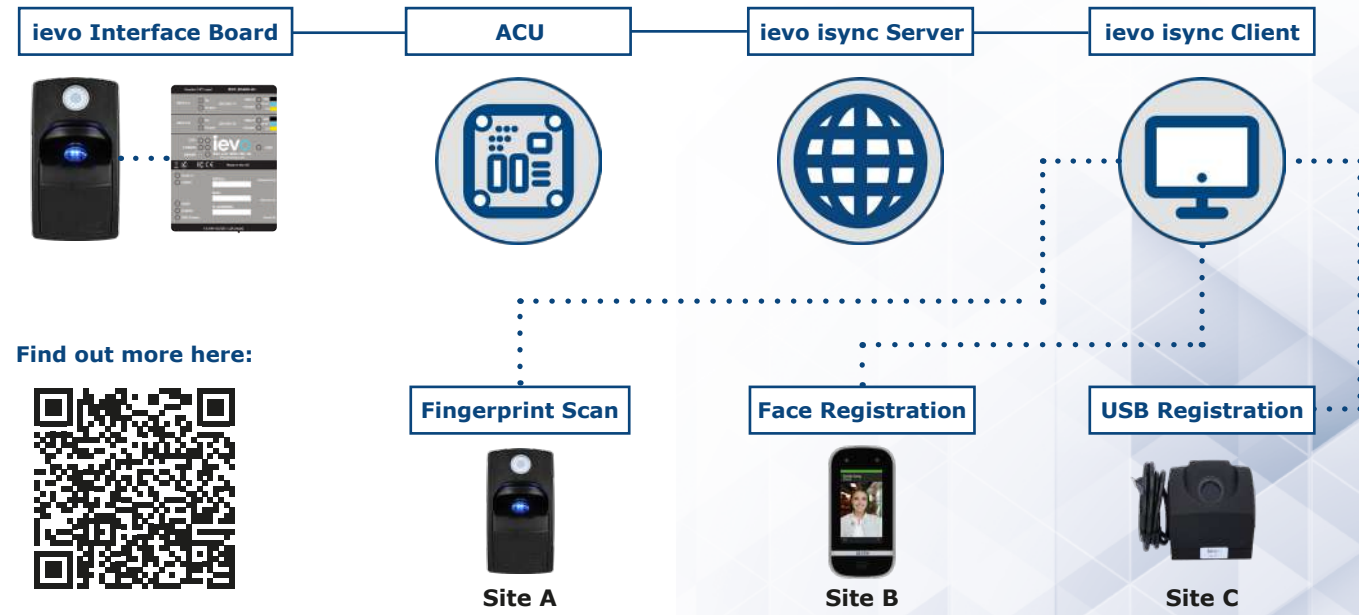
MULTI-SITE MANAGEMENT AND INTEGRATION

ievo isync

ievo isync is an advanced software solution that optimises fingerprint enrolment and distribution while simplifying **integration** with third-party access control systems.

By actively managing the synchronisation of newly enroled or deleted fingerprint templates, it ensures that all interface boards remain up to date.

Acting as a bridge between ievo software and access control solutions, isync enhances efficiency by enabling simultaneous fingerprint enrolment across **multiple locations**, creating a seamless and reliable biometric access control system.

| ievo Interface Board | ACU | ievo isync Server | ievo isync Client |

Find out more here:

| Fingerprint Scan | Face Registration | USB Registration |

Site A   **Site B**   **Site C**

BIOMETRICS

5 YEAR WARRANTY

Cutting Edge Technology at Your Fingertips

ievo delivers next-generation biometric solutions for access control, combining advanced security with user-friendly design. Our fingerprint and facial recognition systems enhance convenience and data protection, seamlessly integrating into leading access control and time & attendance systems via our isync software. Our innovative solutions ensure robust security, ease of use, and seamless integration, making them a trusted choice for modern access control.

ievo biometric **fingerprint readers**, like the ievo ultimate™, feature multi-spectral imaging sensors that penetrate beneath the skin's surface, ensuring accurate fingerprint capture even in tough conditions. Up to 100 unique minutiae points are converted into secure templates using proprietary algorithms, with original images erased to prevent reverse engineering.
Facial recognition technology utilises unique facial structures to verify identities in under a second. The iface™ by CDVI provides fast, hands-free authentication without PINs, cards, or physical tokens—ideal for workplaces like warehouses, hospitals, and care homes where convenience and speed are critical.

Contents

5 YEAR WARRANTY

5 YEAR WARRANTY

IEVO-U | ievo ultimate™ fingerprint reader

IEVO-M | ievo micro™ fingerprint reader

ievo

The ievo ultimate™ is an NPSA-certified scanner employing a multi-spectral imaging (MSI) sensor. It reads fingerprints through the surface and subsurface levels, even in harsh weather conditions. The ultimate offers optional 128-bit encrypted data transmission to the Interface Board where it matches up to 50,000 fingerprint templates.

IP65   IK10   -20°C to +70°C
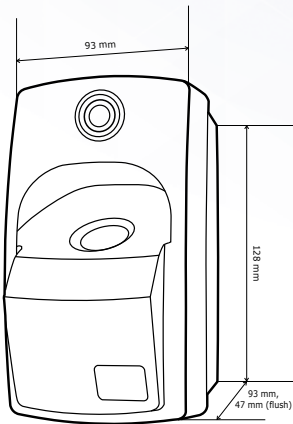
Environment: Internal or external, medium to high traffic

Technology: Standalone or Wiegand connection, optional card reader

Sensor type: Multi-spectral imaging (MSI)

ievo

The micro™ is a compact fingerprint reader designed for internal use and for securing small to medium sized facilities. It uses an optical sensor and 128-bit data transmission, providing highly accurate and quality images to be transferred to the Interface Board, where the data is securely stored. Here it performs 1:N matching of up to 50,000 (10,000 standard) fingerprint templates.

0°C to +60°C

Environment: Internal use only, medium to low traffic

Technology: Standalone or Wiegand connection, optional card reader

Sensor type: Optical

ACCESSORIES

IEVO-ANC-UFMK
Flush mounting kit for ievo ultimate™ fingerprint reader

IEVO-ANC-URC
Rain cover for ievo ultimate™ fingerprint reader

RELATED PRODUCTS
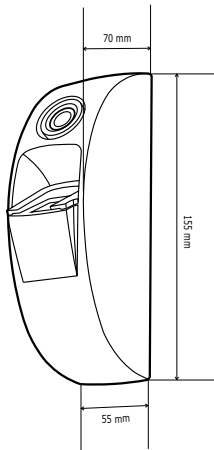
A22K
High security encrypted 2-door controller

IEVO-U+
ievo ultimate™ fingerprint reader with card reader

ACCESSORIES

IEVO-ANC-MFMK
Flush mounting kit for ievo micro™ fingerprint reader

IEVO-ANC-MRC
Surface cover for ievo micro™ fingerprint reader

RELATED PRODUCTS

IEVO-MB10K
2-reader ievo interface board, 10,000 fingerprints

IEVO-M+
ievo micro™ fingerprint reader with card reader

	IEVO-U
MATERIAL	PC/ABS mix
MOUNTING	Surface (flush mounting kit available)
MOUNTING HEIGHT	120cm
TECHNOLOGY	MSI sensor, standalone or Wiegand
SECURITY LEVEL	AES128-bit encryption to Interface Board (on request)
USER LIMIT	10,000 or 50,000 (dependent on Interface Board)
CABLE TYPE	Cat5e, Cat6 SFTP Ethernet, shielded RJ45 connectors
WIRING DISTANCE	90m to Interface Board (max), 75m access control board (max)
RESOLUTION	500dpi
DIMENSIONS	128 x 93 x 93 (surface) / 47 (flush) mm
WEIGHT	0.13 kg
POWER SUPPLY	12 - 24 Vac/dc
CONSUMPTION	600mA

	IEVO-M
MATERIAL	PC/ABS mix
MOUNTING	Surface (flush mounting kit available)
MOUNTING HEIGHT	120cm
TECHNOLOGY	Optical sensor, standalone or Wiegand
SECURITY LEVEL	AES128-bit encryption to Interface Board (on request)
USER LIMIT	10,000 or 50,000 (dependent on Interface Board)
CABLE TYPE	Cat5e, Cat6 SFTP Ethernet, shielded RJ45 connectors
WIRING DISTANCE	90m to Interface Board (max), 75m access control board (max)
RESOLUTION	500dpi
DIMENSIONS	155 x 55 x 70 mm
WEIGHT	0.06 kg
POWER SUPPLY	12 - 24 Vac/dc
CONSUMPTION	400mA

IEVO-DR | ievo fingerprint desktop enrolment units

IEVO-MB | 2-reader ievo interface boards

ievo

The ievo desktop enrolment units allow administrators to remotely manage the fingerprint enrolment process. Using a USB connection, the units plug directly into a PC, simplifying the registration process. Additionally, the registration units eliminate the need to enrol users via active or in-use readers - an essential solution for a high traffic systems.

ievo

The ievo™ Interface Board is a powerful fingerprint matching system supporting up to 2 ievo fingerprint readers (read in, read out). It acts as the main communication platform for integration, authentication and data processing of 10,000 or 50,000 fingerprint templates. A relay converter can be connected to the Wiegand output to allow direct lock control. The output is Wiegand by default.

IEVO-MDR   **IEVO-UDR**

IEVO-UDR

IEVO-MDR

Management: Software based (ievo isync)

Technology: USB desktop connection

Sensor type: Optical or multi-spectral imaging (MSI)
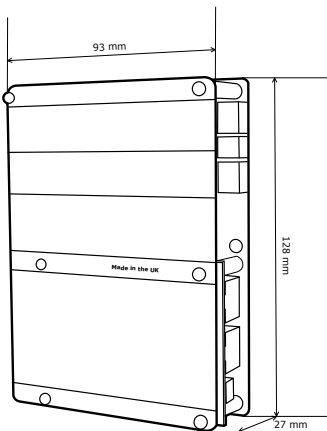
Management: Software based (ievo isync)

Technology: Standalone or Wiegand connection enabled with RS485 or RS422 outputs

Capacity: 2 readers, 10,000 or 50,0000 fingerprint templates

DID YOU KNOW?

When enrolling fingerprints with one of our enrolment units, an image is captured. The fingerprint algorithm extracts minutiae points from the image and generates an encrypted binary file.

The image is never saved and is discarded immediately after processing, keeping your biometric data secure.

RELATED PRODUCTS

IEVO-U
ievo ultimate™
fingerprint reader

IEVO-M
ievo micro™
fingerprint reader

ACCESSORIES

IEVO-U
ievo ultimate™
fingerprint reader

IEVO-M
ievo micro™
fingerprint reader

RELATED PRODUCTS

IEVO-MB10KPOE
2-reader ievo interface
board, 10,000 fingerprints
(PoE)

IEVO-MB50KPOE
2-reader ievo interface
board, 50,000 fingerprints
(PoE)

	IEVO-MDR	IEVO-UDR
MATERIAL	PC/ABS mix	
MOUNTING	Desktop	
TECHNOLOGY	Optical sensor	MSI sensor
CABLE TYPE	USB connection port	
RESOLUTION	500dpi	
DIMENSIONS	171 x 64 x 121 mm	66 x 69 x 99 mm
WEIGHT	0.37 kg	
POWER SUPPLY	5V (USB powered)	
CONSUMPTION	500mA	

|	IEVO-MB10K	IEVO-MB50K
SECURITY LEVEL	AES128-bit encryption (on request)	
USER LIMIT	10,000 in 1:1 or 1:N modes	50,000 in 1:1 or 1:N modes
MEMORY	Flash and RAM: 256MB	
CABLE TYPE	Cat5e, Cat6 SFTP Ethernet, shielded RJ45 connectors	
DIMENSIONS	128 x 93 x 27 mm	
WEIGHT	0.173 kg	
POWER SUPPLY	12 - 24 Vac/dc	
CONSUMPTION	1600mA (max) / 400mA (standby)	

BIOMETRICS
Facial Recognition

IFACE | ievo high speed facial recognition terminal

ievo

iface™ is an advanced face recognition terminal that provides highly accurate facial recognition & detection thanks to its 2 cameras. This enables rapid authentication & authorisation in only 1 second. iface provides a fully touchless access control solution which mounts on walls, desks, turnstiles, or other. The built-in RFID reader enables MIFARE® DESFire® card access where required.

0°C to +45°C
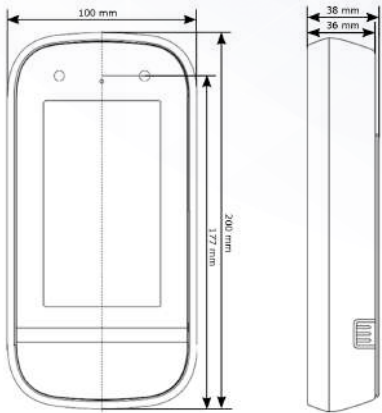
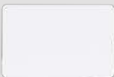**Environment:** Internal or external use away from direct sunlight

Technology: Standalone or Wiegand connection, built-in card reader

Capacity: 20,000 face templates

ACCESSORIES

BM4K
MIFARE® DESFire® EV1 4K card credential (pack of 10)

TX26-MC1
Universal single-channel transmitter

RELATED PRODUCTS

DWPS102U
DIGIWAY Plus door operator for single swing door with universal arm

V3SR
Surface 300kg magnetic lock, monitored, fire rated

	IFACE	IFACEPOE
MATERIAL	Polycarbonate	
MOUNTING	Surface	
MOUNTING HEIGHT	135cm	
TECHNOLOGY	MIFARE® DESFire® EV1 and FeliCa®	
SECURITY LEVEL	High	
USER LIMIT	20,000 (1:N mode)	
TIME DELAY	from 1 to 9999 sec	
MEMORY	8GB Flash, 2GB RAM	
CABLE TYPE	Cat5e, Cat6 (for IP connection)	
WIRING DISTANCE	100m (standard network connection)	
SCREEN SIZE	5 inches	
DIMENSIONS	200 x 100 x 36 mm	
WEIGHT	0.45 kg	
POWER SUPPLY	12 - 24 Vdc	PoE+ (IEEE 802.3at)
CONTACT RATING	3.0A	
CONSUMPTION	500mA	

CAN WE HAVE YOUR ATTENTION FOR JUST A SECOND?

That's how long it takes the ievo iface™ to identify, analyse, and match your face.

Emilie Song
5584200

www.cdvi.co.uk
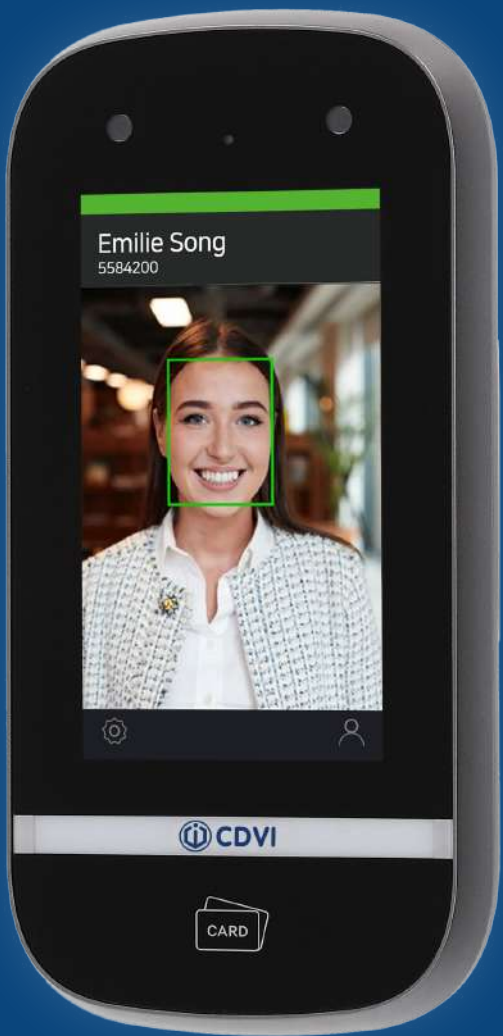
IEVO-ANC-AR | Wiegand relay module

The IEVO-ANC-AR is a lock relay module allowing for door control and Wiegand connection. On the secure side of the installation, the 'access granted' to a volt-free relay output.

RELAYS	2 x single-pole changeover circuits
TIME DELAY	1 or 8 seconds
WEIGHT	0.06 kg
CONTACT RATING	5A

IEVO-ANC | Flush and surface mounting kits and covers

IEVO-ANC-USMK

Surface mounting kit for ievo ultimate™ fingerprint reader

IEVO-ANC-URC

Rain cover for ievo ultimate™ fingerprint reader

IEVO-ANC-URS

Rain shield for ievo ultimate™ fingerprint reader

IEVO-ANC-MFMK

Flush mounting kit for ievo micro™ fingerprint reader

IEVO-ANC-MRC

Surface cover for ievo micro™ fingerprint reader

IEVO-ANC-UFMK

Flush mounting kit for ievo ultimate™ fingerprint reader

LISTED PRODUCTS

Reference	Description
IEVO-ANC-AR	Additional Wiegand relay module for ievo fingerprint readers
IEVO-ANC-ISYNCC	ievo isync client licence
IEVO-ANC-ISYNCS	ievo isync client and server licence
IEVO-ANC-MFMK	Flush mounting kit for ievo micro™ fingerprint reader
IEVO-ANC-MRC	Surface cover for ievo micro™ fingerprint reader
IEVO-ANC-UFMK	Flush mounting kit for ievo ultimate™ fingerprint reader
IEVO-ANC-URC	Rain cover for ievo ultimate™ fingerprint reader
IEVO-ANC-URS	Rain shield for ievo ultimate™ fingerprint reader
IEVO-ANC-USMK	Surface mounting kit for ievo ultimate™ fingerprint reader
IEVO-HIDDR	HID Omnikey
IEVO-M	ievo micro™ fingerprint reader
IEVO-M+	ievo micro™ fingerprint reader with card reader
IEVO-MB10K	2-reader ievo interface board, 10,000 fingerprints
IEVO-MB10KPOE	2-reader ievo interface board, 10,000 fingerprints (PoE)
IEVO-MB50K	2-reader ievo interface board, 50,000 fingerprints
IEVO-MB50KPOE	2-reader ievo interface board, 50,000 fingerprints (PoE)
IEVO-MDR	ievo micro™ desktop enrolment unit
IEVO-U	ievo ultimate™ fingerprint reader
IEVO-U+	ievo ultimate™ fingerprint reader with card reader
IEVO-UDR	ievo ultimate™ desktop enrolment unit
IFACE	ievo high speed facial recognition terminal, 12-24V
IFACEPOE	ievo high speed facial recognition terminal, PoE

Seamlessly integrate
ievo with ATRIUM

ievo's isync software enables seamless integration between ievo fingerprint readers and ATRIUM. Enhance your security by combining high-level biometric authentication with robust access control features.

In just one click, isync navigates to the ievo fingerprint registration screen, allowing users to scan and save their fingerprints as access credentials.

2 YEAR WARRANTY

INSTALLER TRAINING

Join us at the CDVI Academy for FREE installer training and join our extensive list of Certified Installers!

CDVI highly recommends installers attend training before starting to install automatic door openers. The EN16005 regulations are complex, and we recommend that installers obtain a full copy of the documentation to read and keep for reference.

EN16005 REGULATIONS

At CDVI, we advise that all DIGIWAY door automation systems meet EN16005 standards. These regulations address various factors for safe installation, such as safety signage, emergency provisions, safety barriers, and sensors designed to reduce risks associated with automated doors.

1 Complete a risk assessment
The level of safety provisions required to comply with EN16005 should be determined using a comprehensive risk assessment carried out by a trained installer on-site.

2 Provide the end user with documentation
It is the responsibility of the installer to provide manuals, user guides, and other documentation to the end user of the automatic door.

3 Install appropriate safety sensors
They keep people safe by detecting their presence in areas where they could be at risk from a moving door. For complete safety, both sides of the doors should be monitored.

4 Display safety signage
Users must be made aware clearly that a door opens automatically with signage on both sides of the door stating 'Automatic Door' and another instructing 'Keep Clear'.

5 Periodic maintenance
As the installer, you should perform checks regularly as per the manual instructions. Maintenance will help prevent failures and ensure compliance with safety standards. Particularly in high traffic zones with a lot of moving parts, maintenance is even more critical and should be done more frequently.

CHOOSING THE RIGHT DOOR OPERATOR

DIGIWAY PLUS
Electro-mechanically driven and specifically designed to improve accessibility into and around buildings for people with reduced mobility, making it ideal for residential or care home projects.

DIGIWAY SR
Assisted by a chain-driven spring close mechanism, making it particularly suitable for higher traffic sites. DIGIWAY SR is also fire rated to the EN1634-1 standard for up to 60 minutes.

	DIGIWAY PLUS	DIGIWAY SR
MAX DOOR WEIGHT	120kg	200kg
MAX DOOR WIDTH	1.2m	1.5m
POWER	50W	100W
LOCK POWER	12Vdc - 1A	12Vdc - 1A / 24Vdc - 0.5A
FIRE INPUT	Power 24-48Vdc	NC contact
SEMI-AUTOMATIC MODE	-	Yes
BATTERY FAILOVER	Yes	-
SPRING RETURN	-	Yes
SOFTWARE-ASSISTED SPRING PRE-LOAD	-	Yes

DOOR AUTOMATION

2 YEAR WARRANTY

Enhance Accessibility with DIGIWAY

DIGIWAY door automation offers unparalleled advantages, blending ease of installation with reliability. Designed for both residential and commercial environments, its two models—DIGIWAY Plus and DIGIWAY SR—cover diverse needs, from low-traffic private spaces to heavy-duty, high-traffic areas. Installers benefit from pre-assembled kits that simplify setup, saving time and effort. The integration of touchless technology, remote smartphone programming, and compatibility with existing access control systems ensures adaptability and modern functionality.

Additionally, DIGIWAY meets stringent EN16005 safety standards, providing assurance of compliance. CDVI supports installers with dedicated training programs, empowering them to deliver superior results. Its versatility, including fire resistance and handling for heavier doors, expands application possibilities while maintaining sleek aesthetics. These features make DIGIWAY an attractive solution for professionals prioritising efficiency, safety, and client satisfaction. By choosing DIGIWAY, installers unlock a user-friendly system that boosts productivity and enables seamless, high-quality installations in various settings.

Contents

Operators

DWPS102U | Motor-driven door operator for swing doors

2 YEAR WARRANTY

DIGIWAY DOOR AUTOMATION

DIGIWAY is a reliable, durable, and aesthetic solution for improved mobility in a wide range of environments. The DIGIWAY Plus is a fully automatic motor-return door operator designed for residential and lower-traffic installations. Combining ease of installation with discreet yet efficient operation, DIGIWAY Plus is suitable for people with reduced mobility under SENDA.

IP40   **-10°C to +55°C**
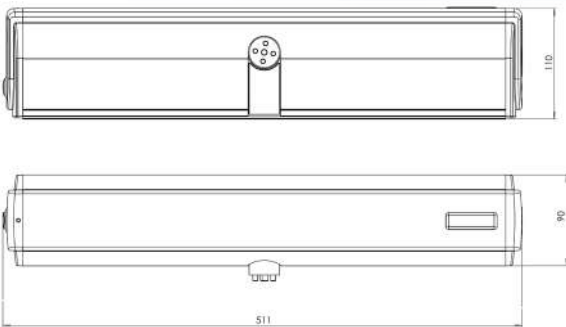
Product and technology compliant with the EN16005 standard

Technology: Fully automatic operation for inward or outward opening doors

Cycles: Tested for over 1,000,000 cycles

DWSR102U | Chain-driven door operator for swing doors

2 YEAR WARRANTY

FIRE RATED 60 MINUTES

DIGIWAY DOOR AUTOMATION

The DIGIWAY Spring Return offers high quality and high performance door automation, assisted by a chain-driven spring mechanism. Suitable for people with reduced mobility, it is ideal for higher traffic sites such as front doors or commercial sites. In addition, the SR is fire rated for 60 minutes under EN1634-1. Improve accessibility, security, and hygiene with the DIGIWAY Spring Return.

IP40   **-10°C to +55°C**
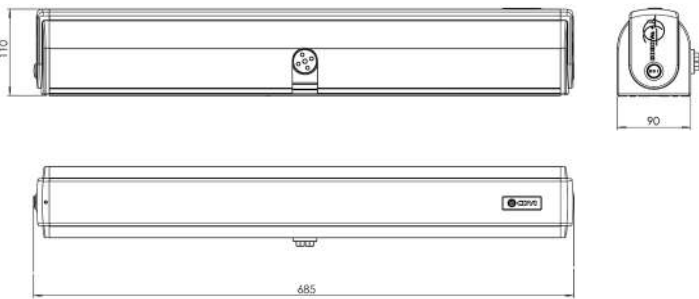
Product and technology compliant with the EN16005 standard

Technology: Spring driven for manual override for inward or outward opening doors

Cycles: Tested for over 1,000,000 cycles

ACCESSORIES

DWMBT
Plug-in module for remote smartphone control of DIGIWAY door operators

DWSE55
Motor shaft extension, 55 mm

RELATED PRODUCTS

DW-TLC
Toilet door control for door automation

DWCP-B
DIGIWAY touch-sensitive control panel, black

ACCESSORIES

FLEX-30
Compact door loop, 30cm

DWSE30
Motor shaft extension, 30 mm

RELATED PRODUCTS

DW-FLATSCAN
Laser safety sensor for swing doors

DWSSS-5M1
Infrared safety sensor for door automation

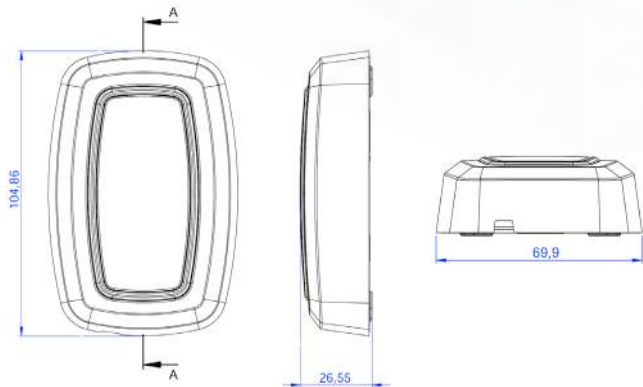|	DWPS102U
MATERIAL	Aluminium cover
MOUNTING	Surface
RELAYS	1 x NO/NC
TIME DELAY	Door open time: 1 to 99 seconds
CYCLE TESTING	1,000,000
FREQUENCY	433.92MHz
ENCODING	KeeLoq® hopping code
MEMORY	1 master transmitter, 49 operating transmitters
DIMENSIONS	511 x 90 x 110 mm
WEIGHT	5.9 kg
POWER SUPPLY	230 Vac
CONTACT RATING	10A @ 12Vdc (locking output)
BATTERY	12Vdc, 1.3AH

	DWSR102U
MATERIAL	Aluminium cover
MOUNTING	Surface
RELAYS	1 x NO/NC
TIME DELAY	Door open time: 1 to 99 seconds
CYCLE TESTING	1,000,000
FREQUENCY	433.92 MHz
ENCODING	KeeLoq® hopping code
MEMORY	1 master transmitter, 49 operating transmitters
DIMENSIONS	685 x 90 x 110 mm
WEIGHT	10.5 kg
POWER SUPPLY	230 Vac
CONTACT RATING	10A @ 12Vdc (locking output)
BATTERY	n/a

www.cdvi.co.uk
www.cdvi.co.uk

2 YEAR WARRANTY

DWCP | Touch-sensitive control panels for DIGIWAY

DIGIWAY DOOR AUTOMATION

The DWCP is a control panel that connects to the DIGIWAY Plus or DIGIWAY SR door operators. It replaces the external side switch of the door operator unit that sets the operating mode of the door. Users can set the operating mode to: 'Automatic', 'Door Free', or 'Door Open'. The DWCP also sets 'Day/Night' mode, disabling the external door sensors at night.

IP55

DWCP-B **DWCP-W**

- **Switch mode control for DIGIWAY door operators**
- **Touch-sensitive keys**
- **Easy to connect and install**

104.86   A   A   26.55   69.9

DWHR50-UNI | Microwave activation sensor

DIGIWAY DOOR AUTOMATION
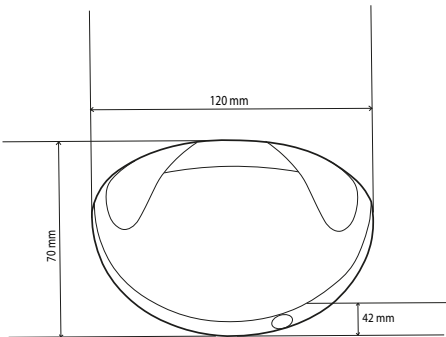
Sensors are an essential part of any door automation installation complying to EN16005 regulations. This discreet microwave sensor is ideal for detecting pedestrians when approaching or passing an automated door. With adjustable sensitivity and a selectable detection area, the DWHR50-UNI is a flexible solution for triggering doors to open and ensuring safety and compliance.

IP54   **-20°C to +60°C**

- **Product and technology compliant with the EN16005 standard**
- **Sensor:** Microwave
- **Easy to connect and install**

120 mm   70 mm   42 mm

2 YEAR WARRANTY

ACCESSORIES

DWS-ADSIGN
Automatic Door sign, self adhesive

DWS-KCSIGN
Keep Clear safety sign, self adhesive

RELATED PRODUCTS

DWPS102U
DIGIWAY Plus door operator for single swing door with universal arm

DWSR102U
DIGIWAY Spring Return door operator for single swing door with universal arm
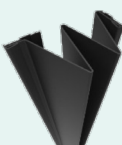
ACCESSORIES

DWHR50-WC
Weathershield for DHWR50-UNI microwave sensor

GF45
Robust door loop, 45cm

RELATED PRODUCTS

DWS-FGB
Finger-guard protective strip for door frames, black

DWS-FGW
Finger-guard protective strip for door frames, white

	DWCP-B	DWCP-W
MATERIAL	ABS & polycarbonate	
MOUNTING	Surface	
DIMENSIONS	105 x 70 x 23.5 mm	
WEIGHT	0.16 kg	
POWER SUPPLY	12 Vdc	
CONSUMPTION	1.5mA	

	DWHR50-UNI
MATERIAL	ABS
MOUNTING	Surface
TECHNOLOGY	Microwave
RELAYS	1 x NO/NC (selectable)
TIME DELAY	From 0.2 to 4 seconds
DETECTION RANGE	4m (W) x 3m (D) at 2.2m mounting height
FREQUENCY	125GHz
DIMENSIONS	70 x 120 x 42 mm
WEIGHT	0.25 kg
POWER SUPPLY	12 Vac/dc - 24 Vac/30Vdc
CONTACT RATING	1A @ 24Vdc
CONSUMPTION	110mA

DW-FLATSCAN | Laser safety sensors for swing doors

2 YEAR WARRANTY

DW-FLATSCAN3D

DW-FLATSCAN

DIGIWAY DOOR AUTOMATION
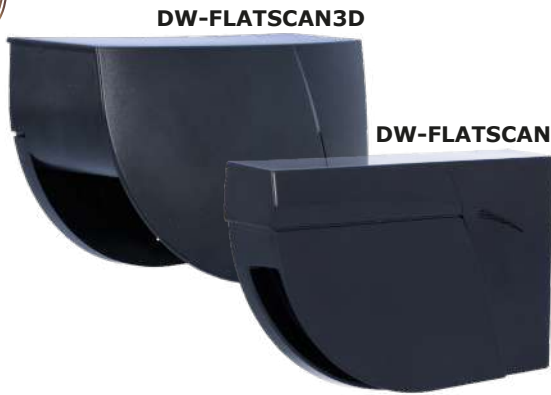
The DW-FLATSCAN sensors use laser and 'time of flight' technology, rather than traditional infrared models. These sensors generate a 2D or 3D (volumetric) laser curtain, allowing for very discreet installations and improved safety to the door and hinge area. This ensures that the door only moves when the whole pathway is clear.

IP IP54   **t°** -25°C to +60°C
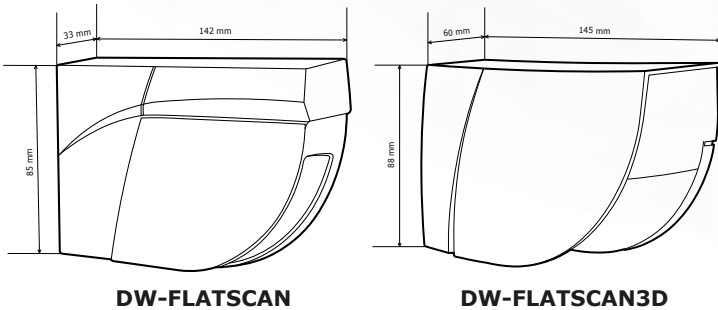
- **Product and technology compliant with the EN16005 standard**
- **Sensor:** Laser or volumetric laser
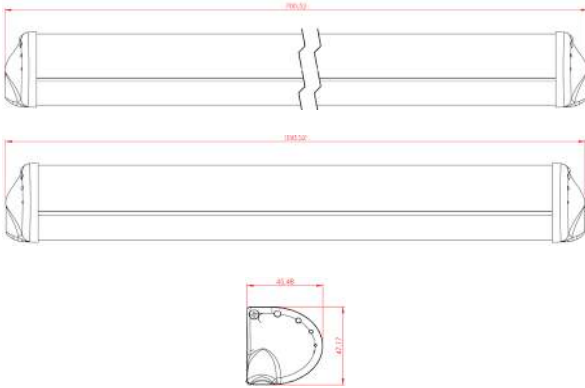- **Easy to connect and install**

DW-FLATSCAN   DW-FLATSCAN3D

DW-4SAFE | Infrared safety sensor for swing doors

2 YEAR WARRANTY

DW-4SAFE-L

DW-4SAFE-S

DIGIWAY DOOR AUTOMATION

The DW-4SAFE is an infrared door sensor which fits to the door. It protects users whilst the door is in motion, enabling compliance with the EN16005 standard. The 4SAFE, with two size options, features an intuitive configuration process with time-tested infrared feedback. This enables the device to detect users who interrupt the door's movement, creating a safe automatic entrance.

IP IP54   **t°** -25°C to +55°C

- **Product and technology compliant with the EN16005 standard**
- **Sensor:** Infrared
- **Easy to connect and install**
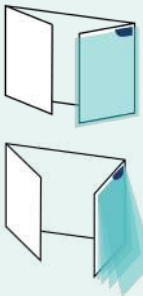
ACCESSORIES

DWS-ADSIGN
Automatic Door sign, self adhesive

DWS-KCSIGN
Keep Clear safety sign, self adhesive

DID YOU KNOW?

Laser Technology
1 laser curtain measuring 170 points divided over 105°.

Volumetric Laser Technology
4 laser curtains, each measuring at different angles ensuring optimal object detection.

