

AUTOMATION CATALOGUE 2020

GATE AUTOMATION,
GARAGE DOOR AUTOMATION,
INDUSTRIAL CLOSURE AUTOMATION,
AUTOMATIC BARRIERS
AND TURNSTILES

CAME 

[CAME.COM](https://www.came.com)

CAME 

GENERAL INDEX AND LEGEND OF SYMBOLS



NEWS 2020



This operator is tested in conformity with EUROPEAN STANDARDS on impact forces



Gearmotor or operator with ENCODER



The 24 or 36 V DC gearmotors are designed for INTENSIVE DUTY and are guaranteed to work even during power outages. This icon also means that a product is powered by low voltage.



This product is designed to fit the RIO System 2.0-series, 806SS-0040 snap-in card.



The 230 – 400 V AC TRI-PHASE versions are ideal for INDUSTRIAL use as they guarantee greater gearmotor starting thrust



This product features BRUSHLESS technology



This CORDLESS product is battery-powered and wireless



This WIRELESS product is battery-powered and operates with radio technology



Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY

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WE SPEAK ABOUT QUALITY LIVING, IN ALL OF THE WORLD'S LANGUAGES.

CAME has catered to people's needs for over 60 years by using technology as a key to a quality life. Every project drives our innovation and focus to make people's lives as comfortable as possible. CAME is a company where skills and experience come into play. Its know how blends functionality and design continuously improving performance.

You are sure that you can rely on professionals able to transform our innovations into solutions, to create customized automation proposals integrated with the best connectivity and mobility technologies. CAME and its partners, together, to satisfy its increasingly demanding and heterogeneous customers for their culture and needs, in order to transform living spaces into more intelligent and safe places.



ALWAYS ONE-STEP-AHEAD

CAME is a market-leading brand that makes integrated automation solutions, video-entry, access control and parking systems for the public and private sectors. The CAME Group boasts a series of highly specialized companies. Together they cover a large share of their market. The group delivers cutting-edge solutions for the residential, business and urban segments. Whether its home automation or heating control, road barriers and high-security bollards, or automatic doors and sectional industrial doors, CAME Group is a key player. Today CAME is set on one distinct corporate vision, which makes the organization a cutting-edge technological partner.

CAME  BPT

CAME  PARKARE

CAME  URBACO

CAME  GO

CAME  BTECH

CAME  ÖZAK

RESIDENTIAL SOLUTIONS



BUSINESS SOLUTIONS



RESIDENTIAL SOLUTIONS



RESIDENTIAL SOLUTIONS

We have gone beyond the simple idea of Home Automation, and taken the concept full circle. Now every device is fully integrated and connected into a system that improves people's lives. Today, we believe automation is at the heart of everything: to handle entrances and blinds, to control awnings and shutters, plus video intercom-entry systems, and burglar alarms.

BUSINESS SOLUTIONS

For every public venue, our offer provides the most sophisticated systems for controlling accesses and the most evolved solutions for burglar systems, video-intercom entry panels and barriers for parking facilities. Small and large companies, commercial enterprises, large buildings: CAME-branded Building-Automation operators provide control and safety in both small and large working environments.

RESIDENTIAL SOLUTIONS

Our offer is geared to meet the different automation needs for urban planning and architectural scenarios. CAME solutions are engineered for managing safety and control in large works and for contributing to the planning of urban spaces so as to make them "Safe and Smart", as called for in today's fast-paced, metropolitan centres.

CAME GLOBAL OFFER



AUTOMATIONS

- Gate automations
- Garage doors automations
- Industrial door automations



AUTOMATIC BARRIERS

- Automatic barriers for parking facilities and tolls
- Automatic barriers for home or industrial use



PARKING SYSTEMS

- Off-street parking solutions
- On-street parking solutions



BOLLARDS AND ROAD BLOCKERS

- Bollards to regulate vehicle flow
- High security bollards and road blockers



TURNSTILES AND SPEED GATES

- Turnstiles
- Speed gates
- Access control software





AUTOMATIC DOORS

- Sliding and swing doors



VIDEO ENTRY SYSTEMS

- Video entry systems
- Audio entry systems



HOME CONTROL SOLUTIONS

- Temperature management devices
- Burglar alarm systems
- Home automation



SHUTTERS AND BLINDS SOLUTIONS

- Automatic shutters, blinds and awnings
- Automations for rolling shutters



SECTIONAL DOORS

- Garage doors
- Industrial doors



OUR WORLDWIDE NETWORK.

CAME Group operates the world over.

From its Treviso head office, home to the group's thriving core, CAME coordinates seven manufacturing plants and six R&D units. The group has branches in 21 countries and thanks to its business partners and distributors, it has operations in 118 countries.

The complexity involved in living spaces and in mobility flows require ever greater protection and security, plus enhanced reactive capacity and greater know-how that embrace an integrated and global vision of the world.

CAME is the technology partner for those projects that require integrated systems for improving the quality of our living space - whether private or public. Our products are made for controlling homes, managing urban venues and workplaces, of any kind, anywhere in the world.

The Group shares common goals, which go beyond single specializations. Thanks to the synergies among all the divisions and brands, CAME shares an operating approach that enriches in diversity.

BRANCHES AMERICAS

Brazil
Chile
Mexico
Perù
USA



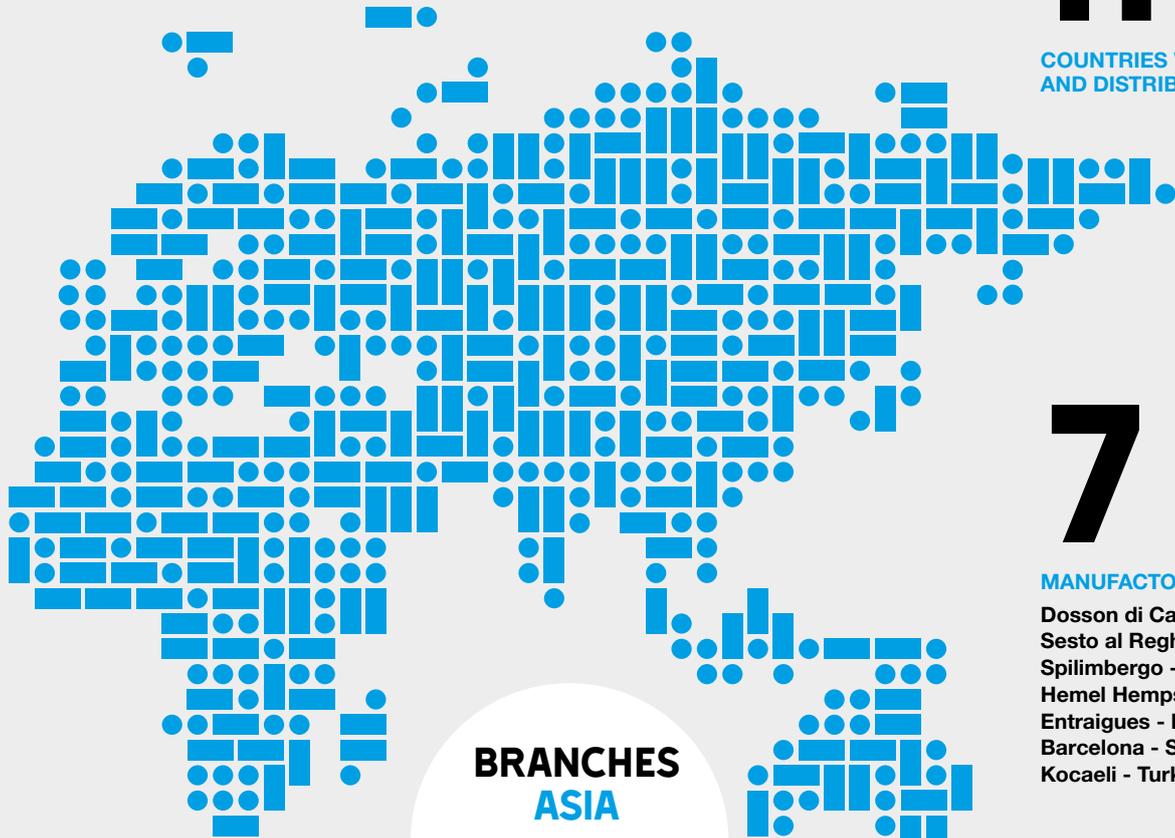
1700

OUR EMPLOYEES AROUND THE WORLD

CAME HQ
Treviso, Italy

BRANCHES EUROPE

Italy	Poland
Belgium	Portugal
Croatia	Russia
France	Spain
Germany	UK
Ireland	Turkey
Netherlands	



BRANCHES ASIA

India
UAE

BRANCHES AFRICA

South Africa

6

R&D CENTRES

21

COUNTRIES WITH DIRECT BRANCHES

118

COUNTRIES WITH PARTNERS AND DISTRIBUTORS

7

MANUFACTURING PLANTS

- Dosson di Casier - Italy
- Sesto al Reghena - Italy
- Spilimbergo - Italy
- Hemel Hempstead - UK
- Entraigues - France
- Barcelona - Spain
- Kocaeli - Turkey

!

480

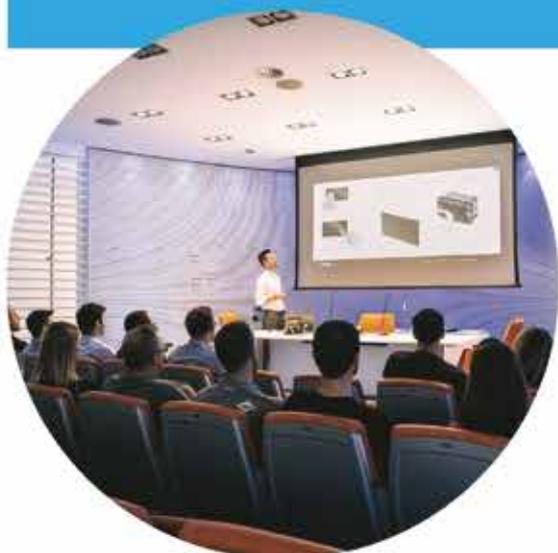
WORLDWIDE DISTRIBUTORS AND PARTNERS

TRAINING THAT MAKES A DIFFERENCE.

CAME TRAINING TEAM

Professionals have a tough job, which always requires upgrading and updating. Technical and product developments are not the only issues; the keys to success are a deep regulations knowledge and a strong relationship with customers, that are always more demanding for efficient services.

CAME proposes a series of initiatives geared for spreading knowledge about its products and services to let installers remain updated on new technologies and applicable laws and regulations. Our courses are extremely practical, giving our participants hands on knowledge which they can immediately apply.



A TEAM OF PROS

CAME offers to installers its own team of trainers, composed by technicians specialized in each product lines. All the trainers are internal staff members with great know-how and experience on projects, sales and technical issues. Each course provides the attending professionals with all is necessary for their job, so they can stay abreast of the latest market developments.





FOR INFORMATION AND REGISTRATION:



Send your request to traininginternational@came.com

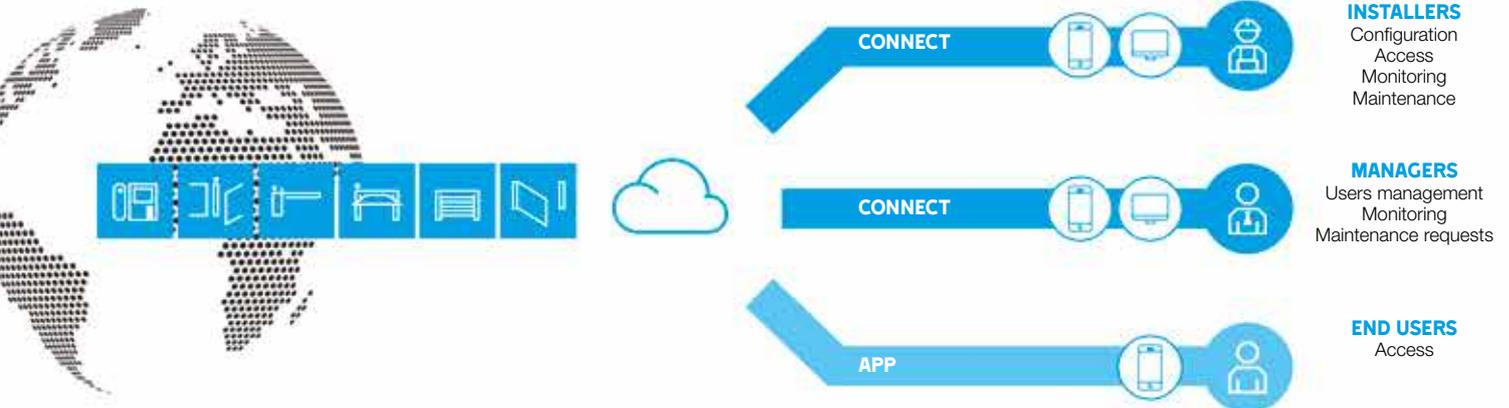


Call for more information at +39 0422 15 69 511 during business hours.

Upon request, CAME will design and deliver courses, tailored around your needs, by setting up the learning path, course schedule and locations.

CONNECT

THE NEW TECHNOLOGY



CONNECT is the CAME technology that allows to manage operators that improve the quality of life. The operators connected over the Internet offer added value for the user and open up new horizons for the installer's business.

Presented in 2015 and used by thousands of installers worldwide, CONNECT is now even more practical, more performing and more secure.

CAME has chosen to develop internally the technologies necessary to manage data flow and protection. No external agency processes the information, no server is located in remote locations around the world. An innovative technological heart, to ensure high security and reliability. CAME has invested in research and development with the aim of simplifying the installer's work, improving user experience and offering new digital services.



All products marked by the new blue icon use **CONNECT** technology. They are designed for local and remote digital control and make all advanced services available through the Internet connection.

CONNECT MEANS

CONNECTION
to Internet via CAME gateways

COMPATIBILITY
with new quick-plug gateways

CONFIGURATION
and setup from smartphone with CAME KEY

CONTROL
by the user through Apps

CONNECT FOR INSTALLERS

Connected operators can be managed remotely via PC or smartphone. The CONNECT platform enables automatic programming via QR code of the radio controls, their remote insertion or deletion, without having to be near the operator.

A portal is also available for the management of customers and installed systems and scheduled maintenance, for monitoring the status of devices with receipt of notifications in real time.

CONNECT allows the installer to offer a complete 24/7 service becoming the trusted partner for his customer.

CONNECT FOR MANAGERS

Essential for the condominium administrator, building manager or the system owner, the CONNECT platform allows to enable the accesses and program the remote controls.

The system administrator can also monitor the operator status and receive notifications in the event of malfunctions, if any.

It can send on-site service requests to the installer or enable remote diagnosis.



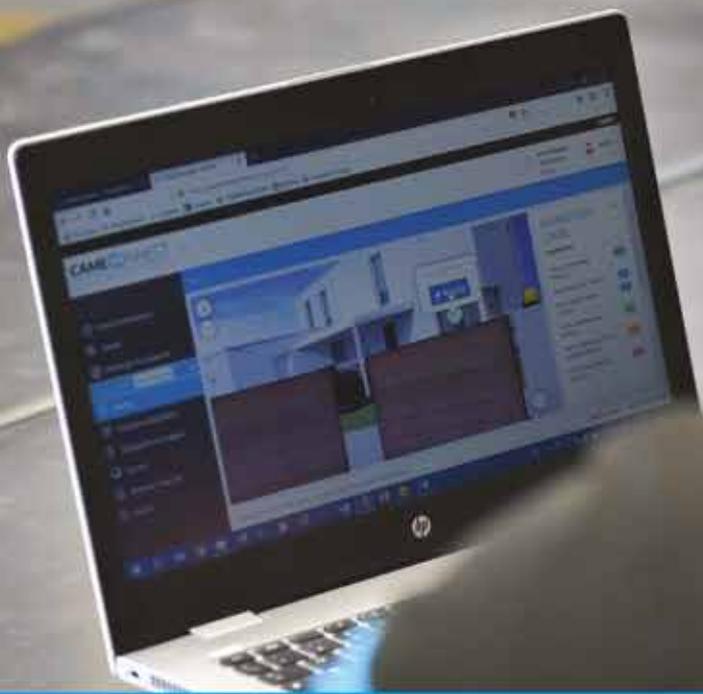
PC PLATFORM

came.com/connect



SMARTPHONE APPS

Connect SetUp



CONNECT FOR END USERS

Through the free Apps that can be installed on any Android or iOS smartphone, the user can control the devices remotely. The App Automation allows to control all connected operations with a single smartphone, through simple and intuitive commands.

Thanks to the geolocation function, it also allows to set the automatic opening and closing, based on a customizable proximity radius.

HOW IT WORKS

To enable CONNECT services, each operator must simply be equipped with a CAME gateway. The gateways can in turn operate as radio repeaters, to connect up to 5 additional operators on which a SLAVE module is installed.

DATA CONNECTION

The operator is connected to the Internet via an existing network, using a gateway with Ethernet cable or Wi-Fi technology.