ACCESSORIES

DW-4SAFE-LRA
Weathershield for DW-4SAFE-L safety sensor

DW-4SAFE-SRA
Weathershield for DW-4SAFE-S safety sensor

RELATED PRODUCTS

DWPS102U
DIGIWAY Plus door operator for single swing door with universal arm

DWSR102U
DIGIWAY Spring Return door operator for single swing door with universal arm

	DW-FLATSCAN	DW-FLATSCAN3D
MATERIAL	Polycarbonate/ASA and aluminium	
MOUNTING	Surface, top corner of door leaf	
TECHNOLOGY	Laser, time of flight measurement	Volumetric laser, time of flight measurement
RELAYS	2 x COM/NC	2 x COM/NC (presence), 1 x COM/NO (activation)
TIME DELAY	n/a	
DETECTION RANGE	Max 4m (in diagonal). In proportion to object distance. DIP 2 = ON Door wing: 10cm @ 4m Hinge area: 2cm @ 4m	Max 4m (in diagonal). Angular adjustments: Curtain 1: 0.2° Curtain 2: 1° Curtain 3: 1.7° Curtain 4: 2.5°
DIMENSIONS	85 x 142 x 33 mm	88 x 145 x 60 mm
WEIGHT	0.573 kg	0.644 kg
POWER SUPPLY	12 - 24 Vdc	
CONTACT RATING	100mA @ 42V	
CONSUMPTION	166mA @ 2W	

	DW-4SAFE-L	DW-4SAFE-S
MATERIAL	ABS and aluminium	
MOUNTING	Surface mount on door leaf	
MOUNTING HEIGHT	1.3 to 3.5m from floor	
TECHNOLOGY	Infrared	
RELAYS	2 x NO/NC	
TIME DELAY	n/a	
DETECTION RANGE	400mm (W) x 700mm (D) at 2m mounting height	
DIMENSIONS	47 x 700 x 45.5 mm	47 x 350 x 45.5 mm
WEIGHT	0.55 kg	0.35 kg
POWER SUPPLY	12 - 24 Vac/dc	
CONTACT RATING	1A @ 24V	
CONSUMPTION	60-180mA (dependent on voltage and master/sub status)	

DWSSS-5M1 | Infrared safety sensor for door automation

**DIGIWAY DOOR AUTOMATION**

The DWSSS-5M1 is a sturdy infrared sensor that is installed on the door leaf itself and protects users whilst the door is in motion by detecting them within the danger zone and triggering the door to halt its operation. Effective sensors are essential for door automation installations complying with the EN16005 standard to ensure protection of users when doors are in their operating cycle.
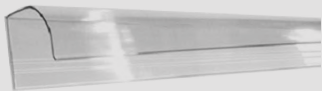
IP54   -20°C to +60°C
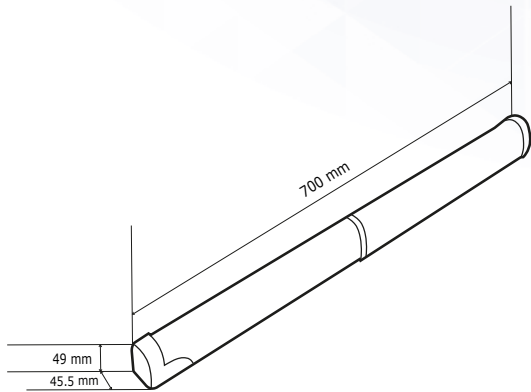
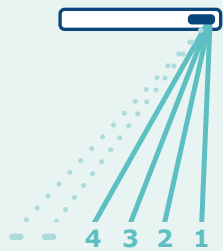**Product and technology compliant with the EN16005 standard**

Sensor: Infrared

Easy to connect and install

700 mm

49 mm
45.5 mm

ACCESSORIES

DWWC-SSS5
Weathershield for DWSSS-5M1 infrared sensor

DID YOU KNOW?

The DWSSS-5M1 utilises **static presence detection** through PSD distance measurement.

It emits six detection spots at a specified distance, which can be adjusted, and includes smart object detection.

When an object enters the spot's field, it disrupts the predefined distance, prompting the sensor to recalculate and stop the door.

4 3 2 1

EN16005 COMPLIANT KITS FOR SINGLE & DOUBLE DOORS

EN16005-KIT-U

EN16005 compliant kit - DIGIWAY Plus, single door

EN16005-KIT-UD

EN16005 compliant kit - DIGIWAY Plus, double doors

Kits for single doors include

- 1x Door operator
- 2x Infrared sensor
- 1x Fingerguard
- 2x 'Keep clear' safety sign
- 2x 'Automatic door' safety sign

EN16005-KIT-U-SR

EN16005 compliant kit - DIGIWAY SR, single door

EN16005-KIT-UD-SR

EN16005 compliant kit - DIGIWAY SR, double doors

Kits for double doors include

- 2x Door operator
- 4x Infrared sensor
- 2x Fingerguard
- 4x 'Keep clear' safety sign
- 4x 'Automatic door' safety sign

DIGIWAY BLE

The DIGIWAY BLE is designed for installers, allowing easier operation of the DIGIWAY Plus and DIGIWAY SR automatic swing door operators.

Instead of fiddling with the buttons on the operator (that is usually installed in an inconvenient place out of arm's reach), the app mirrors the readout of the operator's LCD screen, so you can program from a comfy chair instead.

DIGIWAY operators have optional remote mobile connection, which makes programming and fault finding so much easier.

Download the DIGIWAY BLE app for free on the app store today.

Download on the App Store   GET IT ON Google Play

DWSSS-5M1	
MATERIAL	ABS
MOUNTING	Surface mount on the door leaf
MOUNTING HEIGHT	2.6m (max)
TECHNOLOGY	Infrared, static presence detection
RELAYS	1 x NO/NC (selectable)
TIME DELAY	From 0.5 to 2 seconds
DETECTION RANGE	From 0-2.5m. Angular adjustment: 5°,10°,15°, 20°, 25°
DIMENSIONS	49 x 700 x 45.5 mm
WEIGHT	0.65 kg
POWER SUPPLY	12 - 24 Vdc
CONTACT RATING	100mA @ 50Vdc
CONSUMPTION	110mA

## Kits

2 YEAR WARRANTY

DW-TLC | Toilet door control for door automation

DIGIWAY DOOR AUTOMATION

The DW-TLC is a toilet door lock control module operated by two touch-sensitive sensors. It controls entry by locking and unlocking the toilet door at the appropriate times, interfacing with both the automatic door operator and the locking device. The touch-sensitive units make it easy to operate for anyone, including those with limited mobility or dexterity.

IP IP65
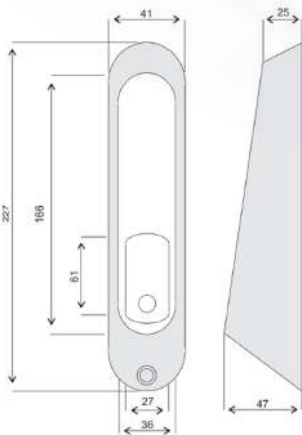
- **Ideal for coupling to DIGIWAY door operators**
- **Touch-sensitive keys**
- **Suitable for people with reduced mobility (DDA compliant)**

ACCESSORIES

PSMB123
Switch mode power supply, 12Vdc / 3A

EM201
Double-pole resettable emergency door release

RELATED PRODUCTS

DW-TLC-KIT
Toilet door control kit for door automation

DWSR102U
DIGIWAY Spring Return door operator for single swing door with universal arm

	DW-TLC
MATERIAL	Glass filled nylon
MOUNTING	Surface
TECHNOLOGY	Touch sensitive
RELAYS	1 x NO/NC
DIMENSIONS	225 x 40 x 49 mm
WEIGHT	0.23 kg
POWER SUPPLY	7 - 30 Vdc
CONSUMPTION	27mA

Become a Certified Installer

Get featured on our ***Find an Installer*** webpage by attending our on-site DIGIWAY door automation training session.

Led by our industry experts, for all experience levels.

#CDVIACADEMY CERTIFIED INSTALLER

Looking for more training opportunities?
Check out our website for our full range:

- ◢ Intro to Access Control (CPD)
- ◢ ATRIUM Online Access Control
- ◢ ievo Biometric Solutions
- ◢ DIGIWAY Door Automation (CPD)

DWMBT | Plug-in module for remote control of door operators

- Free DIGIWAY BLE mobile app
- Enables programming from your smartphone
- Makes it easy to navigate menus and set parameters

	DWMBT
POWER SUPPLY	3 Vdc

DWP-CS | Interconnecting cable for double doors

- Interconnecting cable for DIGIWAY door operators
- Enables automation of double doors
- Included in all DIGIWAY double door kits
- Compliant with EN16005 regulations

	DWP-CS
DIMENSIONS	2m cable
WEIGHT	0.06 kg

DWSE | Motor shaft extensions

- Extension shaft for DIGIWAY arm
- Installed on the motor shaft

	DWSE80	DWSE55	DWSE30
MATERIAL	Chromed steel		
DIMENSIONS	Ø 35 x 80 mm	Ø 35 x 55 mm	Ø 35 x 30 mm
WEIGHT	0.6 kg	0.39 kg	0.22 kg

DWSP-K | Key switch for DIGIWAY door operators

- 3-position key switch for use with DIGIWAY door operators
- Direct connection to DIGIWAY operator
- Use as a remote alternative for changing door modes

	DWSP-KF	DWSP-KS
MATERIAL	Stainless steel	
MOUNTING	Flush	Surface
DIMENSIONS	86 x 86 x 2 mm	86 x 86 x 30 mm

LISTED PRODUCTS

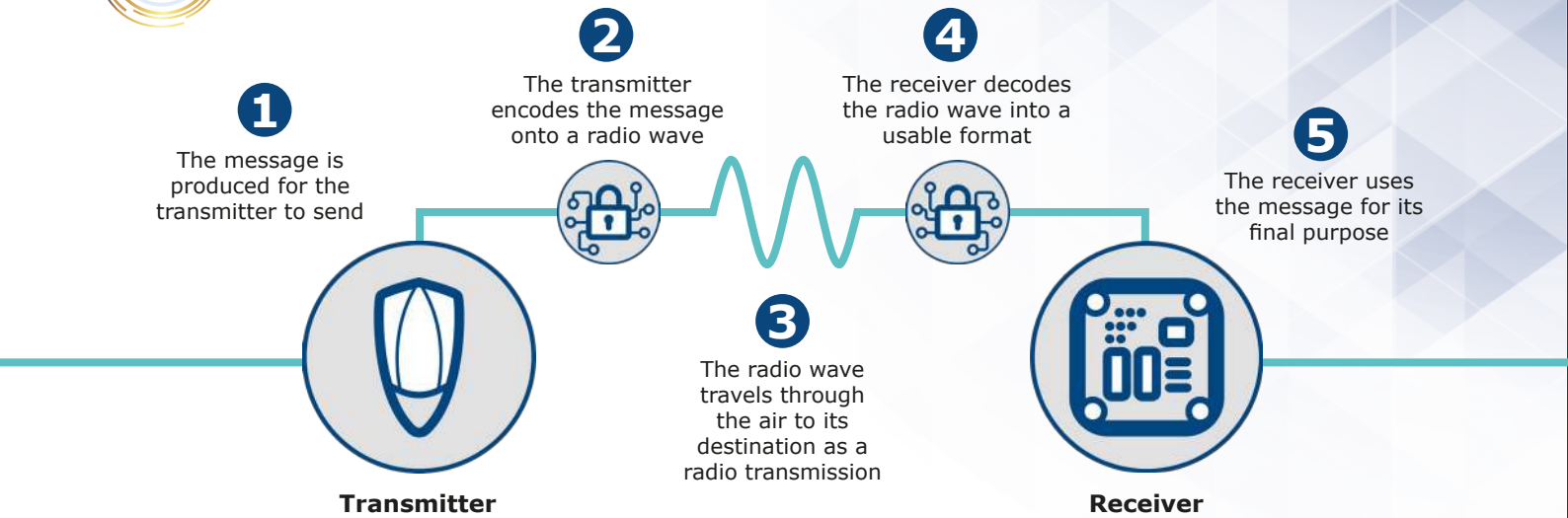| Reference	Description
DW-4SAFE-FDA	Infrared safety sensor with fire door lead connection
DW-4SAFE-IRM	Infrared safety sensor module with 4 infrared spots
DW-4SAFE-L	Infrared safety sensor for swing doors, 700mm
DW-4SAFE-LRA	Weathershield for DW-4SAFE-L safety sensor
DW-4SAFE-S	Infrared safety sensor for swing doors, 350mm
DW-4SAFE-SRA	Weathershield for DW-4SAFE-S safety sensor
DW-FLATSCAN	Laser safety sensor for swing doors
DW-FLATSCAN3D	Volumetric laser safety sensor for swing doors
DW-TLC	Toilet door control for door automation
DWAA35	Articulated arm for DIGIWAY Plus and DIGIWAY SR, 350mm tube
DWAA55	Articulated arm for DIGIWAY Plus and DIGIWAY SR, 550mm tube
DWCP-B	DIGIWAY touch-sensitive control panel, black
DWCP-W	DIGIWAY control panel, white
DWHR50-UNI	Microwave activation sensor
DWHR50-WC	Weathershield for DHWR50-UNI microwave sensor
DWMBT	Plug-in module for remote smartphone control of DIGIWAY door operators
DWP-CS	Interconnecting cable for double door automation
DWP-KU	Universal arm kit for DIGIWAY Plus
DWPS102U	DIGIWAY Plus door operator for single swing door with universal arm
DWS-ADSIGN	Automatic Door sign, self adhesive
DWS-FGB	Finger-guard protective strip for door frames, black
DWS-FGW	Finger-guard protective strip for door frames, white
DWS-KCSIGN	Keep Clear safety sign, self adhesive
DWSE30	Motor shaft extension, 30 mm
DWSE55	Motor shaft extension, 55 mm
DWSE80	Motor shaft extension, 80 mm
DWSP-KF	Key switch for DIGIWAY door operators, flush mount
DWSP-KS	Key switch for DIGIWAY door operators, surface mount
DWSR-KU	Universal arm kit for DIGIWAY SR
DWSR102U	DIGIWAY Spring Return door operator for single swing door with universal arm
DWSSS-5M1	Infrared safety sensor for door automation
DWWC-SSS5	Weathershield for DWSSS-5M1 infrared sensor

AVAILABLE KITS

Reference	Description
DW-TLC-KIT	Toilet door control kit for door automation
EN16005-KIT-U	EN16005 compliant kit - DIGIWAY Plus, single door
EN16005-KIT-U-SR	EN16005 compliant kit - DIGIWAY SR, single door
EN16005-KIT-UD	EN16005 compliant kit - DIGIWAY Plus, double doors
EN16005-KIT-UD-SR	EN16005 compliant kit - DIGIWAY SR, double doors

5 YEAR WARRANTY

HOW DOES RADIO TRANSMISSION WORK?

1 The message is produced for the transmitter to send

2 The transmitter encodes the message onto a radio wave

3 The radio wave travels through the air to its destination as a radio transmission

4 The receiver decodes the radio wave into a usable format

5 The receiver uses the message for its final purpose

Transmitter

Receiver

KeeLoq® hopping code

This encryption prevents hackers from intercepting radio signals. By constantly changing the access password, it reduces the risk of hacking. Even if a signal is intercepted, the password will have already changed by the time it's used. KeeLoq® employs a 66-bit transmission code with 32-bit encryption, offering nearly **4 billion possible combinations!**

CHOOSING THE RIGHT TRANSMITTERS AND RECEIVERS

It's important to ensure that you've chosen the right transmitters & receivers for your projects. There's a lot to consider, but here are some of the key factors to think about:

Relays
Relays change the state of a circuit. How many circuits do you need to control?

Memory
How many transmitters do you need to have space for in the system?

Technology
Do the modulation types and frequencies of your components match?

Encoding
Do you need a system with additional encryption to protect transmissions?

IP Rating
Will the components be installed outdoors or exposed to the elements?

RADIO TRANSMISSION

5 YEAR WARRANTY

Secure Radio Frequency Access Control Solutions

CDVI's radio transmission solutions, featuring KeeLoq® rolling code technology, offer secure and efficient access control for users. This advanced system ensures encrypted communication, reducing the risk of unauthorised entry by dynamically changing access codes with every use. With robust 66-bit encryption and billions of code combinations, these solutions prevent code replay attacks. Synchronisation between transmitters and receivers is seamless, even if devices are temporarily out of range.

Users benefit from a user-friendly setup and a wide range of compatible products, ideal for all sorts of automation, such as gates, doors, and lighting.

Contents

CUBEKIT | Wireless radio kit with smartphone connection

CUBEPOWER   **2 x S1TR2641E1**

KEY BENEFITS

- Remote programming from a free smartphone app
- Memory for up to 250 transmitters and 100 smartphones
- Mobile credentials for fast and convenient automation triggering
- Robustly protected data with KeeLoq®
- Three different receivers to suit different project requirements

The CUBEKIT is a wireless radio kit that is part of the CUBE X family of radio products. The CUBEKIT includes one 1-relay receiver and two handheld transmitters. This radio solution is a cost-effective way to modernise homes and businesses by automating doors, gates, elevators, lighting, and more.

The receiver (CUBEPOWER) is programmed and controlled remotely via the InstallerCUBE app available on iOS and Android. Another app is also available for end users specifically (UserCUBE), allowing them direct access. In addition, the CUBE X system enables relay triggering with mobile credentials for even faster access.

Installers who register on the InstallerCUBE app for the first time receive three mobile credentials for **free**!

Simple   **Convenient**   **Secure**

INSTALLERCUBE

USERCUBE

- Trigger automatic gates for a residential driveway with ease
- Automate warehouse or factory shutter gates for forklift access
- Switch on outdoor lights from your phone to improve safety
- Open garage doors remotely on approach, ready to drive straight in

	CUBEKIT
MATERIAL	ABS
TECHNOLOGY	Radio frequency & Bluetooth
SECURITY LEVEL	High - AES128 encryption (with smartphone)
RELAYS	1 x C/NO/NC
TIME DELAY	From 1sec to 23h 59min 59sec
CHANNELS	1 per transmitter
FREQUENCY	433.92MHz
MODULATION	AM/ASK
ENCODING	KeeLoq® hopping code
CODE COMBINATIONS	2^{64}
MEMORY	Up to 250 transmitters and 100 smartphones
OPERATING MODES	Pulse, latch, timed
POWER SUPPLY	12 - 24 Vac/dc
CONTACT RATING	1A @ 30Vdc (NO), 6A @ 30Vdc (NC)
CONSUMPTION	120mA @ 12Vac (500mA at power up)

## CUBE | 1-relay receivers with remote programming

CUBESIGNAL   **CUBEPOWER**   **CUBE230**

The CUBE Series are 1-relay receivers with mobile connection and AC/DC power input. They're ideal for automating doors, gates, lighting, and more. CUBE X enables the control and programming of receivers remotely via the InstallerCUBE app, and gives users the power to operate the system from their phone with the UserCUBE app and optional mobile credentials.

IP2X   -30°C to +70°C
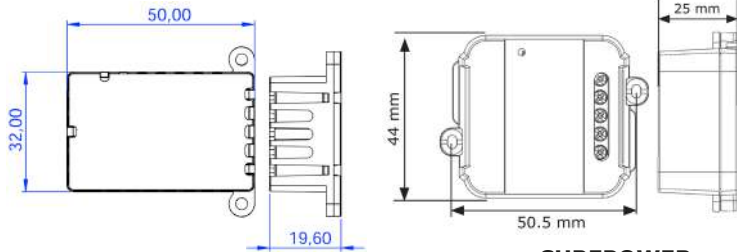
CUBESIGNAL   **CUBEPOWER CUBE230**

- **Relays:** 1, with pulse, timed, and latch modes
- **Technology:** KeeLoq® hopping code, 433.92MHz, remote smartphone connection
- **Memory:** 250 transmitters, 100 smartphones

ACCESSORIES

CMC10
10 mobile credentials licence card for CUBE X

S1TR2641E1
1-channel hand-held transmitter (CUBE X)

RELATED PRODUCTS

CUBESIGNAL2
2-relay receiver with remote programming, 12-24Vac/dc

CUBESIGNALY4
4-relay external receiver with remote programming, 12-24Vac/dc

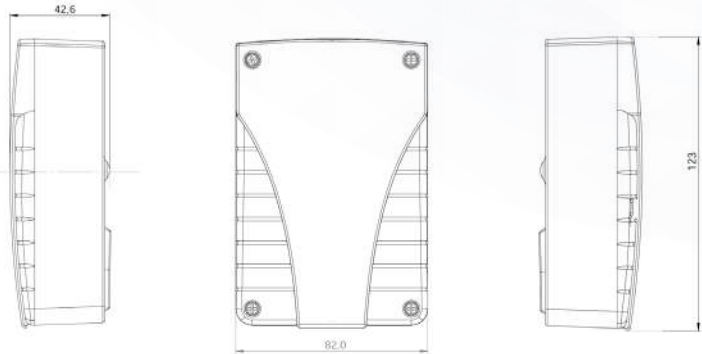|	CUBE230	CUBEPOWER	CUBESIGNAL
MATERIAL	ABS		
TECHNOLOGY	Radio frequency, Bluetooth®		
SECURITY LEVEL	High - AES128 encryption (with smartphone)		
RELAYS	1 x C/NO	1 x C/NO/NC	
TIME DELAY	From 1sec to 23h 59min 59sec		
FREQUENCY	433.92MHz		
MODULATION	AM/ASK		
ENCODING	KeeLoq® hopping code		
CODE COMBINATIONS	2^{64}		
MEMORY	Up to 250 transmitters and 100 smartphones		
OPERATING MODES	Pulse, latch, timed		
DIMENSIONS	44 x 50.5 x 25 mm		50 x 32 x 20 mm
WEIGHT	0.05 kg	0.047 kg	0.03 kg
POWER SUPPLY	100 - 240 Vac	12 - 24 Vac/dc	
CONTACT RATING	16A @ 250Vac (NO), 10A @ 30Vdc (C,NO)	1A @ 30Vdc (NO), 6A @ 30Vdc (NC)	1A @ 24V (60V max)
CONSUMPTION	16mA (max)	120mA @ 12Vac (500mA at power up)	78mA @ 12Vac

RX128-XPL | High security 128-bit receiver, 2 relays

The RX128-XPL receiver from CDVI is equipped with AES128 encryption and KeeLoq® rolling code, meaning users can be confident in the privacy and security of their data. With two relays and memory for up to 500 paired transmitter buttons, this receiver is ideal for installations requiring both wireless activation, high security, and a Wiegand connection.

IP55   -10°C to +60°C

Relays: 2 relays

Technology: AES128 encryption, KeeLoq® hopping code, 433.92MHz

Memory: 500 transmitter channels

STANDARD 1- OR 2-RELAY RECEIVERS

These standard receivers are small and versatile - perfect for automation and security projects such as wire-free control of gates, barriers, doors, and lights. The receivers include either one or two relays, as well as memory capacity from 85 to 100 transmitter channels. The RX26-XPL additionally benefits from an LCD menu screen, making configuration quick and easy.

IP2X   -20°C to +70°C
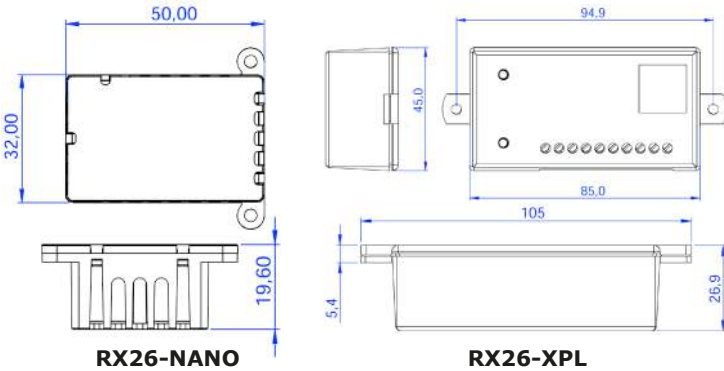
RX26-NANO   **RX26-XPL**

Relays: 1 or 2 relays

Technology: KeeLoq® hopping code, 433.92MHz

Memory: 85 or 100 transmitter channels

RX26-NANO   **RX26-XPL**

ACCESSORIES

TX128-E2
Hand-held 2-channel transmitter with AES128 encryption

TX128-E4
Hand-held 4-channel transmitter with AES128 encryption

RELATED PRODUCTS

PSMB123
Switch mode power supply, 12Vdc / 3A

ACCESSORIES

MEM-XPL
Backup memory for XPL Series receivers, 500 additional users

PSMB123
Switch mode power supply, 12Vdc / 3A

RELATED PRODUCTS

TX26-AM2
2-channel mini hand-held transmitter

TX26-S7E4-ERP
Hand-held 4-channel transmitter with built-in proximity tag

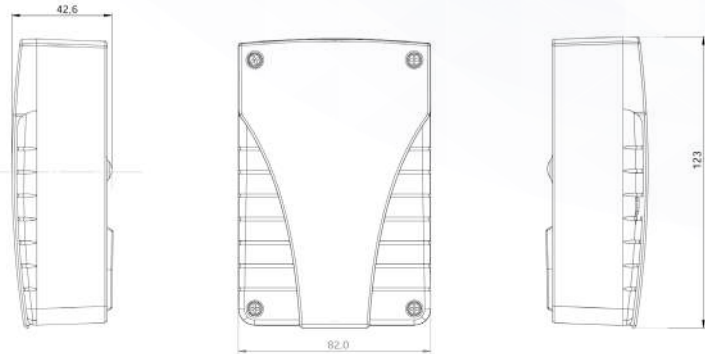|	RX128-XPL
MATERIAL	Polycarbonate
TECHNOLOGY	Radio frequency
SECURITY LEVEL	High - AES128 encryption
RELAYS	2 x C/NO
TIME DELAY	From 1sec to 23h 59min 59sec
FREQUENCY	433.92MHz
MODULATION	GFSK
ENCODING	KeeLoq® hopping code
CODE COMBINATIONS	2^{128}
MEMORY	500 transmitter channels
OPERATING MODES	Pulse, latch, timed
DIMENSIONS	123 x 82 x 41.5 mm
WEIGHT	0.65 kg
POWER SUPPLY	12 - 24 Vac/dc
CONTACT RATING	24VA (48Vdc max)
CONSUMPTION	50mA

	RX26-NANO	RX26-XPL
MATERIAL	Polycarbonate housing	
TECHNOLOGY	Radio frequency	
SECURITY LEVEL	Standard	
RELAYS	1 x C/NO	1 x NO, 1 x NO/NC
TIME DELAY	From 1 to 30 sec	From 1sec to 23h 59min 59sec
FREQUENCY	433.92MHz	
MODULATION	AM/ASK	
ENCODING	KeeLoq® hopping code	
CODE COMBINATIONS	2^{64}	
MEMORY	85 transmitter channels	100 transmitter channels
OPERATING MODES	Pulse, timed	Pulse, latch
DIMENSIONS	50 x 32 x 20 mm	105 x 45 x 28 mm
WEIGHT	0.03 kg	0.08 kg
POWER SUPPLY	12 - 24 Vac/dc	
CONTACT RATING	24VA	24VA (60V max)
CONSUMPTION	30mA	90mA @ 12Vdc

RX26-XPL5 | 2-relay or 4-relay receiver, 12-24Vac/dc

RX26-XPL5 **RX26-XPL54**

These XPL receivers combine simple operation and easy programming with the versatility of an IP55 rated enclosure and memory capacity for up to 500 transmitter channels. This model has four relays that can be configured for pulse, timed, or latch modes, with two voltage options. To ensure the security of the data being transmitted, it is encoded by KeeLoq® rolling code.

IP55   -20°C to +70°C

Relays: 2 or 4 relays

Technology: KeeLoq® hopping code, 433.92MHz

Memory: 500 transmitter channels

RX26-XPL4V | 4-relay receiver, 12/24Vac/dc or 230Vac

These XPL receivers combine simple operation and easy programming with the versatility of an IP55 rated enclosure and memory capacity for up to 500 transmitter channels. This model has four relays that can be configured for pulse, timed, or latch modes, at 230Vac. To ensure the security of the data being transmitted, it is encoded by KeeLoq® rolling code, constantly changing its access password.

IP55   -20°C to +70°C

Relays: 4

Technology: KeeLoq® hopping code, 433.92MHz
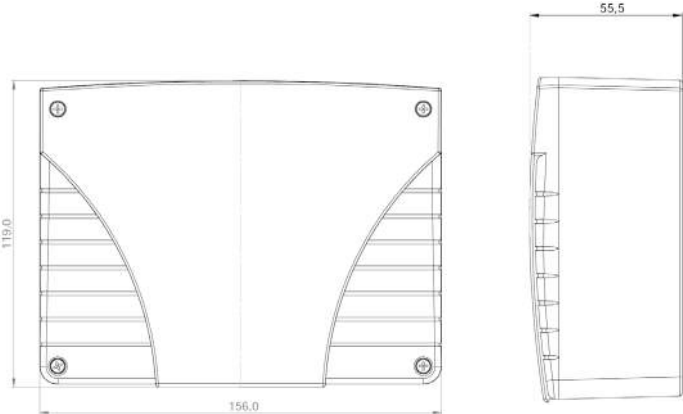
Memory: 500 transmitter channels

ACCESSORIES

SEA433
Tuned aerial with L-bracket and 3.5m cable

SEA433-L
Tuned aerial with L-bracket and 6.0m cable

*RELATED PRODUCTS

TX26-E4
4-channel hand-held transmitter

TX26-T4
4-channel hand-held transmitter

*Any CDVI transmitter starting with TX26.

ACCESSORIES

SEA433
Tuned aerial with L-bracket and 3.5m cable

SEA433-L
Tuned aerial with L-bracket and 6.0m cable

*RELATED PRODUCTS

TX26-TTHS-B
1-channel radio touchless transmitter, black

GALEO-R
Wireless keypad transmitter

*Any CDVI transmitter starting with TX26.

	RX26-XPL5	RX26-XPL54
MATERIAL	Polycarbonate housing	
TECHNOLOGY	Radio frequency	
SECURITY LEVEL	Standard	
RELAYS	1 x NO, 1 x NO/NC	3 x NO, 1 x NO/NC
TIME DELAY	From 1sec to 23h 59min 59sec	
FREQUENCY	433.92MHz	
MODULATION	AM/ASK	
ENCODING	KeeLoq® hopping code	
CODE COMBINATIONS	2^{64}	
MEMORY	500 transmitter channels	
OPERATING MODES	Pulse, latch, timed	
DIMENSIONS	155 x 118 x 55 mm	
WEIGHT	0.065 kg	
POWER SUPPLY	12 - 24 Vac/dc	
CONTACT RATING	24VA (60V max)	
CONSUMPTION	90mA @ 12Vdc	

|	RX26-XPL4V
MATERIAL	Polycarbonate housing
TECHNOLOGY	Radio frequency
SECURITY LEVEL	Standard
RELAYS	4 x NO/NC
TIME DELAY	From 1sec to 23h 59min 59sec
FREQUENCY	433.92MHz
MODULATION	AM/ASK
ENCODING	KeeLoq® hopping code
CODE COMBINATIONS	2^{64}
MEMORY	500 transmitter channels
OPERATING MODES	Pulse, latch, timed
DIMENSIONS	155 x 118 x 55 mm
WEIGHT	0.15 kg
POWER SUPPLY	230 Vac
CONTACT RATING	16A / 230Vac
CONSUMPTION	20mA

RX26-Z | Compact miniature receivers

These miniature-size receivers are ideal for projects requiring wireless communication with limited space for installation. With all the components contained in a box just 80x80mm, you can incorporate radio transmission into even the trickiest of spaces for automatic gates, doors, roller shutters, awnings, and lights. The Z receivers are available with one, two or four relays.

IP65   -20°C to +70°C
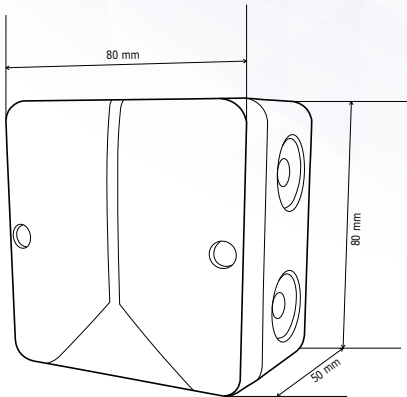
Relays: 1, 2 or 4 relays

Technology: KeeLoq® hopping code, 433.92MHz

Memory: 85 transmitter channels

80 mm
80 mm
50 mm

ACCESSORIES

ADC335
12Vdc 3.5A switch mode power supply

*RELATED PRODUCTS

TX26-AM1
1-channel mini hand-held transmitter

TX26-S7E4-ERN
Hand-held 4-channel transmitter

*Any CDVI transmitter starting with TX26.

	RX26-Z1	RX26-Z2	RX26-Z4
MATERIAL	Polycarbonate		
TECHNOLOGY	Radio frequency		
SECURITY LEVEL	Standard		
RELAYS	1 x NO or 1 x NO/NC	1 x NO, 1 x NO/NC	2 x NO, 1 x NO/NC
TIME DELAY	n/a		
FREQUENCY	433.92MHz		
MODULATION	AM/ASK		
ENCODING	KeeLoq® hopping code		
CODE COMBINATIONS	2^{64}		
MEMORY	85 transmitter channels		
OPERATING MODES	Pulse, latch		
DIMENSIONS	80 x 80 x 50 mm		
WEIGHT	0.13 kg		
POWER SUPPLY	12 - 24 Vac/dc		
CONTACT RATING	24VA		
CONSUMPTION	18mA @ 12Vdc / 41mA @ 24Vdc		

1- TO 4-RELAY RECEIVERS TO FIT YOUR INSTALLATION

RX26-DIN
DIN mount receiver, 4 relays
IP2X   -20°C to +70°C

RX26-MF
Mains-powered universal receiver
IP40   -10°C to +50°C

RX39-433i
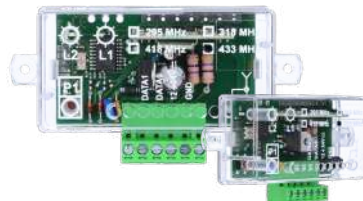2-relay receiver, fixed code
IP30   -20°C to +70°C

WIEGAND RECEIVERS

SELW-2630MF
External Wiegand receiver
IP55   -20°C to +70°C

SELW-R433
Wiegand receiver, 26-bit
IP2X   -20°C to +70°C

	RX26-DIN	RX26-MF	RX39-433i	SELW-2630MF	SELW-R433
MATERIAL	ABS & polycarbonate	ABS	Polycarbonate		
TECHNOLOGY	Radio frequency			Radio frequency & Wiegand 26, 30 bits	
SECURITY LEVEL	Standard				
RELAYS	4 x C/NO/NC	1 x C/NO	1 x NO, 1 x NO/NC	n/a	
TIME DELAY	n/a	300ms max load activation time	n/a		
FREQUENCY	433.92MHz				
MODULATION	AM/ASK				
ENCODING	KeeLoq® hopping code				
CODE COMBINATIONS	264			n/a	
MEMORY	85 transmitter channels		100 transmitter channels	Dependent on access control system	
OPERATING MODES	Pulse, latch		Pulse	n/a	
DIMENSIONS	70 x 90 x 60 mm	50.5 x 40 x 16 mm	105 x 45 x 28 mm	109 x 109 x 56 mm	28 x 105 x 45 mm
WEIGHT	0.08 kg	0.45 kg	0.065 kg	0.02 kg	0.065 kg
POWER SUPPLY	12 Vac/dc	230 Vac	12 - 24 Vac/dc		
CONTACT RATING	3.5KW / 230Vac	500W	24W or 24VA	250mA	
CONSUMPTION	250mA @ 12Vac, 120mA @ 12Vdc	n/a	55mA	24mA	

Transmitters

Transmitters

TX128 | Hand-held transmitters with AES128 encryption

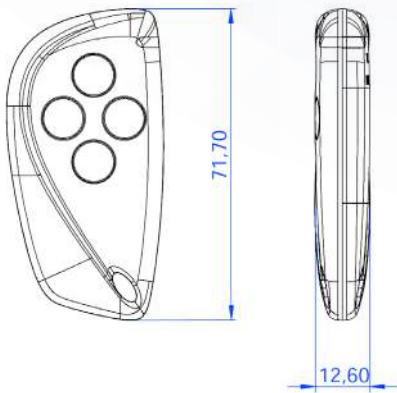## 1- TO 4-CHANNEL HAND-HELD TRANSMITTERS

TX128-E2

TX128-E4

These hand-held transmitters are ideal for triggering automatic doors, gates, and lights in a high security environment. With data transmission protected by both KeeLoq® rolling code and AES128 encryption, the TX128 offer a high security solution over two or four transmission channels. Additionnally, they are ergonomically designed for comfort and transmit up to 250m in open field.