GSM CONNECTION

The operator is connected to the Internet independently, through the mobile network, using a gateway equipped with a SIM card.



All GATEWAYS on page 274

CAME KEY FOR AN EVEN SIMPLER INSTALLATION.

CAME KEY is the new working tool designed to streamline installation, programming and management of automated operators. By exploiting the WiFi communication between CAME KEY and smartphones, the device serves as an interface between the control board and the Connect SetUp APP, allowing you to access the control panel functions to adjust the system's parameters.

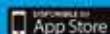
CAME KEY reduces job times when operators are installed in hard-to-get places, and, allows installers to do the all of the following:

- Update firmware on the control board for new features.
- Manage all operator parameters, which are organized by type.
- Check maneuvers for scheduled maintenance.
- Duplicate radio-frequency controls via QR code.



CAME KEY is compatible with all products marked with this symbol:

Download the App from:



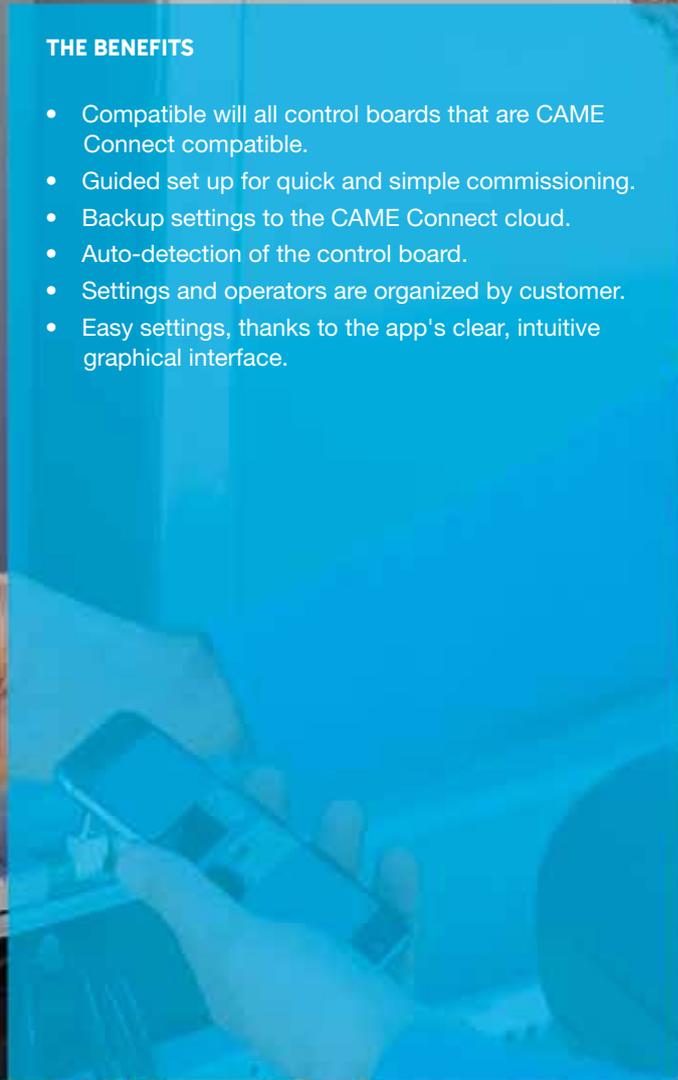


DESCRIPTION:
WIFI INTERFACE TO SET UP OPERATORS

CODE:
806SA-0110

THE BENEFITS

- Compatible with all control boards that are CAME Connect compatible.
- Guided set up for quick and simple commissioning.
- Backup settings to the CAME Connect cloud.
- Auto-detection of the control board.
- Settings and operators are organized by customer.
- Easy settings, thanks to the app's clear, intuitive graphical interface.



IN THE VALUE OF ACTIONS, THE DRIVE TO IMPROVE, ALWAYS. QUALITY INSIDE.

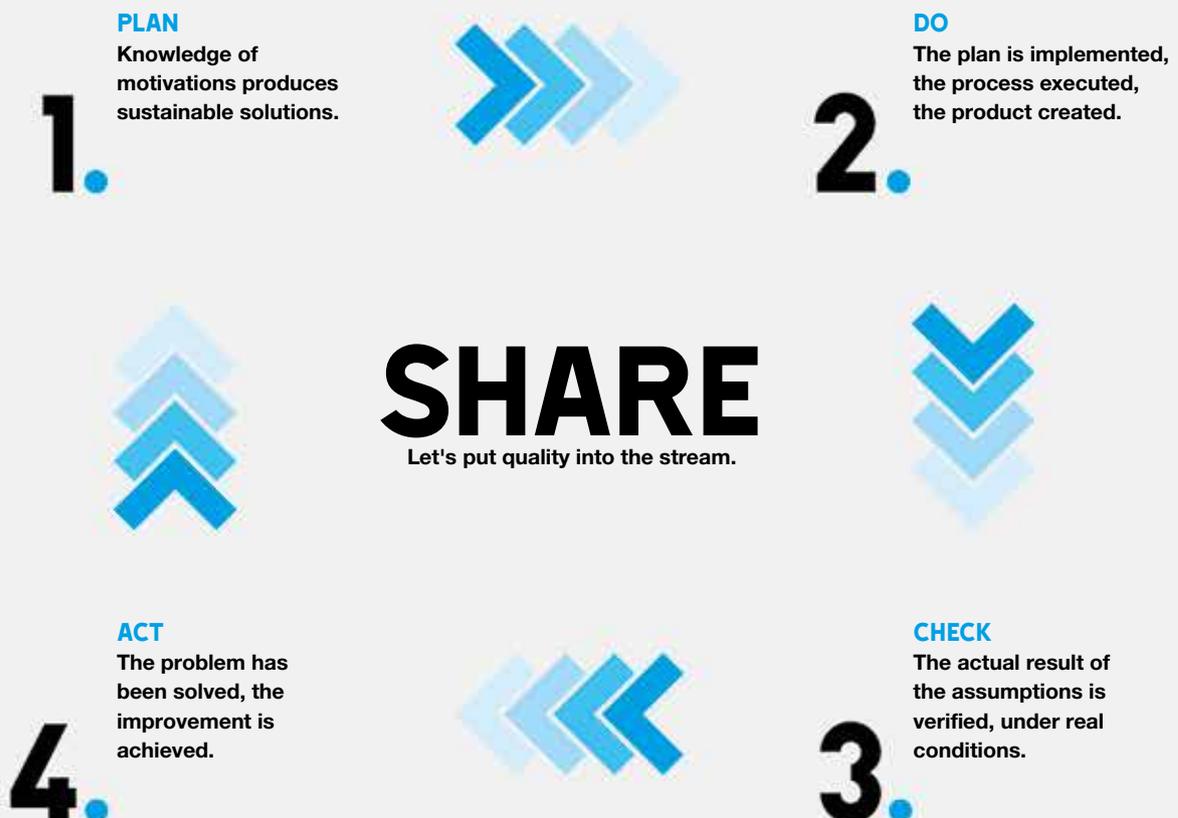
CAME's working methodology is based on the continuous improvement of production processes, security and relationships, but a great result can only be achieved if we all work in the same direction.

Q.I. comes from this awareness. - QUALITY INSIDE - a project that aims at involving CAME women and men and the professionals who use our products as a fundamental tool of their business.

The objectives are clear: we want to raise all the standards of production systems and make quality a widespread and shared value. To the traditional four phases that characterize all the production processes, Q.I. adds a continuous sharing process of the results obtained that aims to spread the positive practices and replicability of the standards achieved.

An evolution process that takes shape in a new culture of quality: not only the guiding principle of each action, but the yardstick by which to measure its effectiveness.

This scenario brings life to an organizational structure that makes for constant, fruitful and open dialogue among the fundamental areas of the CAME system:
Engineering - Production - Service.





SERVICE



ENGINEERING



TESTING ONE BY ONE



PRODUCTION

We implement a production model that allows to digitize each phase, integrating a complete testing methodology that involves 100% of our products and ensures product traceability and continuous improvement through constant monitoring of KPIs. In this context, Assistance and an always active Call Center service are of fundamental importance, as they allow us to increase our quality standards and to guarantee Customer Quality.



Find out more
www.came.com/qi





ATS

THE UNIVERSAL TELESCOPIC OPERATOR FOR SWING GATES



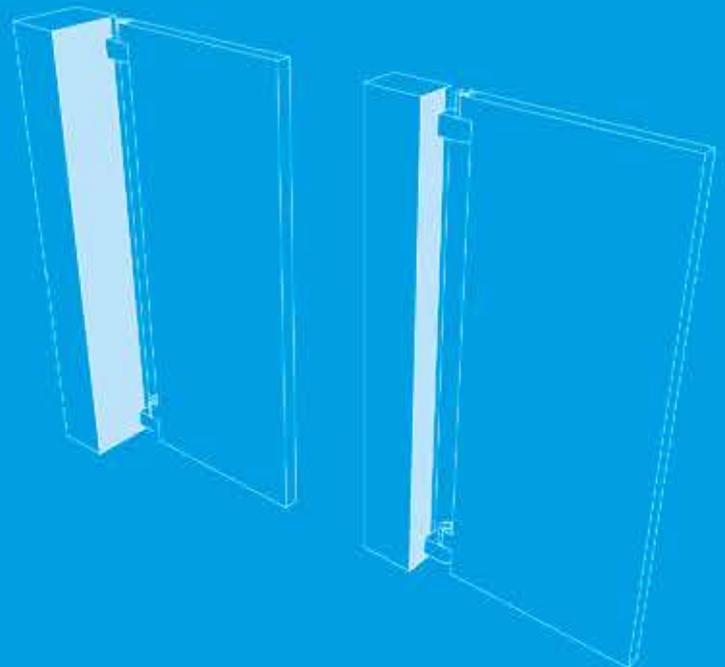
TECHNOLOGY AND REFINED LINES

ATS combines advanced performance with the need for a refined design. Thanks to the axial transmission, the motor body does not protrude from the frame, for a slender and elegant shape. Furthermore, the bevel gear system allows smooth and silent movement.



C MAX. 200 mm

ATS is the universal solution, ideal for both small or large residential settings. It is a very versatile operator and thanks to the telescopic extension it is able to adapt perfectly to the different "depths" of the posts.



RESISTANT AND RELIABLE

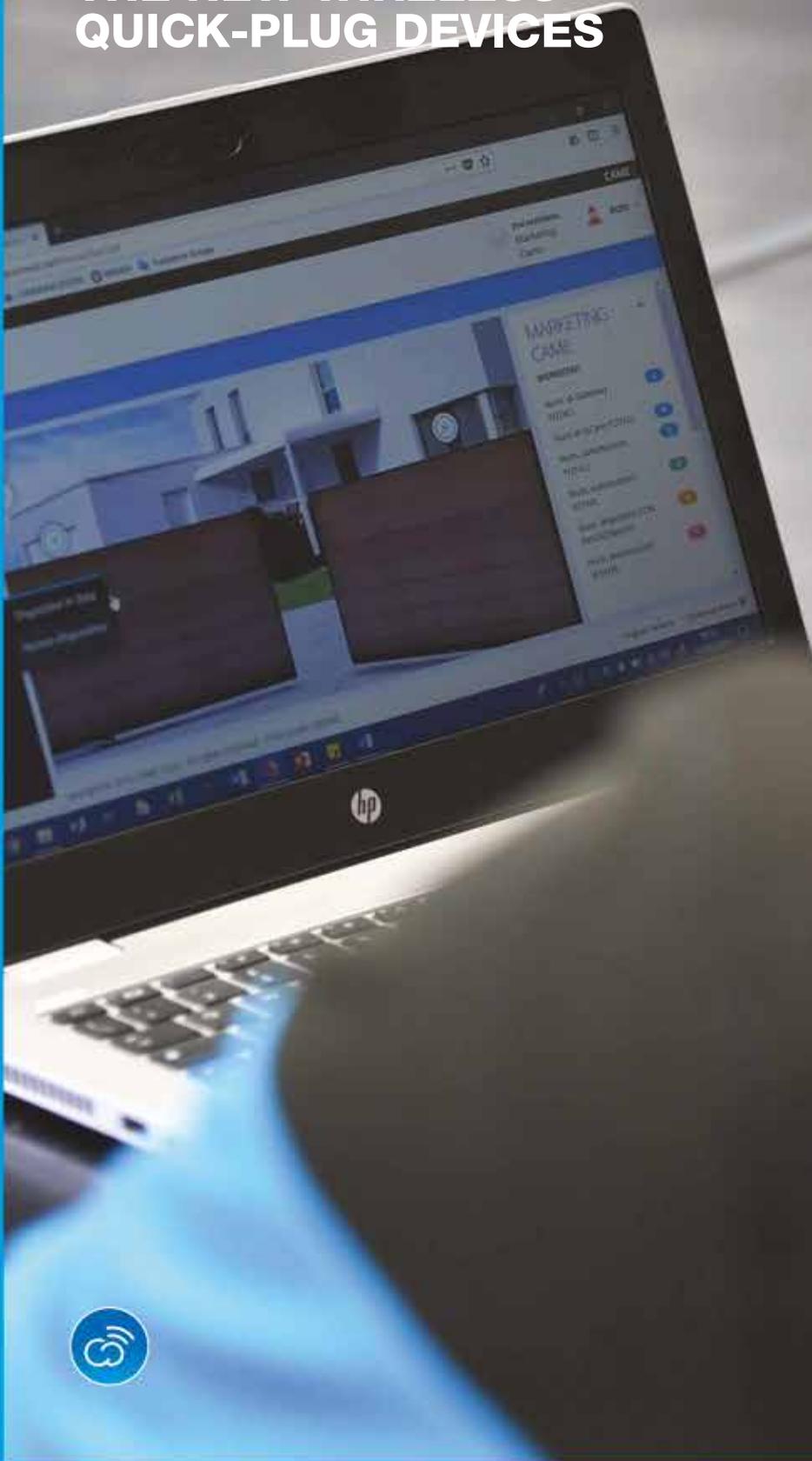
ATS uses components and materials of the highest quality to ensure high electronic and mechanical performance.

The telescopic steel arm is protected by an aluminium casing that provides strength and resistance to atmospheric agents.



GATEWAY

THE NEW WIRELESS QUICK-PLUG DEVICES





GATEWAY FOR CONNECTING TO CAME CLOUD

806SA-0140 is the device that enables two different connection modes. It is possible to change from Wi-Fi to Bluetooth mode during installation, simply pressing the selection button.

WI-FI

It connects to any router to access the Internet and enable all the functions made available by the CAME cloud including the Connect services.

BLUETOOTH

If there is no Wi-Fi network, it is possible to control the operator locally, using a smartphone, as an alternative to the traditional remote control. It can replace the Bluetooth digital switch.



SLAVE MODULE FOR CONNECTION TO RADIO GATEWAYS

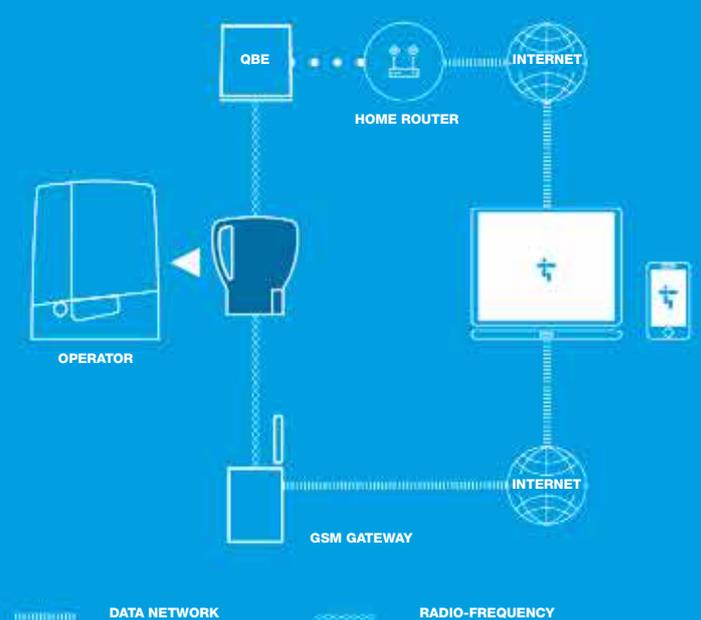
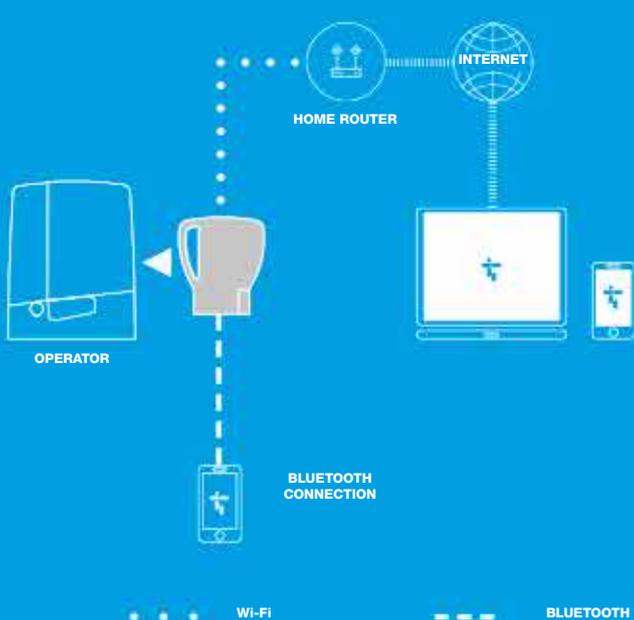
806SA-0150 is the device that allows to connect the operators to a radio gateway, without using cables. An innovative slave module that works in combination with:

GSM GATEWAY

The slave module connects via radio to enable all the functions made available by the CAME cloud including Connect services.

QBE GATEWAY

The slave module connects via radio to enable the operator remote control and monitoring.





TTS

DESIGN AND STYLE



ENTIRELY MADE IN ITALY

TTS is built entirely in Italy to guarantee the highest quality. The remote control ergonomics and ease of use, as well as its radio code high security, is achieved from the materials and technological solutions used. Equipped with a removable compartment for easy replacement of batteries.



433.92 - 868.35 MHZ ROLLING CODE AND FIXED CODE

The remote control is available in the 4-channel Rolling Code version which ensures maximum protection against the possibility of code cloning, and with the new fixed code coding for the protected duplication of CAME radio controls.

COMPATIBLE WITH CAME RADIO CONTROLS

TTS can be used on existing plants, simply by transferring the code. Compatible with 433.92 MHz series: TOP, TWIN, TOP FIXED CODE.



TOP 433.92 MHZ



TWIN



TOP FIXED CODE

European Standards

EN 12453 - EN 12445



Standards EN 12453 and EN 12445 specify the compliance and safety requirements for automatic closing systems that could come into contact with people.

They define all of the technical solutions for securing users' systems.

THE SYSTEM CAN BE

- **IN PRIVATE AREA (fenced off)**
- **IN A PUBLIC AREA** or bordering with a public area despite being in a private area.

USERS CAN BE

- **TRAINED**

Users are trained when they are instructed on how to use the operator. Trained users typically work operators fitted on private property.

- **UNTRAINED**



THE COMMAND CAN BE

- **NON SELF-LOCKING** (maintained action – man present).

The operator is activated only thanks to automatically resetting buttons or selectors (for example, to activate an operator, you press a button. When the button is released, the operator stops). The operator is in full view of the user.

- **SENDING IMPULSES WITH SYSTEM CONTROL FROM A FIXED STATION.**

The command must be impulse-type and sent from a fixed position from which the system can be controlled. The button must not be self-locking, that is, without automatically resetting button or selector.

- **RADIO-FREQUENCY CONTROL** (sending impulses without control of the system from a fixed station).

Each impulse corresponds to a function (open, close, stop, etc.).

- **AUTOMATIC** (impulses).

Each impulse sent corresponds to a maneuver cycle and not to a single function (open, close).



Safety

THE FRAMEWORKS PRESCRIBED BY EUROPEAN STANDARDS EN 12453 - EN 12445

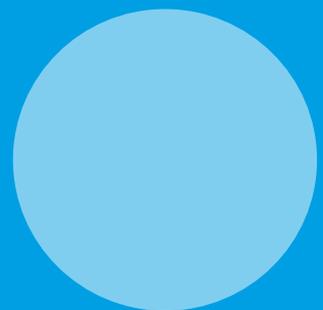
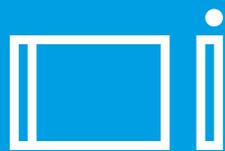
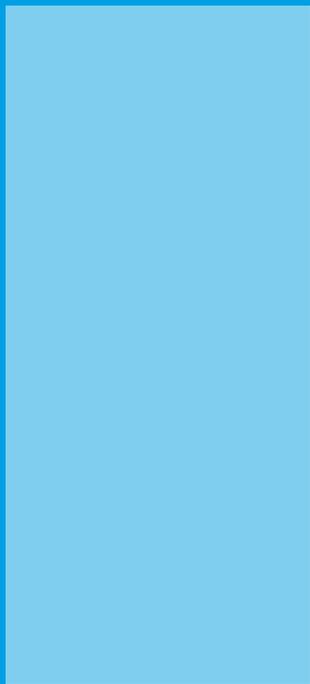
THE SYSTEM AND THE USER	THE COMMAND			
	With no self-locking	Sending impulses with system control from a fixed station	Sending impulses with no control of the system from a fixed station (radio control)	Automatic (impulse based)
PRIVATE area TRAINED user	A	C	C	C + D
PRIVATE area UNTRAINED user	C	C	C + D	C + D
PUBLIC area TRAINED user	B	C	C + D	C + D
PUBLIC area UNTRAINED user	-	C + D	C + D	C + D

THE SAFETY DEVICES REQUIRED BY EUROPEAN STANDARDS EN 12453 - EN 12445

- A** **Operator present** (with automatically resetting control device).
- B** **Operator present** (with manual resetting of the control device).
- C** **Mechanical and electronic devices, that is, sensitive safety-edges and encoders respectively.** Check compliance with maximum impact force regulatory standards. These standards are defined in the reference Technical Standards.
- D** **Infrared-beam photocells** for detecting any obstruction in the operator's range of action.



SLIDING GATE AUTOMATION



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54	BXV - 8K01MS-004 KIT
55	BX - 001U2914ML KIT
56	BX - 001U2303ML KIT
57	BK - 001U2813 KIT
58	BK - 001U2826 KIT

Selection guide

Sliding gate operators

The table summarizes the series and models with their maximum operating limits according to the weight and length of the gate leaf.

Series	Model	Max. weight per leaf (kg) / Max. length per leaf (m)
BXL	801MS-0140	400 / 10
BX	801MS-0020	400 / 14
BXV	801MS-0150	400 / 14
BXV	801MS-0160	400 / 14
BXV	801MS-0180	600 / 18
BXV	801MS-0190	600 / 18
BXV	801MS-0380	600 / 18
BX	801MS-0030	800 / 14
BXV	801MS-0210	800 / 20
BK	801MS-0070	800 / 20
BXV	801MS-0230	1000 / 20
BXV	801MS-0250	1000 / 20
BXV	801MS-0390	1000 / 20
BK	801MS-0080	1200 / 20
*BKV	801MS-0300	1500 / 20
*BKV	801MS-0350	1500 / 20
BK	801MS-0090	1800 / 20
*BKV	801MS-0310	2000 / 20
*BKV	801MS-0360	2000 / 20
BK	801MS-0100	2200 / 20
BK	801MS-0120	2200 / 20
BK	801MS-0130	2200 / 23
*BKV	801MS-0320	2500 / 20
*BKV	801MS-0370	2500 / 20
BY-3500T	BY-3500T	3500 / 17

● 230 V AC ● 24 V DC HEAVY DUTY ● 230 – 400 V AC TRI-PHASE
*CONTINUOUS DUTY



**SLIDING GATES
RIGHT OR LEFT OPENING**

All automated operators for CAME sliding gates are designed to be fitted on the left.
To fit on the right, invert the motor phases and the limit-switch connection, as shown in the installation manual.



PAIRED OPENING

CAME's range of sliding gates lets you install two counterposed gearmotors.



INDUSTRIAL APPLICATION

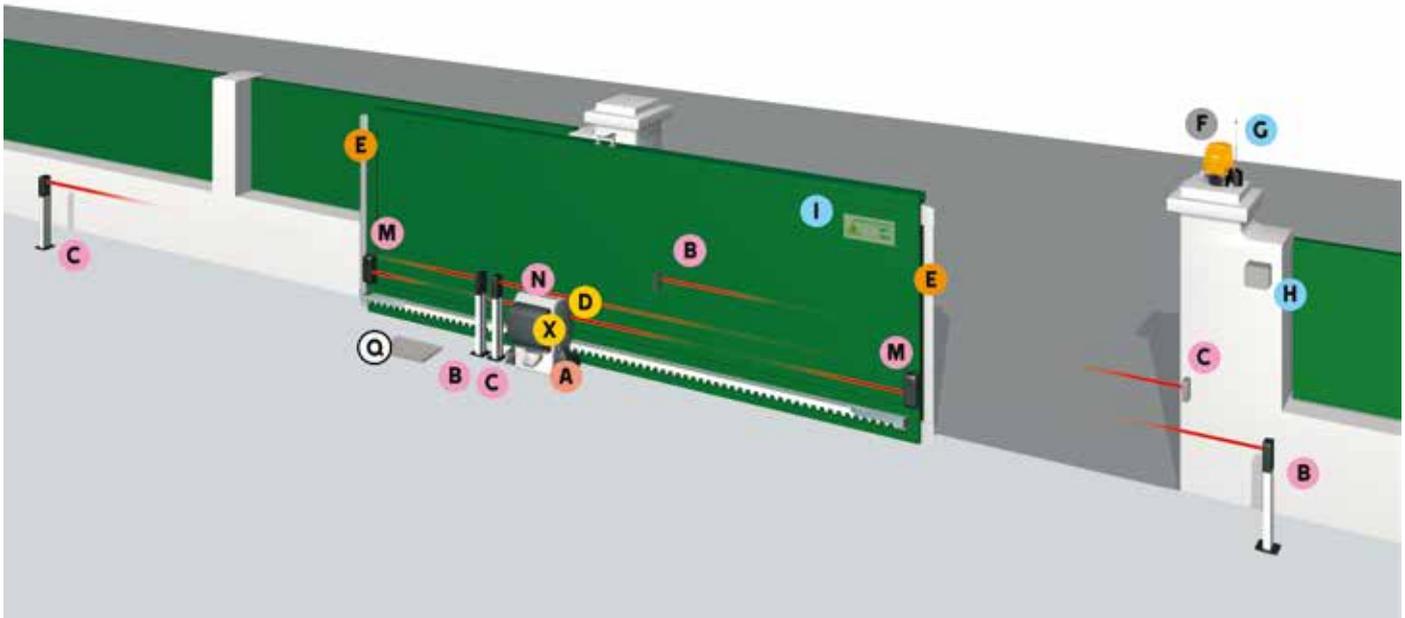
In industrial facilities, where tractor trailers, 18-wheel trucks and forklifts pass through, it is always advisable to fit double-height, infrared beam photocells, to prevent the gate from closing if one of the vehicles stops at the entry/exit point.

The flashing light for signalling movement.

CAME has always suggested installing the flashing light as an additional safety feature for the automation system.
The KIARO range, currently renewed with LED technology, combines energy savings and great reliability with ease of installation.
KIARO can be integrated with all CAME wireless systems and is available in 120 - 230 V AC or 24 V DC versions.



SLIDING GATE



COMPONENTS

- A** Operator (garmotor with control board)
- B** TX Photocells
- C** RX Photocells
- D** Power outage emergency operation board*
- E** Sensitive safety-edges
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- I** Plaque
- M** Cordless TX photocells
- N** TX Photocells
- Q** Junction box
- X** Radio frequency card

NOTES:

The control panel is integrated in the operator (except: 001BY-3500T)

The radio frequency board can be integrated into the operator.

* Only for 24 V DC operators.

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply 230 - 400 V AC three phase	4G x 1.5 mm ²	4G x 1.5 mm ²	4G x 2.5 mm ²
Power supply to motor 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 230 - 400 V AC three phase	4G x 1.5 mm ²	4G x 1.5 mm ²	4G x 2.5 mm ²
Power supply to motor 24 or 36 V DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Limit switch micro-switches	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Flashing light 230 V AC	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



BKV

EFFICIENT AND ROBUST FOR
LARGE GATES

GO TO PAGE 44 TO FIND OUT MORE

CAME 

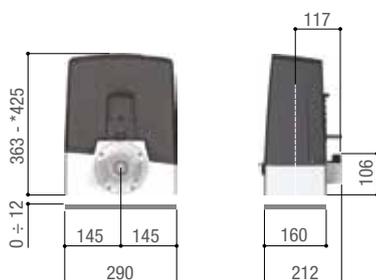
[CAME.COM](https://www.came.com)

Solution for sliding gates at private homes

- Encoder-based movement control.
- Complies with the rules on impact forces.
- Set up for operation in case of power outage.
- Self-diagnosing, hardwired safety devices.
- Control board with terminal blocks, dip switches and storage for up to 25 users.
- On-board rolling code decoding.



Dimensions (mm)



Operational limits

MODELS	801MS-0140
Max. length of leaf (m)	10
Max. weight of leaf (kg)	400
Pinion module	4

Technical characteristics

MODELS	801MS-0140
Protection rating (IP)	44
Power supply (V - 50/60 Hz)	230 AC
Power supply to motor (V)	24 DC
Absorption (A)	7 MAX
Power (W)	170
Duty/cycle (%)	50
Thrust (N)	350
Operating temperature (°C)	-20 ÷ +55

Code	Description
Complete operators with 24 V DC gearmotor	
801MS-0140 	BXL04AGS - Operator that runs on 24 V, featuring a control board with dip-switch settings, on-board radio decoding, movement and obstruction-detection control for gates weighing up to 400 kg and measuring up to 10 m in length. RAL7024-grey cover.
Accessories	
001 RGP1	Green Power module.
001 R800	Control board for decoding and access-control management via keypad selectors.
Accessories	
002 RLB 	Circuit board for emergency operation and battery charging.
Racks	
009 CGZ	Module 4 rack made of 22 x 22 mm galvanized steel.
009 CGZP	Module 4 rack made of 10 x 10 mm PA6 nylon and steel-core fibre glass for sliding gates measuring up to 600 kg, plus fastening brace.
009 CGZS	Module 4 rack made of 30 x 8 mm galvanized steel with fastening holes and distancers.



EASY RELEASE!

In emergencies or during power outages, the key-activated release is quick to get to and easy to use.

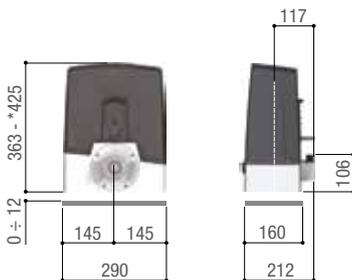
The handy lever releases the gearmotor for manually opening the gate.

Solution for sliding gates at private homes and apartment blocks

- Operator with encoder also in the rapid version.
- Set up for operation in case of power outage.
- Set up for installation of magnetic limit switches and heater.
- Control board with terminal blocks, display and storage for up to 250 users.
- Self-diagnosing safety devices.
- Paired connection via the RSE accessory.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Battery type

MODEL	BATTERY TYPE (not supplied)	MODEL	BATTERY TYPE (not supplied)
801MS-0150	2 x 12 V - 1.3 Ah	801MS-0230	2 x 12 V - 1.3 Ah
801MS-0160	2 x 12 V - 5 Ah	801MS-0250	2 x 12 V - 5 Ah
801MS-0180	2 x 12 V - 1.3 Ah	801MS-0380	2 x 12 V - 1.3 Ah
801MS-0190	2 x 12 V - 5 Ah	801MS-0390	2 x 12 V - 1.3 Ah
801MS-0210	2 x 12 V - 1.3 Ah		

* 801MS-0160 - 801MS-0190 - 801MS-0250

Operational limits

MODELS	801MS-0150	801MS-0180	801MS-0210	801MS-0230	801MS-0160	801MS-0190	801MS-0250	801MS-0380	801MS-0390
Max. length of leaf (m)	14	18	20	20	14	18	20	18	20
Max. weight of leaf (kg)	400	600	800	1000	400	600	1000	600	1000
Pinion module	4	4	4	4	4	4	4	4	4

Technical characteristics

MODELS	801MS-0150	801MS-0180	801MS-0210	801MS-0230	801MS-0160
Protection rating (IP)	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC				
Power supply to motor (V)	24 DC				
Power (W)	170	270	400	400	240
Maneuvering speed (m/min)	12	12	11	11	22
Duty/cycle (%)	HEAVY-DUTY SERVICE				
Thrust (N)	350	600	800	1000	250
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
MODELS	801MS-0190	801MS-0250	801MS-0380	801MS-0390	
Protection rating (IP)	54	54	54	54	
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	
Power supply to motor (V)	24 DC	24 DC	24 DC	24 DC	
Power (W)	240	360	270	400	
Maneuvering speed (m/min)	20	20	12	11	
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	
Thrust (N)	330	450	600	1000	
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	

Code	Description
------	-------------

Complete operators with 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445

801MS-0150 	BXV04AGS - Automated operator running on 24 V, featuring a control board with display on-board radio decoding, movement and obstruction detection control for sliding gates weighing up to 400 kg that are up to 14-m long. RAL7024-grey cover.	
801MS-0180 	BXV06AGS - Operator that runs on 24 V, featuring a control board with display, on-board radio decoding, movement and obstruction-detection control for gates weighing up to 600 kg that are up to 18-m long. RAL7024-grey cover.	