IP2X   -10°C to +55°C

Channels: 2 or 4 buttons

Technology: AES128 encryption, KeeLoq® hopping code, 433.92MHz

Read range: Up to 250m in open field

TX26-AM1   TX26-AM2

TX26-E   TX26-T

This range of hand-held radio transmitters is ideal for triggering automatic doors, gates, and lights. Ranging from one to four trigger buttons, they are perfect for keeping in the car or on a keyring to open driveway gates. These transmitters are compatible with all standard CDVI 433.92MHz receivers, and transmissions are protected by KeeLoq® hopping code to prevent interception.

IP2X   -10°C to +55°C

Channels: 1, 2, or 4 buttons

Technology: KeeLoq® hopping code, 433.92MHz

Read range: 200-250m in open field

TX26-AM1   TX26-T

TX26-AM2   TX26-E

DID YOU KNOW?

AES encryption secures wireless data by ensuring confidentiality and preventing interception. In AES 128, data is split into 128-bit blocks, making decryption nearly impossible without the unique, secret key. Only authorised devices can encode and decode transmissions, ensuring secure communication.
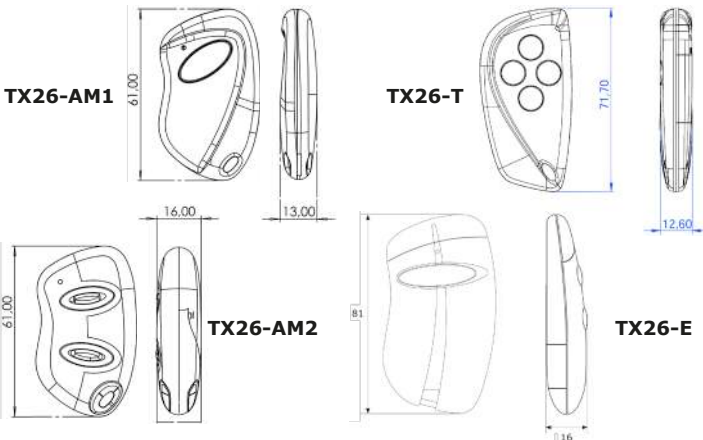
RELATED PRODUCTS

RX128-XPL
High security 128-bit receiver, 2 relays

ACCESSORIES

SESMT03
Wall holder for TX26-E Series transmitters

RELATED PRODUCTS

RX26-NANO
NANO receiver, 1 relay

RX26-XPL
Standard receiver, 2 relays, with LCD display

	TX128-E2	TX128-E4
MATERIAL	Polycarbonate	
TECHNOLOGY	Radio frequency	
SECURITY LEVEL	High - AES128 encryption	
READ RANGE	Up to 250m range in open field	
CHANNELS	2	4
FREQUENCY	433.92MHz	
MODULATION	AM/ASK	
ENCODING	KeeLoq® hopping code	
CODE COMBINATIONS	2^{64}	
DIMENSIONS	72 x 36 x 12 mm	
WEIGHT	0.03 kg	
CONSUMPTION	15mA	
BATTERY	3V, CR2032 Lithium battery (included)	

|	TX26-AM1	TX26-AM2	TX26-E1	TX26-E2	TX26-E4	TX26-T1	TX26-T2	TX26-T4
MATERIAL	Polycarbonate							
TECHNOLOGY	Radio frequency							
SECURITY LEVEL	Standard							
READ RANGE	Up to 200m range in open field		Up to 250m range in open field					
CHANNELS	1	2	1	2	4	1	2	4
FREQUENCY	433.92MHz							
MODULATION	AM/ASK							
ENCODING	KeeLoq® hopping code							
CODE COMBINATIONS	2^{64}							
DIMENSIONS	61 x 36 x 16 mm		81 x 46 x 16 mm			72 x 36 x 12 mm		
WEIGHT	0.013 kg	0.02 kg	0.03 kg					
CONSUMPTION	13mA		15mA					
BATTERY	6V, 2x CR2016 batteries (included)		12V, L12028 battery (included)			3V, CR2032 Lithium battery (included)		

TX26-S7 | Hand-held 4-channel transmitter

TX26-S7E4-ERN

TX26-S7E4-ERP

Transmission solutions are ideal for automation projects in residential, commercial, and industrial settings. These stylish hand-held transmitters are ideal for attaching to keyrings. They trigger four different circuits from four separate buttons. The TX26-S7E4-ERP also includes a built-in proximity tag, making it a dual solution for both access control and transmission.

IP68   -10°C to +55°C
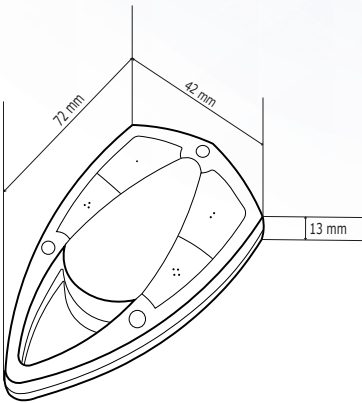
Channels: 4 buttons

Technology: KeeLoq® hopping code, 433.92MHz

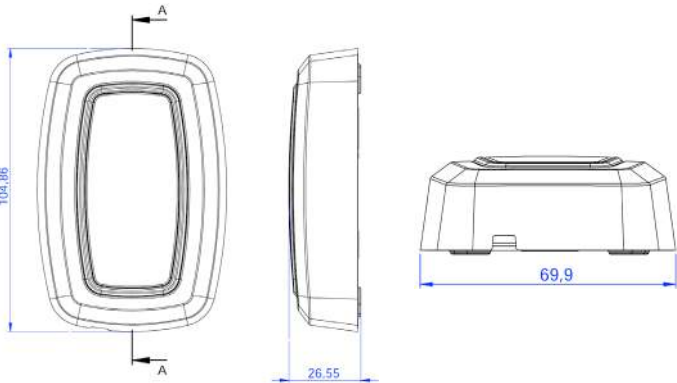**Read range:** Up to 250m in open field

TX26-TTHS | 1-channel radio touchless transmitter

TX26-TTHS-B

TX26-TTHS-W

This touchless radio transmitter with KeeLoq® technology is ideal for operating gates, doors, and garage doors. Thanks to its battery power, it does not require any wiring, making installations simple and easy. The TX26-TTHS triggers when a hand is waved in front of the device, making it a safe and hygienic touchless solution. It is available in black or white.

IP55   -20°C to +80°C

Channels: 1 touchless trigger

Technology: KeeLoq® hopping code, 433.92MHz

Read range: Up to 300m in open field

DID YOU KNOW?

When ordering a box of transmitters, you can batch-load them onto your receiver instead of registering each one individually. Simply enter the serial number of the first and last transmitter in the box, and the system will automatically upload all transmitters within that range.

RELATED PRODUCTS

RX26-XPL
Standard receiver, 2 relays, with LCD display

RX26-Z1
1-relay miniature receiver

ACCESSORIES

GAE-12CC
Fail secure strike kit, 12Vdc, continuous rated, fixed jaw

RELATED PRODUCTS

RX26-NANO
NANO receiver, 1 relay

RX26-DIN
DIN mount receiver, 4 relays

	TX26-S7E4-ERN	TX26-S7E4-ERP
MATERIAL	Polycarbonate and metal	
TECHNOLOGY	Radio frequency	Radio frequency & proximity
SECURITY LEVEL	Standard	
READ RANGE	Up to 250m range in open field	
CHANNELS	4	
FREQUENCY	433.92 MHz	433.92 MHz transmission / 125kHz proximity
MODULATION	AM/ASK	
ENCODING	KeeLoq hopping code	
CODE COMBINATIONS	2^{64}	
DIMENSIONS	72 x 42 x 13 mm	
WEIGHT	0.032 kg	
CONSUMPTION	15mA	
BATTERY	3V, CR2032 Lithium battery (included)	

	TX26-TTHS-B	TX26-TTHS-W
MATERIAL	Polycarbonate	
MOUNTING	Surface	
TECHNOLOGY	Infrared	
SECURITY LEVEL	Standard	
READ RANGE	Up to 300m range in open field	
DETECTION RANGE	Up to 4 cm	
CHANNELS	1	
FREQUENCY	433.92MHz	
MODULATION	AM/ASK	
ENCODING	KeeLoq® hopping code	
CODE COMBINATIONS	2^{64}	
DIMENSIONS	105 x 70 x 23.5 mm	
WEIGHT	0.1 kg	
CONSUMPTION	60mA (in operation)	
BATTERY	3V, ER14505 Lithium battery (included)	

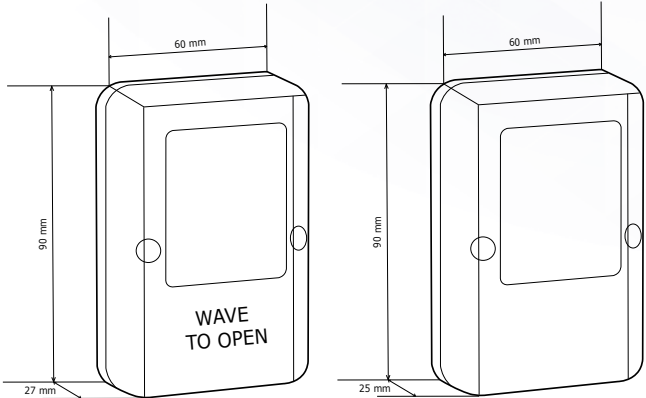## SENS | Infrared & touch-sensitive transmitters

SENSIR   SENSRAD

These touch-sensitive or touch-free transmitters are ideal for triggering door releases as an exit device. Users simply touch the face, or wave in front of it, to activate the radio signal. An audible beep indicates successful activation. Thanks to their built-in battery power, these transmitters are completely wireless, making installation easy and keeping disruption to a minimum.

IP55   -20°C to +80°C

Channels: 2

Technology: KeeLoq® hopping code, 433.92MHz

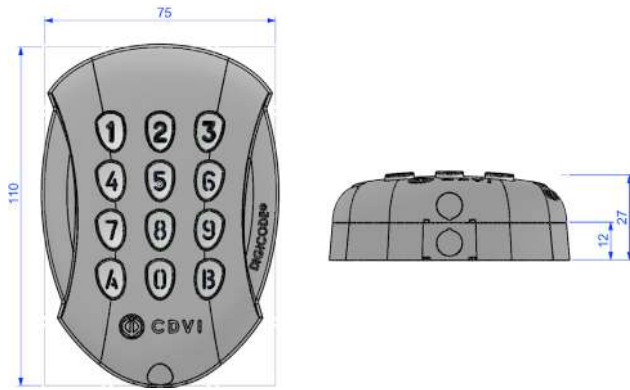**Read range:** 200-400m in open field

WAVE TO OPEN

GALEO-R | Wireless keypad transmitter

This wireless keypad uses radio frequency communication to transmit data from the keypad to a receiver. This keypad is battery powered and requires no wires at all. With an IP64 rated enclosure and data transmission protected by KeeLoq® hopping code, the GALEO-R is an ideal solution for many tricky installs. This keypad is compatible with all standard 433.92MHz receivers in the CDVI range.

IP64   IK10   -25°C to +70°C

Channels: 2

Technology: KeeLoq® hopping code, 433.92MHz

Read range: Up to 200m in open field

ACCESSORIES

SR1024
Symmetrical fail secure strike, 10-24Vdc, continuous current

RELATED PRODUCTS

DWSR102U
DIGIWAY Spring Return door operator for single swing door with universal arm

DWPS102U
DIGIWAY Plus door operator for single swing door with universal arm

ACCESSORIES

ARU-M
ANSI-style strike, 12Vdc, monitored

RELATED PRODUCTS

RX26-XPL5
Receiver, 2 relays, 12-24Vac/dc

RX26-NANO
NANO receiver, 1 relay

	SENSIR	SENSRAD
MATERIAL	Polycarbonate	
MOUNTING	Surface	
TECHNOLOGY	Infrared	Touch-sensitive
SECURITY LEVEL	Standard	
READ RANGE	Up to 400m range in open field	
DETECTION RANGE	Up to 14 cm	
CHANNELS	1	
FREQUENCY	433.92MHz	
MODULATION	AM/ASK	
ENCODING	KeeLoq® hopping code	
CODE COMBINATIONS	2^{64}	
DIMENSIONS	90 x 60 x 27 mm	90 x 60 x 25 mm
WEIGHT	0.07 kg	0.09 kg
CONSUMPTION	20mA (in operation)	
BATTERY	3V, CR123A battery (included)	

	GALEO-R
MATERIAL	Zamak® alloy
MOUNTING	Surface
TECHNOLOGY	Radio frequency
SECURITY LEVEL	Standard
READ RANGE	Up to 200m range in open field
DETECTION RANGE	n/a
CHANNELS	2, using A & B keys
FREQUENCY	433.92MHz
MODULATION	AM/ASK
ENCODING	KeeLoq® hopping code
CODE COMBINATIONS	2^{64}
DIMENSIONS	110 x 75 x 27 mm
WEIGHT	0.3 kg
CONSUMPTION	28mA (in operation)
BATTERY	3.6V Lithium battery

Transmitters

Long Range

1- TO 4-CHANNEL TRANSMITTERS

DTRR1434 | Long-range Wiegand or standalone reader

TX26-DIN

DIN rail mount transmitter

IP2X

- Channels activated by contacts changing from open to closed
- Ideal for industrial or domestic use with a DIN rail mount
- Trigger a signal from one cabinet to another

Example
When running cables between the video intercom system and the gate is difficult or not possible.

TX26-MC1

Universal single-channel transmitter

-20°C to +80°C

- Turns any standard contact into a radio frequency signal
- Open connections (push-to-make)
- Ideal for push-to-exit buttons when cabling is difficult (ie. glass doors)

Example
Trigger the opening or closing of the door from a receptionist's desk by pressing a button.

TX26-M1

Mains supply transmitter

IP2X

- Up to 25 seconds transmission zone
- Power up the transmitter to restart the tranmission
- Ideal for controlling any spare light switch

Example
Remotely control outdoor lighting in the garden or garage area.

Digi tag®

This long-range solution offers real hands-free access control for an affordable cost. With a read range of up to 15m, users don't need to present their card directly to the reader. Just having it on their person is enough for the reader to pick it up. This is ideal for use in hospitals, care homes, warehouses, or anywhere else where hands-free access is more convenient.
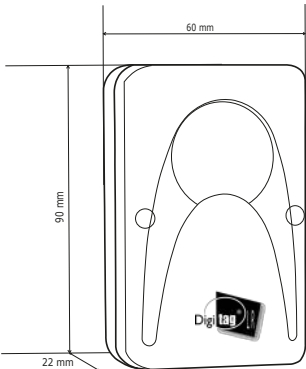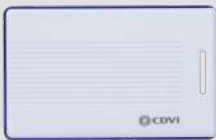
IP54   -10°C to +70°C

Relays: 1 (standalone only)

Technology: Long-range transmission, 433.93 MHz

Memory: Dependent on access control system (Wiegand), 30 transmitter cards (standalone)

60 mm

90 mm

22 mm

ACCESSORIES

DTXT5434
Hands-free long-range active card credential

RELATED PRODUCTS

DWPS102U
DIGIWAY Plus door operator for single swing door with universal arm

	TX26-DIN	TX26-M1	TX26-MC1
MOUNTING	DIN Rail	n/a	
TECHNOLOGY	Radio frequency		
SECURITY LEVEL	Standard		
READ RANGE	Up to 400m range in open field	Up to 200m range in open field	Up to 1,000m range in open field
CHANNELS	4	1	
FREQUENCY	433.92MHz		
MODULATION	AM/ASK		
ENCODING	KeeLoq® hopping code		
CODE COMBINATIONS	264		
DIMENSIONS	90 x 60 x 30 mm	50.5 x 40 x 16 mm	45 x 28 x 6 mm
WEIGHT	0.07 kg	0.5 kg	0.012 kg
POWER SUPPLY	12 - 24 Vac/dc	230 Vac	n/a
CONSUMPTION	75mA (2 active channels)	0.6VA	17mA
BATTERY	n/a		9V, MN1604/PP3

	DTRR1434	DTRR1434-R
MATERIAL	Polycarbonate	
MOUNTING	Surface	
TECHNOLOGY	Radio frequency, Wiegand 26-bit	Radio frequency
SECURITY LEVEL	Standard	
READ RANGE	Up to 15m range in open field	
RELAYS	1 x C/NO/NC	
TIME DELAY	From 1 to 30 sec	
FREQUENCY	433.93MHz	
MODULATION	FSK	
MEMORY	Dependent on access control system (20 transmitters buffering)	Up to 30 transmitters
DIMENSIONS	90 x 60 x 22 mm	
WEIGHT	0.08 kg	
POWER SUPPLY	12 - 30Vdc	
CONTACT RATING	n/a	
CONSUMPTION	40mA	60mA

LISTED PRODUCTS

Reference	Description
CMC10	10 mobile credentials licence card for CUBE X
CUBE230	1-relay receiver with remote programming, 230Vac
CUBEKIT	Wireless radio kit including 1x 1-relay receiver and 2x 1-channel transmitters
CUBEPOWER	1-relay receiver with remote programming, 12-24Vac/dc
CUBESIGNAL	1-relay mini receiver with remote programming, 12-24Vac/dc
CUBESIGNAL2	2-relay receiver with remote programming, 12-24Vac/dc
CUBESIGNALY2	2-relay external receiver with remote programming, 12-24Vac/dc
CUBESIGNALY4	4-relay external receiver with remote programming, 12-24Vac/dc
DTRR1434	Long-range Wiegand reader
DTRR1434-R	Self-contained long-range standalone reader
DTXT5434	Hands-free long-range active card credential
DTXT5434-P	Long-range card credential with active tag & proximity
DTXT5434MI	Long-range active tag & MIFARE® card credential
GALEO-R	Wireless keypad transmitter
MEM-XPL	Backup memory for XPL Series receivers, 500 additional users
OPR-KIT	Universal transmitter & NANO receiver kit
RX128-XPL	High security 128-bit receiver, 2 relays
RX26-DIN	DIN mount receiver, 4 relays
RX26-MF	Mains-powered universal receiver
RX26-NANO	NANO receiver, 1 relay
RX26-XPL	Standard receiver, 2 relays, with LCD display
RX26-XPL5	Receiver, 2 relays, 12-24Vac/dc
RX26-XPL54	Receiver, 4 relays, 12-24Vac/dc
RX26-XPL4V	Receiver, 4 relays, 230Vac

Reference	Description
RX26-Z1	1-relay miniature receiver
RX26-Z2	2-relay miniature receiver
RX26-Z4	4-relay miniature receiver
RX39-433i	2-relay receiver, fixed code
S1TR2641E1	1-channel hand-held transmitter (CUBE X)
SEA433	Tuned aerial with L-bracket and 3.5m cable
SEA433-L	Tuned aerial with L-bracket and 6.0m cable
SELW-2630MF	External Wiegand receiver
SELW-R433	Wiegand receiver, 26-bit
SENSIR	Infrared hands-free transmitter
SENSRAD	Touch-sensitive wireless transmitter
SESMT03	Wall holder for TX26-E Series transmitters
TX128-E2	Hand-held 2-channel transmitter with AES128 encryption
TX128-E4	Hand-held 4-channel transmitter with AES128 encryption
TX26-AM1	1-channel mini hand-held transmitter
TX26-AM2	2-channel mini hand-held transmitter
TX26-DIN	DIN rail mount transmitter
TX26-E1	1-channel hand-held transmitter
TX26-E2	2-channel hand-held transmitter
TX26-E4	4-channel hand-held transmitter
TX26-M1	Mains supply transmitter
TX26-MC1	Universal single-channel transmitter
TX26-S7E4-ERN	Hand-held 4-channel transmitter
TX26-S7E4-ERP	Hand-held 4-channel transmitter with built-in proximity tag
TX26-T1	1-channel hand-held transmitter
TX26-T2	2-channel hand-held transmitter
TX26-T4	4-channel hand-held transmitter
TX26-TTHS-B	1-channel radio touchless transmitter, black
TX26-TTHS-W	1-channel radio touchless transmitter, white

Radio transmission
the unsung hero of gate automation

If you've never used radio transmission in your access control installations, it's time to give it a try!

Operating gates without leaving your vehicle has never been easier.

Whether it's from a card stuck on the inside of your car window or a hand held model on your keyring, there's an option for everyone.

AVAILABLE KITS

Reference	Description
CUBEKIT	Wireless radio kit including 1x 1-relay receiver and 2x 1-channel transmitters
OPR-KIT	Universal transmitter & NANO receiver kit

ULTRA HIGH FREQUENCY

Introduction

WHAT IS ULTRA HIGH FREQUENCY?

Ultra High Frequency (UHF) refers to the range of radio frequencies between 300 MHz and 3 GHz (3000 MHz). This range of frequencies is commonly used for various forms of communication due to its ability to penetrate buildings and offer relatively short wavelength, which allows for the design of compact antennas. UHF is widely employed in television and radio broadcasting, WiFi frequencies, satellite communicaiton, and microwave ovens.

The UHF range offers benefits like better penetration through obstacles and higher data capacity.

KEY BENEFITS AND USAGE OF U4GO

KEY BENEFITS

- Standalone mode for up to 7,560 UHF credentials & 100 remote keys

- Wiegand mode (26-, 30-, or 44-bit) to link to access control systems

- AES128-bit encryption to robustly protect data transmission

- Choose standard cards for inside the vehicle or adhesive stickers and tags for outside the vehicle

Ideal for gates in industrial or reserved car parks

Automate warehouse or factory shutter gates for forklift access

Suited for logistical hubs such as container ports

Restrict access to lorry drop-off and delivery bays

Simple
Choose from a range of RFID access credentials depending on your needs to complete your solution: cards, windshield stickers or numberplate tags.

Secure
The kits come supplied with AES128 encrypted receiver & transmitters. When connected to our ATRIUM controller, the whole data chain becomes secured.

Reliable
Our U4GO antennas read credentials up to 6 or 10 metres and detect equipped vehicles at a max speed of 80km/h.

ULTRA HIGH FREQUENCY

U4GO - UHF System for Gate Automation

The U4GO system by CDVI revolutionises automated gate access with advanced ultra-high frequency (UHF) technology, providing seamless hands-free operation for vehicles and pedestrians. It's ideal for residential, commercial, and high-security applications, offering robust weather resistance and discreet windshield installation.

Compatible with CDVI's ATRIUM access control, U4GO centralises credential management across multiple access points, streamlining operations and enhancing security. Multi-level credentials, including key fobs and RFID cards, ensure versatility for diverse user needs. By enhancing convenience and accessibility, particularly for those with mobility challenges, U4GO elevates property value and safety. Its intuitive setup and durable design guarantee reliable performance in various conditions, making it a perfect choice for modern access control needs.

Contents

A10U48 | U4GO long range access kit, 10m, 865 MHz

U4GO

U4GO makes it easy to control secure access to gated facilities with long range UHF credentials, which identify people and vehicles at a distance of up to 10 metres. The reader is backed by an interface that manages up to 7,560 tags and thanks to its own built-in receiver, up to 100 transmitters. The kits can be used in standalone or Wiegand modes.

IP55   -25°C to +80°C
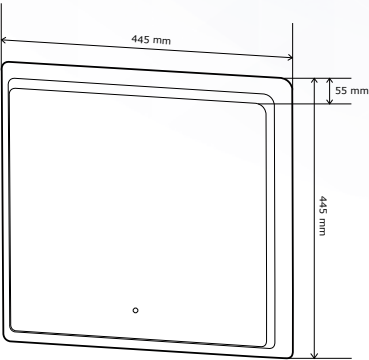
Detection range: Up to 10m

Technology: UHF, 865-868MHz, Wiegand or standalone connection

Memory: Dependent on access control system (Wiegand), 7,560 tags (standalone), 100 transmitters

445 mm
55 mm
445 mm

A6U48 | U4GO mid range access kit, 6m, 865 MHz

U4GO

The A6U48 is part of the U4GO system for the identification of people and vehicles at a distance of up to 6 metres. The system operates in standalone or Wiegand mode. In standalone mode, outbound connections are via two output relays. The Wiegand mode facilitates smooth integration with access control solutions.

IP55   -20°C to +80°C
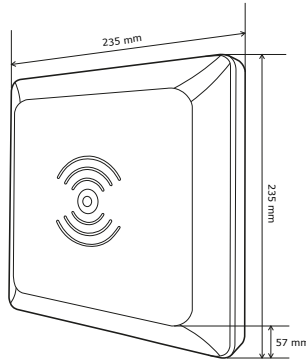
Detection range: Up to 6m

Technology: UHF, 865-868MHz, Wiegand or standalone connection

Memory: Dependent on access control system (Wiegand), 7,560 tags (standalone), 100 transmitters

235 mm
235 mm
57 mm

ACCESSORIES

ATU48
U4GO car sticker credentials, 865 MHz (pack of 10)

CTU48
U4GO UHF card credential (pack of 10)

RELATED PRODUCTS

A22K
High security encrypted 2-door controller

ACCESSORIES

ATU48P
U4GO tamper proof car sticker credentials, 865 MHz (pack of 10)

CTU48EV2
U4GO UHF and DESFire EV2 card credential (pack of 10)

RELATED PRODUCTS

A22K
High security encrypted 2-door controller

	A10U48
MATERIAL	ABS & polycarbonate
MOUNTING	On wall with bracket (supplied)
MOUNTING HEIGHT	2.2m
TECHNOLOGY	Ultra High Frequency (UHF), Wiegand 26, 30 & 44 bits
SECURITY LEVEL	High - AES 128-bit encryption (receiver transmission)
USER LIMIT	Standalone: 7,560 tags / Wiegand: Dependent on access control system
TIME DELAY	From 1sec to 23h 59min 59sec
DETECTION RANGE	10m (at up to 80km/h)
FREQUENCY	865 - 868 MHz
MODULATION	FHSS
DIMENSIONS	445 x 445 x 55 mm
WEIGHT	2.4 kg
POWER SUPPLY	230 Vac
CONSUMPTION	350mA (650mA max)

	A6U48
MATERIAL	ABS & polycarbonate
MOUNTING	On wall with bracket (supplied)
MOUNTING HEIGHT	2.2m
TECHNOLOGY	Ultra High Frequency (UHF), Wiegand 26, 30 & 44 bits
SECURITY LEVEL	High - AES 128-bit encryption (receiver transmission)
USER LIMIT	Standalone: 7,560 tags / Wiegand: Dependent on access control system
TIME DELAY	From 1sec to 23h 59min 59sec
DETECTION RANGE	10m (at up to 80km/h)
FREQUENCY	865 - 868 MHz
MODULATION	FHSS
DIMENSIONS	235 x 235 x 57 mm
WEIGHT	0.9 kg
POWER SUPPLY	230 Vac
CONSUMPTION	350mA (650mA max)

High Security

RXU4GO128 | U4GO high security encrypted receiver

5 YEAR WARRANTY

This high security receiver enables the U4GO readers to have a radio signal. It also allows for the addition of 100 hand-held transmitters to the system. This is ideal for manual gate operation in addition to U4GO credentials. It transfers data at AES128-bit encryption. This receiver is only used with the U4GO range.
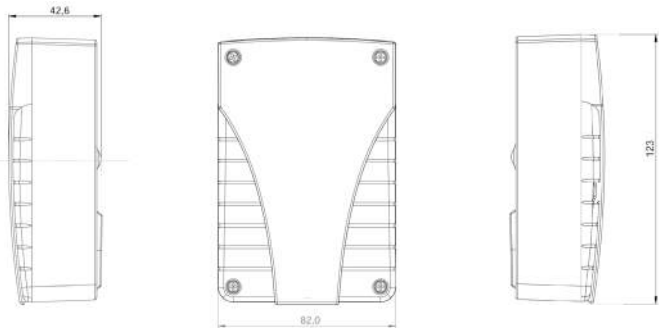
IP55   -20°C to +70°C

Relays: 4

Technology: AES128 encryption, KeeLoq® hopping code, 433.92MHz

Memory: 100 transmitters

ACCESSORIES

TX128-E2
Hand-held 2-channel transmitter with AES128 encryption

RELATED PRODUCTS

A22K
High security encrypted 2-door controller

A6U48
U4GO mid range kit, 6m, 865 MHz (credentials not included)

Park smarter
with U4GO

Commuting is stressful enough without added issues when parking. From unauthorised vehicles in your spot to forgetting the code to the gate, there's certainly annoyances you could live without! U4GO creates a seamless solution so you can park smarter.

No stress, no codes, and no need to step out of your vehicle.

	RXU4GO128
MATERIAL	Polycarbonate
MOUNTING	Surface
TECHNOLOGY	Radio frequency
SECURITY LEVEL	High - AES128-bit encryption
RELAYS	2 x C/NO
TIME DELAY	From 1sec to 23h 59min 59sec
FREQUENCY	433.92 MHz
MODULATION	GFSK
ENCODING	KeeLoq® hopping code
CODE COMBINATIONS	2^{64}
MEMORY	100 transmitters
DIMENSIONS	123 x 81.5 x 41.5 mm
WEIGHT	0.65 kg
POWER SUPPLY	12 - 24 Vac/dc
CONTACT RATING	2 x 3A @ 12 Vdc
CONSUMPTION	50mA (max)

U4GO CREDENTIAL OPTIONS

ATU48

U4GO car sticker credentials, 865 MHz (pack of 10)

ATU48P

U4GO tamper proof car sticker credentials, 865 MHz (pack of 10)

CHU4GO

U4GO card holder (pack of 10)

CTU48

U4GO UHF card credential (pack of 10)

CTU48EV2

U4GO UHF and DESFire EV2 card credential (pack of 10)

PTU48

U4GO numberplate credential, 865 MHz

Available on request: 125kHz proximity, 13.56MHz MIFARE® Classic, and 125kHz HID compatible credentials.

LISTED PRODUCTS

Reference	Description
A10U48-NR	U4GO long range reader antenna, 10m, 865 MHz (reader antenna and bracket only)
A6U48-NR	U4GO mid range reader antenna, 6m, 865 MHz (reader antenna and bracket only)
ATU48	U4GO car sticker credentials, 865 MHz (pack of 10)
ATU48P	U4GO tamper proof car sticker credentials, 865 MHz (pack of 10)
CHU4GO	U4GO card holder (pack of 10)
CTU48	U4GO UHF card credential (pack of 10)
CTU48EV2	U4GO UHF and DESFire EV2 card credential (pack of 10)
KFMA10U	Wall fixing bracket for A10U48 U4GO reader
KFMA6U	Wall fixing bracket for A6U10 U4GO reader
PTU48	U4GO numberplate credential, 865 MHz
RXU4GO128	U4GO high security receiver, AES 128-bit encryption

AVAILABLE KITS

Reference	Description
A10U48	U4GO long range kit, 10m, 865 MHz (credentials not included)
A6U48	U4GO mid range kit, 6m, 865 MHz (credentials not included)

	ATU48	ATU48P	CHU4GO	CTU48	CTU48EV2	PTU48
MATERIAL	Aluminium, PET		ABS	PVC, PET		ABS, aluminium
MOUNTING	On windshield			n/a		On numberplate
TECHNOLOGY	UHF		n/a	UHF	UHF, DESFire® EV2	UHF
CYCLE TESTING	Over 100,000					
FREQUENCY	865 MHz		n/a	865 MHz		
DIMENSIONS	110 x 40 x 0.3 mm		90 x 60 x 10 mm	85.6 x 54 x 0.8 mm		240 x 24 x 13 mm / 202 x 12.5 x 10 mm (tag only)
WEIGHT	0.1 kg		0.17 kg	0.008 kg		0.02 kg

ELECTRIC STRIKES
Introduction

FAIL SAFE OR FAIL SECURE?

Fail Secure
Power is applied to **unlock** the door

Fail secure locks keep assets **secure**. The default position of a fail secure lock is locked. That's why they are best suited for areas containing valuable assets or sensitive data.

Fail Safe
Power is applied to **lock** the door

Fail safe locks keep people **safe**. When power is lost, fail safe locks are unlocked. So if there was an emergency that caused a power cut, all the doors with fail safe locks would be free to open.

On emergency exits and escape routes, fail safe locks should be used regardless of cost implications.

Qualified installers should select the most appropriate lock type and mechanism for each door based on the best-suited combination of safety and security requirements.

WHAT DOES CONTINUOUS CURRENT MEAN?

Coils inside electric strikes act as relays to trigger the locking and unlocking actions. Larger coils sustain continuous operation longer.

A fail secure lock labelled continuous current (CC) or continuous rated has a coil size comparable to a standard fail safe lock, allowing it to handle current over extended periods without damage. In contrast, a standard fail secure lock would overheat and burn out if power was applied for too long, while a continuous rated lock's larger coil can handle prolonged use.
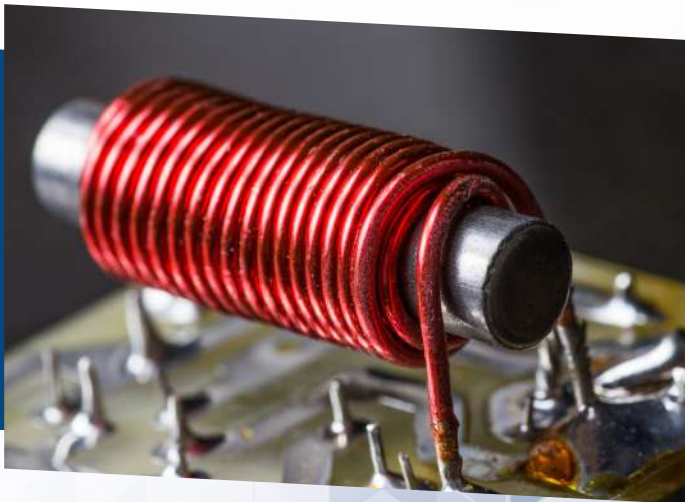
Example: For a small office building, a fail secure lock ensures the front door stays locked during a power outage to maintain security. However, if the door needs to stay unlocked during office hours, a standard fail secure strike's coil could burn out from prolonged use. A continuous current fail secure lock is ideal, allowing unrestricted access during working hours without damaging the coil, while remaining securely locked outside of those times.

ELECTRIC STRIKES

Robust High Quality Strikes

CDVI offers a comprehensive range of electric strikes in both EURO and ANSI formats, catering to various security needs from cost-effective mortice options to medium- and high-security solutions. All CDVI EURO strikes are backed by a robust five-year warranty and feature built-in Metal Oxide Varistors (MOVs), ensuring reliable performance when integrated with access control systems. These versatile locking devices are suitable for a wide array of door materials, including wood, glass, aluminum, UPVC, and steel, as well as fire-rated doors and pedestrian gates, making them ideal for diverse project requirements.

Monitored strikes incorporate a built-in microswitch with NO/NC contacts, providing real-time door status indication for enhanced security. Additionally, the Constant Current (CC) coils option in DC fail secure strikes allows for prolonged operation without coil degradation, ensuring extended durability and reliability. With CDVI's extensive offerings, there is a fitting solution for every access control need.
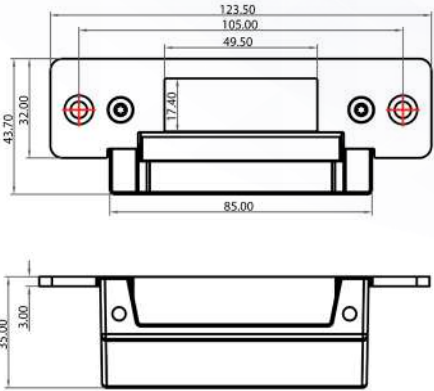
Contents

ANSI Strikes

ARU-M | ANSI-style monitored strike, 12Vdc

10 YEAR WARRANTY

The ARU-M is an ANSI-style monitored electric strike that can be adjusted between fail safe and fail secure as needed. Suitable for wooden or metal doors, this strike is robust, with a stainless steel jaw for added strength. The ARU-M is supplied with both a long and a short faceplate as well as a full fixing kit for metal doors, making it a flexible solution for a huge range of projects.

-15°C to +40°C

Lock mode: Fail safe and fail secure (interchangeable)

Voltage: 12Vdc

Monitoring: Yes

GAE SERIES | Robust strike kits with fixed or adjustable jaws

5 YEAR WARRANTY

GAE, GAEI   GAER, GAEIR

These electric strikes include both a mortice and a rim housing. The G series are available with a fixed or an adjustable jaw as well as fail safe or fail secure versions. The MOV (metal oxide varistor) fitted inside protects your system from electric spikes that cause damage to electronic control devices.

-15°C to +40°C
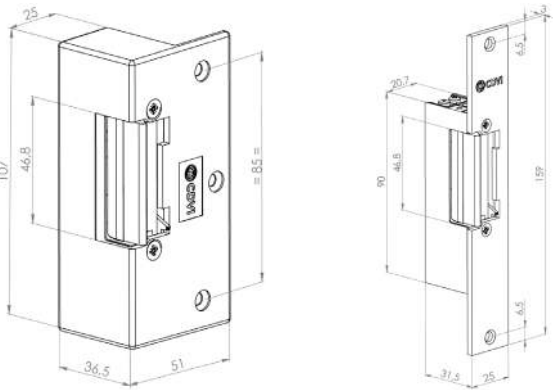
Lock mode: Fail safe or fail secure

Voltage: 12Vdc or 24Vdc, continuous current available

Monitoring: No

ACCESSORIES

ELU25
25mm extension lip for ARU series only

ELU50
50mm extension lip for ARU series only

RELATED PRODUCTS

CDV-96KP
2EASY 2-Wire stainless steel door station with built-in keypad

EM301-LS
Triple-pole resettable emergency door release with light and sounder

ACCESSORIES

C2P
Door transfer hinge with 2 pins

C3P
Door transfer hinge with 3 pins

RELATED PRODUCTS

IEVO-U
ievo ultimate™ fingerprint reader

RTE-DSS
Non-shroud stainless steel green dome exit device

|	ARU-M
MATERIAL	Stainless steel (jaw)
MOUNTING	Mortice
LOCK MODE	Fail safe or fail secure (switchable)
HANDED	Left or right (invertible body)
JAW TYPE	Adjustable jaw (with extension lips)
HOLDING FORCE	750kg
CYCLE TESTING	Tested for 200,000 operations
DIMENSIONS	165 (long faceplate), 124 (short faceplate) x 43 x 38 mm
WEIGHT	0.35 kg
POWER SUPPLY	12 Vdc
CONSUMPTION	250mA

	GAE-12CC	GAE-24CC	GAEI-12	GAEI-24	GAEIR-12	GAEIR-24	GAER-12CC	GAER-24CC
MATERIAL	Powder-coated steel							
MOUNTING	Rim or mortice							
LOCK MODE	Fail secure		Fail safe				Fail secure	
HANDED	Left or right (invertible body)							
JAW TYPE	Fixed				Adjustable			
HOLDING FORCE	300kg				250kg			
CYCLE TESTING	Tested for 300,000 operations							
DIMENSIONS	Rim: 105 x 51 x 36.5 mm / Mortice: 159 x 25 x 31.5 mm							
WEIGHT	0.32 kg						0.31 kg	
POWER SUPPLY	12 Vdc	24 Vdc	12 Vdc	24 Vdc	12 Vdc	24 Vdc	12 Vdc	24 Vdc
CONSUMPTION	200mA	100mA	630mA	315mA	630mA	315mA	200mA	100mA

GPCF | Symmetrical fire rated strikes, continuous current

5 YEAR WARRANTY

FIRE RATED 120 MINUTES

GPCF strikes offer high quality fail safe locking. They are supplied with a faceplate (TG1I). With one metric ton of holding force measured at the jaw, 120 minutes fire resistance under EN1634-1, and half a million duty cycles, these strikes are robust and highly secure. In addition, the MOV (metal oxide varistor) fitted inside protects your system from electric spikes.

🌡 -25°C to +70°C
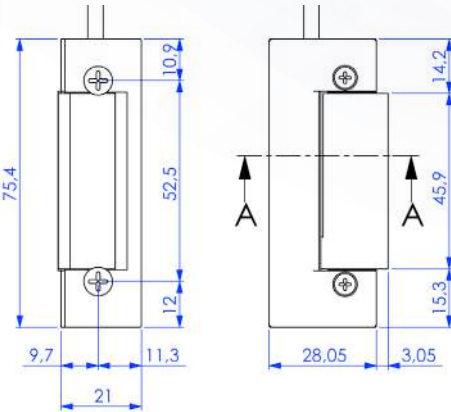
🔒 **Lock mode:** Fail secure

⚡ **Voltage:** 12Vdc or 24Vdc, continuous current

🔧 **Fire rating:** EN1634-1 (120 minutes)

ACCESSORIES

TG1I
Standard stainless steel faceplate

T290
Stainless steel faceplate with deadbolt cut-out

RELATED PRODUCTS

DGA
Surface mount, self-contained rugged keypad

PB1
All-active switch, 1 x microswitch

	GPCF-12CC	GPCF-24CC
MATERIAL	306 stainless steel (faceplate only)	
MOUNTING	Mortice	
LOCK MODE	Fail secure	
HANDED	Left or right (invertible body)	
JAW TYPE	Fixed	
HOLDING FORCE	1,000kg	
CYCLE TESTING	Tested for 500,000 operations	
DIMENSIONS	75.5 x 22 x 28 mm	
WEIGHT	0.23 kg	
POWER SUPPLY	12 Vdc	24 Vdc
CONSUMPTION	380mA	190mA

S SERIES | Symmetrical fail safe or fail secure strikes

5 YEAR WARRANTY

**SIR-12
SIR-24
SR1024**

**SPIR-12
SPR1024**

The S Series monitored strikes have one of the smallest symmetrical bodies available. They're suitable for UPVC doors as well as multipoint locking. Additionally, they come in fail secure or fail safe models and in some cases with continuous current. The adjustable jaw has a 4mm play. The S Series strikes' internal MOV (metal oxide varistor) protects your system from electric spikes.

🌡 -10°C to +40°C
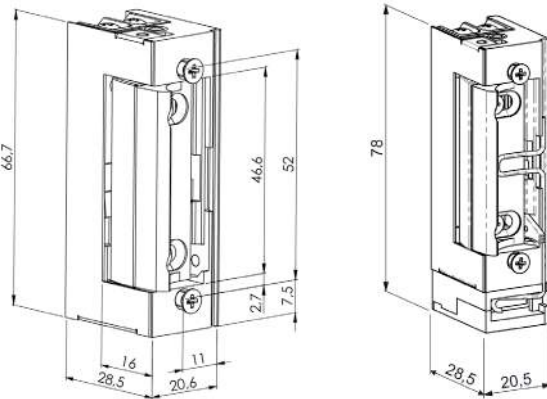
🔒 **Lock mode:** Fail safe or fail secure

⚡ **Voltage:** 10-24Vdc (continuous current), 12Vdc, or 24Vdc

🔧 **Monitoring:** Yes (SPIR-12 and SPR1024 only)

ACCESSORIES

TG1I
Standard stainless steel faceplate

T290
Stainless steel faceplate with deadbolt cut-out

RELATED PRODUCTS

SOLARKPB
Combined proximity reader and keypad, black

PSMB123
Switch mode power supply, 12Vdc / 3A

	SIR-12	SIR-24	SPIR-12	SPR1024	SR1024
MATERIAL	Zamak®				
MOUNTING	Mortice				
LOCK MODE	Fail safe			Fail secure	
HANDED	Left or right (invertible body)				
JAW TYPE	Adjustable				
HOLDING FORCE	325kg				
CYCLE TESTING	Tested for 300,000 operations				
DIMENSIONS	67 x 20.5 x 28 mm		75 x 21 x 28 mm		67 x 22.5 x 28 mm
WEIGHT	0.18 kg		0.175 kg	0.2 kg	0.18 kg
POWER SUPPLY	12 Vdc	24 Vdc	12 Vdc	10 - 24 Vdc	
CONSUMPTION	200mA @ 12Vdc	100mA @ 24Vdc	200mA @ 12Vdc / 100mA @ 24Vdc	540mA @ 12Vac / 630mA @ 12Vdc	300mA @ 12Vdc, 250mA @ 12Vac / 600mA @ 24Vdc, 510mA @ 24Vac

106 | ELECTRIC STRIKES
www.cdvi.co.uk
www.cdvi.co.uk
ELECTRIC STRIKES | 107

SURFACE RIM CASES

T204

Surface RIM case, grey finish

T2080B

Surface RIM case, for outward opening door, brass finish

T2080G

Surface RIM case, for outward opening door, grey finish

	T204	T2080B	T2080G
MATERIAL	Mild steel	Solid brass	Mild steel
DIMENSIONS	135 x 34 x 24 mm	135 x 50 x 34 mm	

REVERSIBLE FACEPLATES

T290

Stainless steel faceplate with deadbolt cut-out

TG1I

Standard stainless steel faceplate

	T290	TG1I
MATERIAL	High grade stainless steel	
DIMENSIONS	250 x 25 x 3 mm	158 x 25 x 3 mm

LISTED PRODUCTS

Reference	Description
ARU-M	ANSI-style strike, 12Vdc, monitored
ELU25	25mm extension lip for ARU series only
ELU50	50mm extension lip for ARU series only
GAE-12CC	Fail secure strike kit, 12Vdc, continuous rated, fixed jaw
GAE-24CC	Fail secure strike kit, 24Vdc, continuous rated, fixed jaw
GAEI-12	Fail safe strike kit, 12Vdc, fixed jaw
GAEI-24	Fail safe strike kit, 24Vdc, fixed jaw
GAEIR-12	Fail safe strike kit, 12Vdc, adjustable jaw
GAEIR-24	Fail safe strike kit, 24Vdc, adjustable jaw
GAER-12CC	Fail secure strike kit, 12Vdc, continuous rated, adjustable jaw
GAER-24CC	Fail secure strike kit, 24Vdc, continuous rated, adjustable jaw
GPCF-12CC	Symmetrical fail secure strike, fire rated, 12Vdc, continuous current
GPCF-24CC	Symmetrical fail secure strike, fire rated, 24Vdc, continuous current
SIR-12	Symmetrical fail safe strike, 12Vdc
SIR-24	Symmetrical fail safe strike kit, 24Vdc
SPIR-12	Symmetrical fail safe strike, monitored, 12Vdc
SPR1024	Symmetrical fail secure monitored strike, 10-24Vdc, continuous current
SR1024	Symmetrical fail secure strike, 10-24Vdc, continuous current
T204	Surface RIM case, grey finish
T2080B	Surface RIM case, for outward opening door, brass finish
T2080G	Surface RIM case, for outward opening door, grey finish
T290	Stainless steel faceplate with deadbolt cut-out
T290SR1024	Symmetrical fail secure strike with faceplate, 10-24Vac, continuous rated
TG1I	Standard stainless steel faceplate

Rim Housing vs Faceplates

When installing strikes, take note of the type of latch used. Is it mortice into the door, or is it surface mounted, like a night latch?

If the latch is mortice, you just need the supplied faceplate. However, if the door has a surface mounted latch, then you'll need a rim housing.

Our G Series strikes include a rim housing in the kit. Our S Series strikes don't, so you will additionally need a T204 rim housing.

Rim Housing - For doors fitted with a surface latch mechanism

Faceplates - For doors with a mortice latch mechanism

TOP TIP!
An S Series strike provides more room for wiring than a G Series when fitted into a rim housing

ELECTRO-MAGNETIC LOCKS

Introduction

300KG OR 500KG MAGLOCKS?

When fitting maglocks, it's essential that you look closely at the environment where they'll be installed. The location plays a large part in the type and strength of maglock that's required.
A common error that we encounter is maglocks of inappropriate strength installed in the wrong places.

Internal doors

For internal doors, the holding force required depends on the use of the door. If the door just needs to be held closed to prevent people freely gaining entry, then a 300kg maglock is plenty. In normal usage, nobody is going to exert 300kg of force on a closed door. Greater holding force isn't necessarily needed just to manage controlled access to a certain room, floor, or area.

Secure internal doors

If the internal door is designed to keep its contents secure, then we recommend 500kg holding force at a minimum. Higher holding force can also be achieved with multiple maglocks on transom housings or magnetic handles, for instance.

External doors

There are two scenarios: If the maglock is just to hold the door closed during active hours, a 300kg maglock suffices, with another locking device needed for overnight security. If the maglock is the sole locking device for security, a minimum 500kg holding force is required.

Note: Maglocks can be used as the primary locking mechanism when the building is unoccupied. However, a mechanical deadlock should also be installed to secure the door.

TIPS AND TRICKS FOR MAGLCOK INSTALLATION

Safety Rope

CDVI malglocks come with safety ropes. These short steel ropes keep the magnet in place and prevent it slipping out of position and falling on someone if it should become damaged, loose through poor installation, or maintenance. This reduces the risk of injury.

Every maglock we supply comes with safety ropes and can be purchased as spares if further are needed.

Safety Ropes
(fixed on maglock and door frame)
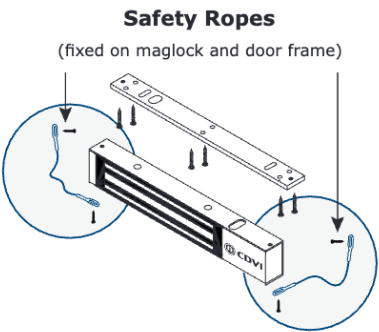
Threadlock

This magic little bottle of glue helps to secure bolts and fixings on the maglock to keep them in their proper place. Over time, with the operation of a maglock, fixings can be gradually loosened due to tiny vibrations. Threadlock helps to prevent this and prolong the operational lifetime of the magnet. It bonds in less than 10 minutes and fills gaps to 0.25mm.
Top tip: use Threadlock!

Be aware though – don't think Studlock will suffice instead if you don't have or can't get Threadlock. If you use Studlock, the screws will NEVER come out.
You have been warned!

Maintenance

For maglocks to keep performing at their best, they need regular basic maintenance.

One of the most basic things you can do to prolong the performance of your maglock is regularly clean and wipe it down. The air is naturally full of lots of tiny particles that make up dust. Some of those particles will be metallic, particularly in an industrial environment. If those metallic particles are settling on the surface of your maglock and not being wiped away regularly, they can affect the performance of the lock.

ELECTRO-MAGNETIC LOCKS

High Quality Magnetic Locking from CDVI

CDVI delivers a comprehensive range of magnetic locking solutions designed to provide secure, efficient, and aesthetic access control. Our low-consumption maglocks are engineered to minimise energy usage, offering a significant reduction in operating costs and environmental impact without compromising holding strength or reliability.

Furthermore, investing in high-quality maglocks, such as the V3SR range, ensures superior durability and dependable performance under heavy usage. The advanced designs incorporate innovative materials and precise engineering, ensuring long-term resilience and minimal maintenance needs. This commitment to excellence guarantees safety, energy savings, and cost-efficiency while reducing carbon footprints.

CDVI combines powerful magnetic locks and cutting-edge technology with sustainability to deliver value-driven solutions for diverse applications.

Contents

SMALL SURFACE MAGLOCKS

These smaller maglocks offer a robust and reliable locking solution to keep assets secure. They are ideal for installations that require lower holding force, such as cabinet doors or hold-open scenarios for gates and barriers. Both feature live status monitoring. They are rectangular or circular shaped, internally or externally rated.

IP IP65   **IK** IK10   **t** -40°C to +60°C
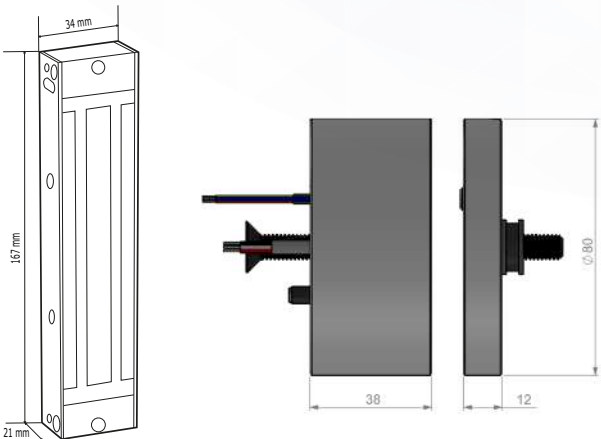
V1SR   **V250-D80R**

Holding force: 100kg or 250kg

Installation: Suited for internal cabinet doors (V1SR) or external barriers (V250-D80R)

Environment: Ideal for internal use (V1SR) or external use (V250-D80R)

## V SERIES | 300-400kg surface monitored fire-rated maglocks

Equipped with patented technology, the V Series are high quality electro-magnetic locks. With 300-500kg of holding force, live status monitoring, and LED indication, these locks are ideal for high security installations. In addition, their low energy consumption (42% lower than the previous model) makes them a greener and more sustainable choice.

We are... GOING GREEN

FIRE RATED 30 MINUTES

IP IP42   **IK** IK10   **t** -20°C to +60°C

V3SR   **V4SR**   **V5SR**
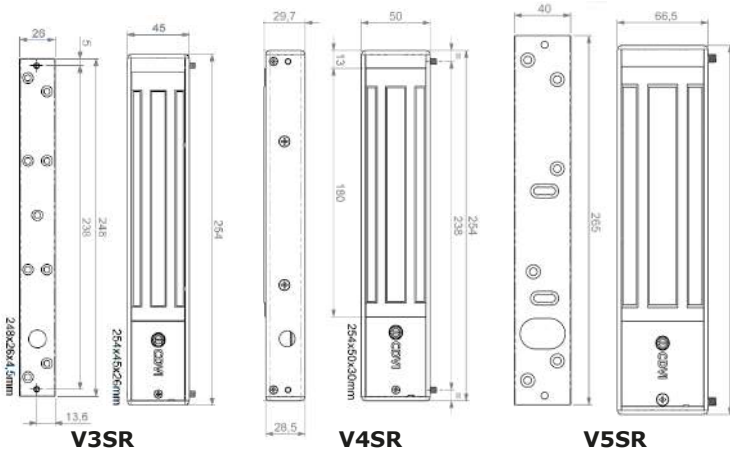
Holding force: 300kg, 400kg, or 500kg

Installation: Ideal for internal use on single doors

Fire rating: EN1634-1 & 2 for 30 min

V3SR   **V4SR**   **V5SR**

ACCESSORIES

LZ180
Z&L-bracket for 180kg magnetic locks

ADC335
12Vdc 3.5A switch mode power supply

RELATED PRODUCTS

NANOPB
Mini proximity reader, black

DGA
Surface mount, self-contained rugged keypad

ACCESSORIES

300-ZL
Z&L-bracket for 300kg and 400kg magnetic locks

AMA3
Surface armature housing for 300kg magnetic locks

RELATED PRODUCTS

V3SRB
Surface 300kg magnetic lock, monitored with buzzer

V5SRB
Surface 500kg magnetic lock, monitored with buzzer

	V1SR	**V250-D80R**
MATERIAL	Aluminium and steel	High grade stainless steel
MOUNTING	Surface	
LOCK MODE	Fail safe	
HOLDING FORCE	180kg	250kg
CYCLE TESTING	n/a	
DIMENSIONS	166 x 34.5 x 21 mm	Ø 80 x 38 mm
ARMATURE PLATE DIMENSIONS	130 x 32 x 9 mm	Ø 80 x 12 mm
WEIGHT	0.58 kg	1.15 kg
POWER SUPPLY	12 - 24 Vdc	
CONSUMPTION	450mA	440mA

	V3SR	**V4SR**	**V5SR**
MATERIAL	Aluminium and steel		
MOUNTING	Surface		
LOCK MODE	Fail safe		
HOLDING FORCE	300kg	400kg	500kg
CYCLE TESTING	5,000,000		
DIMENSIONS	254 x 45 x 28 mm	254 x 50 x 30 mm	266 x 66 x 40 mm
ARMATURE PLATE DIMENSIONS	185 x 38 x 11mm	185 x 45 x 12 mm	185 x 60 x 12 mm
WEIGHT	1.088 kg	1.45 kg	2.86 kg
POWER SUPPLY	12 - 24 Vdc		
CONSUMPTION	290mA	500mA	480mA

**300KG & 400KG MORTICE MONITORED MAGLOCKS**

These mortice mount maglocks are usually installed within a transom to provide electro-magnetic locking for swing doors. With 300kg or 400kg holding force and lock status monitoring, they are robust and user-friendly. To make installation easier in a wider range of environments, you can choose between 12Vdc or 24Vdc. They come with armature plate, fixing kit, and fitting instructions.
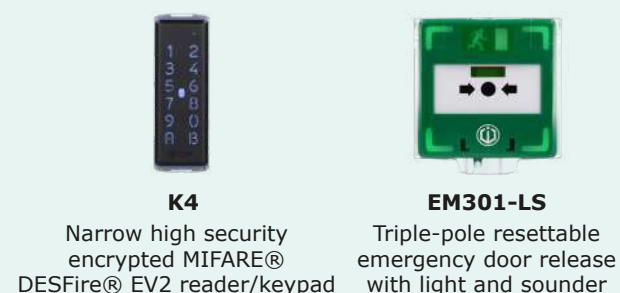
IP54   IK10   -40°C to +70°C
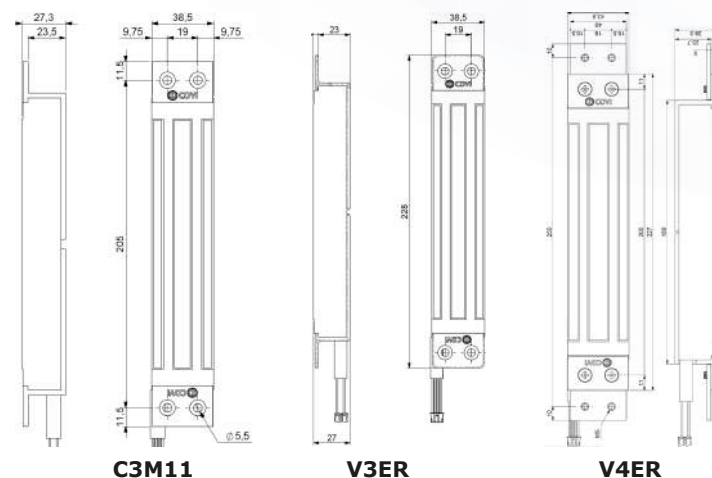
C3M11   **V3ER**   **V4ER**

Holding force: 300kg or 400kg

Installation: For use on single doors

Environment: Ideal for internal use

C3M11   **V3ER**   **V4ER**

C SERIES | Entry level surface 300kg & 500kg maglocks
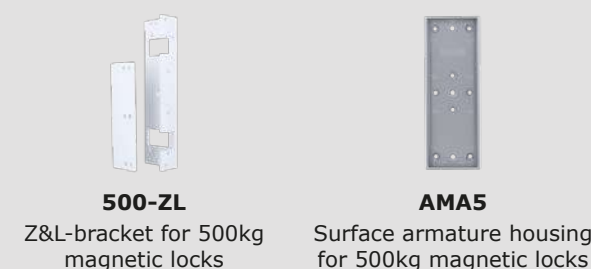
High performance magnetic locking at a cost-effective price. The C Series are surface maglocks providing up to 500kg of holding force. They come with armature plate, fixing kit, and full fitting instructions. Fully compatible with CDVI brackets, housings, and accessories, the C Series are a flexible and robust locking solution for a wide range of projects.

IP42   IK10   -20°C to +60°C

C3S11   **C5S11**

FIRE RATED 30 MINUTES
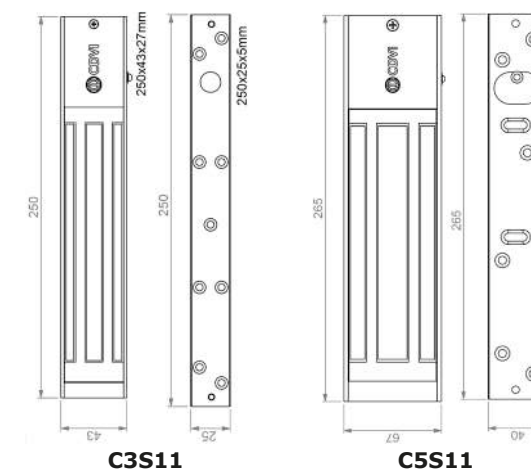
Holding force: 300kg or 500kg

Installation: Ideal for internal use on single doors

Fire rating: EN1634-1 & 2 for 30 min

C3S11   **C5S11**

ACCESSORIES

300-AMB
Armature bracket for sliding doors for 300kg magnets

300-ARM
Replacement armature for 300kg magnets

RELATED PRODUCTS

K4
Narrow high security encrypted MIFARE® DESFire® EV2 reader/keypad

EM301-LS
Triple-pole resettable emergency door release with light and sounder

ACCESSORIES

500-ZL
Z&L-bracket for 500kg magnetic locks

AMA5
Surface armature housing for 500kg magnetic locks

RELATED PRODUCTS

GALEOBT
Backlit keypad with remote electronics and smartphone connection

PSMB123
Switch mode power supply, 12Vdc / 3A

	C3M11	V3ER	V4ER
MATERIAL	Aluminium and steel	Zamak® and steel	Aluminium frame
MOUNTING	Mortice		
LOCK MODE	Fail safe		
HOLDING FORCE	300kg		400kg
DIMENSIONS	228 x 38.5 x 27.3 mm	228 x 38.5 x 27 mm	228 x 44 x 30 mm
ARMATURE PLATE DIMENSIONS	185 x 38 x 11 mm		185 x 45 x 11 mm
WEIGHT	1.75 kg	1.1 kg	1.29 kg
POWER SUPPLY	12 - 24 Vdc		
CONSUMPTION	285mA @ 12Vdc / 145mA @ 24Vdc		500mA

	C3S11	C5S11
MATERIAL	Aluminium and steel	
MOUNTING	Surface	
LOCK MODE	Fail safe	
HOLDING FORCE	300kg	500kg
DIMENSIONS	250 x 43 x 27 mm	265 x 67 x 40 mm
ARMATURE PLATE DIMENSIONS	185 x 38 x 11 mm	185 x 60 x 12 mm
WEIGHT	1.8 kg	4.2 kg
POWER SUPPLY	12 - 24 Vdc	
CONSUMPTION	290mA @12 Vdc / 145mA @ 24Vdc	

Internal Maglocks

C SERIES | Entry level double 300kg & 500kg maglocks

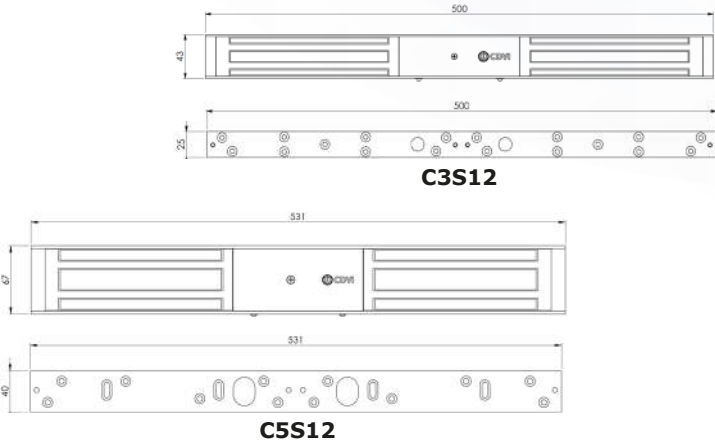**SD SERIES** | Double 300kg & 500kg monitored maglocks

C3S12

C5S12

High performance magnetic locking at a cost-effective price. The C Series are double surface maglocks providing up to 1,000kg total holding force. They come with armature plates, fixing kit, and full fitting instructions. Fully compatible with CDVI brackets, housings, and accessories, the C Series are a flexible and robust locking solution for a wide range of projects.

IP42   IK10   -20°C to +60°C

SD300M

SD500M

These double surface maglocks offer holding force of up to 1000kg total, as well as live status monitoring. They are ideal for installing on double doors. In addition, the risk of door flexing is significantly reduced, as the holding force is spread over a greater area. The SD Series are supplied with security catch ropes, which prevent the magnets from falling during installation.

IP42   IK10   -20°C to +60°C
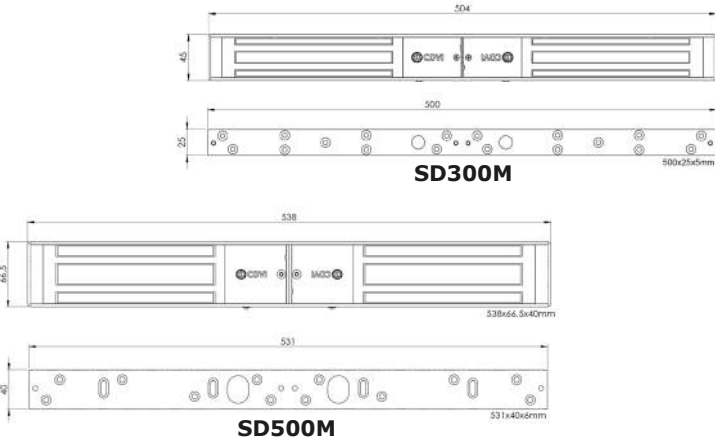
Holding force: 2x300kg or 2x500kg

Installation: For use on double doors

Environment: Ideal for internal use

C3S12

C5S12

Holding force: 2x300kg or 2x500kg

Installation: For use on double doors

Environment: Ideal for internal use

SD300M

SD500M

ACCESSORIES

LD3
L-bracket for double surface mount 300kg electro-magnetic locks

LD5
L-bracket for double surface mount 500kg electro-magnetic locks

RELATED PRODUCTS

STARPB
Narrow style proximity reader

DWPS102U
DIGIWAY Plus door operator for single swing door with universal arm

ACCESSORIES

LD3
L-bracket for double surface mount 300kg electro-magnetic locks

LD5
L-bracket for double surface mount 500kg electro-magnetic locks

RELATED PRODUCTS

SOLARKPB
Combined proximity reader and keypad, black

DWSR102U
DIGIWAY Spring Return door operator for single swing door with universal arm

	C3S12	C5S12
MATERIAL	Aluminium and steel	
MOUNTING	Surface	
LOCK MODE	Fail safe	
HOLDING FORCE	600kg spread over 2 x 300kg magnets	1000kg spread over 2 x 500kg magnets
DIMENSIONS	502 x 42 x 27 mm	539 x 66 x 41 mm
ARMATURE PLATE DIMENSIONS	185 x 38 x 11 mm	185 x 60 x 12 mm
WEIGHT	3.55 kg	8.4 kg
POWER SUPPLY	12 - 24 Vdc	
CONSUMPTION	590mA @ 12Vdc / 285mA @ 24Vdc	

	SD300M	SD500M
MATERIAL	Aluminium	
MOUNTING	Surface	
LOCK MODE	Fail safe	
HOLDING FORCE	2 x 300kg	2 x 500 kg
DIMENSIONS	504 x 45 x 26 mm	538 x 66.5 x 40 mm
ARMATURE PLATE DIMENSIONS	185 x 38 x 11 mm	185 x 60 x 12 mm
WEIGHT	3.7 kg	5.7 kg
POWER SUPPLY	12 - 24 Vdc	
CONSUMPTION	590mA @ 12Vdc / 285mA @ 24Vdc	

External Maglocks

I SERIES | 180-500kg external surface maglocks

I SERIES | 180-500kg external flush maglocks

I180SR **I400SR** **I500SR**

The I Series are externally rated electro-magnetic locks, cased in high grade stainless steel. They come monitored as standard. This surface mount range offers holding force up to 500kg. To make installation easier, all models are supplied with armature plate and full fixing kit.

IP68   IK10   -40°C to +60°C

These externally rated mortice maglocks are ideal for securing automatic gates in outdoor environments. The range offers holding force up to 500kg, with live status monitoring as standard. To make installation easier, all models are supplied with armature plate and full fixing kit.