Complete operators with 24 V DC gearmotor

801MS-0210 	BXV08AGS - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for gates weighing up to 800 kg that are up to 20-m long. RAL7024-grey cover.	
801MS-0230 	BXV10AGS - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for gates weighing up to 1,000 kg that are up to 20-m long. RAL7024-grey cover.	

Complete operators with 24 V DC gearmotor - Rapid Version

801MS-0160 	BXV04AGF - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for gates weighing up to 400 kg that are up to 14-m long. RAL7024-gray cover (Rapid version up to 22 m/min.).	
801MS-0190 	BXV06AGF - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for gates weighing up to 600 kg that are up to 18-m long. RAL7024-gray cover (Rapid version up to 20 m/min.).	
801MS-0250 	BXV10AGF - Operator with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detecting device for gates weighing up to 1,000 kg that are up to 20-m long. RAL7024-gray cover (Rapid version up to 20 m/min.).	

Complete operators with DC 24 V gearmotor and magnetic limit switches, tested according to EN 12453 - EN 12445 standards

801MS-0380 	BXV06AGM - Operator with 24 V motor, featuring a control board with display, magnetic limit-switches, on-board radio-frequency decoding, movement control and obstruction detection for gates weighing up to 600 kg and measuring 18 m in length. RAL7024-gray cover.	
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Complete operators with 24 V DC gearmotor and magnetic limit-switches

801MS-0390 	BXV10AGM - Operator with 24 V motor, featuring a control board with display, magnetic limit-switches, on-board radio-frequency decoding, movement control and obstruction detection for gates weighing up to 1000 kg and measuring 20 m in length. RAL7024-gray cover.	
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THE COMPLETE RANGE

Code Description

Code	Description
Accessories	
001RSDN001	Pull-cord release device for operators.
001RSDN002	Magnetic limit-switch system for operators.
001RSDN003	Heating system for operators.
001RGP1	Green Power module.
001R700	Card for decoding and access control with transponder.
001R800	Control board for decoding and access-control management via keypad selectors.
002RSE	Interface card for controlling two operators or for enabling the Came Remote Protocol.
Accessories for: 001RSDN001	
001H3000	Case with customized key, plus pull-cord handle and control button. Cord length L = 5 m.
Accessories	
002RLB	Circuit board for emergency operation and battery charging.
Racks	
009CGZ	Module 4 rack made of 22 x 22 mm galvanized steel.
009CGZP	Module 4 rack made of 10 x 10 mm PA6 nylon and steel-core fibre glass for sliding gates measuring up to 600 kg, plus fastening brace.
009CGZS	Module 4 rack made of 30 x 8 mm galvanized steel with fastening holes and distancers.



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EASY RELEASE!

In emergencies or during power outages, the key-activated release is quick to get to and easy to use. A convenient handle lets you release the gearmotor to manually open the gate.



SEL BT

THE NEW BLUETOOTH SELECTORS

GO TO PAGE 270 TO FIND OUT MORE

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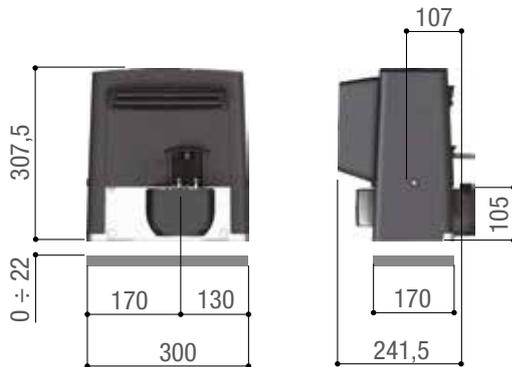




Solution for sliding gates at private homes

- Encoder-based movement control.
- Set up for installation of magnetic limit switches.
- Control board with terminal blocks, display and storage for up to 250 users.
- The safety inputs can be configured to directly control the 8k2Ω resistive sensitive-safety edges.
- Self-diagnosing safety devices.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



Operational limits

MODELS	801MS-0020	801MS-0030
Max. length of leaf (m)	14	14
Max. weight of leaf (kg)	400	800
Pinion module	4	4

Technical characteristics

MODELS	801MS-0020	801MS-0030
Protection rating (IP)	44	44
Power supply (V - 50/60 Hz)	230 AC	230 AC
Power supply to motor (V)	230 AC	230 AC
Absorption (A)	2,7	2,5
Power (W)	560	520
Maneuvering speed (m/min)	10,5	10,5
Duty/cycle (%)	30	30
Thrust (N)	600	800
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150

Code Description

Code	Description
Operators with 230 V AC gearmotor, tested in compliance with regulatory standards EN 12453 – 12445.	
801MS-0020	BX704AGS - Automated operator featuring a control board with programming display, on-board radio decoding, movement and obstruction detecting device and mechanical limit-switches for sliding gates weighing up to 400 kg that are up to 14-m long.
Complete operators with 230 V C gearmotor	
801MS-0030	BX708AGS - Automated operator featuring a control board with programming display, on-board radio decoding, movement and obstruction detecting device and mechanical limit-switches for sliding gates weighing up to 800 kg that are up to 14-m long.
Accessories	
001 RGP1	Green Power module.
001 R001	Lock cylinder with DIN key.
001 B4337	Chain drive device.
009 CCT	Simple 1/2" chain.
009 CGIU	Joint for 1/2" chain.
001 R700	Card for decoding and access control with transponder.
001 R800	Control board for decoding and access-control management via keypad selectors.
002 RSE	Interface card for controlling two operators or for enabling the Came Remote Protocol.
801XC-0100	Magnetic limit-switch system for operators.
Racks	
009 CGZ	Module 4 rack made of 22 x 22 mm galvanized steel.
009 CGZP	Module 4 rack made of 10 x 10 mm PA6 nylon and steel-core fibre glass for sliding gates measuring up to 600 kg, plus fastening brace.
009 CGZS	Module 4 rack made of 30 x 8 mm galvanized steel with fastening holes and distancers.



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Solution for large sliding gates

- Available with module 4 or 6 pinion.
- Set up for installation of magnetic limit switches.
- Control board with terminal blocks, display and storage for up to 250 users.
- The safety inputs can be configured to directly control the 8k Ω resistive sensitive-safety edges.
- Self-diagnosing safety devices.
- 230 - 400 V AC three-phase version for 2200 Kg model.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



Operational limits

MODELS	801MS-0070	801MS-0080	801MS-0090	801MS-0100	801MS-0120	801MS-0130
Max. length of leaf (m)	20	20	20	20	20	23
Max. weight of leaf (kg)	800	1200	1800	2200	2200	2200
Pinion module	4	4	4	6	4	6

Technical characteristics

MODELS	801MS-0070	801MS-0080	801MS-0090	801MS-0100	801MS-0120	801MS-0130
Protection rating (IP)	54	54	44	44	44	44
Power supply (V - 50/60 Hz)	230 AC	230 - 400 V AC THREE PHASE				
Power supply to motor (V)	230 AC	230 - 400 V AC THREE PHASE				
Absorption (A)	4,5	3,3	4,2	5,1	5,1	1,5
Power (W)	580	540	660	660	580	520
Manovering speed (m/min)	10,5	10,5	10,5	10,5	10,5	10,5
Cycles/Hour	14	14	14	14	22	14
Thrust (N)	800	850	1150	1500	1500	1650
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150	150	150	150

● 230 V AC ● 230 - 400 V AC THREE PHASE

Code	Description
Complete operators with 230 V C gearmotor	
801MS-0070 	BKS08AGS - Automated operator featuring a control board with programming display, on-board radio decoding and mechanical limit-switches for sliding gates up to 800 kg in weight and 20 m in length.
801MS-0080 	BKS12AGS - Automated operator featuring a control board with programming display, on-board radio decoding and mechanical limit-switches for sliding gates up to 1,200 kg in weight and 20 m in length.
801MS-0090 	BKS18AGS - Automated operator featuring a control board with programming display, on-board radio decoding and mechanical limit-switches for sliding gates up to 1,800 kg in weight and 20 m in length.
801MS-0100 	BKS22AGS - Automated operator featuring a control board with programming display, on-board radio decoding and mechanical limit-switches for sliding gates up to 2,200 kg in weight and 20 m in length.
801MS-0120 	BKS22AGE - Automated operator featuring a control board with functions programming graphic-display, movement and obstruction detecting devices for sliding gates up to 2,200 kg in weight and 20 m in length.
230 - 400 V AC three-phase gearmotors	
801MS-0130 	BKS22TGS - Gearmotor for sliding gates weighing up to 2,200 kg that are up to 23-m long.
230 - 400 V AC three-phase control panels	
002ZT6 	Control panel with self-diagnosing safety-devices.
002ZT6C 	Control panel with safety stop and buttons, plus self-diagnosing safety-devices.
Accessories for: 801MS-0070 - 801MS-0080 - 801MS-0090 - 801MS-0100 - 801MS-0120	
801XC-0100	Magnetic limit-switch system for operators.



THE COMPLETE RANGE

Code	Description
Accessories	
001 R001	Lock cylinder with DIN key.
001 B4353	Chain drive device.
009 CCT	Simple 1/2" chain.
009 CGIU	Joint for 1/2" chain.
001 RGP1	Green Power module.
001 R700	Card for decoding and access control with transponder.
001 R800	Control board for decoding and access-control management via keypad selectors.
002 RSE	Interface card for controlling two operators or for enabling the Came Remote Protocol.
Racks	
009 CGZ	Module 4 rack made of 22 x 22 mm galvanized steel.
009 CGZS	Module 4 rack made of 30 x 8 mm galvanized steel with fastening holes and distancers.
009 CGZ6	Galvanized rack module 6 in 30 x 30 laminated steel.



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SEL

SELECTORS SUITABLE FOR EVERY NEED

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CAME.COM



Solution for large sliding gates

- Adaptive Torque Technology to ensure lasting, smooth, constant speed during movement.
- Control board with terminal blocks, graphic display and storage for up to 250 users.
- Four safety inputs which can be configured to directly manage the (8k2Ω) resistive sensitive safety-edges.
- User-friendly release lever for manually opening the gate.
- Set up to fit the 806SA-0120 control board for managing up to eight settings.
- Protection rating against weathering agents (IP54).
- Set up for installation of magnetic limit switches (001RSDN002).
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



Operational limits

MODELS	801MS-0300	801MS-0310	801MS-0320	801MS-0350	801MS-0360	801MS-0370
Max. length of leaf (m)	20	20	20	20	20	20
Max. weight of leaf (kg)	1500	2000	2500	1500	2000	2500
Pinion module	4	4	6	4	4	6

Technical characteristics

MODELS	801MS-0300	801MS-0310	801MS-0320	801MS-0350	801MS-0360	801MS-0370
Protection rating (IP)	54	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC					
Power supply to motor (V)	36 DC					
Absorption (A)	8	9	10	8	9	10
Power (W)	200	250	300	200	250	300
Manouvering speed (m/min)	12	12	12	12	12	12
Cycles/Hour	HEAVY-DUTY SERVICE					
Thrust (N)	800	900	1000	800	900	1000
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

Code	Description
Complete operators with 36 V DC geared motor	
801MS-0300 	BKV15AGS - Operator with 36 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, movement and obstruction detecting device for gates weighing up to 1500 kg that are up to 20-m long.
801MS-0310 	BKV20AGS - Operator with 36 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, movement and obstruction detecting device for gates weighing up to 2000 kg that are up to 20-m long.
801MS-0320 	BKV25AGS - Operator with 36 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, movement management/obstruction detection and module 6 pinion for gates weighing up to 2500 kg that are up to 20-m long.
Complete operators with 36 V DC gearmotor - Plus Version	
801MS-0350 	BKV15AGE - Plus version operator with 36 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, magnetic limit switches and clock accessory included for gates weighing up to 1500 kg that are up to 20-m long.
801MS-0360 	BKV20AGE - Plus version operator with 36 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, magnetic limit switches and clock accessory included for gates weighing up to 2000 kg that are up to 20-m long.
801MS-0370 	BKV25AGE - Plus version operator with 36 V motor, featuring a control board with graphic display, Adaptive Speed & Torque Technology, 4 safety inputs, module 6 pinion, magnetic limit switches and clock accessory included for gates weighing up to 2500 kg that are up to 20-m long.



Smooth movement and swiftness in any conditions

The new BKV series is designed to meet the highest standards in terms of performance at any latitude and in any climate. BKV motors feature state-of-the-art ADAPTIVE TORQUE TECHNOLOGY, that is, an integrated obstruction-detection software that, moment by moment, handles the current absorbed by the geared motor, to ensure the movement is super smooth, while keeping the speed constant according the installation parameters.

THE COMPLETE RANGE

Code Description

Accessories

806SA-0090 Circuit board for emergency operation and battery charging.



Accessories

801XC-0120 Chain drive device.



801XC-0130 Adapter plate for first-series BK operators.



001**R001** Lock cylinder with DIN key.



009**CCT** Simple 1/2" chain.



009**CGIU** Joint for 1/2" chain.



001**RGP1** Green Power module.



001**R700** Card for decoding and access control with transponder.



001**R800** Control board for decoding and access-control management via keypad selectors.



002**RSE** Interface card for controlling two operators or for enabling the Came Remote Protocol.



806SA-0120 Control card for timer function-control.



001**RSDN002** Magnetic limit-switch system for operators.



Racks

009**CGZ** Module 4 rack made of 22 x 22 mm galvanized steel.



009**CGZS** Module 4 rack made of 30 x 8 mm galvanized steel with fastening holes and distancers.



009**CGZ6** Galvanized rack module 6 in 30 x 30 laminated steel.





TOP

ROLLING CODE AND FIXED CODE TRANSMITTERS

GO TO PAGE 244-248 TO FIND OUT MORE

CAME

[CAME.COM](https://www.came.com)



BY-3500T

Up to 3500 kg

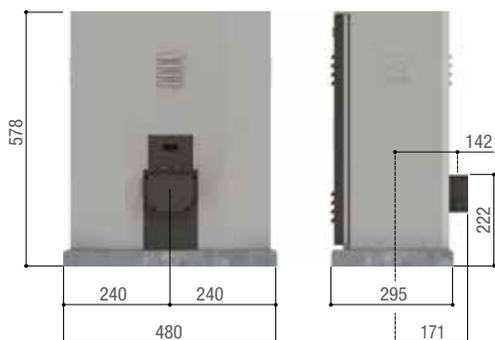


The ideal solutions for sliding gates at industrial sites.

- Sturdy mechanics to ensure exceptional performance.
- Self-diagnosing safety devices.
- Prepared for the courtesy light management.
- Power supply 230 - 400 V AC Triphase to offer maximum performance.



Dimensions (mm)



Operational limits

MODELS	001BY-3500T
Max. length of leaf (m)	17
Max. weight of leaf (kg)	3500
Pinion module	6

Technical characteristics

MODELS	BY-3500T
Protection rating (IP)	54
Power supply (V - 50/60 Hz)	230/ 400 V AC THREE PHASE
Power supply to motor (V)	230/ 400 V AC THREE PHASE
Absorption (A)	2
Power (W)	1000
Maneuvering speed (m/min)	10,5
Cycles/Hour	14
Thrust (N)	3500
Operating temperature (°C)	-20 ÷ +55
Motor's heat protection (°C)	140

● 230 – 400 V AC THREE PHASE

Code	Description
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Three-phase 230 – 400 V AC operators	
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001 BY-3500T	Operator complete with control board and mechanical limit switches for sliding gates up to 3500 kg in weight and 17 m in length.
---------------------	--



Racks	
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009 CGZ6	Galvanized rack module 6 in 30 x 30 laminated steel.
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The table shows all of the characteristics of sliding-gate control panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.



Models / Series	BX	BK	BKV	BXL	BXV	BY-3500T BK
Control board / Control panel	ZBX7N	ZBKN	ZN8	ZN6	ZN7	ZT6
Safety						
SELF-DIAGNOSING safety decives	●	●	●	●	●	●
PRE-FLASHING when opening and closing	●	●	●	●	●	●
REOPENING during closing	●	●	●	●	●	●
CLOSING AGAIN during opening	●	●	●	●	●	●
Obstruction WAIT	●	●	●	●	●	●
TOTAL STOP	●	●	●	●	●	●
PARTIAL STOP	●	●	●	●	●	●
OBSTRUCTION DETECTION in front of photocells	●	●	●	●	●	●
ENCODER	●	●	●	●	●	●
MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device.	●	●	●	●	●	●
AMPEROMETRIC DETECTION	●	●	●	●	●	●
Command						
PARTIAL OPENING 1 leaf	●	●	●	●	●	●
OPEN ONLY from transmitter and/or from button	●	●	●	●	●	●
ONLY OPEN or ONLY CLOSE button connection	●	●	●	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or button	●	●	●	●	●	●
OPEN-CLOSE-INVERT from the transmitter and/or button	●	●	●	●	●	●
MAINTAINED ACTION	●	●	●	●	●	●
Characteristics						
FLASHING LIGHT connection	●	●	●	●	●	●
CYCLE LIGHT connection	●	●	●	●	●	●
COURTESY LIGHT connection	●	●	●	●	●	●
Antenna	●	●	●	●	●	●
OPEN ALERT LIGHT connection	●	●	●	●	●	●
CLOSED ALERT LIGHT connection	●	●	●	●	●	●
Contact output for 2nd RADIO CHANNEL	●	●	●	●	●	●
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●
SLEEP MODE	●	●	●	●	●	●
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●	●	●	●
OPENING and/or CLOSING slow downs	●	●	●	●	●	●
EMERGENCY BATTERY operation (optional)	●	●	●	●	●	●
MASTER-SLAVE	●	●	●	●	●	●
Adjustable TRAVEL and SLOW-DOWN speeds*	●	●	●	●	●	●
DISPLAY	●	●	●	●	●	●
Electronic brake	●	●	●	●	●	●
SELF-LEARNING opening and closing limit-switches	●	●	●	●	●	●
Connection to the solar panel	●	●	●	●	●	●
CAME Connect	●	●	●	●	●	●
Designed to fit RIO System 2.0	●	●	●	●	●	●
CRP control	●	●	●	●	●	●
ENERGY SAVINGS control (001RGP1)	●	●	●	●	●	●

● 230 V AC ● 24 - 36 V DC ● 230 - 400 V AC THREE PHASE

NOTES

* For 801MS-0020 - 801MS-0030, only slow-down speed.