IP68   IK10   -40°C to +60°C

I180ER **I300ER** **I500ER**
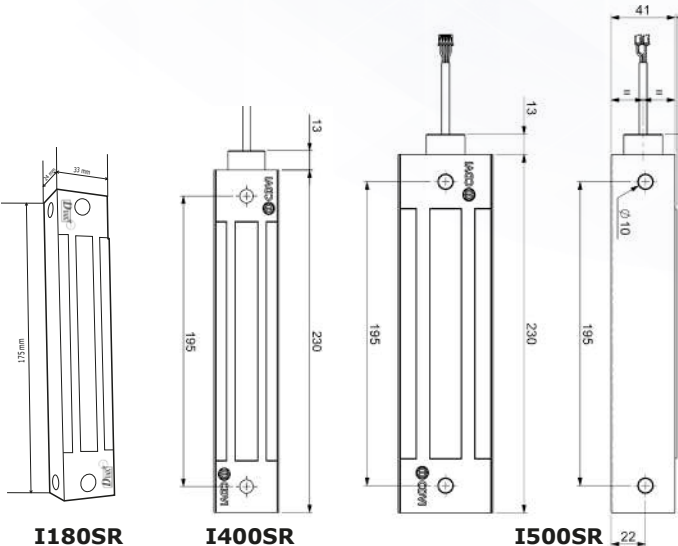
Holding force: 180kg, 400kg or 500kg

Installation: For use on single doors

Environment: Ideal for external use
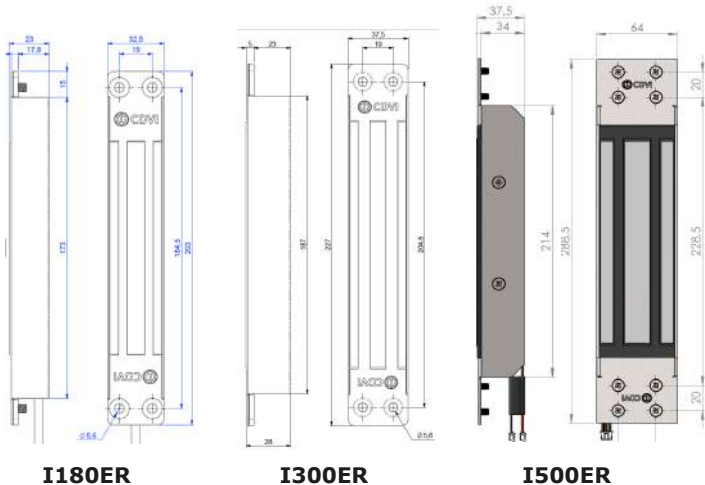
Holding force: 180kg, 300kg or 500kg

Installation: For use on single doors

Environment: Ideal for external use

I180SR **I400SR** **I500SR**

I180ER **I300ER** **I500ER**

ACCESSORIES

ESL-500
L-bracket for I500SR external magnets

ESZ
Z-bracket for 400kg and 500kg external magnets

RELATED PRODUCTS

DGA
Surface mount, self-contained rugged keypad

RTE-DSS
Non-shroud stainless steel green dome exit device

ACCESSORIES

300-AMB
Armature bracket for sliding doors for 300kg magnets

500-ARM
Replacement armature for 500kg magnets

RELATED PRODUCTS

IEVO-U
ievo ultimate™ fingerprint reader

RTE-EX
Robust external request-to-exit button

|	I180SR	I400SR	I500SR
MATERIAL	Stainless steel		
MOUNTING	Surface		
LOCK MODE	Fail safe		
HOLDING FORCE	180kg	400kg	500kg
DIMENSIONS	175 x 32.5 x 22 mm	230 x 43.5 x 29.5 mm	230 x 61 x 40 mm
ARMATURE PLATE DIMENSIONS	130 x 32 x 9 mm	185 x 45 x 12 mm	185 x 60 x 12 mm
WEIGHT	0.78 kg	1.7 kg	3.32 kg
POWER SUPPLY	12 - 24 Vdc		
CONSUMPTION	450mA	480mA	

	I180ER	I300ER	I500ER
MATERIAL	Stainless steel		
MOUNTING	Mortice		
LOCK MODE	Fail safe		
HOLDING FORCE	180kg	300kg	500kg
DIMENSIONS	201 x 32 x 22 mm	228 x 38 x 27 mm	288.5 x 64 x 37.5 mm
ARMATURE PLATE DIMENSIONS	130 x 32 x 9 mm	185 x 38 x 11 mm	185 x 60 x 12 mm
WEIGHT	1.1 kg	1.245 kg	3.85 kg
POWER SUPPLY	12 - 24 Vdc		
CONSUMPTION	450mA		270mA @ 12Vdc / 135mA @ 24Vdc

ELECTRO-MAGNETIC LOCKS
Micro Power Locks
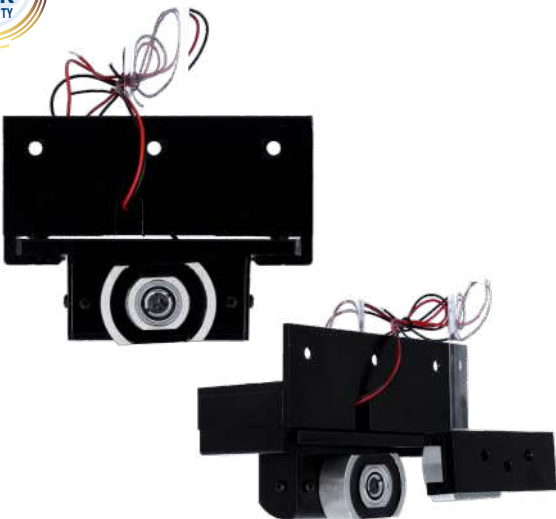
HSM-600SB | Micro power lock for outward-opening doors

HSM-600S | Micro power lock with fixing plate

Micro power locks are ideal for automatic doors, especially where space between operators is too narrow for conventional maglocks, or where the armature intrudes on the safety sensor position. The armature plate is supplemented by a strong alloy pin, creating a mix of mechanical and magnetic holding force. This 680kg model is available in a single or double format.

These high quality micro magnetic locks offer built-in patented technology. Their rounded edges provide a tidy aesthetic finish. They're available in black or silver to suit different environments, and they're supplied assembled and ready to install right out of the box. This range includes a direct mounting plate or a Z-bracket option for inward-opening doors.
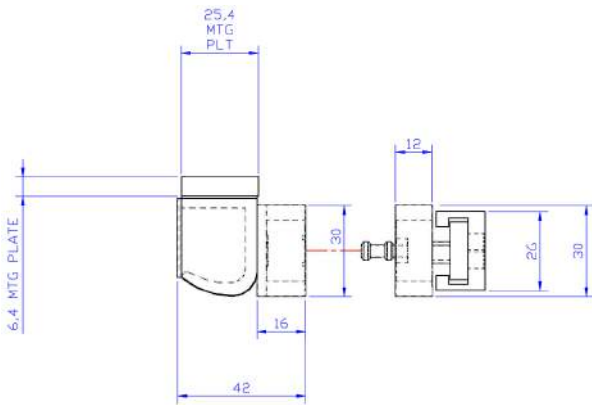
Holding force: 680kg maglock

Installation: Suitable for single or double doors where standard size maglocks don't fit

Environment: Ideal for internal use

Holding force: 680kg maglock

Installation: Suitable for single or double doors where standard size maglocks don't fit

Environment: Ideal for internal use

ACCESSORIES

RTE-AIR
Architrave infrared touchless exit switch

EM301-LS
Triple-pole resettable emergency door release with light and sounder

RELATED PRODUCTS

HSM-600DB
High security micro power lock, double, 2x 680kg

DWSR102U
DIGIWAY Spring Return door operator for single swing door with universal arm

ACCESSORIES

RTE-AS
Stainless steel exit button, architrave, surface mount

EM201
Double-pole resettable emergency door release

RELATED PRODUCTS

HSM-600SZ
High security micro power lock, single, 680kg, for inward-opening door with Z bracket

DWPS102U
DIGIWAY Plus door operator for single swing door with universal arm

|	HSM-600SB
MATERIAL	Aluminium and iron
MOUNTING	Surface
LOCK MODE	Fail safe
HOLDING FORCE	680kg
CYCLE TESTING	1,000,000
DIMENSIONS	116 x 85 x 60 mm
ARMATURE PLATE DIMENSIONS	70 (W) x 26 (H) mm
WEIGHT	0.56 kg
POWER SUPPLY	12 - 24 Vdc
CONSUMPTION	260mA @ 12Vdc, 120mA @ 24Vdc

	HSM-600S
MATERIAL	Aluminium and iron
MOUNTING	Surface
LOCK MODE	Fail safe
HOLDING FORCE	680kg
CYCLE TESTING	1,000,000
DIMENSIONS	70 x 39.4 x 42 mm
ARMATURE PLATE DIMENSIONS	70 (W) x 26 (H) mm
WEIGHT	0.22 kg
POWER SUPPLY	12 - 24 Vdc
CONSUMPTION	260mA @ 12Vdc, 120mA @ 24Vdc

Shearlocks

Door Holders

MORTICE SHEARLOCKS

VIR | Wall-mounted magnetic door holder

CZ3000

SHL1200
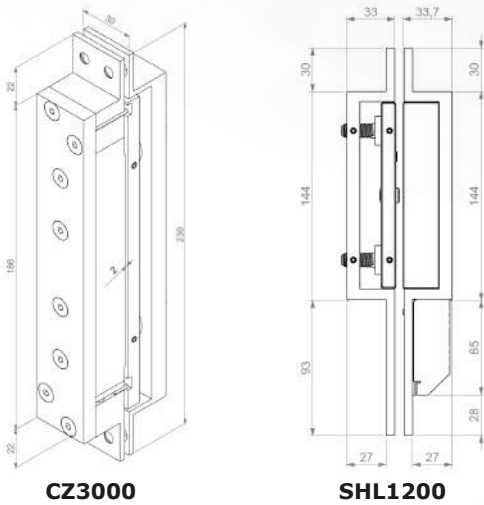
Our shearlocks provide a robust locking solution suitable for aluminium and wooden doors with a narrow transom. They offer holding force of 1,200kg or 1,500kg. The CZ3000 has a patented self-aligning technology, suited for single or double action doors that don't always rest in the same position. Meanwhile, the SHL1200 is ideal for single action doors which always rest in the same position.

Note: Shearlocks are NOT suitable for escape doors.

IP65   IK10   -40°C to +60°C

VIR-A5

FIRE RATED 60 MINUTES

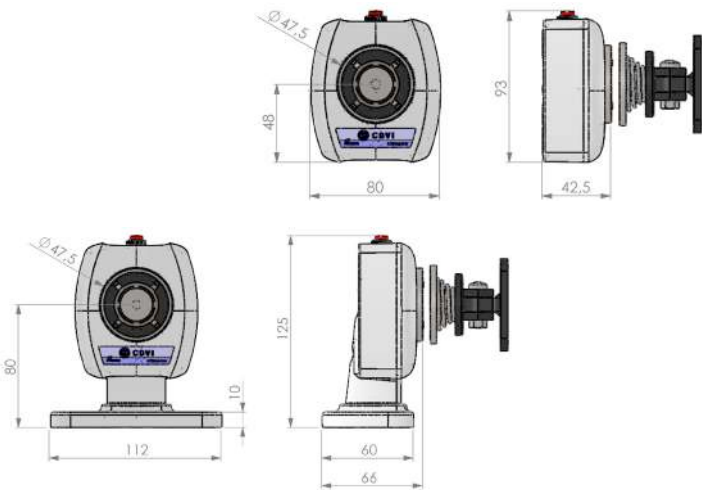**VIR-P5**

These magnetic door holders keep doors in the open position. When connected to a fire alarm system, they immediately release the door to close. They operate at 24Vdc, to match most fire alarm systems. In addition, they have 50kg holding force and are fire rated to 60 minutes under the EN1634-2 regulation. Each unit includes a button to quickly check its emergency fail safe operation.

IP42   IK10

CZ3000

SHL1200

Holding force: 1,200kg or 1,500kg

Installation: Suitable for single or double doors where standard size maglocks don't fit

Environment: Ideal for internal use

Holding force: 50kg

Installation: Ideal for holding open one door leaf at a time for single or double doors

Fire rating: EN1634-2 for 60 min

ACCESSORIES

SHL1200-H
Surface housing for SHL1200

CSL-30H
Stainless steel surface housing for CZ3000

RELATED PRODUCTS

NANOPB
Mini proximity reader, black

DBB-22-04
Combined green dome RTE & resettable emergency release

ACCESSORIES

SUPVRREG
Adjustable wall extension/ floor bracket for VIR series

RELATED PRODUCTS

C3S11
Entry level surface 300kg magnetic lock, monitored

RTE-PTO
Large all-active PUSH TO OPEN exit button, surface mount

	CZ3000	SHL1200
MATERIAL	Powder-coated aluminium and steel	
MOUNTING	Mortice	
LOCK MODE	Fail safe	
HOLDING FORCE	1,500kg	1,200kg
CYCLE TESTING	n/a	
DIMENSIONS	230 x 31.5 x 37 mm	267 x 30 x 32 mm
ARMATURE PLATE DIMENSIONS	230 x 30 x 37 mm	267 x 30 x 35 mm
WEIGHT	1.2 kg	1.35 kg
POWER SUPPLY	12- 24 Vdc	12 - 24 Vdc
CONSUMPTION	450mA @ 12 Vdc / 225mA @ 24 Vdc	1800mA

	VIR-A5	VIR-P5
MATERIAL	Powder-coated Zamak®	
MOUNTING	Surface	
LOCK MODE	Fail safe	
HOLDING FORCE	50kg	
CYCLE TESTING	Tested for 25,000 cycles in both manual and electrical activation	
DIMENSIONS	93 x 80 x 42.5 mm	125 x 112 x 66 mm
ARMATURE PLATE DIMENSIONS	60 x 60 x 66, Ø 51.5 mm	
WEIGHT	0.46 kg	0.66 kg
POWER SUPPLY	24 Vdc	
CONSUMPTION	80mA	

ELECTRO-MAGNETIC LOCKS
Architectural Housings

AH3 | 300kg architectural housings

AH3-1HM
AH3-22HM
AH3-22VM
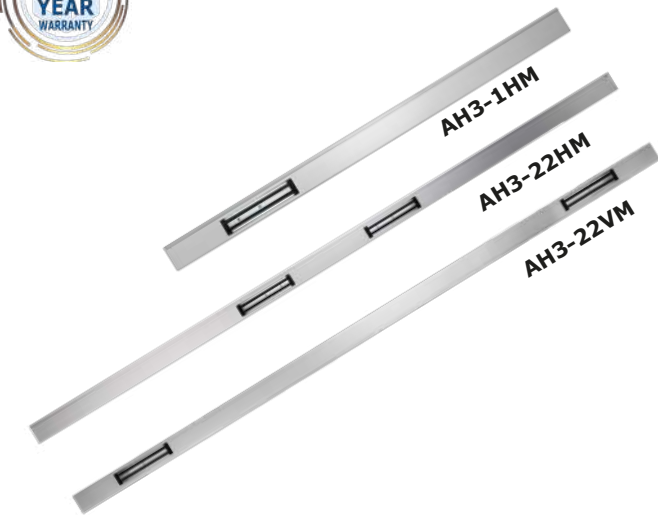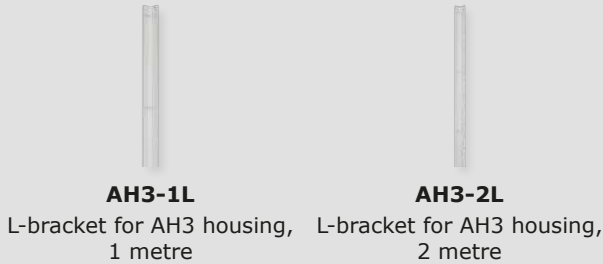
The AH3 transom housings come with 300kg electro-magnetic locks (V3E35R only). Architectural housings offer a neater and more aesthetic finish to maglock installations. The transom fits on the door frame and the maglock is fitted inside the housing. Models vary from 1m to 2m in length with one or two maglock cut-outs, and vertical or horizontal mounting.
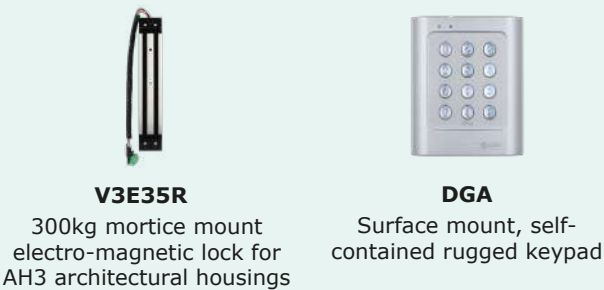
IP54 (maglock)   IK10 (maglock)

-25°C to +70°C
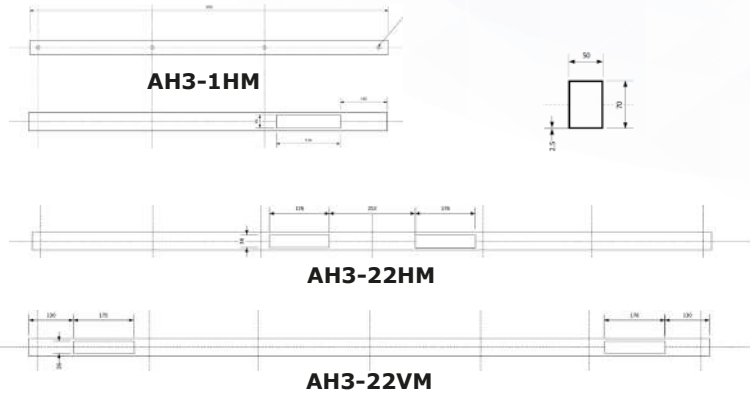
Holding force: 300kg maglock

Installation: Suitable for single or double doors

Environment: Ideal for internal use

AH3-1HM

AH3-22HM

AH3-22VM

ACCESSORIES

AH3-1L
L-bracket for AH3 housing, 1 metre

AH3-2L
L-bracket for AH3 housing, 2 metre

RELATED PRODUCTS

V3E35R
300kg mortice mount electro-magnetic lock for AH3 architectural housings

DGA
Surface mount, self-contained rugged keypad

|	AH3-1HM	AH3-22HM	AH3-22VM
MATERIAL	Satin anodised aluminium		
MOUNTING	Surface, horizontal transom mount		Surface, vertical transom mount
LOCK MODE	Fail safe		
HOLDING FORCE	1x 300kg	2x 300kg	
DIMENSIONS	990 x 50.8 x 38.1 mm	1,990 x 50.8 x 38.1 mm	
ARMATURE PLATE DIMENSIONS	185 x 38 x 11 mm		
WEIGHT	2 kg	3.9 kg	
POWER SUPPLY	12 - 24 Vdc		
CONSUMPTION	480mA @ 12Vdc / 240mA @ 24Vdc	480mA @ 12Vdc / 240mA @ 24Vdc (per maglock)	

ELECTRO-MAGNETIC LOCKS
Architectural Housings

AH5 | 500kg architectural housings
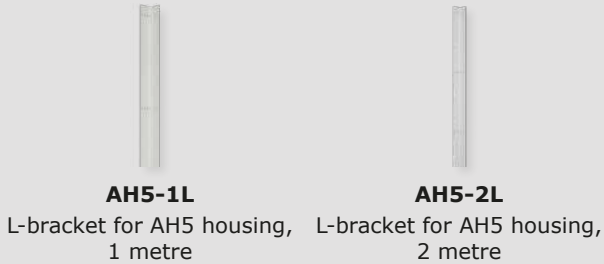

AH5-1HM
AH5-22HM
AH5-22VM
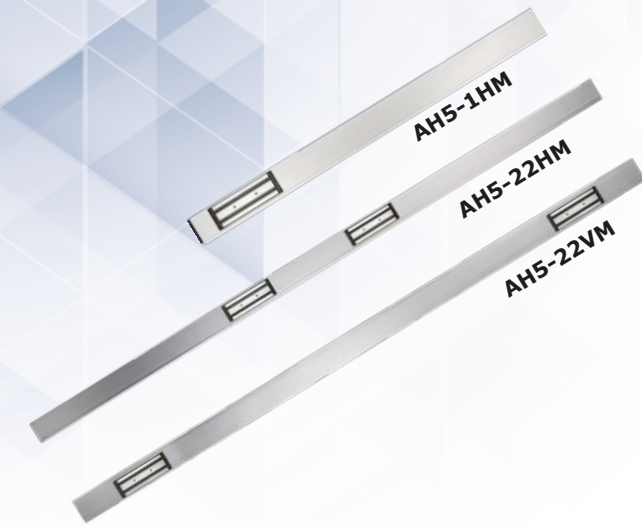
The AH5 transom housings come with 500kg electro-magnetic locks (V5NU only). Architectural housings offer a neater and more aesthetic finish to maglock installations. The transom fits on the door frame and the maglock is fitted inside the housing. Models vary from 1m to 2m in length with one or two maglock cut-outs, and vertical or horizontal mounting.
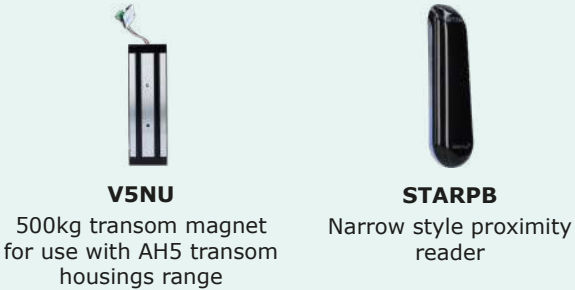
IP54 (maglock)   IK10 (maglock)

-25°C to +70°C
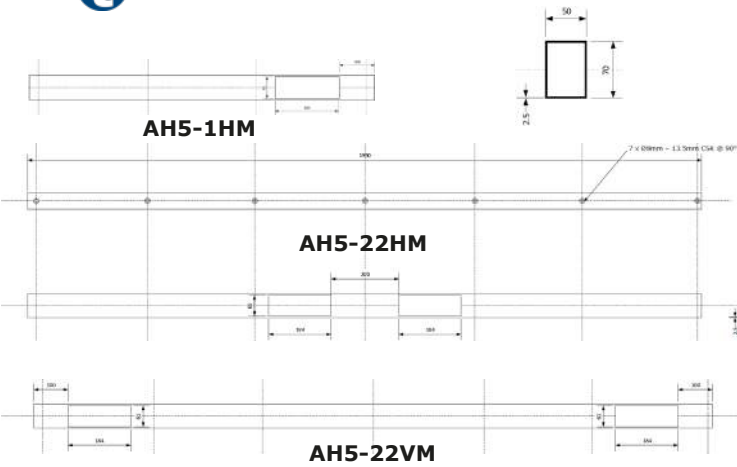
Holding force: 500kg maglock

Installation: Suitable for single or double doors

Environment: Ideal for internal use

AH5-1HM

AH5-22HM

AH5-22VM

ACCESSORIES

AH5-1L
L-bracket for AH5 housing, 1 metre

AH5-2L
L-bracket for AH5 housing, 2 metre

RELATED PRODUCTS

V5NU
500kg transom magnet for use with AH5 transom housings range

STARPB
Narrow style proximity reader

	AH5-1HM	AH5-22HM	AH5-22VM
MATERIAL	Satin anodised aluminium		
MOUNTING	Surface, horizontal transom mount		Surface, vertical transom mount
LOCK MODE	Fail safe		
HOLDING FORCE	1x 500kg	2x 500kg	
DIMENSIONS	990 x 70 x 50 mm	1,990 x 70 x 50 mm	
ARMATURE PLATE DIMENSIONS	185 x 60 x 12 mm		
WEIGHT	2.45 kg	4.8 kg	
POWER SUPPLY	12 - 24 Vdc		
CONSUMPTION	500mA @ 12Vdc / 250mA @ 24Vdc	500mA @ 12Vdc / 250mA @ 24Vdc (per maglock)	

2 YEAR WARRANTY

10 YEAR WARRANTY

L&Z BRACKETS

LZ180, 300-ZL, 500-ZL	LD3, LD5	300L-ADJ, 500L-ADJ	ESL-400, ESL-500, ESZ	300-ZLAC, 500-ZLAC

	Environment	Maglock holding force compatibility	Maglock mounting	Material	Available in Z&L kit
LZ180	Internal	180 kg	Surface	Satin anodised aluminium	YES
300-500Z	Internal	300-500 kg	Surface	Satin anodised aluminium	YES
300-L	Internal	300 kg	Surface	Satin anodised aluminium	YES
300L-ADJ	Internal	300 kg	Surface	Aluminium	YES
300-ZLAC	Internal	300 kg	Surface	Aluminium	YES
500-L	Internal	500 kg	Surface	Satin anodised aluminium	YES
500L-ADJ	Internal	500 kg	Surface	Aluminium	YES
500-ZLAC	Internal	500 kg	Surface	Aluminium	YES
ESL-400	External	300-400 kg	Surface	Powder coated steel	NO
ESL-500	External	500 kg	Surface	Powder coated steel	NO
ESZ	External	300-500 kg	Surface	Powder coated steel	NO
LD3	Internal	2 x 300 kg	Surface	Satin anodised aluminium	NO
LD5	Internal	2 x 500 kg	Surface	Satin anodised aluminium	NO

ARMATURE BRACKETS

We are GOING GREEN

AMA3, AMA5	300-ASE, 500-ASE	300-AMB	UBK-P	UBK-U

	Environment	Maglock holding force	Maglock mounting	Material	Available in a kit
300-AMB	Internal	300 kg	Flush	Billet aluminium	NO
300-ASE	Internal	300 kg	Surface	Brushed aluminium	NO
500-AF	Internal	500 kg	Flush	Stainless steel	NO
500-ASE	Internal	500 kg	Surface	Brushed aluminium	NO
AMA3	Internal	300 kg	Surface	Cast aluminium	NO
AMA5	Internal	500 kg	Surface	Cast aluminium	NO
UBKU	Internal	300 kg - 500 kg	Surface	Billet aluminium	NO
UBKP	Internal	300 kg - 500 kg	Surface	Billet aluminium	NO

DPM | Door status monitoring for surface maglocks
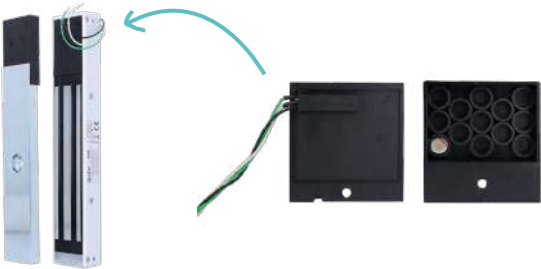
- Accurately monitors the door position
- Retrofits to surface magnetic locks
- Fits the V3SR, V4SR, V5SR maglocks *(see page 113)*
- Saves time & expense of fitting door contacts
- 1x NO/NC changeover contact

LISTED PRODUCTS

Reference	Description
300-500-KVU	Universal fixing kit for 300kg to 500kg magnets
300-500Z	Z-bracket for 300kg, 400kg and 500kg electro-magnetic locks
300-AMB	Armature bracket for sliding doors for 300kg magnets
300-ARM	Replacement armature for 300kg magnets
300-ASE	Economy surface armature for 300kg magnets
300-L	Adjustable L-bracket for 300kg and 400kg magnetic locks
300-ZL	Z&L-bracket for 300kg and 400kg magnetic locks
300-ZLAC	Architectural Z&L-bracket for 300kg and 400kg magnetic locks
300L-ADJ	Fully adjustable L-bracket for 300kg and 400kg magnetic locks
300L-GLSCOV	Cover plate for glass doors for 300kg magnets
400-ARM	Replacement armature for 400kg magnets
500-ARM	Replacement armature for 500kg magnets
500-AS-GLSCOV	Cover plate for glass doors for 500kg magnets
500-ASE	Economy surface armature housing for 500kg magnets
500-L	Adjustable L-bracket for 500kg magnetic locks
500-ZL	Z&L-bracket for 500kg magnetic locks
500-ZLAC	Architectural Z&L-bracket for 500kg magnetic locks
500L-ADJ	Fully adjustable L-bracket for 500kg magnetic locks
ADH-EPOXY	Glass/metal bonding kit for UBK brackets
AH3-1HM	1-metre architectural housing for single door, 1 x 300kg maglock, horizontal installation
AH3-1L	L-bracket for AH3 housing, 1 metre
AH3-22HM	2-metre architectural housing for double doors, 2 x 300kg maglocks, horizontal installation
AH3-22VM	2-metre architectural housing for single door, 2 x 300kg maglocks, vertical installation
AH3-2L	L-bracket for AH3 housing, 2 metre
AH5-1HM	1-metre architectural housing for single door, 1 x 500kg maglock, horizontal installation
AH5-1L	L-bracket for AH5 housing, 1 metre
AH5-22HM	2-metre architectural housing for double doors, 2 x 500kg maglocks, horizontal installation
AH5-22VM	2-metre architectural housing for single door, 2 x 500kg maglocks, vertical installation
AH5-2L	L-bracket for AH5 housing, 2 metre
AMA3	Surface armature housing for 300kg magnetic locks
AMA5	Surface armature housing for 500kg magnetic locks
C3M11	Entry level mortice 300kg magnetic lock
C3S11	Entry level surface 300kg magnetic lock, monitored
C3S12	Entry level double surface 300kg magnetic lock, monitored
C5S11	Entry level surface 500kg magnetic lock, monitored
C5S12	Entry level double surface 500kg magnetic lock, monitored
CSL-30H	Stainless steel surface housing for CZ3000
CZ3000	Flush mount 1500kg self-aligning shearlock
DPM-300	Door position monitor for 300kg surface magnetic locks
DPM-500	Door position monitor for 500kg surface magnetic locks

Reference	Description
ESL-400	L-bracket for I400SR external magnets
ESL-500	L-bracket for I500SR external magnets
ESZ	Z-bracket for 400kg and 500kg external magnets
HSM-600DB	High security micro power lock, double, 2x 680kg
HSM-600S	High security micro power lock, single, 680kg, direct fix with fixing plate
HSM-600SB	High security micro power lock, single, 680kg, for outward-opening door
HSM-600SZ	High security micro power lock, single, 680kg, for inward-opening door with Z bracket
I180ER	180kg external mortice monitored magnetic lock
I180SR	180kg external surface monitored magnetic lock
I300ER	300kg external mortice monitored magnetic lock
I400SR	400kg external surface monitored magnetic lock
I500ER	500kg external mortice monitored magnetic lock
I500SR	500kg external surface monitored magnetic lock
LD3	L-bracket for double surface mount 300kg electro-magnetic locks
LD5	L-bracket for double surface mount 500kg electro-magnetic locks
LZ180	Z&L-bracket for 180kg magnetic locks
MAGSECR	Safety ropes for surface electro-magnetic locks
S300M-DS	300kg monitored surface mount magnet with door position monitoring
SD300M	Double 300kg magnetic lock, monitored
SD300M-2	300kg monitored surface mount magnet with 2x VHLR
SD300M-DS	300kg monitored surface mount magnet with universal relay
SD500M	Double 500kg magnetic lock, monitored
SHL1200	Traditional 1200kg shearlock
SHL1200-H	Surface housing for SHL1200
SUPVRREG	Adjustable wall extension/floor bracket for VIR series
THREADLOCK	Thread lock for securing electro-magnetic lock fixings
UBK-P	U-bracket for magnetic and electric locking
UBK-U	U-bracket for electro-magnet armature plates
V1SR	Surface 180kg magnetic lock, monitored
V250-D80R	Surface 250kg round magnetic lock
V3E35R	300kg mortice mount electro-magnetic lock for AH3 architectural housings
V3ER	Mortice 300kg magnetic lock, monitored
V3SR	Surface 300kg magnetic lock, monitored, fire rated
V3SRB	Surface 300kg magnetic lock, monitored with buzzer
V4ER	Mortice 400kg magnetic lock, monitored
V4SR	Surface 400kg magnetic lock, monitored
V5NU	500kg transom magnet for use with AH5 transom housings range
V5SR	Surface 500kg magnetic lock, monitored, fire rated
V5SRB	Surface 500kg magnetic lock, monitored with buzzer
VIR-A5	Wall-mounted magnetic door holder
VIR-P5	Floor-mounted magnetic door holder

WE ARE GOING GREEN

What's more important than the sustainability of our collective home?

At CDVI, we're dedicated to making real change. We're changing the way we do things in order to reduce our impact on the environment and foster a sustainable business plan for the future.

#cdvigoesgreen

We are... **GOING GREEN**

Reducing Our **Carbon** Footprint

We're committed to doing better in every part of our business.

This means creating better products, using better packaging, and embracing better practices to reduce our carbon footprint as much as possible.

Changes we've made to our products

Low Energy Maglocks

We've reduced power consumption in all our internal maglocks as part of our effort to go green. The newer versions are more efficient, more sustainable, and cheaper to run.

For example, with our V3SR maglock, the previous version was rated at 500mA, while the new one uses just 290mA.

The reduction means that less electrical energy is needed to keep the maglock securely locked. Using less electricity means end users spend less on energy bills — **about 42% less!**

Magnetic Pull Handles

We're making every effort to reduce our environmental impact, starting with the raw materials used to create the handle housings and ending with how we package them for customer delivery.

We decided to use a new type of aluminium for our handles. The supplier we chose produces a specific type of aluminium that is made with renewable energy from hydroelectric, solar, and wind power sources. It is intended to be a low-carbon aluminium.
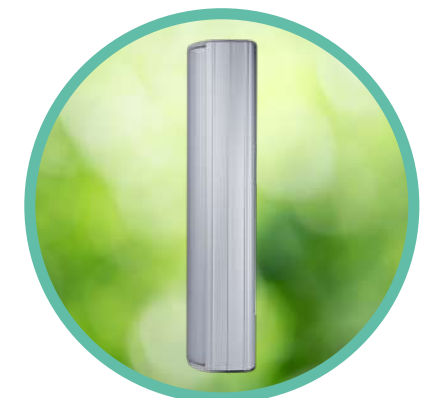
MAGNETIC HANDLES

Introduction

10 YEAR WARRANTY

Magnetic architectural handles consist of electro-magnetic locks mounted into special housings. The magnets fit to the transom or door frame, while the armature plate is part of the handle housing that fits to the door leaf.

The user opens the unlocked door by holding onto the armature housing on the door leaf and pulling the door away from the deactivated magnets.

By the nature of electro-magnetic locks, architectural handles are fail safe solutions.

When power is applied, a strong magnetic field is created between the magnets and the armature plate, holding the door closed. When power is removed, the magnet releases and the door can be freely opened.

HOW IT WORKS

Magnets

Armature Housing
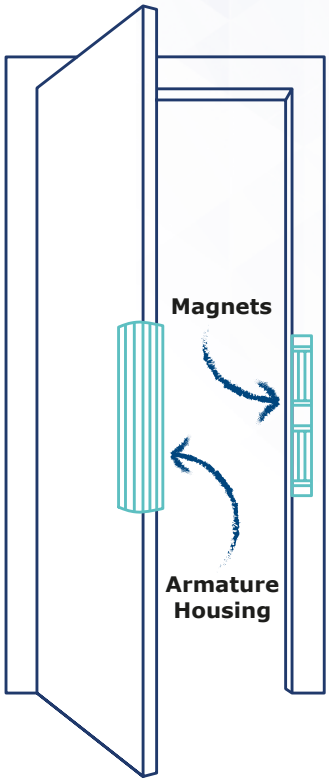
Durable solutions

Combining strong magnetic locking with robust Satin Anodised Aluminium housings makes handles ideal for high traffic sites.

Low carbon footprint aluminium

Low power consumption

Packaging savings

...and much more!

We are...
GOING GREEN

CHOOSING THE RIGHT MAGNETIC HANDLE

Which handle?

First, choose whether a shorter handle or a full-height handle is best for your project. Full-height handles cover the whole edge of the door leaf. These handles deliver the highest holding force, as up to three 400kg magnets can be fitted into them. Additionally, as the holding force is spread evenly along the door's height, the risk of the door bending or breaking by force is significantly reduced.
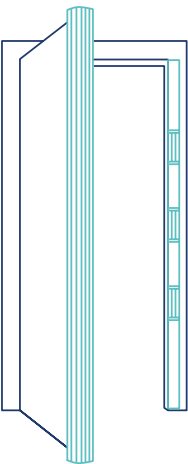
Which features?

Next, decide if your project requires LED status indication on the handle. The EVO range includes a blue/green LED at the top of the magnet housing section, turning green when the door is unlocked and can be safely opened.
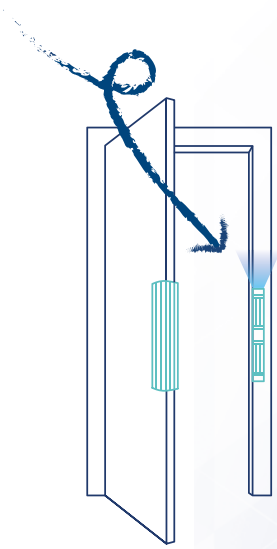
Which colour?

The housings on magnetic architectural handles can be powder-coated in any RAL colour. In some cases, this is to give a sleek and attractive finish where the housing blends in seamlessly with the surrounding door frame. In other cases, a contrasting colour is chosen deliberately in order to make the housing stand out, for safety or aesthetic purposes.