BXL - 8K01MS-015 KIT



KITS FOR SLIDING GATES

- Sliding gates up to 400 kg
- Maximum leaf length 10 m

Code	Description	Quantity
801MS-0140 	BXL04AGS - Operator that runs on 24 V, featuring a control board with dip-switch settings, on-board radio decoding, movement and obstruction-detection control for gates weighing up to 400 kg and measuring up to 10 m in length. RAL7024-grey cover.	1
806TS-0111	TOPD2RBS - Two-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 AF43S	Plug-in radio-frequency control card.	1
001 DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KLED24 	LED flashing light signaller.	1



KITS FOR SLIDING GATES

- Sliding gates up to 400 kg
- Maximum leaf length 14 m

Code	Description	Quantity
801MS-0150	BXV04AGS - Automated operator running on 24 V, featuring a control board with display on-board radio decoding, movement and obstruction detection control for sliding gates weighing up to 400 kg that are up to 14-m long. RAL7024-grey cover.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KLED24	LED flashing light signaller.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001 AF43S	Plug-in radio-frequency control card.	1
001 KIAROS	Wall-fastening base.	1
001 TOP-A433N	Tuned antenna.	1

BXV - 8K01MS-004 KIT



KITS FOR SLIDING GATES

- Sliding gates up to 600 kg
- Maximum leaf length 18 m

Code	Description	Quantity
801MS-0180	BXV06AGS - Operator that runs on 24 V, featuring a control board with display, on-board radio decoding, movement and obstruction-detection control for gates weighing up to 600 kg that are up to 18-m long. RAL7024-grey cover.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KLED24	LED flashing light signaller.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001 AF43S	Plug-in radio-frequency control card.	1
001 KIAROS	Wall-fastening base.	1
001 TOP-A433N	Tuned antenna.	1



KITS FOR SLIDING GATES

- Sliding gates up to 400 kg
- Maximum leaf length 14 m

Code	Description	Quantity
801MS-0020	BX704AGS - Automated operator featuring a control board with programming display, on-board radio decoding, movement and obstruction detecting device and mechanical limit-switches for sliding gates weighing up to 400 kg that are up to 14-m long.	1
   		
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 AF43S	Plug-in radio-frequency control card.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
		
001 KLED	LED flashing light signaller.	1

BX - 001U2303ML KIT



KITS FOR SLIDING GATES

- Sliding gates up to 800 kg
- Maximum leaf length 14 m

Code	Description	Quantity
801MS-0030	BX708AGS - Automated operator featuring a control board with programming display, on-board radio decoding, movement and obstruction detecting device and mechanical limit-switches for sliding gates weighing up to 800 kg that are up to 14-m long.	1
  		
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 AF43S	Plug-in radio-frequency control card.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
		
001 KLED	LED flashing light signaller.	1



x2



KITS FOR SLIDING GATES

- Sliding gates up to 1,800 kg
- Maximum leaf length 20 m

Code	Description	Quantity
801MS-0090 	BKS18AGS - Automated operator featuring a control board with programming display, on-board radio decoding and mechanical limit-switches for sliding gates up to 1,800 kg in weight and 20 m in length.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001 DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1

BK - 001U2826 KIT



KITS FOR SLIDING GATES

- Sliding gates up to 1,200 kg
- Maximum leaf length 20 m

Code	Description	Quantity
801MS-0080	BKS12AGS - Automated operator featuring a control board with programming display, on-board radio decoding and mechanical limit-switches for sliding gates up to 1,200 kg in weight and 20 m in length.	1
 001AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
 001KLED	LED flashing light signaller.	1

DISCOVER THE SOLUTIONS FOR VEHICLE ACCESS CONTROL

FIXED AND MOBILE BOLLARDS

For delimitation of traffic routes, parking facilities or areas where access to vehicles is prohibited



AUTOMATIC BOLLARDS

For urban areas protection and vehicle flow regulation in both public and private areas



MANAGEMENT AND CONTROL

An integrated system that allows centralized remote management of all accesses with retractable bollards

Discover the SMART & SAFE solutions at came.com/urbaco
Discover the full range on came.com/ozak



HIGH-SECURITY BOLLARDS

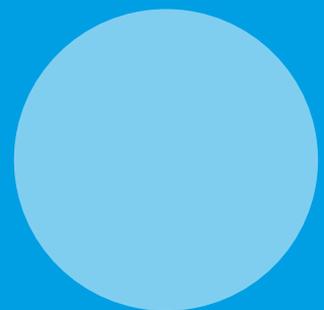
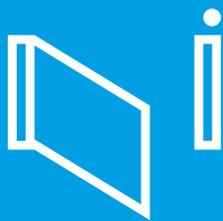
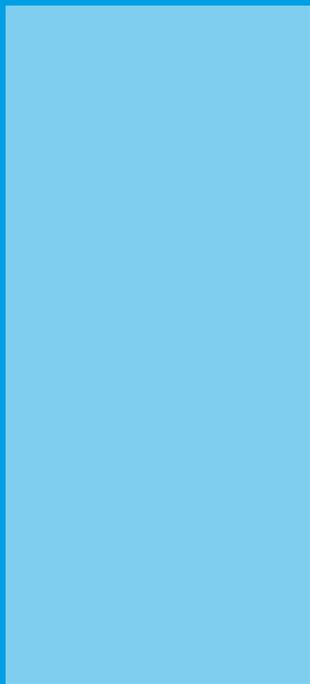
For the protection of strategic access points and sensitive facilities against ramming vehicles



ROAD BLOCKERS

The highest level of burglar-proof security, to prevent access by unauthorized vehicles

SWING GATE AUTOMATION



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125	ATI - 001U7013ML KIT
126	FROG - 001U1901ML KIT
123	FROG - 001U1991ML KIT
128	FERNI - 001U1274 KIT
129	FERNI - 001U1275 KIT

Selection guide

Swing gate operators

The table summarizes the series and models with their maximum operating limits only according to the width of the gate leaf.

Series	Model	Max. width of leaf (m)	Max. C-distance (mm)
FROG	FROG-AV	1.3	-
STYLO	STYLO-RME	1.8	180 (200 with item 001STYLO-BD)
STYLO	STYLO-ME	1.8	180 (200 with item 001STYLO-BD)
AXL	801MP-0020	2	60
AXI	801MP-0030	2	60
FTL	801MB-0080	2	150 (300 with item 801XC-0070)
FTL - FTX	801MB-0050	2	150 (300 with item 801XC-0070)
FTX	801MB-0070	2	150 (300 with item 801XC-0070)
FTX	801MB-0110	2	50 (300 with item 801XC-0070)
FTX	801MB-0120	2	50 (300 with item 801XC-0070)
FAST 70	FA70230CB	2.3	200 (300 with item 801XC-0070)
FAST 70	FA70230	2.3	200 (300 with item 801XC-0070)
FAST 70	FA7024CB	2.3	200 (300 with item 801XC-0070)
FAST 70	FA7024	2.3	200 (300 with item 801XC-0070)
FAST 70	801MB-0090	2.3	300
FAST 70	801MB-0100	2.3	300
AXI	801MP-0040	2.5	60
ATS	801MP-0050	3	200
ATS	801MP-0070	3	200
ATS	801MP-0090	3	200
ATS	801MP-0110	3	200
ATI	A3000A	3	60
ATI	A3100A	3	60
ATI	A3024N	3	60
ATI	A3000	3	60
ATI	A3100	3	60
ATI	A3106	3	60
AXO	AX302304	3	70
AXO	AX312304	3	70
AXO	AX3024	3	70
KRONO	KR300D - KR300S	3	60
KRONO	KR302D - KR302S	3	60
KRONO	KR310D - KR310S	3	60
KRONO	KR312D - KR312S	3	60
FROG	FROG-A	3.5	-
FROG	FROG-AE	3.5	-
FROG	FROG-A24	3.5	-
FROG	FROG-A24E	3.5	-
AXO	AX402306	4	70
AXO	AX412306	4	70
FERNI	FE40230	4	380
FERNI	FE40230V	4	380
FERNI	FE4024	4	380
FERNI	FE4024V	4	380
ATS	801MP-0060	5	200
ATS	801MP-0100	5	200
ATS	801MP-0080	5	200
AXO	AX5024	5	150
ATI	A5000A	5	120
ATI	A5100A	5	120
ATI	A5024N	5	120
ATI	A5000	5	120
ATI	A5100	5	120
ATI	A5106	5	120
KRONO	KR510D - KR510S	5	120
FROG PLUS	FROG-PM4	5.5	-
AXO	AX71230	7	150
FROG PLUS	FROG-PM6	7	-
SUPER FROG	FROG-MD - FROG-MS	8	-

● 230 V AC ● 24 V DC HEAVY DUTY ● 230 - 400 V AC TRI-PHASE



**SWING GATES
BELOW-GROUND OPERATOR**

It is practically invisible and does not change the gate's aesthetics.
It does not limit the net clearance width.



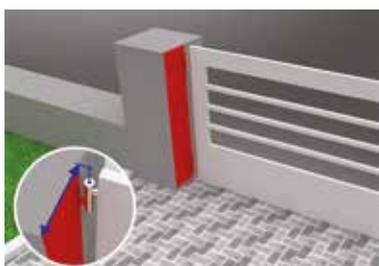
**SWING GATES
SURFACE OPERATOR**

Simple installation with no setting up.
It is by far the most popular among swing gates.



**SWING GATES
HINGED-ARM GEARMOTORS**

When the traditional surface-fitted gearmotor cannot be installed due to space limitations, the folding drive arm solves the issue.



**Maximum C-distance
ON SWING GATES**

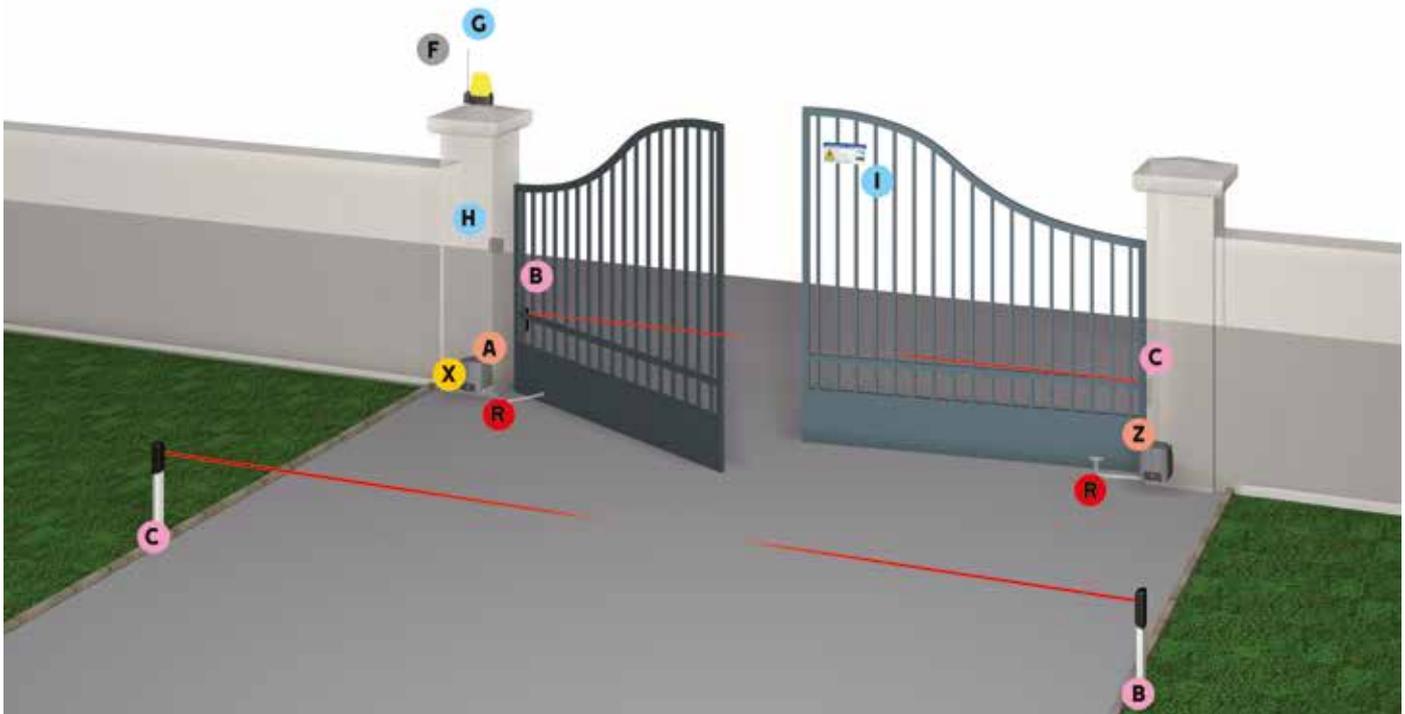
That is the centre-distance between the inner corner of the post and the gate's rotating axis.
The limits to this measurement allow you to pick the most suitable operator for any gate.

The flashing light for signalling movement.

CAME has always suggested installing the flashing light as an additional safety feature for the automation system.
The KIARO range, currently renewed with LED technology, combines energy savings and great reliability with ease of installation.
KIARO can be integrated with all CAME wireless systems and is available in 120 - 230 V AC or 24 V DC versions.



SWING GATE WITH POWER ARM



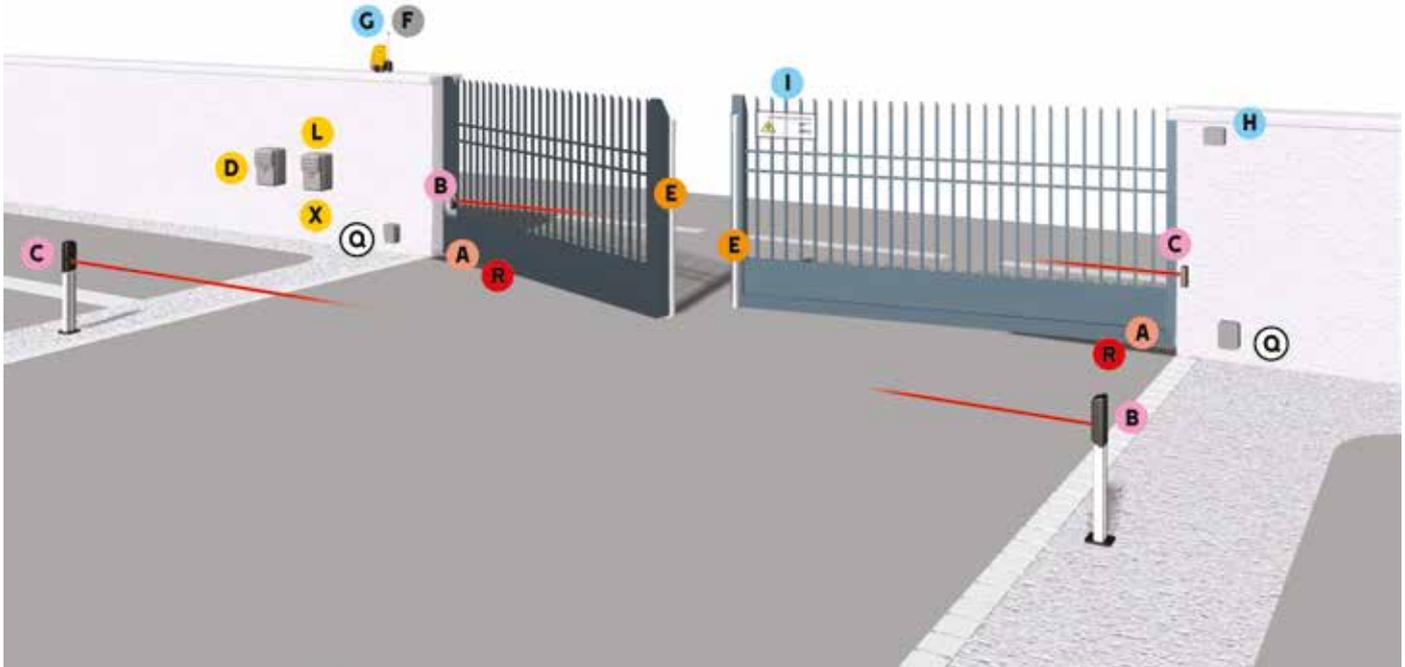
COMPONENTS

- A** Operator (garmotor with control board)
- Z** Gearmotor
- B** TX Photocells
- C** RX Photocells
- F** Flashing light
- G** Antenna
- H** Control switch
- (Key – Code – Card or transponder fob)
- I** Plaque
- N** CordlessTX/RX photocells or TX photocells
- O** CordlessTX/RX photocells or RX photocells
- R** Drive levers
- X** Radio frequency card

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 230 V AC	4G x 1.5 mm ²	4G x 1.5 mm ²	4G x 2.5 mm ²
Power supply to motor 24 or 36 V DC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Limit switch micro-switches	4G x 1.5 mm ²	4G x 1.5 mm ²	4G x 2.5 mm ²
Flashing light 24 V AC - DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Flashing light 230 V AC	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
TX Photocells	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
RX Photocells	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
Elettoserratura 12 V DC	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
Elettoserratura 24 V DC	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

- **A** Gearmotors
- **B** TX Photocells
- **C** RX Photocells
- **D** Control card for operating during power outages
- **E** Sensitive safety-edges
- **F** Flashing light
- **G** Antenna
- **H** Control switch
- (Key – Code – Card or transponder fob)
- **I** Plaque
- **L** Control panel
- **N** Cordless TX/RX photocells or TX photocells
- **O** CordlessTX/RX photocells or RX photocells
- **Q** Junction box (only for the Frog series)
- **R** Drive levers
- **X** Radio frequency card

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply 230 - 400 V AC three phase	4G x 1.5 mm ²	4G x 1.5 mm ²	4G x 2.5 mm ²
Power supply to motor 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 230 - 400 V AC three phase	4G x 1.5 mm ²	4G x 1.5 mm ²	4G x 2.5 mm ²
Power supply to motor 24 or 36 V DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Limit switch micro-switches	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Flashing light 230 V AC	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Elettoserratura 12 V DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1.5 mm ²
Elettoserratura 24 V DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

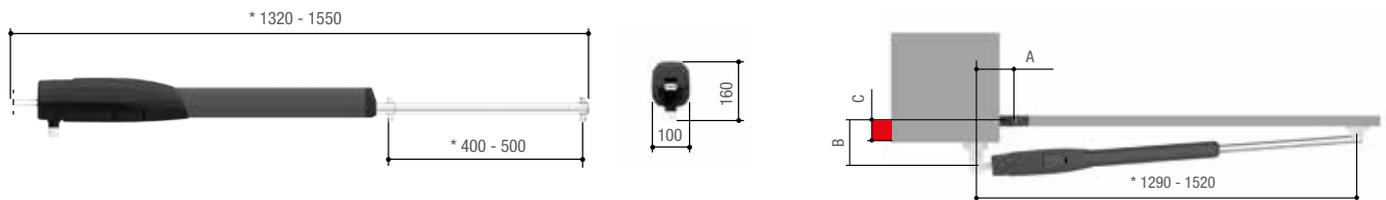
*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.

Solution for applying in private homes and apartment buildings, on posts with C Max. up to 200 mm

- Designed for applications with C Max. up to 200 mm.
- Sturdy and durable with die-cast aluminium supporting structure.
- Reducer with bevel gear for greater fluidity of movement.
- Release system, with the possibility of remote control.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Application dimensions (mm)

ARTICULATED ARM	801MP-0050 · 801MP-0070 · 801MP-0090 · 801MP-0110		
LEAF OPENING (°)	A	B	C Max.
90	130	130	50
90	150	220	150
90	120	270	200
120	180	130	50

ARTICULATED ARM	801MP-0060 · 801MP-0080 · 801MP-0100		
LEAF OPENING (°)	A	B	C Max.
90	200	200	150
90	200	270	200
120	200	140	70

Operational limits

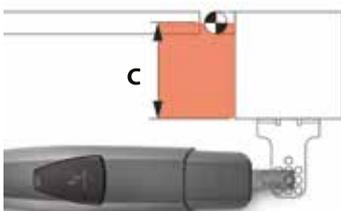
MODELS	801MP-0050 · 801MP-0070 · 801MP-0090 · 801MP-0110		
Max. length of leaf (m)	3	2,5	2
Max. weight of leaf (kg)	400	600	800
Max. leaf opening (°)	120		

MODELS	801MP-0060 · 801MP-0080 · 801MP-0100				
Max. length of leaf (m)	5	4	3	2,5	2
Max. weight of leaf (kg)	400	500	600	800	1000
Max. leaf opening (°)	120				

Technical characteristics

MODELS	801MP-0050	801MP-0060	801MP-0090	801MP-0100	801MP-0070	801MP-0080	801MP-0110
Protection rating (IP)	54	54	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	-	-	-
Power supply to motor (V)	230 AC	230 AC	230 AC	230 AC	24 DC	24 DC	24 DC
Absorption (A)	1	1	1	1	8 MAX	8 MAX	8 MAX
Power (W)	250	250	250	250	80	80	80
Maneuvering time at 90° (s)	20	20	20	20	15 ÷ 30	15 ÷ 30	15 ÷ 30
Cycles/Hour	20	20	20	20	CONTINUOUS SERVICE	CONTINUOUS SERVICE	CONTINUOUS SERVICE
Thrust (N)	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150	150	-	-	-

Code	Description
230 V AC Gearmotors	
801MP-0050 	ATS30AGS - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm with leaves up to 3 m long that weighs up to 400 kg. RAL7024-gray color.
801MP-0060 	ATS50AGS - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm with leaves up to 5 m long that weighs up to 400 kg. RAL7024 gray color.
801MP-0090 	ATS30AGR - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm, set up for remote release, for leaves up to 3 m that weighs up to 400 kg. RAL7024-gray color.
801MP-0100 	ATS50AGR - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm, set up for remote release, for leaves up to 5 m that weighs up to 400 kg. RAL7024-gray color.
Control panels for 230 V AC gearmotors	
002 ZA3P	Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.
002 ZM3E 	Multifunction control panel for swing gates with two leaves, graphic alerts display, self-diagnosing safety devices and on-board radio decoding.
24 V DC gearmotors	
801MP-0070 	ATS30DGS – Irreversible telescopic 24 V gearmotor with encoder for swing gates with C Max. 200 mm with leaves up to 3 m long that weighs up to 400 kg. RAL7024-gray color.
801MP-0080 	ATS50DGS – Irreversible telescopic 24 V gearmotor with encoder for swing gates with C Max. 200 mm with leaves up to 5 m long that weighs up to 400 kg. RAL7024-gray color.
801MP-0110 	ATS30DGR - Irreversible telescopic 24 V gearmotor with encoder for swing gates with C Max. 200 mm, set up for remote release, for leaves up to 3 m that weighs up to 400 kg. RAL7024-gray color.
Control panels for 24 V gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
002 ZLJ24 	Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, and self-diagnosing safety devices.
002 ZL65 	Control panel for one or two-leaf swing gates, with programming display, on-board radio decoding and self-diagnosing safety devices.



C MAX up to 200 mm

ATS is the universal solution, ideal for both residential settings and industrial installations.

It is a very versatile operator and thanks to the telescopic extension it is able to adapt perfectly to posts of different depths.

IMMEDIATE MANUAL RELEASE

In case of need it is possible to unlock the motor to open or close the gate leaf manually.

A single gesture is sufficient to unlock ATS. The pin to be operated is protected by a flap that simply opens with a finger.

The new tri-lobe key also has a completely new design, for greater ergonomics.

THE COMPLETE RANGE

Code	Description
------	-------------

Accessories for: 801MP-0090 - 801MP-0100 - 801MP-0110

001 H3000	Case with customized key, plus pull-cord handle and control button. Cord length L = 5 m.
------------------	--



Accessories for: 002ZLJ24

002 LB180	Circuit board for emergency operation and battery charging.
------------------	---



Accessories for: 002ZL65

002 RLB	Circuit board for emergency operation and battery charging.
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Accessories

001 LOCK81	Single cylinder electric lock.
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001 LOCK82	Double cylinder electric lock.
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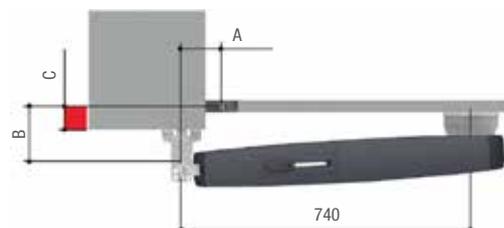
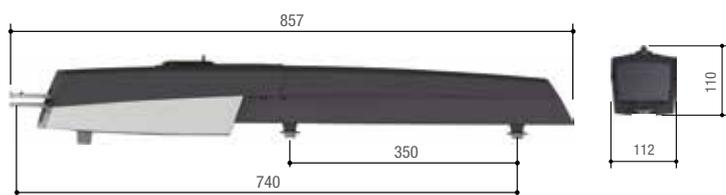


Solution for applying in private homes

- Gearmotor with bevel gear for greater fluidity of movement.
- Integrated, adjustable mechanical limit switches.
- Simplified connections and one, three-conductor cable.
- Control board with terminal blocks, dip switches and storage for up to 25 users.
- Release system protected by trilobe key.
- Set up for operation in case of power outage.



Dimensions (mm)



Application dimensions (mm)

ARTICULATED ARM	801MP-0020		
LEAF OPENING (°)	A	B	C Max.
90	130	110÷170	60
115	150	110÷160	50

Operational limits

MODELS	801MP-0020		
Max. length of leaf (m)	2,2	1,7	1
Max. weight of leaf (kg)	200	225	250
Max. leaf opening (°)	115		

Technical characteristics

MODELS	801MP-0020
Protection rating (IP)	44
Power supply to motor (V)	24 DC
Power (W)	120
Maneuvering time at 90° (s)	15
Duty/cycle (%)	50
Thrust (N)	400 ÷ 2000
Operating temperature (°C)	-20 ÷ +55

* Suggested minimum value with maximum travel speed and minimum slow-down speed.

Code	Description
24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
801MP-0020   	AXL20DGS - Irreversible gearmotor with encoder for swing gates with leaves up to 2 m long. RAL7024-grey color.
Control panels for 24 V DC gearmotors tested in conformity with standards EN 12453 - EN 12445	
002ZL60 	Control panel for one or two-leaf swing gates, dip-switch setting, on-board radio decoding and self-diagnosing safety devices.
Accessories for: 002ZL60	
002RLB 	Circuit board for emergency operation and battery charging.
Accessories for: 002ZL60	
001RGP1	Green Power module.
001R800	Control board for decoding and access-control management via keypad selectors.
Accessories	
001RSWN001	Pull-cord release device for operators.
Accessories for: 001RSWN001	
001H3000	Case with customized key, plus pull-cord handle and control button. Cord length L = 5 m.



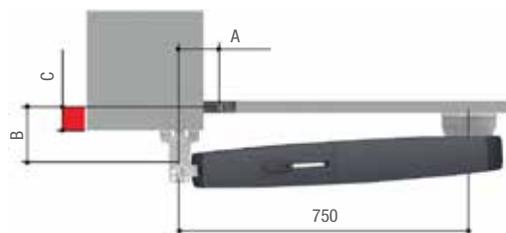
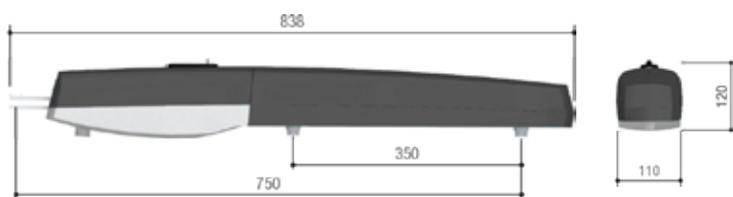
NOTES:
002RLB - Two 12 V – 1.3 Ah batteries (not supplied), on the 002ZL65 fit a suitable external battery rack.

Solution for applying in private homes and apartment buildings

- Gearmotor with bevel gear for greater fluidity of movement.
- Integrated, adjustable mechanical limit switches.
- Simplified connections and one, three-conductor cable.
- Control board with terminal blocks, display and storage for up to 250 users.
- Self-diagnosing safety devices.
- Set up for operation in case of power outage.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Application dimensions (mm)

ARTICULATED ARM	801MP-0030 - 801MP-0040		
LEAF OPENING (°)	A	B	C Max.
90	130	110 ÷ 170	60
115	150	110 ÷ 160	50

Operational limits

MODELS	801MP-0030	
Max. length of leaf (m)	1,5	2
Max. weight of leaf (kg)	250	200
Max. leaf opening (°)	115	

MODELS	801MP-0040	
Max. length of leaf (m)	1,80	2,5
Max. weight of leaf (kg)	300	250
Max. leaf opening (°)	115	

Technical characteristics

MODELS	801MP-0030	801MP-0040
Protection rating (IP)	44	44
Power supply to motor (V)	24 DC	24 DC
Absorption (A)	5 Max.	5 Max.
Power (W)	120	120
Maneuvering time at 90° (s)	15*	15*
Duty/cycle (%)	50	50
Thrust (N)	400 ÷ 2000	400 ÷ 2000
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

* Suggested minimum value with maximum travel speed and minimum slow-down speed.

Code	Description
24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
801MP-0030 	AXI20DGS - Irreversible geared motor with encoder for swing gates with up to 2 m leaves. RAL7024-gray color.
801MP-0040 	AXI25DGS - Irreversible geared motor with encoder for swing gates with up to 2.5 m leaves. RAL7024-gray color.
Control panels for 24 V DC gearmotors tested in conformity with standards EN 12453 - EN 12445	
002ZL65 	Control panel for one or two-leaf swing gates, with programming display, on-board radio decoding and self-diagnosing safety devices.
Accessories	
001RSWN001	Pull-cord release device for operators.
Accessories for: 001RSWN001	
001H3000	Case with customized key, plus pull-cord handle and control button. Cord length L = 5 m.
Accessories for: 002ZL65	
002RLB 	Circuit board for emergency operation and battery charging.
Accessories for: 002ZL65	
001RGP1	Green Power module.
001R700	Card for decoding and access control with transponder.
001R800	Control board for decoding and access-control management via keypad selectors.
002RSE	Interface card for controlling two operators or for enabling the Came Remote Protocol.



NOTES:
002RLB - Two 12 V – 1.3 Ah batteries (not supplied), on the 002ZL65 fit a suitable external battery rack.



WE CONNECT. YOU CONTROL.

Cloud connectivity changes how we experience operators. This technology revamps our lifestyles, to ensure comfort and safety. CAME CONNECT make all our products available on the web where you can manage and control them from smartphones and tablets. Download CAME AUTOMATION APP from Google play or App Store.

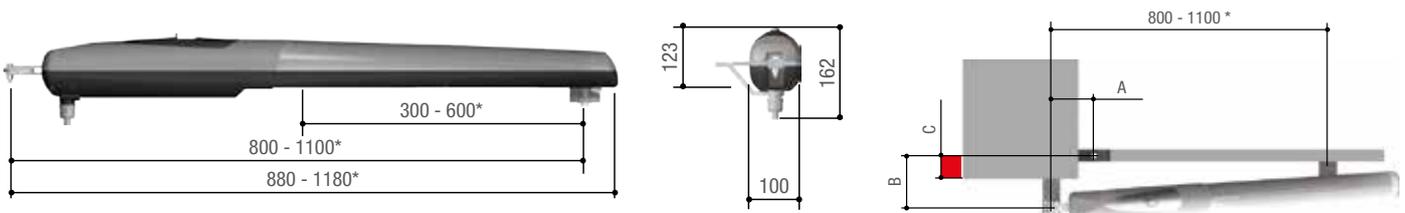


Solution for applying in private homes and apartment buildings

- Motor and encoder management with three-wire cable in 24 V DC versions.
- Supporting structure in die-cast aluminium.
- Set up for operation in case of power outage in the 24 V DC versions.
- Integrated, adjustable mechanical limit switches.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



* 001AX5024 · 001AX71230

Application dimensions (mm)

MODELS	AX302304 · AX312304 · AX402306 · AX412306 · AX3024		
LEAF OPENING (°)	A	B	C Max.
90	130	130	70
120	140	100	50

MODELS	AX5024 · AX71230		
LEAF OPENING (°)	A	B	C Max.
90	200	220	150
120	220	220	100

NOTES:

* It is obligatory to fit an electric lock on the gate leaf.
 ** Do not fit panels on gate leaves longer than 5 m. With reversible versions, when the gate is open, the gate leaf could close back up if there is a strong wind.