MAGNETIC HANDLES

10 YEAR WARRANTY

Robust Magnetic Locking Solution With Architectural Handles

CDVI offers an impressive and versatile range of magnetic architectural handles, designed to combine sleek aesthetics with exceptional functionality. These handles are a modern locking solution that ensures both style and security, with holding forces ranging from 300kg to a robust 1200kg, making them suitable for a wide variety of applications. The collection includes shorter models ideal for smaller spaces and full-height options that make a bold statement while maintaining maximum utility. These handles can be easily fitted to new builds or retrofitted onto existing doors.

These handles are adaptable for indoor and outdoor use, fitting a variety of settings. For an added layer of customisation, the handles can be powder-coated in a specific RAL color, enabling them to harmonise with or provide a striking contrast to the surrounding door frames. This ensures the handles are both functional and visually appealing. Furthermore, the EVO range stands out with its innovative visual LED feedback feature that provides real-time status updates for door activity. This feature is practical and stylish, meeting the demands of modern architecture with durability, customisation, and ease of integration.

Contents

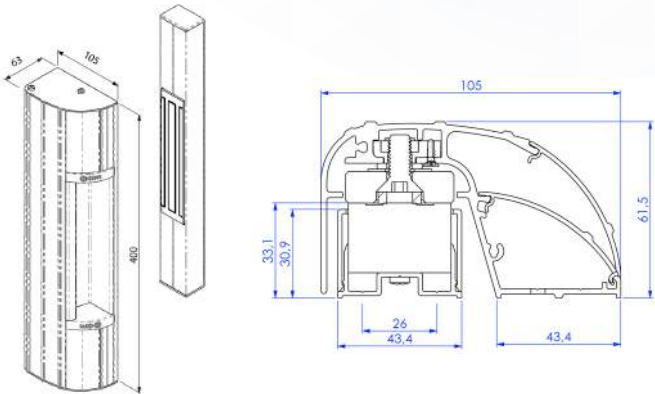## Short Handles

P300 | 300kg architectural handles

P600 | 2 x 300kg architectural handles

These shorter handles provide 300kg holding force via one monitored maglock. Install them indoors or outdoors for reliable, user-friendly electronic locking in high traffic zones. Additionally, the P300EVO indicates the status of the door (open or closed) with LEDs. The P300RP is fire rated under EN1634-1 & 2 for 30 minutes. Optional spacers and cable trays help to achieve a better aesthetic finish.
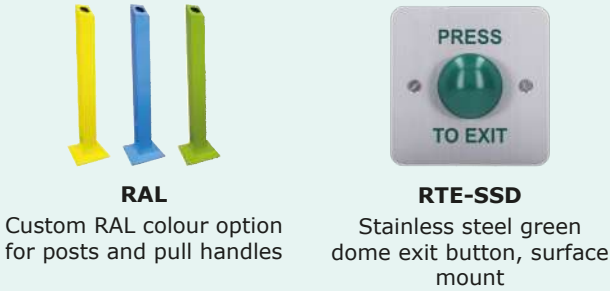
IP66   IK10   -20°C to +60°C

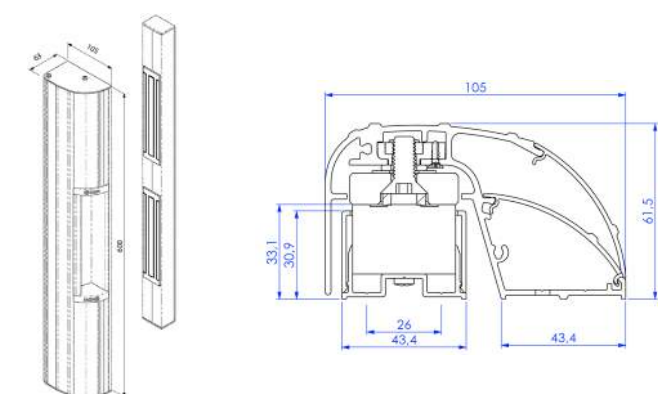IP42 (P300EVO)

These handles provide up to a total of 600kg of holding force across 2x 300kg maglocks. Manufactured from low-carbon aluminium, they are a more sustainable and durable choice for magnetic locking. In addition, the P600EVO indicates the open or closed status of the door with an LED at the top of the handle. For a tidier and more discreet finish, opt for spacers and cable trays.
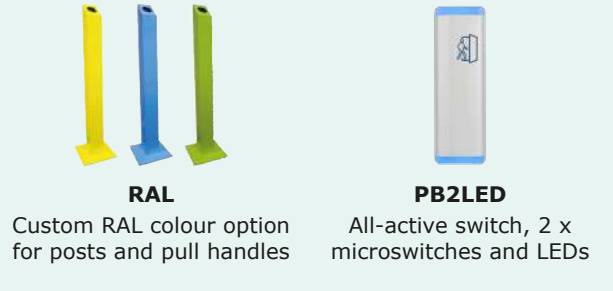
IP66   IK10   -20°C to +60°C

IP42 (P600EVO)

P300EVO   **P300RP**

P600EVO   **P600RP**

Holding force: 300kg

Installation: Fits new or retrofit installations

Door status indication: Audible and visual feedback with bi-coloured LEDs

Holding force: 2x300kg maglocks

Installation: Fits new or retrofit installations

Door status indication: Audible and visual feedback with bi-coloured LEDs

ACCESSORIES

REO
2,500mm aluminium spacer for 300kg magnetic pull handles

ALMA
Cable trunking

RELATED PRODUCTS

RAL
Custom RAL colour option for posts and pull handles

RTE-SSD
Stainless steel green dome exit button, surface mount

ACCESSORIES

REOMA60
600mm cable trunking and spacer kit for 300kg magnetic pull handles

PSMB123
Switch mode power supply, 12Vdc / 3A

RELATED PRODUCTS

RAL
Custom RAL colour option for posts and pull handles

PB2LED
All-active switch, 2 x microswitches and LEDs

	P300EVO	P300RP
MATERIAL	Satin anodised aluminium	
MOUNTING	Surface	Surface
RELAYS	1 x NO/NC	
LOCK MODE	Fail safe	
HOLDING FORCE	300kg	
DIMENSIONS	500 x 105 x 63 mm	400 x 105 x 63 mm
WEIGHT	2.5 kg	2.6 kg
POWER SUPPLY	12 - 48 Vdc	12 - 24 Vdc
CONSUMPTION	325mA @ 12Vdc / 165mA @24Vdc / 80mA @ 48Vdc (per maglock)	290mA @ 12Vdc / 145mA @ 24Vdc

|	P600EVO	P600RP
MATERIAL	Satin anodised aluminium	
MOUNTING	Surface	Surface
RELAYS	1 x NO/NC (per maglock)	
LOCK MODE	Fail safe	
HOLDING FORCE	2 x 300kg	
DIMENSIONS	700 x 105 x 63 mm	600 x 105 x 63 mm
WEIGHT	4.5 kg	4.55 kg
POWER SUPPLY	12 - 48 Vdc	12 - 48 Vdc
CONSUMPTION	325mA @ 12Vdc / 165mA @24Vdc / 80mA @ 48Vdc (per maglock)	290mA @ 12Vdc / 145mA @ 24Vdc (per maglock) / 145mA @ 48Vdc (2 maglocks)

400KG ARCHITECTURAL HANDLES

10 YEAR WARRANTY

FIRE RATED 30 MINUTES

We are... GOING GREEN

These shorter handles include either 1x or 2x 400kg maglocks. Whether indoors or outdoors, they deliver robust locking and a tidy aesthetic finish. Optionally, spray the handles in any RAL colour of your choice. Moreover, they're manufactured from sustainable aluminium with a much lower carbon footprint. The P400RN is fire rated under EN1634-1 & 2 for 30 minutes.
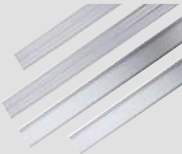
IP66   IK10   -25°C to +70°C
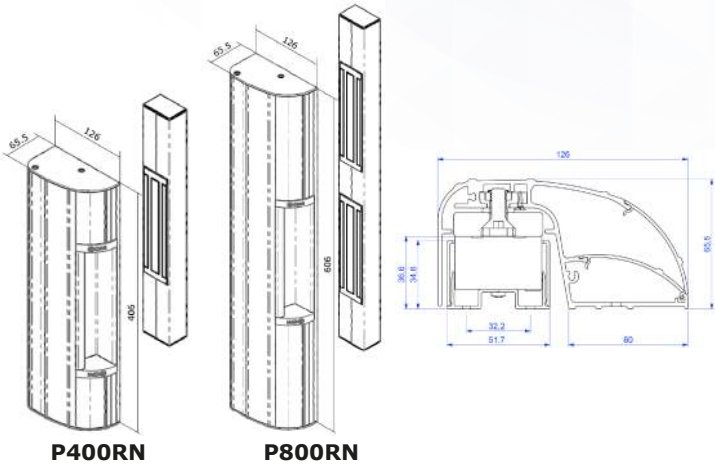
P400RN   **P800RN**

P400RN   **P800RN**

- **Holding force:** 400kg maglocks
- **Installation:** Fits new or retrofit installations
- **Door type:** Wood, metal or glass doors

BO600 | 2 x 300kg full-length architectural handles

10 YEAR WARRANTY

We are... GOING GREEN

The BO600 series of pull handles includes 2 x 300kg monitored magnets. They are ideal for high traffic areas such as schools, colleges, and public buildings. Locking is robust and reliable, while maintaining a user-friendly finish for the handle. In addition, the BO600EVO model includes LEDs at the top of the unit to indicate the locks' status.

IP66   IK10   -20°C to +60°C

IP42 (BO600EVO)

BO600EVO
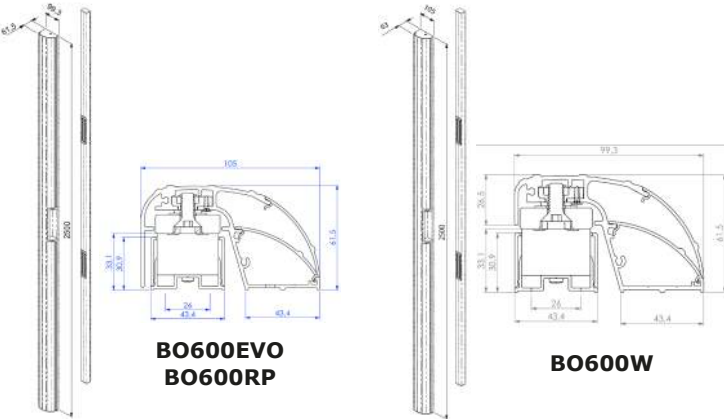
BO600W   **BO600RP**

BO600EVO BO600RP   **BO600W**

- **Holding force:** 2x300kg maglocks
- **Installation:** Fits new or retrofit installations
- **Door status indication:** Audible and visual feedback with bi-coloured LEDs

ACCESSORIES

REOMA60
600mm cable trunking and spacer kit for 300kg magnetic pull handles

PSMB123
Switch mode power supply, 12Vdc / 3A

RELATED PRODUCTS

RAL
Custom RAL colour option for posts and pull handles

EM301-LS
Triple-pole resettable emergency door release with light and sounder

ACCESSORIES

RCBO
Handle insert for cylinder and manual handle locks

RAL
Custom RAL colour option for posts and pull handles

RELATED PRODUCTS

BO600RH
Architectural housing, 2x300kg monitored magnets, horizontal profile

PRP-800
2,500mm mimic handle section for reverse side of door

	P400RN	**P800RN**
MATERIAL	Satin anodised aluminium	
MOUNTING	Surface	
RELAYS	1 x NO/NC (per maglock)	
LOCK MODE	Fail safe	
HOLDING FORCE	400kg	
DIMENSIONS	400 x 126 x 68 mm	600 x 126 x 68 mm
WEIGHT	3.15 kg	5.35 kg
POWER SUPPLY	12 - 24 Vdc	
CONSUMPTION	550mA	

	BO600EVO	**BO600RP**	**BO600W**
MATERIAL	Satin anodised aluminium		
MOUNTING	Surface		Surface (when a standard handle doesn't allow the door to close against a wall)
RELAYS	1 x NO/NC (per maglock)		
LOCK MODE	Fail safe		
HOLDING FORCE	2 x 300kg		
DIMENSIONS	2,500 x 105 x 63 mm		2,500 x 99.3 x 61.5 mm
WEIGHT	12 kg		11.6 kg
POWER SUPPLY	12 - 48 Vdc	12 - 24 Vdc	12 - 48 Vdc
CONSUMPTION	325mA @ 12Vdc / 165mA @24Vdc / 80mA @ 48Vdc (per maglock)	290mA @ 12Vdc / 145mA @ 24Vdc (per maglock)	285mA @ 12Vdc / 145mA @ 24Vdc (per maglock) / 145mA @ 48Vdc (two maglocks)

10 YEAR WARRANTY

BO900 | 3 x 300kg full-length architectural handles

BO900EVO

BO600W, BO600RP

We are GOING GREEN

The BO900 series of pull handles includes 3 x 300kg monitored magnets. In addition, the BO900EVO model includes LEDs at the top of the unit to indicate the locks' status. Customise these handles to the needs of your project - they can be cut to length (min 1.2m) or sprayed any RAL colour to stand out or blend in. Magnetic pull handles provide robust locking for high traffic sites.

IP66   IK10   -20°C to +60°C

IP42 (BO900RP)
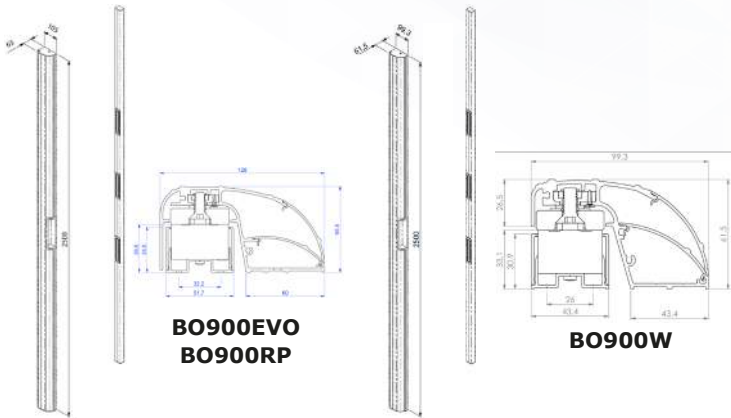
BO900EVO BO900RP

BO900W

Holding force: 3x300kg maglocks

Installation: Fits new or retrofit installations

Door status indication: Audible and visual feedback with bi-coloured LEDs

400KG FULL-LENGTH ARCHITECTURAL HANDLES

We are GOING GREEN

BO1200RN   **BO800RN**

These magnetic pull handles provide robust, discreet, and user-friendly locking solutions. Install the handles on either new or existing doors, with a choice between 2x or 3x 400kg monitored magnets. Spreading holding force along the length of the handle improves locking robustness. The handle can be cut down to custom size (min 1.2m) and sprayed in custom RAL colours.

IP66   IK10   -20°C to +70°C

10 YEAR WARRANTY

Holding force: 2x400kg or 3x400kg maglocks

Installation: Fits new or retrofit installations

Door type: Wood, metal or glass doors

ACCESSORIES

RCBO
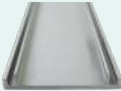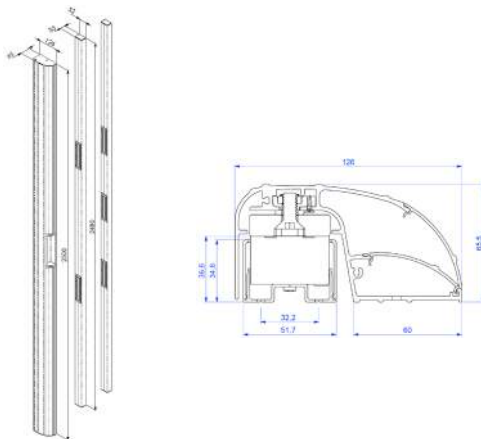Handle insert for cylinder and manual handle locks

RAL
Custom RAL colour option for posts and pull handles

RELATED PRODUCTS

REO
2,500mm aluminium spacer for 300kg magnetic pull handles

ALMA
Cable trunking

ACCESSORIES

PSMB123
Switch mode power supply, 12Vdc / 3A

RAL
Custom RAL colour option for posts and pull handles

RELATED PRODUCTS

BO800RN-3M
Architectural handle, 2x400kg monitored magnets, 3,000mm

BO1200RN-3M
Architectural handle, 3x400kg monitored magnets, 3,000mm

	BO900EVO	BO900RP	BO900W
MATERIAL	Satin anodised aluminium		
MOUNTING	Surface		Surface (when a standard handle doesn't allow the door to close against a wall)
RELAYS	1 x NO/NC (per maglock)		
LOCK MODE	Fail safe		
HOLDING FORCE	3 x 300kg		
DIMENSIONS	2,500 x 105 x 63 mm		2,500 x 99.3 x 61.5 mm
WEIGHT	14.5 kg	13 kg	
POWER SUPPLY	12 - 48 Vdc		12 - 24 Vdc
CONSUMPTION	325mA @ 12Vdc / 165mA @24Vdc / 80mA @ 48Vdc (per maglock)	290mA @ 12Vdc / 145mA @ 24Vdc (per maglock) / 145mA @ 48Vdc (2 maglocks)	285mA @ 12Vdc / 145mA @ 24Vdc (per maglock) / 145mA @ 48Vdc (two maglocks)

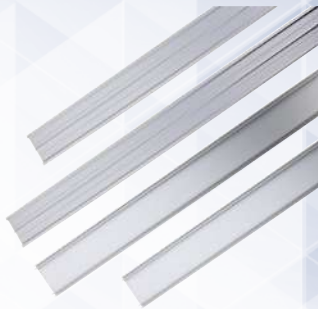|	BO1200RN	BO800RN
MATERIAL	Satin anodised aluminium	
MOUNTING	Surface	
RELAYS	1 x NO/NC (per maglock)	
LOCK MODE	Fail safe	
HOLDING FORCE	3 x 400kg	2 x 400kg
DIMENSIONS	2,500 x 136 x 68 mm	
WEIGHT	14.7 kg	13 kg
POWER SUPPLY	12 - 24 Vdc	
CONSUMPTION	480mA @ 12Vdc / 240mA @ 24Vdc	

SPACERS AND CABLE TRUNKING

ALMA

Cable trunking

REO

2,500mm aluminium spacer for 300kg magnetic pull handles

REOMA60

600mm cable trunking and spacer kit for 300kg magnetic pull handles

LISTED PRODUCTS

Reference	Description
ALMA	Cable trunking
BO1200RN	Architectural handle, 3x400kg monitored magnets, 2,500mm
BO1200RN-3M	Architectural handle, 3x400kg monitored magnets, 3,000mm
BO600EVO	Architectural handle with LED indication, 2x300kg monitored magnets, 2,500mm
BO600RH	Architectural housing, 2x300kg monitored magnets, horizontal profile
BO600RP	Architectural handle, 2x300kg monitored magnets, 2,500mm
BO600W	Recessed architectural handle with 2x 300kg magnets, 2,500mm
BO800RN	Architectural handle, 2x400kg monitored magnets, 2,500mm
BO800RN-3M	Architectural handle, 2x400kg monitored magnets, 3,000mm
BO900EVO	Architectural handle with LED indication, 3x300kg monitored magnets, 2,500mm
BO900RP	Architectural handle, 3x300kg monitored magnets, 2,500mm
BO900W	Recessed architectural handle with 3x 300kg magnets, 2,500mm
P300EVO	Architectural handle, 1x300kg monitored magnet, 500mm, LED indication
P300RP	Architectural handle, 1x300kg monitored magnet, 400mm
P400RN	Architectural handle, 1x400kg monitored magnet, 400mm
P600EVO	Architectural handle, 2x300kg monitored magnets, 700mm, LED indication
P600RP	Architectural handle, 2x300kg monitored magnets, 600mm
P800RN	Architectural handle, 2x400kg monitored magnets, 600mm
PRP-800	2,500mm mimic handle section for reverse side of door
RAL	Custom RAL colour option for posts and pull handles
RCBO	Handle insert for cylinder and manual handle locks
REO	2,500mm aluminium spacer for 300kg magnetic pull handles
REOMA60	600mm cable trunking and spacer kit for 300kg magnetic pull handles

PRP-800 | Mimic handle section for reverse side of door

- Mimic handle section
- For non-magnetised side of door
- Allows users to pull the handle from either direction
- Ideal for double action swing doors

	PRP-800
DIMENSIONS	2,500 x 136 x 50 mm
WEIGHT	4.6 kg

RCBO | Handle insert for cylinder and manual handle locks

- Allows space for a mechanical cylinder lock and handle
- Only requires one 90-degree cut in the original handle
- Ideal when electronic locking is needed in the day and mechanical locking at night
- Robust black ABS

	RCBO
DIMENSIONS	198 x 110 x 63.6 mm
WEIGHT	0.1 kg

IK10   -40° to +70°C

ELECTRIC LOCKS
Introduction

5 YEAR WARRANTY

LOCKING JARGON YOU NEED TO KNOW

SWING DOOR

A swing door is a type of door fixed to the door frame with hinges along one side.

DOUBLE ACTION

A double action lock is one that can be used with doors that swing in both directions. These locks can both latch and be locked as normal.

FAIL SAFE

Fail safe locks are unlocked when power is removed. Power must be applied to the lock in order to secure the door and prevent access.

FAIL SECURE

Fail secure locks are locked when power is removed. When power is applied, the lock is released and the door is free to open.

MONITORING

Monitoring refers to technology which allows certain products such as electro-magnetic locks to record and report their status to a central system. This allows security officers to see the live status of a lock and record the history of access events.

CONTINUOUS CURRENT

In locking, CC stands for continuous current or constant current. This is a type of direct current (DC) that does not change intensity over time. It allows systems to maintain the same voltage level regardless of variations in current.

COIL

Inside electric strikes, there are coils. The coil is energised or de-energised to release or lock the strike. The larger the coil, the longer it can sustain continuous operation.

METAL OXIDE VARISTOR

A metal oxide varistor (MOV) is used in parallel across an inductive load such as a maglock. It provides circuit protection from 'Back-EMF' produced by the lock to devices connected to the lock when it is de-energised.

SURFACE

A surface mounted device is one which is installed and fixed on top of the wall or surface, so that the body of the device protrudes.

FLUSH

Flush mounting (also known as mortice mounting in reference to locks) is the installation of a product set back into the surface of a wall, so that the surface of the product is aligned with the wall.

MORTICE

Mortice (or mortise) refers to one of the two methods for mounting a lock onto a door. Mortice locks are mounted into the body of the door itself, meaning a pocket must be cut into the door in order to install the lock. The opposite is a surface mount lock.

HOLDING FORCE

Holding force is a measure of the strength of a lock. Measured in kilograms or pounds, holding force indicates the amount of weight that would be required to break the lock.

SIDE LOAD

Side load, sometimes known as sideload or pre-load, is the force applied to a locking mechanism from the side of the lock rather than directly in line with it. Some locks are unable to operate normally under the effect of side load. Side load can also damage locks' mechanisms, impacting overall operational effectiveness and security.

SHEAR FORCE

Shear force is a force that acts parallel to a surface, causing it to deform or slide. A shearlock or shear lock is a type of electric lock which adds to the security of a standard magnetic lock with pins or bolts which position themselves into the opposing armature plate, providing high holding strength. If the magnet fails, the lock still opens as it's fail safe. Shear locks require alignment and are not suitable for escape doors.

ELECTRIC LOCKS

5 YEAR WARRANTY

High Quality Electric Locking

Electric locks offer the ideal combination of fast and convenient access and monitoring, whilst providing high security locking.

CDVI's range of electric locks includes both fail safe and fail secure models, each suited to different security contexts, solenoid bolts, self-aligning shearlocks, double-action locks, and motorised deadbolts. The holding force of the range starts at 650kg and goes up to 1500kg for high security settings.

Some models feature a built-in varistor, which effectively eliminates back-EMF and protects sensitive trigger devices such as keypads and access control units.

Contents

DX200I | Fail safe solenoid bolt, monitored

5 YEAR WARRANTY

The DX200I is a fail safe solenoid bolt locking device manufactured in high quality stainless steel. It monitors the full door and lock position statuses, ensuring better security visibility. In addition, this lock is equipped with a retry circuit which activates automatically if the door is not correctly aligned. This helps maintain smooth operation and robust security even if the door rests slightly out of position.

IP42   IK10   -10°C to +60°C
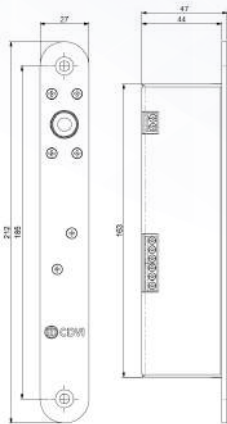
Lock mode: Fail safe

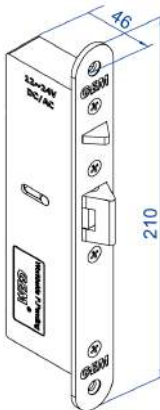**Voltage:** 12-24Vdc

Monitoring: Yes

ML-210N-SW | Reversible 650kg electric lock

1 YEAR WARRANTY

The ML-210N-SW is an ideal solution for doors requiring a latch-type locking arrangement with high quality components and durability (it's tested for 1,000,000 cycles). This lock is suitable for horizontal or vertical mounting and double action door sets. Manufactured from stainless steel and featuring 650kg holding force, this lock is selectable between fail safe and fail secure modes.

-10°C to +49°C

Lock mode: Fail safe or fail secure

Voltage: 12-24Vac/dc

Monitoring: Yes

ACCESSORIES

DX200SH
Stainless steel surface housing for DX200

EM301-LS
Triple-pole resettable emergency door release with light and sounder

RELATED PRODUCTS

GALEOBT
Backlit keypad with remote electronics and smartphone connection

PSMB123
Switch mode power supply, 12Vdc / 3A

ACCESSORIES

DBB-22-04
Combined green dome RTE & resettable emergency release

KEY-SSMAKA
Surface square key switch, 2-position, maintained, keyed alike

RELATED PRODUCTS

STAR1M
Narrow style standalone MIFARE controller/reader

PSMB123
Switch mode power supply, 12Vdc / 3A

	DX200I
MATERIAL	Stainless steel
MOUNTING	Mortice, vertical or horizontal
RELAYS	1 x NO/NC
TIME DELAY	From 3.5 to 30 sec
LOCK MODE	Fail safe
HANDED	Non-handed
HOLDING FORCE	1,500kg
CYCLE TESTING	Tested for 100,000 cycles
DIMENSIONS	163 x 25 x 45 mm / Bolt: Ø 14 mm
ARMATURE PLATE DIMENSIONS	212 x 27 x 3 mm
WEIGHT	0.44 kg
POWER SUPPLY	12 - 24 Vdc
CONTACT RATING	n/a
CONSUMPTION	1,150mA @ 12Vdc / 750mA @ 24Vdc (in-rush)

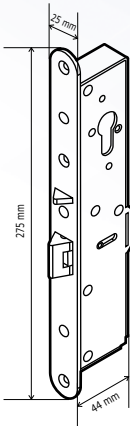|	ML-210N-SW
MATERIAL	Stainless steel
MOUNTING	Mortice, vertical or horizontal
RELAYS	1 x NO/NC
TIME DELAY	n/a
LOCK MODE	Fail safe or fail secure (switchable)
HANDED	Reversible (bi-directional snib)
HOLDING FORCE	650kg
CYCLE TESTING	Tested for 1,000,000 cycles
DIMENSIONS	210 x 25 x 44 mm
ARMATURE PLATE DIMENSIONS	150 x 20 x 2 mm
WEIGHT	0.594 kg
POWER SUPPLY	12 - 24 Vac/dc
CONTACT RATING	3A @ 125Vac
CONSUMPTION	250mA @ 12Vdc, 150mA @ 24Vdc

ML-300-SW | Reversible 650kg EURO cyclinder electric lock

The ML-300-SW provides EURO cylinder operation in the ML solenoid-type locking range, suitable for vertical mounting and double action door sets. It provides high quality locking and long-life operation (tested for 1,000,000 cycles). Manufactured from stainless steel and featuring 650kg holding force, this lock is selectable between fail safe and fail secure modes.

-10°C to +49°C

Lock mode: Fail safe or fail secure

Voltage: 12-24Vac/dc

Monitoring: Yes

ML-350M | Compact 650kg electric lock, fire rated

FIRE RATED 60 MINUTES

The ML-350M is an ideal solution for doors requiring latch-type locking with fire certification, 650kg holding force, and 225kg of preload operation. It can be mounted horizontally or vertically on double action doors, and features a bi-directional snib and full monitoring status. Manufactured from stainless steel, this lock is fail safe and thus suited for emergency escapes.

-10°C to +49°C
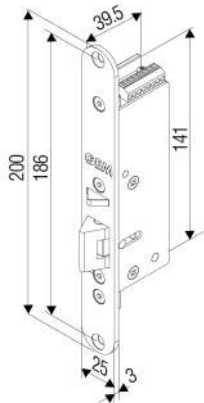
Lock mode: Fail safe

Voltage: 12Vdc or 24Vdc

Fire rating: EN14846 (60 minutes)

ACCESSORIES

DBB-21-04
Combined green dome RTE & breakglass emergency release

KEY-ASMAKA
Surface architrave key switch, 2-position, maintained, keyed alike

RELATED PRODUCTS

IEVO-U
ievo ultimate™ fingerprint reader

PSMB123
Switch mode power supply, 12Vdc / 3A

ACCESSORIES

ML-350-SH
Surface housing for ML-350 electric locks

ML350-HDKEEP-44
Heavy duty keep plate for ML-350 locks, 44mm

RELATED PRODUCTS

DGA
Surface mount, self-contained rugged keypad

PSMB123
Switch mode power supply, 12Vdc / 3A

	ML-300-SW
MATERIAL	Stainless steel
MOUNTING	Mortice, vertical
RELAYS	1 x NO/NC
TIME DELAY	n/a
LOCK MODE	Fail safe or fail secure (switchable)
HANDED	Reversible (bi-directional snib)
HOLDING FORCE	650kg
CYCLE TESTING	Tested for 1,000,000 cycles
DIMENSIONS	275 x 25 x 44 mm
ARMATURE PLATE DIMENSIONS	150 x 40 to 50 x 1.5 mm
WEIGHT	0.815 kg
POWER SUPPLY	12 - 24 Vac/dc
CONTACT RATING	3A @ 125Vac
CONSUMPTION	250mA @ 12Vdc, 150mA @ 24Vdc

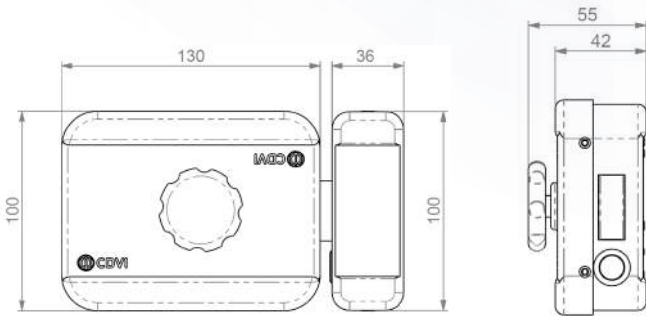|	ML-350M
MATERIAL	Stainless steel
MOUNTING	Mortice, vertical or horizontal
RELAYS	1 x NO/NC
TIME DELAY	n/a
LOCK MODE	Fail safe
HANDED	Reversible (bi-directional snib)
HOLDING FORCE	650kg
CYCLE TESTING	Tested for 250,000 cycles
DIMENSIONS	200 x 25 x 40 mm
ARMATURE PLATE DIMENSIONS	200 x 25 x 3 mm
WEIGHT	0.673 kg
POWER SUPPLY	12 - 24 Vdc
CONTACT RATING	0.5A @ 250Vac
CONSUMPTION	280mA @ 12Vdc / 180mA @ 24Vdc

MV | Motorised electric deadbolts

MVA

MVM

These motorised locks offer non-handed electronic deadlocking for heavy-duty doors and cages. Nylon gears ensure smooth, silent, rust-free operation, while a varnish coating protects the electronics for outdoor use. The MVA and MVM include a manual override with a circular key cylinder that fits 40-90mm doors/gates and three keys. They replace a standard night latch on regular doors.

IP57   -25°C to +70°C

Lock mode: Motorised deadbolt (automatic relocking)

Voltage: 12-18Vdc

Monitoring: No

LISTED PRODUCTS

Reference	Description
DX200I	Fail safe solenoid bolt, monitored
DX200SH	Stainless steel surface housing for DX200
ML-210N-SW	Reversible electric lock, 650kg
ML-300-SW	Reversible EURO cyclinder electric lock, 650kg
ML-350M	Compact 650kg electric lock, fire rated, 12-24V
ML350-HDKEEP-44	Heavy duty keep plate for ML-350 locks, 44mm
ML350-HDKEEP-54	Heavy duty keep plate for ML-350 locks, 54mm
ML350-INTUMESCENT-GASKET	Intumescent seal gasket for ML-350 locks when used on fire doors
ML-350-SH	Surface housing for ML-350 electric locks
MVA	Motorised electric deadbolt
MVM	Motorised electric deadbolt with manual override

ACCESSORIES

RTE-SSD
Stainless steel green dome exit button, surface mount

EM201
Double-pole resettable emergency door release

RELATED PRODUCTS

GALEOBT
Backlit keypad with remote electronics and smartphone connection

PSMB123
Switch mode power supply, 12Vdc / 3A

	MVA	MVM
MATERIAL	Plated steel	
MOUNTING	Surface	
RELAYS	1 x NO/NC	
TIME DELAY	Auto-relock after 8 sec	
LOCK MODE	Manual override from key cylinder (if fitted)	Manual override from key cylinder (if fitted) with internal thumb turn
HANDED	Reversible	
HOLDING FORCE	1,500kg	
CYCLE TESTING	n/a	
DIMENSIONS	130 x 100 x 42 mm	
ARMATURE PLATE DIMENSIONS	96 x 36 x 40 mm	
WEIGHT	1.15 kg	1.25 kg
POWER SUPPLY	12 - 18 Vac/dc	
CONTACT RATING	n/a	
CONSUMPTION	410mA (in-rush)	

ACCESSORIES
Introduction

2 YEAR WARRANTY

IP RATING

IP (Ingress Protection) is an industry-recognised IEC rating (IEC 60529) that measures a product's resistance to liquids (like rainwater) and solids (like dust or sand) entering its internal components, potentially causing damage like electrical shorts or circuit interference.

IP XX

Measured on a scale from 0-6
Indicates protection against solids

Measured on a scale from 0-8
Indicates resistance to liquids

0 No protection

1 Protected against solid objects over 50mm (e.g. accidental touch by hands)

2 Protected against solid objects over 12mm (e.g. fingers)

3 Protected against solid objects over 2.5mm (e.g. tools and wires)

4 Protected against solid objects over 1mm (e.g. tools, wires and small wires)

5 Protected against dust – limited ingress (no harmful deposit)

6 Completely protected against the entrance of dust.

0 No protection

1 No water should enter when it falls from 200mm in height from the equipment, for 10 minutes (at a rate of 3-5mm³ / min)

2 Protected against direct sprays up to 15° from vertical.

3 Protected against direct sprays up to 60° from vertical, at 11 L/min and 800-100 kN/m², for at least 5 minutes.

4 Protected against sprays from all directions, at 10 L/min and 800-100 kN/m² for at least 5 minutes—limited ingress allowed.