Operational limits

MODEL	AX302304 · AX312304 · AX3024		
Max. width of leaf (m)	3	2,5	2
Max. weight of leaf (kg)	500	600	800

MODEL	AX402306 · AX412306			
Max. width of leaf (m)	*4	3	2,5	2
Max. weight of leaf (kg)	300	500	600	800

MODEL	AX5024				
Max. width of leaf (m)	*5	*4	3	2,5	2
Max. weight of leaf (kg)	400	500	700	800	1000

MODEL	AX71230						
Max. width of leaf (m)	**7	**6	*5	*4	3	2,5	2
Max. weight of leaf (kg)	300	350	400	500	700	800	1000
Max. leaf opening (°)	120						

Technical characteristics

MODELS	AX302304	AX312304	AX402306	AX412306	AX71230	AX3024	AX5024
Protection rating (IP)	44	44	44	44	44	44	44
Power supply (V - 50/60 Hz)	230 AC	-	-				
Power supply to motor (V)	230 AC 50/60 Hz	24 DC	24 DC				
Absorption (A)	1,5	1,5	1,5	1,5	1,5	10 Max.	10 Max.
Power (W)	175	175	175	175	175	120	120
Maneuvering time at 90° (s)	20	20	28	28	40	ADJUSTABLE	ADJUSTABLE
Duty/cycle (%)	50	50	30	30	30	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Thrust (N)	500 ÷ 4500	500 ÷ 4500	500 ÷ 4500	500 ÷ 4500	500 ÷ 4500	500 ÷ 4500	500 ÷ 4500
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150	150	150	-	-

Code	Description
230 V AC gearmotors tested in compliance with regulatory standards EN 12453 - EN 12445	
001 AX302304 	Irreversible gearmotor with encoder for swing gates measuring up to 3 m per leaf.
001 AX312304 	Reversible gearmotor with encoder for swing gates with leaves up to 3 m long.
001 AX402306 	Irreversible gearmotor with encoder for swing gates with leaves up to 4 m long.
001 AX412306 	Reversible gearmotor with encoder for swing gates with leaves up to 4 m long.
230 V AC Gearmotors	
001 AX71230 	Reversible gearmotor with encoder for swing gates with leaves up to 7 m long.
Control panels for 230 V AC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
002 ZM3E 	Multifunction control panel for swing gates with two leaves, graphic alerts display, self-diagnosing safety devices and on-board radio decoding.
24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
001 AX3024 	Irreversible gearmotor with encoder for swing gates measuring up to 3 m per leaf.
001 AX5024 	Irreversible gearmotor with encoder for swing gates with leaves up to 5 m long.
Control panels for 24 V gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
002 ZLJ14 	Multifunction control panel for one-leaf swing gates, with graphic programming and alerting display, and self-diagnosing safety devices.
002 ZLJ24 	Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, and self-diagnosing safety devices.
Accessories for: 002ZLJ14	
002 LB90 	Circuit board for emergency operation and battery charging.
Accessories for: 002ZLJ24	
002 LB180 	Circuit board for emergency operation and battery charging.
Accessories	
001 LOCK81	Single cylinder electric lock.
001 LOCK82	Double cylinder electric lock.



NOTES:
002LB90 - 002LB180 - Two 12 V - 1,2 Ah or 7 Ah batteries (not supplied), on the 002ZLJ14 and the 002ZLJ24 fit a suitable outer brace.

Solution for applying in private homes and apartment buildings

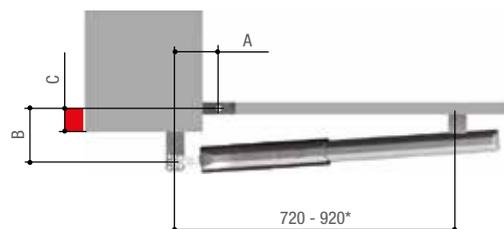
- Irreversible gearmotor.
- Amperometric obstruction detection.
- Motor and encoder management with three-wire cable in 24 V DC versions.
- Set up for operation in case of power outage in the 24 V DC versions.



Dimensions (mm)



* 001A5000 · 001A5000A · 001A5100 · 001A5100A · 001A5106 · 001A5024N



Application dimensions (mm)

MODELS	A3000 · A3000A · A3100 · A3100A · A3106 · A3024N		
LEAF OPENING (°)	A	B	C Max.
90	130	130	60
120	130	110	50

MODELS	A5000 · A5000A · A5100 · A5100A · A5106 · A5024N		
LEAF OPENING (°)	A	B	C Max.
90	200	200	120
120	200	140	70

Operational limits

MODEL	A3000 · A3000A · A3100 · A3100A · A3106 · A3024N		
Max. width of leaf (m)	3	2,5	2
Max. weight of leaf (kg)	400	600	800
Max. leaf opening (°)	120		

MODEL	A5000 · A5000A · A5100 · A5100A · A5106 · A5024N				
Max. width of leaf (m)	*5	*4	3	2,5	2
Max. weight of leaf (kg)	400	500	600	800	1000
Max. leaf opening (°)	120				

NOTES: * It is obligatory to fit an electric lock on the gate leaf.

Technical characteristics

MODELS	A3000	A3000A	A3100	A3100A	A3106
Protection rating (IP)	44	44	44	44	44
Power supply (V - 50/60 Hz)	230 AC				
Power supply to motor (V)	230 AC 50/60 Hz				
Absorption (A)	1,2	1,2	1,2	1,2	1,2
Power (W)	150	150	150	150	150
Maneuvering time at 90° (s)	19 ÷ 32	19 ÷ 32	19 ÷ 32	19 ÷ 32	28 ÷ 45
Duty/cycle (%)	50	50	50	50	50
Cycles/Hour	24	-	-	-	-
Thrust (N)	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150	150	150

Code	Description
230 V AC Gearmotors	
001 A3000	Irreversible gearmotor for swing gates with leaves measuring up to 3 m per leaf, with opening limit-switch micro-switches.
001 A3000A	Irreversible gearmotor for swing gates with up to 3 m long leaves, with opening and closing limit-switch micro-switches.
001 A3100	Reversible gearmotor for swing gates with each leaf up to 3-m long, with opening limit-switch micro-switches.
001 A3100A	Reversible gearmotor for swing gates with each leaf up to 3-m long, with closing limit-switch micro-switches.
001 A3106	Reversible geared motor for swing gates up to 3 m per leaf, with opening micro limit-switches (Slow version).
Control panels for 230 V AC gearmotors	
002 ZA3P	Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.



THE COMPLETE RANGE

Code Description

230 V AC Gearmotors	
001 A5000	Irreversible gearmotor for swing gates with up to 5 m long leaves, with opening limit-switch micro-switches.
001 A5000A	Irreversible gearmotor for swing gates with up to 5 m long leaves, with opening and closing limit-switch micro-switches.
001 A5100	Reversible gearmotor for swing gates with each leaf up to 5-m long, with opening limit-switch micro-switches.
001 A5100A	Reversible gearmotor for swing gates with up to 5 m long leaves, with opening and closing limit-switch micro-switches.
001 A5106	Reversible gearmotor for swing gates with each leaf up to 5-m long, with opening limit-switch micro-switches.
Control panels for 230 V AC gearmotors	
002 ZA3P	Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.



Technical characteristics

MODELS	A5000	A5000A	A5100	A5100A	A5106
Protection rating (IP)	44	44	44	44	44
Power supply (V - 50/60 Hz)	230 AC				
Power supply to motor (V)	230 AC 50/60 Hz				
Absorption (A)	1,2	1,2	1,2	1,2	1,2
Power (W)	150	150	150	150	150
Maneuvering time at 90° (s)	19 ÷ 32	19 ÷ 32	19 ÷ 32	19 ÷ 32	28 ÷ 45
Duty/cycle (%)	50	50	50	50	50
Cycles/Hour	15	-	-	-	-
Thrust (N)	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150	150	150

● 230 V AC

Code	Description
24 V DC gearmotors	
001 A3024N 	Irreversible gearmotor for leaves up to 3 m.
001 A5024N 	Irreversible gearmotor for gate leaves of up to 5 m, with opening limit-switch micro-switch and closing micro-switch.
Control panels for 24 V DC gearmotors	
002 ZL180 	Control panel for swing gates with two leaves, with on-board radio decoding.
Accessories for: 002ZL180	
002 LB180 	Circuit board for emergency operation and battery charging.
Accessories	
001 LOCK81	Single cylinder electric lock.
001 LOCK82	Double cylinder electric lock.
001 D001	Lock cylinder with DIN key.
001 H3000	Case with customized key, plus pull-cord handle and control button. Cord length L = 5 m.



NOTES:
 002LB180 - Two 12 V - 1.2 or 7 Ah batteries (not supplied).
 002LB180 - On the 002ZL180 only with 12 V - 1.2 Ah batteries there is a battery rack inside.
 002LB180 - On the 002ZL180 with 12 V - 7 Ah batteries, fit a suitable external battery rack.

Technical characteristics

MODELS	A3024N	A5024N
Protection rating (IP)	44	44
Power supply (V - 50/60 Hz)	-	-
Power supply to motor (V)	24 DC	24 DC
Absorption (A)	10 Max.	10 Max.
Power (W)	120	120
Maneuvering time at 90° (s)	ADJUSTABLE	ADJUSTABLE
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Cycles/Hour	-	-
Thrust (N)	400 ÷ 3000	400 ÷ 3000
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	-	-

KRONO

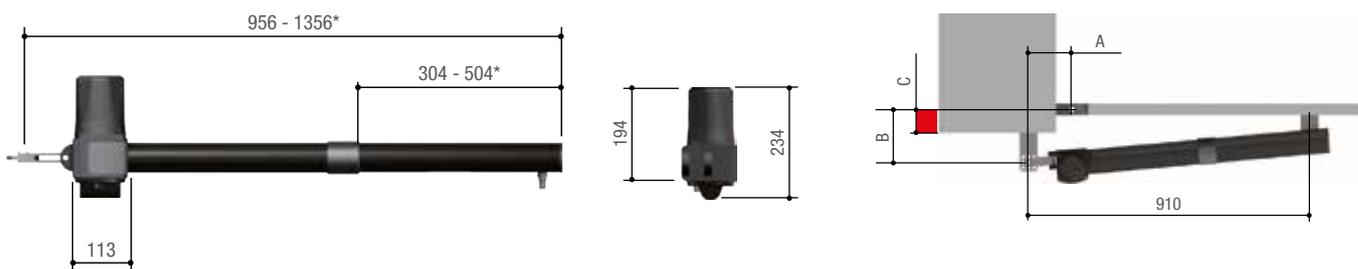
Gate leaves up to 5 m

Solution for applying in private homes

- Supporting structure in die-cast aluminium.
- Adjustable opening/closing microswitches.
- Built-in emergency release lever.



Dimensions (mm)



* 001KR510D · 001KR510S

Application dimensions (mm)

MODELS	KR300D · KR300S · KR302D · KR302S KR310D · KR310S · KR312D · KR312S		
	A	B	C Max.
LEAF OPENING (°)			
90	130	130	60
120	130	110	50

MODELS	KR510D · KR510S		
	A	B	C Max.
LEAF OPENING (°)			
90	200	200	120
130	200	140	70

Operational limits

MODEL	KR300D · KR300S · KR302D · KR302S KR310D · KR310S · KR312D · KR312S		
Max. width of leaf (m)	3	2,5	2
Max. weight of leaf (kg)	400	600	800
Max. leaf opening (°)	120		

MODEL	KR510D · KR510S				
Max. width of leaf (m)	5	4	3	2,5	2
Max. weight of leaf (kg)	400	500	600	800	1000
Max. leaf opening (°)	120				

Technical characteristics

MODELS	KR300D	KR300S	KR302D	KR302S	KR310D	KR310S	KR312D	KR312S	KR510D	KR510S
Protection rating (IP)	54	54	54	54	54	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC									
Power supply to motor (V)	230 AC									
Absorption (A)	1,1	1,1	1,35	1,35	1,1	1,1	1,35	1,35	1,1	1,1
Power (W)	240	240	300	300	240	240	300	300	240	240
Maneuvering time at 90° (s)	22	22	15	15	22	22	15	15	34	34
Duty/cycle (%)	30	30	30	30	30	30	30	30	30	30
Thrust (N)	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150	150	150	150	150	150	150	150

● 230 V AC

Code	Description
230 V AC Gearmotors	
001 KR300D	Irreversible right gearmotor for swing gates measuring up to 3 m per leaf.
001 KR300S	Irreversible left gearmotor for swing gates measuring up to 3 m per leaf.
001 KR302D	Irreversible gearmotor for swing gates with each leaf up to 3 m long. Rapid version.
001 KR302S	Irreversible, left-hand gearmotor for swing gates with each leaf up to 3 m long. Rapid version.
001 KR310D	Irreversible right gearmotor for swing gates of up to 3 m per leaf with opening and closing limit-switch micro-switches.
001 KR310S	Irreversible left gearmotor for swing gates of up to 3 m per leaf with opening and closing micro limit-switches.
001 KR312D	Irreversible, right-hand gearmotor for swing gates with each leaf up to 3-m long, with opening and closing limit-switch microswitches. Rapid version.
001 KR312S	Irreversible, left-hand gearmotor for swing gates with each leaf up to 3-m long, with opening and closing limit-switch microswitches. Rapid version.
001 KR510D	Irreversible right gearmotor for swing gates of up to 5 m per leaf with opening and closing limit-switch micro-switches.
001 KR510S	Irreversible left gearmotor for swing gates of up to 5 m per leaf with opening and closing micro limit-switches.
Control panels for 230 V AC gearmotors	
002 ZA3P	Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.
Accessories	
001 KR001	Lock cylinder with DIN key.

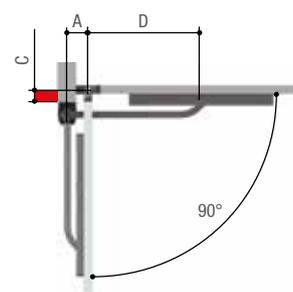
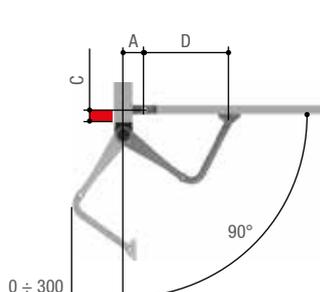
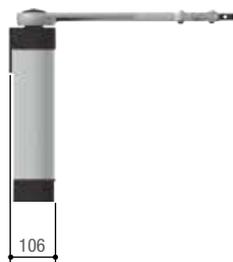
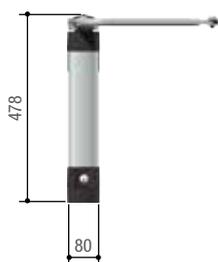




Solution for fitting on posts where little space is available

- For installations on posts with a minimum width of 8 cm.
- Encoder-based movement control.
- Reversible or irreversible gearmotor
- They can also be installed close to a wall with the STYLO-BD accessory.
- Set up for operation in case of power outage.
- Custom-key release system.

Dimensions (mm)



Application dimensions (mm)

ARTICULATED ARM		STYLO-BS	
LEAF OPENING (°)	A	D	C Max.
90	90	450	0
90	90	450	180
90	130	450	180
120	170	450	0
STRAIGHT ARM		STYLO-BD	
LEAF OPENING (°)	A	D	C Max.
90	90	400	200
90	230	300	180
135	230	300	0

Operational limits

MODEL	STYLO-ME · STYLO-RME		
Max. width of leaf (m)	1,8	1,2	0,8
Max. weight of leaf (kg)	100	125	150
Max. leaf opening (°)	120 (with STYLO-BS arm) - 135 (with STYLO-BD arm)		

Technical characteristics

MODELS	STYLO-ME	STYLO-RME
Protection rating (IP)	54	54
Power supply to motor (V)	24 DC	24 DC
Absorption (A)	5 Max.	5 Max.
Power (W)	48	48
Maneuvering time at 90° (s)	ADJUSTABLE	ADJUSTABLE
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Thrust (N)	100	100
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

Code	Description
24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
001 STYLO-ME 	Irreversible gearmotor with encoder for swing gates measuring up to 1.8 m in length per leaf.
001 STYLO-RME 	Reversible gearmotor with encoder for swing gates measuring up to 1.8 m per leaf.
Control panels for 24 V DC gearmotors tested in conformity with standards EN 12453 - EN 12445	
002 ZL92 	Control panel for two-leaved swing gates with functions display, self-diagnosing safety devices and on-board radio decoding.
Accessories for: 002ZL92	
002 LB90 	Circuit board for emergency operation and battery charging.
Accessories	
001 STYLO-BS	Folding drive arm.
001 STYLO-BD	Straight drive arm and track with mechanical opening limit-switch.
Accessories for: 001STYLO-RME	
001 LOCK81	Single cylinder electric lock.
001 LOCK82	Double cylinder electric lock.