5 Water jets from a 6.3 mm nozzle, averaging 12.5 L/min at 30 kN/m², must not penetrate for over 3 minutes from a minimum distance of 3 metres—limited ingress allowed.

6 Water jets from a 12.5 mm nozzle, at 100 L/min and 100 kN/m², must not penetrate for 3 minutes from at least 3 metres (e.g., for ship decks)—limited ingress allowed.

7 The equipment must endure full immersion between 15 cm and 1 m for 30 minutes without any leakage.

8 Protected against long periods of immersion under pressure.

Both IP and IK ratings ensure durability against both mechanical impacts and environmental factors like wind and water.
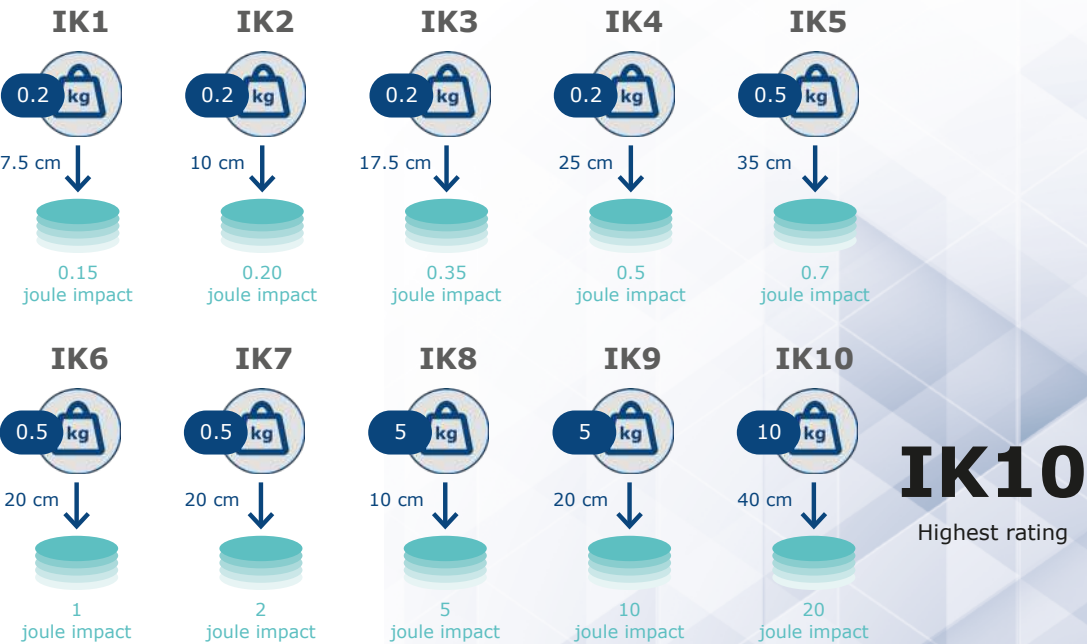
IK RATING

IK ratings (Impact Protection), with the K standing for "kinetic," are defined by IEC 62262 to measure a product's resistance to mechanical impacts, such as knocks, vandalism, or storm debris. They are essential for devices in high-traffic or vandalism-prone areas to prevent damage, costly repairs, and security risks.

IK0
No protection

IK1	IK2	IK3	IK4	IK5
0.2 kg	0.2 kg	0.2 kg	0.2 kg	0.5 kg
7.5 cm	10 cm	17.5 cm	25 cm	35 cm
0.15 joule impact	0.20 joule impact	0.35 joule impact	0.5 joule impact	0.7 joule impact

IK6	IK7	IK8	IK9	IK10
0.5 kg	0.5 kg	5 kg	5 kg	10 kg
20 cm	20 cm	10 cm	20 cm	40 cm
1 joule impact	2 joule impact	5 joule impact	10 joule impact	20 joule impact

IK10
Highest rating

ACCESSORIES

2 YEAR WARRANTY

Accessories to Complement Your Installation

CDVI offers a full range of accessories, ancillaries, and complementary devices to complete any entry project from end to end.

Exit buttons and devices, including novel touchless models, are available in a variety of sizes, styles, and formats for any interior environment. Almost all our push buttons fit the standard UK back-box format, and can be mounted on the RPSS-CUT mounting post. With the addition of a universal transmitter such as TX26-MC1, push buttons can also be made wireless.

Further accessories include door loops, timers, and relays - all designed to create a seamless and cohesive door entry solution.

Contents

www.cdvi.co.uk

2 YEAR WARRANTY

PB | Multi-purpose all-active switches

Experience quality and flexibility with our wide range of all-active switches, made of environmentally-friendly aluminium and designed to simplify access.

We are... **GOING GREEN**

PB1
PB2
PBRF

PB2LED

IP65   IK10   -30°C to +70°C

PB1

PB2

PB2LED

PBRF

Easy Access

Open the door with your hand, elbow, knee, or foot. Wide surface suited for people with reduced mobility.

Flexibility

Integrate the push button with your automation solution with its built-in microswitch.

Quick Installation

The cover clips in effortlessly! Unscrew the end cap and slide the cover upwards or downwards.

STANDARD PLASTIC EXIT BUTTONS

DOOR EXIT — **BP-DOOR-F**

DOOR EXIT — **BP-DOOR-S**

PRESS TO EXIT — **RTE-001S**

RTE-002S

STANDARD STAINLESS STEEL EXIT BUTTONS

PRESS TO EXIT — **RTE-AS**

PRESS TO EXIT — **RTE-SF**

PRESS TO EXIT — **RTE-SS**

ROBUST EXTERNAL REQUEST-TO-EXIT BUTTON

PRESS TO EXIT — **RTE-EX**

PRESS TO EXIT — **RTE-SFD**

PRESS TO EXIT — **RTE-SSD**

IP65   IK10   -20°C to +55°C   IP67

	PB1	PB2	PB2LED	PBRF
MATERIAL	Aluminium, ABS caps			
MOUNTING	Surface			
MOUNTING HEIGHT	n/a			
RELAYS	1 x microswitch	2 x microswitches	2 x microswitches	n/a
CHANNELS	n/a			1
FREQUENCY	n/a			433.92 MHz
MODULATION	n/a			AM/ASK
ENCODING	n/a			KeeLoq® hopping code
DIMENSIONS	250 x 80 x 30 mm			250 x 80 x 29 mm
WEIGHT	0.328 kg	0.336 kg	0.342 kg	0.37 kg
POWER SUPPLY	n/a		12 - 24 Vdc	n/a
CONTACT RATING	3-5A			
CONSUMPTION	n/a		40mA @ 12Vdc / 20mA @ 24Vdc	n/a
BATTERY	n/a			6LR61 9V (included)

	BP-DOOR-F	BP-DOOR-S	RTE-001S	RTE-002S	RTE-AS	RTE-SF	RTE-SS	RTE-EX	RTE-SFD	RTE-SSD
MATERIAL	Sturdy plastic				High grade stainless steel			ABS & zinc alloy	High grade stainless steel	
MOUNTING	Flush	Surface			Flush	Surface			Flush	Surface
MOUNTING HEIGHT	n/a									
RELAYS	n/a									
CYCLE TESTING	n/a							1,000,000	n/a	
DIMENSIONS	83 x 83 x 5 mm	83 x 83 x 23 mm		83 x 33 x 29 mm	85 x 38 x 29 mm	85 x 85 x 2 mm	85 x 85 x 29 mm	72 x 72 x 50 mm	85 x 85 x 2 mm	85 x 85 x 29 mm
WEIGHT	0.05 kg	0.013 kg	0.13 kg	0.07 kg	0.18 kg	0.19 kg	0.29 kg	0.189 kg	0.28 kg	0.33 kg
POWER SUPPLY	n/a							12 - 24 Vdc	n/a	
CONTACT RATING	2A @ 30V	10A @ 24Vac			2A @ 24V			2A @ 24Vdc	2A @ 24V	
CONSUMPTION	n/a									

2 YEAR WARRANTY

RTE-85 | All-active exit buttons with green graphics

RTE-85DL

RTE-85E

These all-active exit switches are ideal for environments where users may have difficulty targeting a smaller button, such as care homes, high traffic areas in hospitals, public buildings, and educational facilities. "All active" means the complete surface area of the face activates the switch, making it easier to target. They are available as surface or flush mounting configurations.

IP65   **-20°C to +55°C**

Environment: DDA compliant and suitable for high traffic areas

Technology: All-active switch

**Feature:** Green button edging with wheelchair or EXIT logo

85.5 mm
85.5 mm
34.0 mm
30.0 mm
EXIT
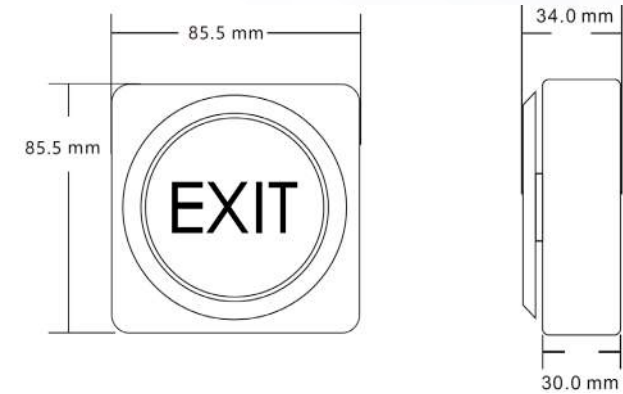
RTE-PTO | Large all-active exit buttons

2 YEAR WARRANTY

RTE-PTO

RTE-PTOD

RTE-PTODA

These all-active push-buttons provide a large target area for users with mobility difficulties. Manufactured in high-grade stainless steel in a surface mount format, the RTE-PTO series are hardy and suitable for high traffic or DDA environments. "All active" means the complete surface area of the face will activate the switch, making it easier to target.

Environment: DDA compliant and suitable for high traffic areas

Technology: All-active switch

Feature: Blue writing with PUSH TO OPEN or PUSH TO OPEN & wheelchair logo.

130 mm
72 mm, 14 mm (flush)
115 mm
130 mm
43 mm
43 mm
114 mm
PUSH TO OPEN
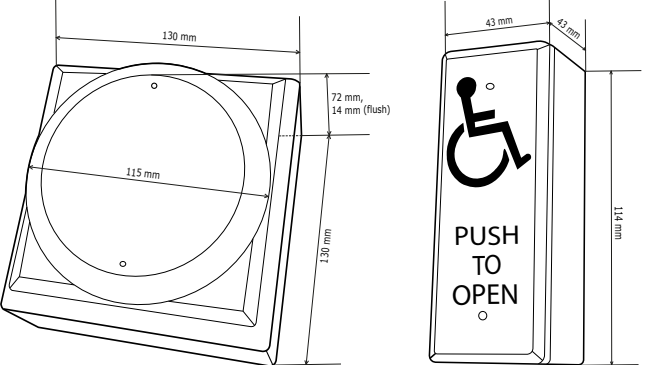
ACCESSORIES

EM301-LS
Triple-pole resettable emergency door release with light and sounder

PSMB123
Switch mode power supply, 12Vdc / 3A

RELATED PRODUCTS

DGA
Surface mount, self-contained rugged keypad

DWPS102U
DIGIWAY Plus door operator for single swing door with universal arm

ACCESSORIES

EM201
Double-pole resettable emergency door release

PSMB123
Switch mode power supply, 12Vdc / 3A

RELATED PRODUCTS

DWSR102U
DIGIWAY Spring Return door operator for single swing door with universal arm

	RTE-85DL	RTE-85E
MATERIAL	304 stainless steel (faceplate)	
MOUNTING	Surface	
MOUNTING HEIGHT	900 to 1,100mm	
RELAYS	n/a	
DIMENSIONS	85.5 x 85.5 x 50 mm (40 mm back box)	
WEIGHT	0.43 kg	
POWER SUPPLY	24 Vdc	
CONTACT RATING	2A (max)	
CONSUMPTION	n/a	

|	RTE-PTO	RTE-PTOD	RTE-PTODA
MATERIAL	High grade stainless steel		
MOUNTING	Surface		
MOUNTING HEIGHT	900 to 1,100mm		
RELAYS	n/a		
DIMENSIONS	130 x 130 x 72 mm		114 x 43 x 43 mm
WEIGHT	0.48 kg	0.47 kg	0.17 kg
POWER SUPPLY	n/a		
CONTACT RATING	15A @ 125-250 Vac, 8A @ 48 Vdc		
CONSUMPTION	n/a		

BP68LS | Black or white exit switch with LED

2 YEAR WARRANTY

This stylish push-to-exit button comes with interchangeable black and white covers, so you can adapt it to suit any environment. Using the standard UK back-box format and with a reflective backlight, the BP68LS is ideal for low to medium traffic use.

IP54   IK8   -30°C to +60°C
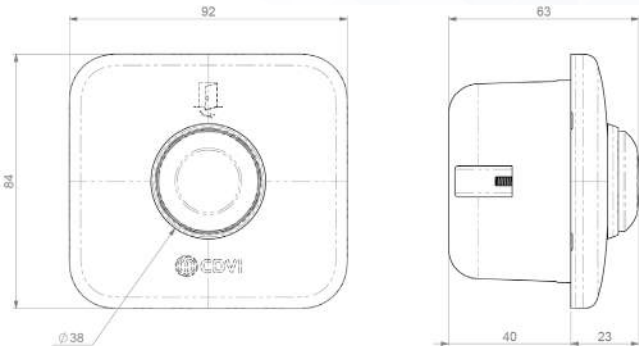
Environment: Suitable for internal and regular traffic areas

Technology: Microswitch

Feature: Supplied with black or white cover, audible and visual feedback with LEDs

ACCESSORIES

EM201
Double-pole resettable emergency door release

RELATED PRODUCTS

V3SR
Surface 300kg magnetic lock, monitored, fire rated

CAASE
Self-contained flush keypad

	BP68LS
MATERIAL	Aluminium alloy & plastic plate
MOUNTING	Flush
MOUNTING HEIGHT	n/a
TECHNOLOGY	Microswitch
RELAYS	1 x NO/NC
TIME DELAY	n/a
DIMENSIONS	84 x 92 x 12 mm
WEIGHT	0.1 kg
POWER SUPPLY	8 - 15 Vdc
CONTACT RATING	5A @ 12Vdc
CONSUMPTION	30mA

INFRARED TOUCHLESS EXIT SWITCHES

2 YEAR WARRANTY

RTE-AIR
Architrave infrared touchless exit switch
IP68   -20°C to +55°C

RTE-CIR
Round infrared exit switch
IP66   -20°C to +60°C

RTE-IRF
Infrared exit device, square with EXIT logo, flush mount

RTE-IRS
Infrared exit device, square with EXIT logo, surface mount
-20°C to +55°C

RTE-WIR
Wave infrared touchless exit switch
-20°C to +55°C

	RTE-AIR	RTE-CIR	RTE-IRF	RTE-IRS	RTE-WIR
MATERIAL	Aluminium	Zinc alloy	High grade stainless steel		Stainless steel with black ABS back-box
MOUNTING	Surface		Flush	Surface	
MOUNTING HEIGHT	n/a				
TECHNOLOGY	Infrared				
RELAYS	1 x NO/NC				
TIME DELAY	0.1 to 30 sec	5 sec, 10 sec, or toggle mode	n/a		from 0.1 to 30 sec
CYCLE TESTING	500,000	100,000	500,000		
DETECTION RANGE	3 to 15cm (adjustable)	3 to 10cm (adjustable)	3 to 15cm (adjustable)		
DIMENSIONS	80 x 32 x 23 mm	Ø 73 x 20 mm	85 x 85 x 6 mm	85 x 85 x 42 mm	86 x 86 x 14 mm
WEIGHT	0.15 kg	0.6 kg	0.22 kg	0.32 kg	0.18 kg
POWER SUPPLY	12 - 24 Vdc	10 - 24 Vdc	12 - 24 Vdc		
CONTACT RATING	2A @ 24Vdc				
CONSUMPTION	33mA	15mA (standby) / 25mA (in operation)	20mA (standby) / 42mA (in operation)		45mA (in operation)

## DOUBLE-POLE & TRIPLE-POLE EMERGENCY DOOR RELEASES
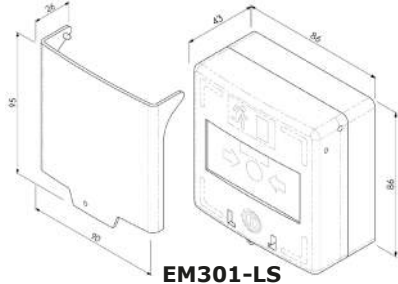
EM200

EM301-LS

EM201

These emergency door releases allow immediate release of fail safe electronic locking when activated. Available in resettable or breakglass configurations, these EDRs are either double or triple pole format. The EM301-LS also includes a light and sounder to clearly signify emergency activation. Spare reset keys are available.
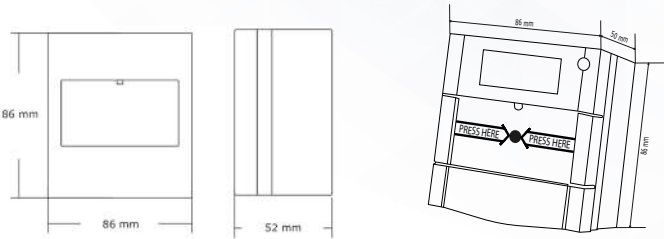
EM200

EM201

EM301-LS

Activation: Resettable or break glass

Technology: Double pole or triple pole

Feature: LED and buzzer feedback (EM301-LS only)

DBB | Combined request-to-exit & emergency door release

DBB-21-02

DBB-22-02

These double exit device configurations include both a Request to Exit (RTE) push button and an emergency door release. The double-gang back-box means the unit can be installed quickly and easily, ensuring an exact fit for a tidier finish. Choose the configuration you require from four different options.
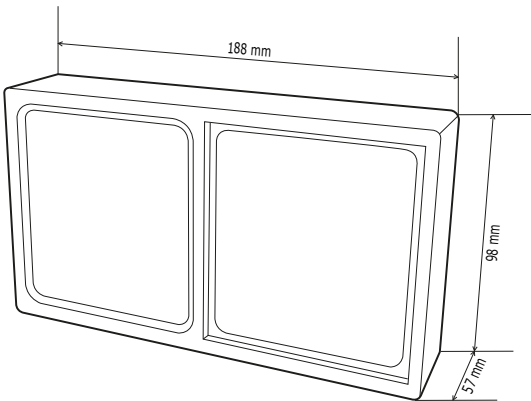
188 mm

98 mm

57 mm

Activation: Resettable or break glass

Technology: Double pole

Feature: Green dome or stainless steel button

ACCESSORIES

EM301-LS-COVER
Perspex cover for EM301 emergency exit devices

MX-03
Protective cover for EM200 and EM201 emergency door releases

RELATED PRODUCTS

ML-350M
Compact 650kg electric lock, fire rated, 12-24V

V3SR
Surface 300kg magnetic lock, monitored, fire rated

DID YOU KNOW?

NC NO

A **relay** uses power to be energised. The relay is controlled by an energised coil that mechanically controls the switch contacts.
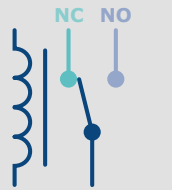
A **switch**, however, will always be manually operated, such as a light switch or standard exit devices.

RELATED PRODUCTS

DBB-21-04
Combined green dome RTE & breakglass emergency release

DBB-22-04
Combined green dome RTE & resettable emergency release

	EM200	EM201	EM301-LS
MATERIAL	ABS	ABS, PC (lid)	
MOUNTING	Surface		
MOUNTING HEIGHT	900 to 1,100mm		
RELAYS	n/a		
DIMENSIONS	86 x 86 x 50 mm		90 x 95 x 45 mm
WEIGHT	0.15 kg		0.17 kg
POWER SUPPLY	30 Vdc		12 - 24 Vdc
CONSUMPTION	n/a		20mA (standby) / 40mA (in operation)

	DBB-21-02	DBB-22-02
MATERIAL	Stainless steel & polycarbonate	
MOUNTING	Surface	
MOUNTING HEIGHT	900 to 1,100mm	
RELAYS	n/a	
DIMENSIONS	98 x 188 x 57 mm	
WEIGHT	0.38 kg	
POWER SUPPLY	n/a	
CONSUMPTION	n/a	

www.cdvi.co.uk

www.cdvi.co.uk

RANGE OF 30-60CM DOOR LOOPS

2 YEAR WARRANTY

FLEX-30	**FLEX-60**	**GF45**	**GF60**	**GFI**
Compact door loop, 30cm	Compact door loop, 60cm	Robust door loop, 45cm	Vandal resistant door loop, 60cm	Concealed door loop

	FLEX-30	FLEX-60	GF45	GF60	GFI
MATERIAL	Stainless steel loop, Zamak® end caps			Stainless steel	
DIMENSIONS	300 mm (tube length), 30 x 35 x 30 mm (cap)	600 mm (tube length), 30 x 35 x 30 mm (cap)	450 mm (tube length), 48 x 40 x 23 mm (cap)	600 mm (tube length), Ø 53.4 x 21 mm (cap)	290 x 24.5 x 18 mm
DIAMETER	Ø 7 mm (internal tube), Ø 10.5 mm (external tube)		Ø 9 mm (internal tube), Ø 13 mm (external tube)		Ø 9 mm (internal tube)
WEIGHT	0.09 kg	0.14 kg	0.23 kg	0.26 kg	0.28 kg

2-POSITION KEY SWITCHES, FLUSH OR SURFACE

KEY-AFMAKA	**KEY-ASMAKA**	**KEY-SFMAKA**	**KEY-SSMAKA**
Flush architrave key switch, 2-position, maintained, keyed alike	Surface architrave key switch, 2-position, maintained, keyed alike	Flush square key switch, 2-position, maintained, keyed alike	Surface square key switch, 2-position, maintained, keyed alike
-20°C to +55°C	**KEY-ASMAKD** Surface architrave key switch, 2-position, maintained, keyed to differ	**KEY-SFMOKA** Flush square key switch, 2-position, momentary, keyed alike	**KEY-SSMOKA** Surface square key switch, 2-position, momentary, keyed alike
	-20°C to +55°C		**KEY-SSMAKD** Surface square key switch, 2-position, maintained, keyed to differ

	KEY-AFMAKA	KEY-ASMAKA	KEY-ASMAKD	KEY-SFMAKA	KEY-SFMOKA	KEY-SSMAKA	KEY-SSMAKD	KEY-SSMOKA
MATERIAL	Stainless steel							
MOUNTING	Flush	Surface		Flush		Surface		
RELAYS	2 x NO/NC							
CYCLE TESTING	500,000							
DIMENSIONS	85 x 38 x 29 mm			85 x 85 x 30 mm				
WEIGHT	0.2 kg	0.31 kg		0.25 kg	0.3 kg	0.35 kg		0.28 kg
CONTACT RATING	2A @ 24Vdc							

DIGITAL 7-DAY TIMERS

2 YEAR WARRANTY
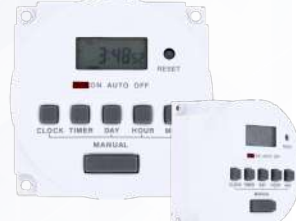
TH827-12	**TH827-24**	**TH857**
Digital 7-day timer, 12Vac/dc	Digital 7-day timer, 24Vac/dc	Digital 7-day timer, DIN rail mount, 230Vac

	TH827-12	TH827-24	TH857
MATERIAL	Sturdy plastic		
MOUNTING	Surface		DIN Rail
TECHNOLOGY	7 days, 8 on/off schedules		
DIMENSIONS	60 x 60 x 34 mm		85 x 65 x 36 mm
WEIGHT	0.09 kg		0.13 kg
POWER SUPPLY	12 Vac/dc	24 Vac/dc	230 Vac
CONTACT RATING	8A switching		
BATTERY	200 hours backup battery (NICD)		

RELAY & TIMER MODULES

ICM-2	**VHLD**	**TPG1**	**VHLR**
2-door interlock control module	Delay module for fail safe locks	Relay/timer, 0-15 seconds	Universal relay
	IP22	-25°C to +55°C	IP44

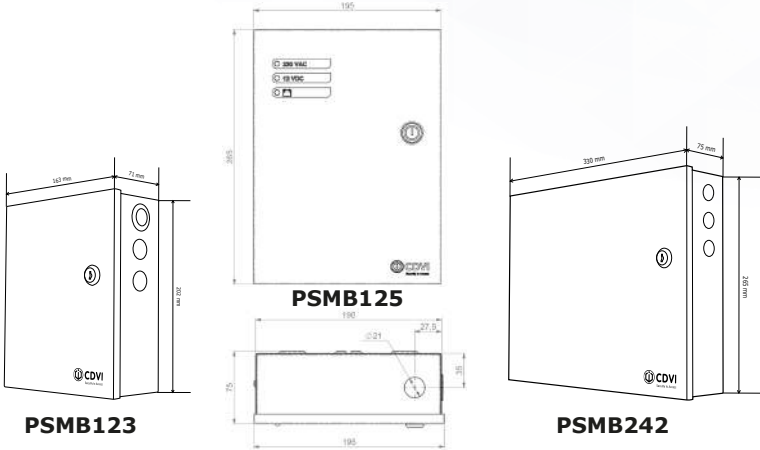|	ICM-2	VHLD	TPG1	VHLR
RELAYS	2 x NO/NC	1 x NO/NC	1 x NO/NC (+ buzzer output)	2 x NO/NC
TIME DELAY	n/a	From 3 to 10 sec	From 0 to 180 sec	n/a
LOCK MODE	Fail safe locking devices only		Fail safe or fail secure locking devices	
DIMENSIONS	69 x 60 x 15 mm	65 x 24 x 16 mm	70 x 70 x 25 mm	60 x 60 x 26 mm
WEIGHT	0.61 kg	0.01 kg	0.26 kg	0.04 kg
POWER SUPPLY	12 Vdc	10 - 15 Vdc	12 -24 Vac/dc	12 - 24 Vac/dc
CONTACT RATING	3A @ 24Vdc / 120Vac	3A @ 24 Vdc	10A @ 30Vdc / 230Vac	5A @ 250 Vac

METAL-BOXED SWITCH MODE POWER SUPPLIES

ADC | DIN switch mode power supplies

2 YEAR WARRANTY

10 YEAR WARRANTY

These metal-cased switch mode power supplies range from 2.5A to 5A rated current. They are ideal for applications requiring standby battery capability. The units are regulated with highly stable output, supplying full rated current to load and a universal mains voltage input range (190-265Vac). With 80-87% efficiency, users can reduce their power bills and carbon footprint.

-30°C to +80°C

PSMB123 PSMB125 PSMB242

The ADC are 12V or 24V DIN-rail switch mode power supplies, with full stated current to load – meaning they reliably deliver all the current they promise. They are fuse protected on both the primary and secondary circuits. Constructed of polycarbonate, ADC power supplies are extremely safe, making them ideal for powering external gate locks or magnets.

IP20   -10°C to +40°C

ADC324   ADC335

Voltage: 12Vdc or 24Vdc

Current: 2.5, 3, or 5 amps

Battery: Metal box with battery back up

PSMB125

PSMB123   **PSMB242**

Voltage: 12Vdc or 24Vdc

Current: 3.5 or 2 amps

Usage: Ideal for electric locking devices (maglocks, strikes, and locks)

ACCESSORIES

B7AH
12Vdc 7AH
rechargeable battery

RELATED PRODUCTS

SR1024
Symmetrical fail secure
strike, 10-24Vdc,
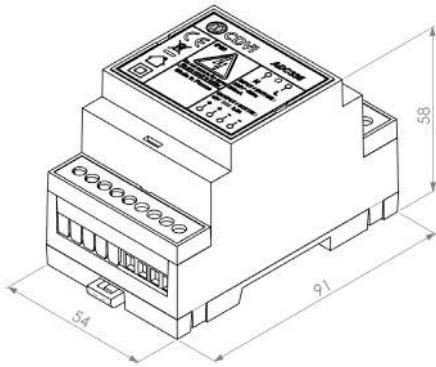continuous current

IEVO-U
ievo ultimate™
fingerprint reader

DID YOU KNOW?

A **fuse** is a safety device with a thin metal strip that melts when excessive current flows through it, breaking the circuit and stopping the power supply.

Fast-blow fuses are used in low-voltage power supplies for sensitive electronics, while slow-blow fuses are preferred for circuits with inrush currents, such as motors or transformers.

RELATED PRODUCTS

ML-350M
Compact 650kg electric
lock, fire rated, 12-24V

C3S11
Entry level surface
300kg magnetic
lock, monitored

	PSMB123	PSMB125	PSMB242
MATERIAL	Metal lockable case		
MOUNTING	Surface		
DIMENSIONS	202 x 163 x 71 mm	265 x 195 x 75 mm	330 x 265 x 75 mm
WEIGHT	0.94 kg		2.14 kg
POWER SUPPLY	190 - 265 Vac		
CONTACT RATING	3A	5A	2.5A
CONSUMPTION	13.8Vdc output		27.6Vdc output
BATTERY	1x 12V, 7AH rechargeable backup battery		

|	ADC324	ADC335
MATERIAL	Polycarbonate	
MOUNTING	DIN rail	
DIMENSIONS	91 x 54 x 58 mm	
WEIGHT	0.16 kg	0.14 kg
POWER SUPPLY	230 Vac	
CONTACT RATING	2A (max)	3.5A (max)
CONSUMPTION	24Vdc output	12Vdc output

2 YEAR WARRANTY

10 YEAR WARRANTY

CA1 | Class II transformers, 12Vac and 12/24Vac

CA1A

CA1R

The CA1 are economical transformers which reliably deliver 12 Vac or 24 Vac from a 230 Vac power supply. Additionally, they benefit from short circuit protection. Ideal for running a simple keypad and electric strike, these transformers are perfect for small-scale installations.
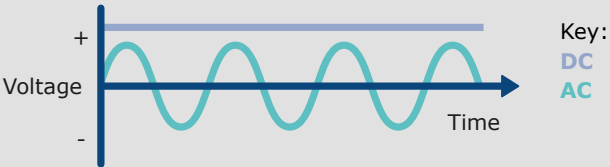
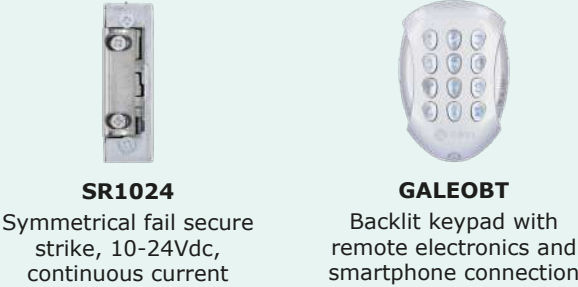**IP20**   **-20°C to +60°C**
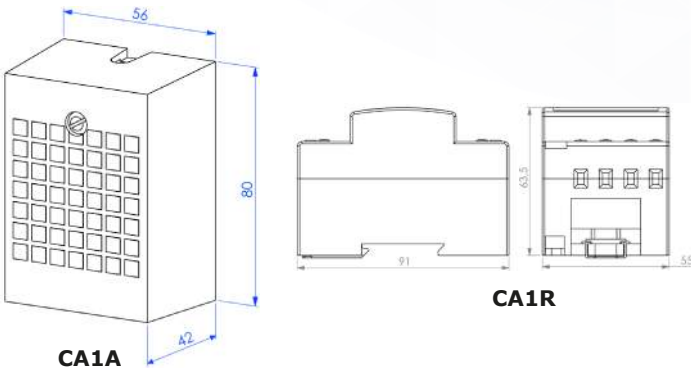
Voltage: 12Vac or 12/24Vac

Current: 1A

Usage: Ideal for running AC powered and fail secure electric strikes

CA1R

CA1A

DID YOU KNOW?

AC (Alternating Current) works by periodically reversing the direction of electron flow. Unlike DC (Direct Current), where electricity flows in one constant direction, AC continuously switches between positive and negative voltages.

+
Voltage
-
Time

Key:
DC
AC

RELATED PRODUCTS

SR1024
Symmetrical fail secure strike, 10-24Vdc, continuous current

GALEOBT
Backlit keypad with remote electronics and smartphone connection

LISTED PRODUCTS

Reference	Description
ADC324	24Vdc 2A switch mode power supply
ADC335	12Vdc 3.5A switch mode power supply
B7AH	12Vdc 7AH rechargeable battery
BP-DOOR-F	Plastic exit switch, wide button, flush mount
BP-DOOR-S	Plastic exit switch, wide button, surface mount
BP68LS	Push button exit switch, black or white
C2P	Door transfer hinge with 2 pins
C3P	Door transfer hinge with 3 pins
CA1A	Class II 12Vac transformer
CA1R	Class II 12/24Vac transformer
DBB-21-02	Combined stainless steel RTE & breakglass emergency release
DBB-21-04	Combined green dome RTE & breakglass emergency release
DBB-22-02	Combined stainless steel RTE & resettable emergency release
DBB-22-04	Combined green dome RTE & resettable emergency release
EM200	Double-pole breakglass emergency door release
EM201	Double-pole resettable emergency door release
EM301-LS	Triple-pole resettable emergency door release with light and sounder
EM301-LS-COVER	Perspex cover for EM301 emergency exit devices
EM301-LS-KEY	Spare reset key for EM301-LS emergency exit device
EMKEY	Spare reset key for emergency exit devices
FLEX-30	Compact door loop, 30cm
FLEX-60	Compact door loop, 60cm
GF45	Robust door loop, 45cm
GF60	Vandal resistant door loop, 60cm
GFI	Concealed door loop
ICM-2	2-door interlock control module
ICM-2-KIT	2-door interlock control kit
KEY-AFMAKA	Flush architrave key switch, 2-position, maintained, keyed alike
KEY-ASMAKA	Surface architrave key switch, 2-position, maintained, keyed alike
KEY-ASMAKD	Surface architrave key switch, 2-position, maintained, keyed to differ
KEY-SFMAKA	Flush square key switch, 2-position, maintained, keyed alike
KEY-SFMOKA	Flush square key switch, 2-position, momentary, keyed alike
KEY-SSMAKA	Surface square key switch, 2-position, maintained, keyed alike
KEY-SSMAKD	Surface square key switch, 2-position, maintained, keyed to differ

Reference	Description
KEY-SSMOKA	Surface square key switch, 2-position, momentary, keyed alike
MX-03	Protective cover for EM200 and EM201 emergency door releases
PB1	All-active switch, 1 x microswitch
PB2	All-active switch, 2 x microswitches
PB2LED	All-active switch, 2 x microswitches and LEDs
PBRF	All-active switch with radio frequency
PSMB123	Switch mode power supply, 12Vdc / 3A
PSMB125	Switch mode power supply, 12Vdc / 5A
PSMB242	Switch mode power supply, 24Vdc / 2.5A
RTE-001S	Sturdy plastic exit button, square, surface mount
RTE-85DL	All-active wheelchair logo exit button, surface mount
RTE-85E	All-active EXIT logo exit button, surface mount
RTE-AIR	Architrave infrared touchless exit switch
RTE-AS	Stainless steel exit button, architrave, surface mount
RTE-EX	Robust external request-to-exit button
RTE-CIR	Round infrared exit switch
RTE-DSS	Non-shroud stainless steel green dome exit device
RTE-IRF	Infrared exit device, square with EXIT logo, flush mount
RTE-IRS	Infrared exit device, square with EXIT logo, surface mount
RTE-PTO	Large all-active PUSH TO OPEN exit button, surface mount
RTE-PTOD	Large all-active wheelchair logo & PUSH TO OPEN exit button, surface mount
RTE-PTODA	Architrave all-active PUSH TO OPEN exit button, surface mount
RTE-SF	Stainless steel exit button, square, flush mount
RTE-SFD	Stainless steel green dome exit button, flush mount
RTE-SS	Stainless steel exit button, square, surface mount
RTE-SSD	Stainless steel green dome exit button, surface mount
RTE-WIR	Wave infrared touchless exit switch
RTE-002S	Plastic exit button, narrow, surface mount
TH827-12	Digital 7-day timer, 12Vac/dc
TH827-24	Digital 7-day timer, 24Vac/dc
TH857	Digital 7-day timer, DIN rail mount, 230Vac
TPG1	Relay/timer, 0-15 seconds
VHLD	Delay module for fail safe locks
VHLR	Universal relay

	CA1A	CA1R
MATERIAL	ABS	
MOUNTING	Surface	DIN rail
DIMENSIONS	81 x 56 x 43 mm	
WEIGHT	0.29 kg	0.61 kg
POWER SUPPLY	230 Vac	
CONTACT RATING	n/a	
CONSUMPTION	12Vac output	12 or 24Vac output

1 YEAR WARRANTY

CUSTOMISATION

Custom Build

✔ Height alterations

✔ Provisional cut-out

✔ Additional mounting plates

Finish

✔ Custom RAL colour sprayed

✔ Brushed or shiny

NEXT-DAY DELIVERY

Next-Day Delivery

For instant purchases without modification when ordered before **3:45pm**

Lead Time

✔ 7-10 working days for spraying

✔ 3 weeks for custom-made posts

POSTS

1 YEAR WARRANTY

Range of Reader & Intercom Posts

CDVI offers a range of ready-made posts to complement and optimise any access control or door automation project. Balancing aesthetics and practicality, our posts are suitable for any non-coastal environment.

Posts are an ideal aesthetic mounting solution, with high-grade stainless steel and models covering both lorry and car/wheelchair users as well as pedestrians. The hardened grain finish offers a clean, modern design.

For projects with more focus on practicality, the GNP range of posts is ideally suited for car/lorry parks. Manufactured from steel and powder-coated in a black finish, these models are sturdy and robust.

CDVI's posts are all eligible for next-day delivery. Bespoke posts can also be made on request, with custom RAL colour options.

Contents

GNP | Car- and lorry-height goose neck posts

RPSS | Angled top stainless steel posts, 100mm pole

The GNP series are goose neck posts with mounting plates at car- and lorry-height. They are ideal for mounting readers or intercoms at entrances to car parks, offices, or residential developments. Constructed of high grade steel with a hardened black powder-coat, GNP posts balance aesthetics and practicality in any non-coastal environment.

The RPSS Series are stainless steel posts with an angled top for mounting readers, keypads, intercoms, or exit buttons. Balancing aesthetics and practicality, they complement a wide range of projects in any non-coastal environment. Manufactured in the UK from high-grade stainless steel, the RPSS can be sprayed in any custom RAL colour to suit the needs of your project.
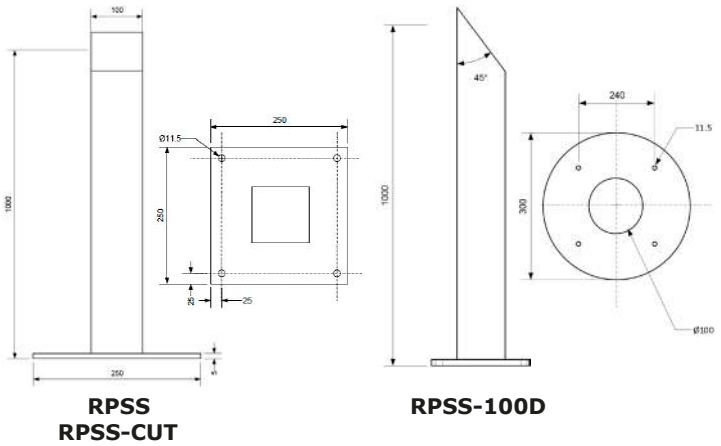
GNP-1C **GNP-1L** **GNP-2CL**

RPSS **RPSS-100D** **RPSS-CUT**

Environment: Suitable for outdoor use in any non-coastal environment

Material: Powder-coated black steel

Usage: Car- or lorry-height

Environment: Suitable for outdoor use in any non-coastal environment

Material: 304 high grade stainless steel

Usage: Ideal for pedestrians

GNP-1C **GNP-1L** **GNP-2CL**

RPSS RPSS-CUT **RPSS-100D**

ACCESSORIES

RELATED PRODUCTS

ACCESSORIES

RELATED PRODUCTS

RAL
Custom RAL colour option for posts and pull handles

GNP-1C-SS
Car-height goose neck post, 304 stainless steel

CDV-91S
2EASY 2-Wire door station, 1 button

BASE-COVER
Cover plate for the base of RPSS series posts

BASE-COVER-100D
Cover plate for the base of the RPSS-100D post

RAL
Custom RAL colour option for posts and pull handles

RTE-SF
Stainless steel exit button, square, flush mount

PRESS
TO EXIT

|	GNP-1C	GNP-1L	GNP-2CL
MATERIAL	Powder-coated steel		
DIMENSIONS	1,000 x 50 x 50 mm	2,100 x 50 x 50 mm	
BASE PLATE DIMENSIONS	250 x 250 x 5 mm		
WEIGHT	7.95 kg	13.11 kg	16.3 kg

	RPSS	RPSS-100D	RPSS-CUT
MATERIAL	High grade stainless steel		
DIMENSIONS	100 x 100 x 1,000 mm	Ø 100 x 1,000 (H) mm	100 x 100 x 1,000 mm
BASE PLATE DIMENSIONS	250 x 250 x 5 mm	Ø 300 x 5 mm	250 x 250 x 5 mm
WEIGHT	8 kg	7.2 kg	7.8 kg

SSP | Car- & pedestrian-height square stainless steel posts

SSP-DDA-CAR

SSP-PED

The SSP are stainless steel posts meeting height specifications for wheelchairs, cars, or pedestrians. Ideal for mounting keypads, readers, or intercoms as part of an access control solution, these posts are made of robust stainless steel and balance aesthetics with practicality. Moreover, they're manufactured in the UK and wherever possible, we deliver them on a next-day basis.
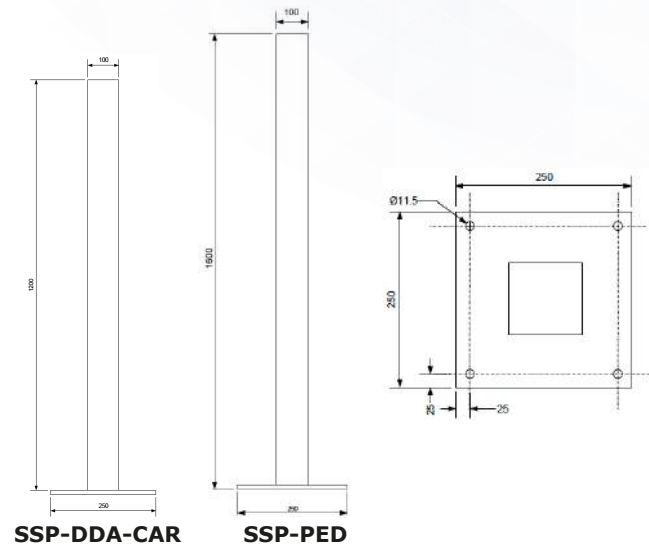
Environment: Suitable for outdoor use in any non-coastal environment

Material: 304 high grade stainless steel

Usage: Pedestrian-, car- or wheelchair-height

SSP-DDA-CAR　**SSP-PED**

ACCESSORIES

BASE-COVER
Cover plate for the base of RPSS series posts

RELATED PRODUCTS

RAL
Custom RAL colour option for posts and pull handles

CDV-96KP
2EASY 2-Wire stainless steel door station with built-in keypad

LISTED PRODUCTS

Reference	Description
BASE-COVER	Cover plate for the base of RPSS series posts
BASE-COVER-100D	Cover plate for the base of the RPSS-100D post
GNP-1C	Car-height goose neck post
GNP-1C-SS	Car-height goose neck post, 304 stainless steel
GNP-1L	Lorry-height goose neck post
GNP-2CL	Dual-height goose neck post
RAL	Custom RAL colour option for posts and pull handles
RPSS	Angled top stainless steel post
RPSS-100D	100mm diameter round stainless steel post
RPSS-CUT	Angled top stainless steel post with UK back-box format cut out
SSP-DDA-CAR	Wheelchair- and car-height stainless steel post
SSP-PED	Pedestrian-height stainless steel post

	SSP-DDA-CAR	SSP-PED
MATERIAL	High grade stainless steel	
DIMENSIONS	1,200 x 100 x 100 mm	1,600 x 100 x 100 mm
BASE PLATE DIMENSIONS	250 x 250 x 5 mm	
WEIGHT	9.65 kg	11.5 kg

2 YEAR WARRANTY

2EASY 2-WIRE OR IP SYSTEM?

2-WIRE

Capacity
Up to 128-way audio and video communication

Wiring
2 wires (optional Ethernet)

Power Supply
12-24V

Network
Operates on its own network

App
Free smartphone app

Integration
Wiegand connection to ATRIUM access control

+ Benefits

Not affected by internet connectivity

Independent cabling

Lower latency levels (immediate communication)

Cost-effective for smaller projects

IP

Capacity
Up to 256 monitors as standard
(up to 8,000 monitors with extension - contact CDVI Support)

Wiring
IP Ethernet

Power Supply
PoE (Power Over Ethernet)

Network
Adds on to existing building networks

App
Free smartphone app

Integration
Connects up to 4 CCTV IP cameras

+ Benefits

Network connectivity

Call divert through mobile phone with WiFi connection

Simple add-on cabling

Larger scalability with limited disruption

VDP CONNECT SMARTPHONE APP

Download VDP Connect on the app store today!

Manage your home from your phone with the **VDP Connect** app. Door station calls divert to the app instantly or after 30 seconds if unanswered at the monitor. See, hear, and grant access to visitors remotely by answering the call and tapping a button to unlock the door.

Download on the App Store

GET IT ON Google Play
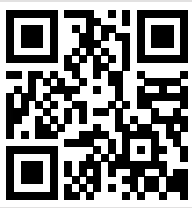
Search: VDP Connect

VIDEO ENTRY

2 YEAR WARRANTY

Residential & Commercial Video Entry Solutions

2EASY is an innovative video door entry system designed to provide a secure and highly reliable solution that's simple to install and easy to operate.

Offering either a simple 2-wire format or an innovative IP format, 2EASY is more flexible and scalable than ever. With its easy PoE connection, the 2EASY IP range can be expanded up to 8,000 networked monitors. Ideal for private residences and apartment blocks, 2EASY integrates seamlessly with ATRIUM access control for a comprehensive entry system.

With no monthly or annual subscription cost and a robust two-year warranty on all 2EASY products, end users benefit from the peace of mind of a trusted and secure system.

Contents

CDV-470DX | 2-Wire WiFi-enabled monitors, black or white

2 YEAR WARRANTY

2EASY

The CDV-470DX is a 7-inch touch screen monitor with picture & video memory. It is part of the 2EASY 2-Wire system. It's quick to install and simple to operate, making it ideal for residential homes or apartment blocks with up to 128 monitors. The WiFi connection allows users to answer calls through the smartphone app and unlock doors remotely (up to 4 door stations with IP interface)*.
* Contact CDVI Technical Support for more information.

-10°C to +50°C

CDV-470DX-B   **CDV-470DX-W**

174 mm

161 mm

22 mm
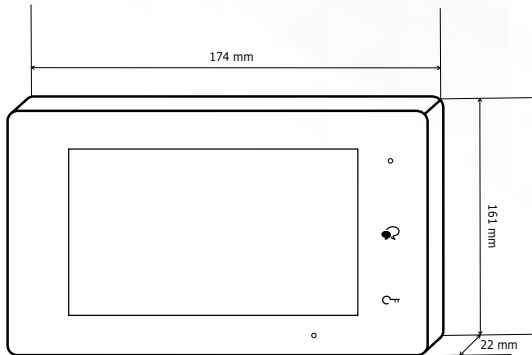
Main/master monitors

Technology: 2-wire non-polarised & touchscreen monitor

WiFi-enabled - answer calls and unlock doors from your smartphone

2-WIRE STANDARD MONITORS, BLACK OR WHITE

2 YEAR WARRANTY

2EASY

These monitors are available in 4.3-inch or 7-inch screen size and in black or white. The TFT monitors include picture/video memory and are compatible with all CDVI door stations. The 2EASY system offers 2-wire non-polarised connection: installation and maintenance are simple and straightforward. Ideal for single residential homes or apartment blocks with up to 128 internal monitors.

-10°C to +50°C

CDV-47B   **CDV-47W**   **CDV-43**

137 mm

226 mm

137 mm   111 mm

17 mm   18 mm
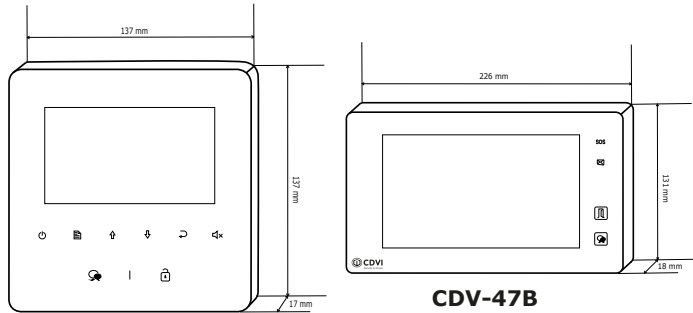
CDV-43   **CDV-47B CDV-47W**

Cost-effecitve master/sub monitors

Technology: 2-wire non-polarised, touchscreen and touch-sensitive buttons

WiFi-enabled - answer calls and unlock doors from your smartphone (CDV-43 only)

ACCESSORIES

CDV-PC9
Power/bus combiner module for 2EASY 2-Wire video door entry systems

CDV-B
2EASY desk stand for monitors, black

RELATED PRODUCTS

CDV-47W
2EASY standard internal monitor, white

CDV-96KP
2EASY 2-Wire stainless steel door station with built-in keypad

ACCESSORIES

CDV-401
Optional audio handset for use with CDV-43 monitor

CDV-PC9
Power/bus combiner module for 2EASY 2-Wire video door entry systems

RELATED PRODUCTS

CDV-470DX-B
2EASY 2-Wire WiFi-enabled monitor, vertical or horizontal mounting, black

CDV-91S
2EASY 2-Wire door station, 1 button

	CDV-470DX-B	CDV-470DX-W
MATERIAL	Plastic	
MOUNTING	Surface, vertical or horizontal	
MOUNTING HEIGHT	145 to 160cm	
TECHNOLOGY	2-wire, no polarity	
MEMORY	512GB through SD Card (not supplied)	
CABLE TYPE	Recommended cable: 16AWG, Belden 8471	
WIRING DISTANCE	Max 80m from power supply	
SCREEN SIZE	7 inches	
SCREEN RESOLUTION	1024 x 600 pixels	
DIMENSIONS	174 x 161 x 22 mm	
WEIGHT	0.56 kg	
POWER SUPPLY	12 - 24 Vdc	
CONSUMPTION	300mA (standby), 7W (in operation)	

	CDV-43	CDV-47B	CDV-47W
MATERIAL	Plexiglass	Plastic	
MOUNTING	Surface		
MOUNTING HEIGHT	145 to 160cm		
TECHNOLOGY	2-wire, no polarity		
MEMORY	n/a	512GB through SD Card (not supplied)	
CABLE TYPE	Recommended cable: 16AWG, Belden 8471		
WIRING DISTANCE	Max 80m from power supply		
SCREEN SIZE	4.3 inches	7 inches	
SCREEN RESOLUTION	420 x 280 pixels	800 x 480 pixels	
DIMENSIONS	137 x 137 x 17 mm	131 x 226 x 18 mm	
WEIGHT	0.29 kg	0.55 kg	
POWER SUPPLY	20 - 28 Vdc		
CONSUMPTION	0.17W (standby) / 4.7W (in operation)	1.25mA (standby) / 29mA (working)	

2 YEAR WARRANTY

2-WIRE DOOR STATIONS WITH 1 BUTTON

2EASY

These single-button external door stations provide a reliable, friendly welcome for visitors. With a built-in camera, microphone, and speaker, they offer a sleek finish for your building entrance. The CDV-96KP also features a built-in touch-sensitive keypad. The 2EASY 2-Wire system offers 2-wire non-polarised connection, ideal for single residential homes or apartment blocks.
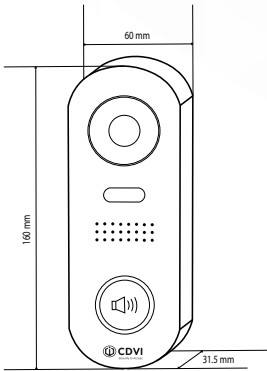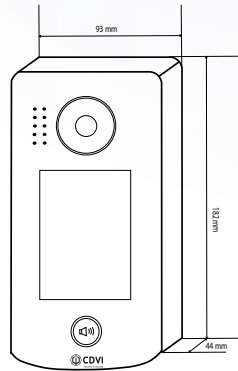
IP44 (CDV-91S) -15°C to +55°C

IP54 (CDV-96KP)

CDV-91S **CDV-96KP**

🔔 **Call buttons:** 1 button

⚙️ **Technology:** 2-wire non-polarised connection

🔑 **Relays:** 1 (1 additional lock output possible with CDV-RLC via monitor)

60 mm / 160 mm / 31.5 mm — **CDV-91S**

93 mm / 182 mm / 44 mm — **CDV-96KP**

ACCESSORIES

CDV-PC9
Power/bus combiner module for 2EASY 2-Wire video door entry systems

CDV-DBC4A
4-way bus distribution unit for 2EASY 2-Wire video door entry systems

RELATED PRODUCTS

CDV-470DX-W
2EASY 2-Wire WiFi-enabled monitor, vertical or horizontal mounting, white

ARU-M
ANSI-style strike, 12Vdc, monitored

	CDV-91S	CDV-96KP
MATERIAL	Stainless steel panel	Stainless steel
MOUNTING	Surface	
TECHNOLOGY	2-wire, no polarity	
USER LIMIT	Up to 4 monitors per flat (1 x CDV-470DX and 3 x CDV-47)	
RELAYS	1 (2 with CDV-RLC module via monitor)	
TIME DELAY	From 1 to 9 sec	
FREQUENCY	n/a	
CABLE TYPE	Recommended cable: 16AWG, Belden 8471	
WIRING DISTANCE	Max 80m from power supply	
DIMENSIONS	160 x 60 x 31.5 mm	182 x 93 x 44 mm
WEIGHT	0.31 kg	0.68 kg
POWER SUPPLY	24Vdc (supplied by CDV-PC7)	
CONSUMPTION	14mA (standby) / 122mA (in operation)	15mA (standby) / 105mA (in operation)

CDV-97 | 2-Wire door stations with proximity reader

2EASY

These are traditional video door stations with built-in proximity reader and 2 megapixel 170-degree colour camera. The CDV-97 come with one, two, or four call buttons and are ideal for residential installations with up to four monitors or apartments. The 2EASY system offers 2-wire non polarised connection, ideal for smaller scale projects.

IP54 -20°C to +55°C

CDV-971ID **CDV-972ID** **CDV-974ID**

🔔 **Call buttons:** 1, 2, or 4 buttons

⚙️ **Technology:** 2-wire non-polarised connection

🔑 **Relays:** 1 (1 additional lock output possible with CDV-RLC via monitor)

90 mm / 176 mm / 27 mm — **CDV-972ID**

90 mm / 176 mm / 27 mm — **CDV-974ID**

ACCESSORIES

CDV-PC9
Power/bus combiner module for 2EASY 2-Wire video door entry systems

CDV-RLC
Relay module for 2EASY 2-Wire video door entry systems

RELATED PRODUCTS

CDV-470DX-B
2EASY 2-Wire WiFi-enabled monitor, vertical or horizontal mounting, black

V5SR
Surface 500kg magnetic lock, monitored, fire rated

	CDV-971ID	CDV-972ID	CDV-974ID
MATERIAL	Zinc alloy		
MOUNTING	Surface		
TECHNOLOGY	2-wire, no polarity & proximity		
USER LIMIT	Up to 4 monitors per flat (1 x CDV-470DX and 3 x CDV-47)		
RELAYS	1 (2 with CDV-RLC module via monitor)		
TIME DELAY	From 1 to 99 sec		
FREQUENCY	125kHz		
CABLE TYPE	Recommended cable: 16AWG, Belden 8471		
WIRING DISTANCE	Max 80m from power supply		
DIMENSIONS	176 x 90 x 27 mm		
WEIGHT	0.68 kg		0.71 kg
POWER SUPPLY	24Vdc (supplied by CDV-PC7)		
CONSUMPTION	800mA (standby) / 3W (in operation)		

2 YEAR WARRANTY

## 2-Wire multi-way door stations with proximity reader

CDV-978ID   **CDV-T5**

2EASY

These multi-way external video door stations manage up to 8 or 32 apartments. Featuring a fisheye camera with 170-degree viewing angle and a built-in proximity reader, these door stations are a flexible solution for apartment buildings and gated communities. With the CDV-T5, all programming is done directly through the touchscreen - no additional software is required.

IP54   -20°C to +55°C
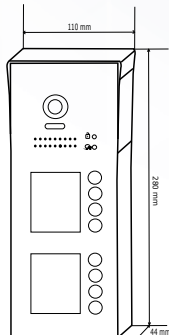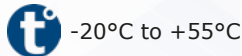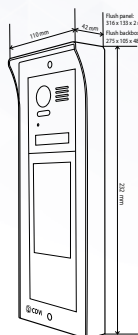
CDV-978ID   **CDV-T5**

Call buttons: 8 buttons or multi-way (call up to 32 apartments or monitors)

Technology: 2-wire non-polarised connection

Relays: 1 (1 additional lock output possible with CDV-RLC via monitor)

CDV-470IP | IP WiFi monitor, white

2EASY

The CDV-470IP is a 7-inch touchscreen monitor that accommodates up to 32 door stations and monitors for a single home and 256 devices for multi-entry apartment blocks. The IP system facilitates connection through PoE, making the 2EASY IP range seamless and easy to use. In addition, the free mobile app allows users to control access from their phone (when connected to an internet router).

-10°C to +50°C

Main/master monitors

Technology: IP port connection

WiFi enabled - answer calls and unlock doors from your smartphone

2 YEAR WARRANTY

ACCESSORIES

CDV-PC9
Power/bus combiner module for 2EASY 2-Wire video door entry systems

CDV-DBC4A
4-way bus distribution unit for 2EASY 2-Wire video door entry systems

RELATED PRODUCTS

CDV-T5F
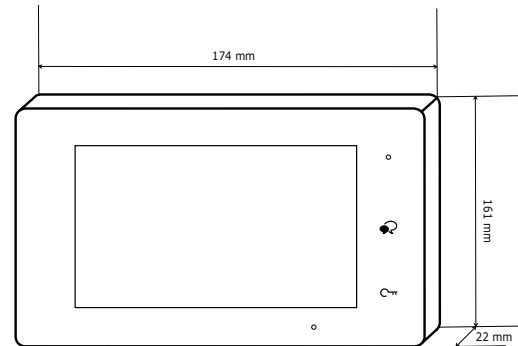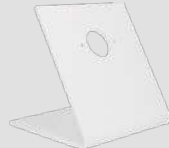2EASY 2-Wire touchscreen video door station, flush mount

CDV-470DX-W
2EASY 2-Wire WiFi-enabled monitor, vertical or horizontal mounting, white

ACCESSORIES

CDV-W
2EASY desk stand for monitors, white

CDV-POE4P
2EASY IP 4-way PoE switch

RELATED PRODUCTS

CDV-91IP
2EASY IP 1-button video door station

C5S11
Entry level surface 500kg magnetic lock, monitored

	CDV-978ID	CDV-T5
MATERIAL	High grade stainless steel	
MOUNTING	Surface	
TECHNOLOGY	2-wire (no polarity), proximity	2-wire (no polarity), MIFARE® Classic & proximity
USER LIMIT	Up to 4 monitors per flat (1 x CDV-47DX and 3 x CDV-47)	Up to 32 monitors, 4 monitors per flat (1 x CDV-47DX and 3 x CDV-47) Expandable to 128 monitors - contact CDVI Technical Support
RELAYS	1 (2 with CDV-RLC module via monitor)	
TIME DELAY	From 1 to 99 sec	
FREQUENCY	125kHz	125kHz / 13.56MHz
CABLE TYPE	2-wire, no polarity, Recommended cable: 16AWG, Belden 8471	
WIRING DISTANCE	Max 80m from power supply	
SCREEN SIZE	n/a	5 inches
SCREEN RESOLUTION	n/a	800 x 480 pixels
DIMENSIONS	280 x 110 x 44 mm	232 x 110 x 42 mm
WEIGHT	0.71 kg	2 kg
POWER SUPPLY	24Vdc (supplied by CDV-PC7)	
CONSUMPTION	800mA (standby) / 3W (in operation)	1W (standby) / 2W (in operation)

	CDV-470IP
MOUNTING	Surface
MOUNTING HEIGHT	145 to 160cm
TECHNOLOGY	IP
MEMORY	512GB through SD Card (not supplied)
CABLE TYPE	Cat5e, Cat6 SFTP Ethernet, shielded RJ45 connectors
WIRING DISTANCE	100 m
SCREEN SIZE	7 inches
SCREEN RESOLUTION	1024 x 600 pixels
DIMENSIONS	174 x 161 x 22 mm
WEIGHT	0.45 kg
POWER SUPPLY	PoE IEEE 802.3af Class 0

IP VIDEO DOOR STATIONS, SURFACE OR FLUSH MOUNT

2 YEAR WARRANTY

CDV-850IP   **CDV-91IP**

Call buttons: 1 button or multi-way (call up to 32 apartments or monitors)

Technology: IP port connection

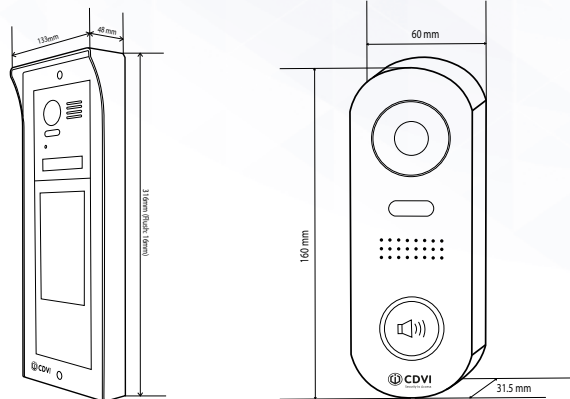**Relays:** 1 (1 additional lock output possible with CDV-IPRLC via monitor)

2EASY

These IP video door stations come in single-button or multi-way configurations and feature a 170º fisheye camera. The CDV-850IP offers a touchscreen menu and a dual-technology RF card reader. The IP system facilitates connection through PoE. In addition, the free mobile app allows users to control access from their phone (when connected to a router).

IP IP54   **t°** -10°C to +50°C

CDV-850IP   **CDV-91IP**

ACCESSORIES

CDV-POE4P
2EASY IP 4-way PoE switch

CDV-IPRLC
2EASY IP relay light control module

RELATED PRODUCTS

CDV-850IPF
2EASY IP touchscreen video door station, flush mount

CDV-470IP
2EASY IP WiFi monitor, vertical or horizontal mounting

2-WIRE 1-WAY VIDEO ENTRY KITS

2 YEAR WARRANTY

CDV-4791SA-DXB

2EASY 2-Wire 1-way video entry kit, black WiFi monitor and 1-button door station

CDV-4791SA-DXW

2EASY 2-Wire 1-way video entry kit, white WiFi monitor and 1-button door station

1-button door station kits include

✓ 1x Door station (CDV-91S)

✓ 1x Black or white monitor

✓ 1x Power/Bus combiner

CDV-4796KPA-DXB

2EASY 2-Wire 1-way video entry kit, black WiFi monitor and 1-button keypad door station

CDV-4796KPA-DXW

2EASY 2-Wire 1-way video entry kit, white WiFi monitor and 1-button keypad door station

Keypad door station kits include

✓ 1x Door station (CDV-96KP)

✓ 1x Black or white monitor

✓ 1x Power/Bus combiner

IP VIDEO ENTRY KIT

CDV-IP1B

IP video entry kit with single-button door station

1-button door station kit includes

✓ 1x Door station

✓ 1x White monitor

✓ 1x 4-way PoE switch

Villa system specifications

✓ 1x Master monitor (CDV-470IP)

✓ 31x Sub monitors (CDV-470IP)

✓ 32x Door stations (CDV-91IP)

	CDV-850IP	CDV-91IP
MATERIAL	Stainless steel	
MOUNTING	Surface	
TECHNOLOGY	IP, MIFARE® Classic & proximity	IP
USER LIMIT	Up to 256 IP addresses	Up to 32 monitors
RELAYS	2	1
TIME DELAY	From 1 to 99 sec	
FREQUENCY	125kHz / 13.56MHz	n/a
CABLE TYPE	Cat5e, Cat6 SFTP Ethernet, shielded RJ45 connectors	
WIRING DISTANCE	100 m	
SCREEN SIZE	5 inches	n/a
SCREEN RESOLUTION	800 x 480 pixels	n/a
DIMENSIONS	281 x 110 x 44 mm	160 x 60 x 31.5 mm
WEIGHT	1 kg	0.31 kg
POWER SUPPLY	PoE IEEE 802.3af Class 0	

2-WIRE MODULES

CDV-ACCS

2EASY 2-Wire addressable Wiegand signal converter

-10°C to +40°C

CDV-BDU

2EASY 2-Wire branch controller for multi-way systems 32 to 128 monitors.

-15°C to +55°C

CDV-DBC4A

4-way bus distribution unit for 2EASY 2-Wire video door entry systems

-10°C to +40°C

CDV-DBC4R

High power Bus distributor for 2EASY 2-wire multi-way systems using more than 8 x CDV-470DX monitors

-10°C to +40°C

CDV-PC9

Power/bus combiner module for 2EASY 2-Wire video door entry systems

-10°C to +50°C

CDV-RLC

Relay module for 2EASY 2-Wire video door entry systems

-10°C to +40°C

IP MODULES

CDV-IPRLC

2EASY IP relay light control module

-10°C to +40°C

CDV-POE8P

2EASY IP 8-way PoE switch

CDV-POE4P

2EASY IP 4-way PoE switch

LISTED PRODUCTS

| Reference	Description
CDV-401	Optional audio handset for use with CDV-43 monitor
CDV-43	2EASY 2-Wire 4.3" internal monitor, white
CDV-470DX-B	2EASY 2-Wire WiFi-enabled monitor, vertical or horizontal mounting, black
CDV-470DX-W	2EASY 2-Wire WiFi-enabled monitor, vertical or horizontal mounting, white
CDV-470IP	2EASY IP WiFi monitor, vertical or horizontal mounting
CDV-47B	2EASY standard internal monitor, black
CDV-47W	2EASY standard internal monitor, white
CDV-850IP	2EASY IP touchscreen video door station, surface mount
CDV-850IPF	2EASY IP touchscreen video door station, flush mount
CDV-91IP	2EASY IP 1-button video door station
CDV-91S	2EASY 2-Wire door station, 1 button
CDV-96KP	2EASY 2-Wire stainless steel door station with built-in keypad
CDV-971ID	2EASY 2-Wire door station, 1 button, with built-in proximity reader
CDV-972ID	2EASY 2-Wire door station, 2 buttons, with built-in proximity reader
CDV-974ID	2EASY 2-Wire door station, 4 buttons, with built-in proximity reader
CDV-978ID	2EASY 2-Wire door station, 8 buttons, with built-in proximity reader
CDV-ACCS	2EASY 2-Wire addressable Wiegand signal converter
CDV-B	2EASY desk stand for monitors, black
CDV-BDU	2EASY 2-Wire branch controller for multi-way systems 32 to 128 monitors.
CDV-DBC4A	4-way bus distribution unit for 2EASY 2-Wire video door entry systems
CDV-DBC4R	High power Bus distributor for 2EASY 2-wire multi-way systems using more than 8 x CDV-470DX monitors
CDV-IPRLC	2EASY IP relay light control module
CDV-PC9	Power/bus combiner module for 2EASY 2-Wire video door entry systems
CDV-POE4P	2EASY IP 4-way PoE switch
CDV-POE8P	2EASY IP 8-way PoE switch
CDV-RLC	Relay module for 2EASY 2-Wire video door entry systems
CDV-T5	2EASY 2-Wire touchscreen video door station, surface mount
CDV-T5F	2EASY 2-Wire touchscreen video door station, flush mount
CDV-W	2EASY desk stand for monitors, white
UKC8471	16AWG cable recommended for use with 2EASY 2-Wire

AVAILABLE KITS

Reference	Description
CDV-4791SA-DXB	2EASY 2-Wire 1-way video entry kit, black WiFi monitor and 1-button door station
CDV-4791SA-DXW	2EASY 2-Wire 1-way video entry kit, white WiFi monitor and 1-button door station
CDV-4796KPA-DXB	2EASY 2-Wire 1-way video entry kit, black WiFi monitor and 1-button keypad door station
CDV-4796KPA-DXW	2EASY 2-Wire 1-way video entry kit, white WiFi monitor and 1-button keypad door station
CDV-IP1B	IP video entry kit with single-button door station

CDVI
Security to Access

Today, CDVI has grown in many directions from manufacturing only keypads and power supplies. We now make locking devices, online and standalone access control, door automation, intercoms, and a wide range of accessories.

The Group consists of four R&D offices, three main manufacturing plants, and eleven sales offices around the world, on four continents. The Group has grown through opening subsidiaries in new countries, as well as by acquiring other companies.
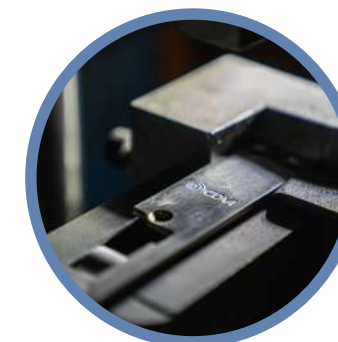
1985	1998	1999	2000	2001 2002	2004	2005	2006	2007	2018 2020	2022	2024
Creation of CDVI	Revolution of locking by creating the first pull handles on the market	Acquisition of Digicode®, opening of CDVI UK (first expansion)	Acquisition of CDVI Wireless (R&D office for radio products)	Opening of CDVI Italy & CDVI Sweden	Opening of CDVI Electronics, acquistion of CDVI Metal	Opening of CDVI Americas (R&D office for online access control) & CDVI China	Acquisition of CENTAUR®, bringing CDVI into the online access control market segment	Opening of CDVI Benelux & CDVI Iberica, formalisation of CDVI Group	Opening of CDVI Poland, opening of CDVI Germany, acquisition of ievo (UK Biometrics)	Acquisition of JIS (Spanish Locking)	Acquisition of SMARTLOXX (German Locking), acquisition of SERSYS (French Locking)

CDVI

www.cdvi.co.uk

+44 (0) 1628 531 300

Unit B1, Knaves Beech Business Centre, Davies Way
HP10 9QR, High Wycombe, Buckinghamshire
United Kingdom (GB)