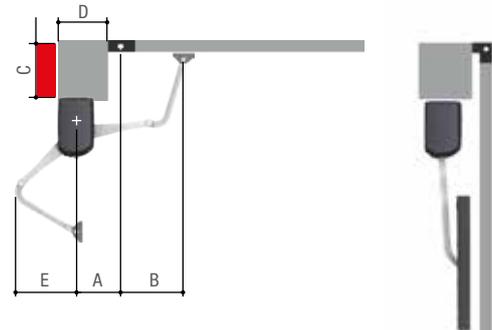
NOTES:
 002LB90 - 12 V - 1.2 Ah or 7 Ah batteries - not supplied.
 002LB90 - On the 002ZL92 with 12 V 1.2 Ah batteries there is a battery rack inside.

Solution for applying in private homes and apartment buildings, on small and medium-sized gate posts

- Encoder-based movement control.
- Control board with terminal blocks, dip switches and storage for up to 25 users.
- Set up for operation in case of power outage.
- Self-diagnosing safety devices.
- User-friendly release lever for manually opening the gate.



Dimensions (mm)



Application dimensions (mm)

MODELS	801MB-0080 · 801MB-0050				
LEAF OPENING (°)	A	B	D	E	C Max.
90	140	420 (490 with item 801XC-0070)	Min. 150	310 (410 with item 801XC-0070)	150 (300 with item 801XC-0070)
90	160 ÷ 180	380 (460 with item 801XC-0070)	Min. 150	310 (410 with item 801XC-0070)	150 (300 with item 801XC-0070)
110	200 ÷ 220	400 (470 with item 801XC-0070)	Min. 150	310 (410 with item 801XC-0070)	50 (300 with item 801XC-0070)

Operational limits

MODELS	801MB-0080 · 801MB-0050		
Max. length of leaf (m)	2	1,7	1
Max. weight of leaf (kg)	200	225	250
Max. leaf opening (°)		110	

Technical characteristics

MODELS	801MB-0080	801MB-0050
Protection rating (IP)	44	44
Power supply (V - 50/60 Hz)	230 AC	-
Power supply to motor (V)	24 DC	24 DC
Absorption (A)	4 Max.	4 Max.
Power (W)	140	140
Maneuvering time at 90° (s)	from 19 to 25	from 20 to 30
Thrust (N)	180	180
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

Code Description

Complete operators with 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445

801MB-0080



FTL20DGC - Irreversible operator featuring a control board with dip-switch settings, on-board radio decoding and hinged transmission arm for swing gates with leaves each up to 2 m long. RAL7024-grey cover.



24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445

801MB-0050



FTX20DGS - Irreversible gearmotor with hinged transmission-arm for swing gates with leaves each up to 2 m long and maximum C-distance of 150 mm. RAL7024-grey cover.



Accessories for: 801MB-0080

001**RGP1**

Green Power module.



001**R800**

Control board for decoding and access-control management via keypad selectors.



Accessories for: 801MB-0080

002**RLB**



Circuit board for emergency operation and battery charging.



Accessories

001**STYLO-BD**

Straight drive arm and track with mechanical opening limit-switch.



801XC-0070

Hinged arm for increasing the maximum C-distance.



EASY RELEASE!

In emergencies or during power outages, the key-activated release is quick to get to and easy to use.

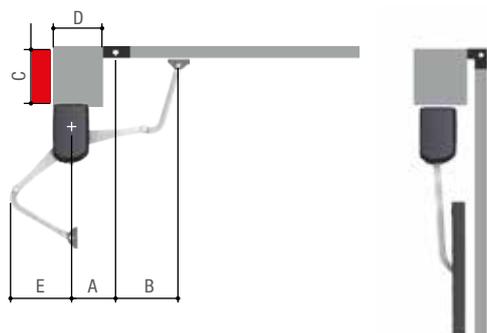
The handy lever releases the gearmotor for manually opening the gate.



Solution for applying in private homes and apartment buildings, on small and medium-sized gate posts

- Encoder-based movement control.
- Control board with terminal blocks, display and storage for up to 250 users.
- Set up for operation in case of power outage.
- Self-diagnosing safety devices.
- User-friendly release lever for manually opening the gate.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



Application dimensions (mm)

MODELS					801MB-0070 · 801MB-0050	801MB-0110 · 801MB-0120
LEAF OPENING (°)	A	B	D	E	C Max.	C Max.
90	140	420 (490 with item 801XC-0070)	Min. 150	310 (410 with item 801XC-0070)	150 (300 with item 801XC-0070)	250 (300 with item 801XC-0070)
90	160 ÷ 180	380 (460 with item 801XC-0070)	Min. 150	310 (410 with item 801XC-0070)	150 (300 with item 801XC-0070)	250 (300 with item 801XC-0070)
110	200 ÷ 220	400 (470 with item 801XC-0070)	Min. 150	310 (410 with item 801XC-0070)	50 (300 with item 801XC-0070)	50 (300 with item 801XC-0070)

Operational limits

MODELS	801MB-0070 · 801MB-0050 · 801MB-0110 · 801MB-0120			
Max. length of leaf (m)		2	1,7	1
Max. weight of leaf (kg)		200	225	250
Max. leaf opening (°)			110	

Technical characteristics

MODELS	801MB-0070	801MB-0110	801MB-0050	801MB-0120
Protection rating (IP)	44	44	44	44
Power supply (V - 50/60 Hz)	230 AC	230 AC	-	-
Power supply to motor (V)	24 DC	24 DC	24 DC	24 DC
Absorption (A)	4 Max.	4 Max.	4 Max.	4 Max.
Power (W)	140	140	140	140
Maneuvering time at 90° (s)	from 20 to 30			
Thrust (N)	180	180	180	180
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

Code	Description
Complete operators with 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
801MB-0070 	FTX20DGC - Irreversible operator featuring a control board with functions display, on-board radio decoding and hinged transmission arm for swing gates with leaves each up to 2 m long and maximum C-distance of 150 mm. RAL7024-grey cover.
801MB-0110 	FTX20DLC - Irreversible operator featuring a control board with functions display, on-board radio decoding and hinged transmission arm for swing gates with leaves each up to 2 m long and maximum C-distance of 250 mm. RAL7024-grey cover.
24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
801MB-0050 	FTX20DGS - Irreversible gearmotor with hinged transmission-arm for swing gates with leaves each up to 2 m long and maximum C-distance of 150 mm. RAL7024-grey cover.
801MB-0120 	FTX20DLS - Irreversible gearmotor with hinged transmission-arm for swing gates with leaves each up to 2 m long and maximum C-distance of 250 mm. RAL7024-grey cover.



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Cloud connectivity changes how we experience operators. This technology revamps our lifestyles, to ensure comfort and safety.

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EASY RELEASE!

In emergencies or during power outages, the key-activated release is quick to get to and easy to use.

The handy lever releases the gearmotor for manually opening the gate.

THE COMPLETE RANGE

Code Description

Accessories for: 801MB-0070 - 801MB-0110

001 RGP1	Green Power module.
002 RSE	Interface card for controlling two operators or for enabling the Came Remote Protocol.
001 R700	Card for decoding and access control with transponder.
001 R800	Control board for decoding and access-control management via keypad selectors.

Accessories for: 801MB-0070 - 801MB-0110

002 RLB	Circuit board for emergency operation and battery charging.
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Accessories

001 LOCK81	Single cylinder electric lock.
001 LOCK82	Double cylinder electric lock.
001 STYLO-BD	Straight drive arm and track with mechanical opening limit-switch.
001 H3000	Case with customized key, plus pull-cord handle and control button. Cord length L = 5 m.
001 RSWN001	Pull-cord release device for operators.



FAST 70

Gate leaves up to 2,3 m

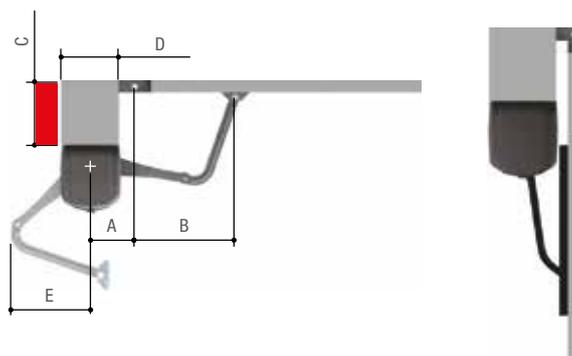
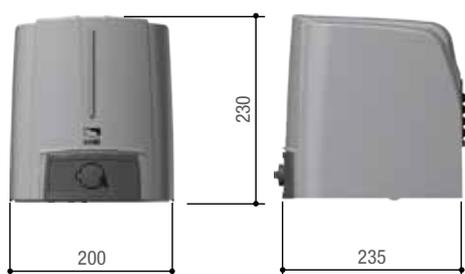


Solution for applying in private homes and apartment buildings, on medium and large-sized gate posts

- Control board with terminal blocks, display and storage for up to 250 users.
- Set up for operation in case of power outage.
- Self-diagnosing safety devices.
- Also available in 230 V AC version with technical specifications other those indicated above.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Application dimensions (mm)

MODELS	FA70230CB · FA70230 · FA7024CB · FA7024					801MB-0090 · 801MB-0100				
LEAF OPENING (°)	A	B	D	E	C Max.	A	B	D	E	C Max.
90	140	420 (490*)	Min. 200	260 (350*)	200 (300*)	140	490	Min. 200	410	300
90	160	380 (460*)	Min. 220	240 (320*)	200 (300*)	160	460	Min. 220	410	300
90	180	380 (460*)	Min. 240	240 (320*)	200 (300*)	180	460	Min. 240	410	300
110	220	380 (450*)	Min. 280	310 (400*)	50 (50*)	220	470	Min. 280	410	50
110	240	380 (450*)	Min. 300	310 (400*)	50 (50*)	240	470	Min. 300	410	50

* with item 801XC-0070

Operational limits

MODEL	FA70230CB · FA70230 · FA7024CB · FA7024				801MB-0090 · 801MB-0100	
Max. width of leaf (m)	2,3		2		1,5	
Max. weight of leaf (kg)	200		215		250	
Max. leaf opening (°)	110					

Technical characteristics

MODELS	FA70230CB	FA70230	FA7024CB	FA7024	801MB-0090	801MB-0100
Protection rating (IP)	54	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	-	230 AC	-
Power supply to motor (V)	230 AC	230 AC	24 DC	24 DC	24 DC	24 DC
Absorption (A)	1,4	1,4	-	-	-	-
Power (W)	160	160	140	140	140	140
Maneuvering time at 90° (s)	15	15	13 ÷ 30	13 ÷ 30	13 ÷ 30	13 ÷ 30
Duty/cycle (%)	30	30	-	-	-	-
Cycles/Hour	-	-	65	65	65	65
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	-	-	-	-

● 230 V AC ● 24 V DC

Code	Description
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230 V AC automated operators

001**FA70230CB** Irreversible operator with control board and jointed transmission-arm for swing gates with each leaf up to 2.3 m long.



230 V AC Gearmotors

001**FA70230** Irreversible gearmotor with folding drive arm for swing gates measuring up to 2.3 m per leaf.



Automated operators running on 24 V DC with max. C-distance of 200 mm tested in compliance with standards EN 12453 - EN 12445

001**FA7024CB** Irreversible operator featuring a control board with functions display, on-board radio decoding and hinged transmission arm for swing gates with leaves each up to 2.3 m long and maximum C-distance of 200 mm.



Gearmotors running on 24 V DC with max. C-distance of 200 mm tested in compliance with standards EN 12453 - EN 12445

001**FA7024** Irreversible gearmotor with hinged transmission-arm for swing gates with leaves each up to 2.3 m long and maximum C-distance of 200 mm.



Automated operators running on 24 V DC with max. C-distance of 300 mm tested in compliance with standards EN 12453 - EN 12445

801**MB-0090** FST23DLC - Irreversible operator featuring a control board with functions display, on-board radio decoding and hinged transmission arm for swing gates with leaves each up to 2.3 m long and maximum C-distance of 300 mm.



Gearmotors running on 24 V DC with max. C-distance of 300 mm tested in compliance with standards EN 12453 - EN 12445

801**MB-0100** FST23DLS - Irreversible gearmotor with hinged transmission-arm for swing gates with leaves each up to 2.3 m long and maximum C-distance of 300 mm.



Control panels running on 24 V DC tested in compliance with standards EN 12453 - EN 12445

002**ZL65** Control panel for one or two-leaf swing gates, with programming display, on-board radio decoding and self-diagnosing safety devices.

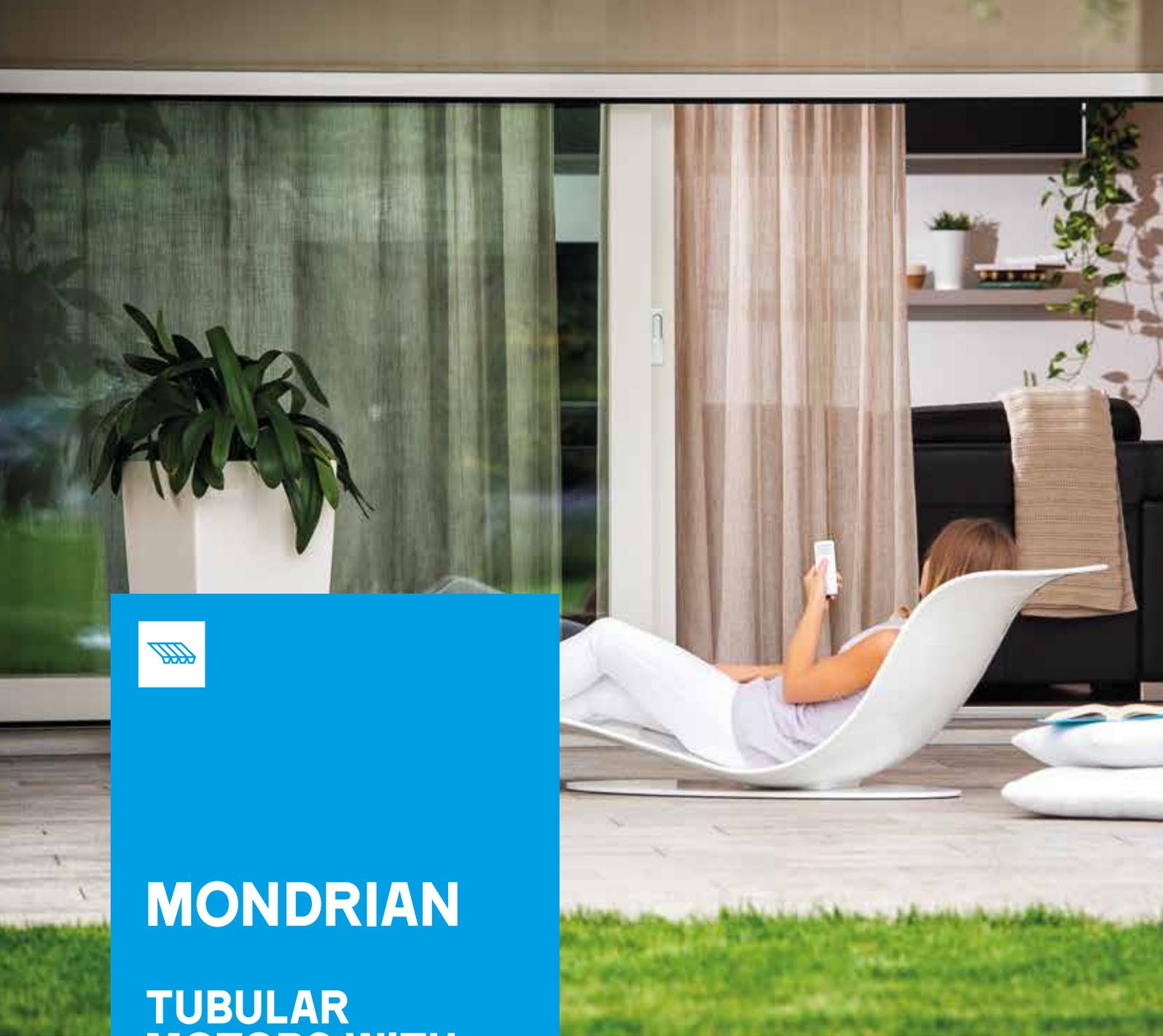


THE COMPLETE RANGE

Code	Description
Accessories for: 002ZL65	
001 RGP1	Green Power module.
001 R700	Card for decoding and access control with transponder.
001 R800	Control board for decoding and access-control management via keypad selectors.
002 RSE	Interface card for controlling two operators or for enabling the Came Remote Protocol.
Accessories for: 002ZL65	
002 RLB	Circuit board for emergency operation and battery charging.
Accessories for: 002RLB	
001 LBF70	Batteries brace kit.
Accessories	
001 STYLO-BD	Straight drive arm and track with mechanical opening limit-switch.
001 LOCK81	Single cylinder electric lock.
001 LOCK82	Double cylinder electric lock.
001 H3000	Case with customized key, plus pull-cord handle and control button. Cord length L = 5 m.



NOTES:
 002RLB - Two 12 V - 3.4 Ah batteries - not supplied - on the 001FA7024 the internal housing is included.



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TUBULAR
MOTORS WITH
MECHANICAL
LIMIT SWITCH

CAME 

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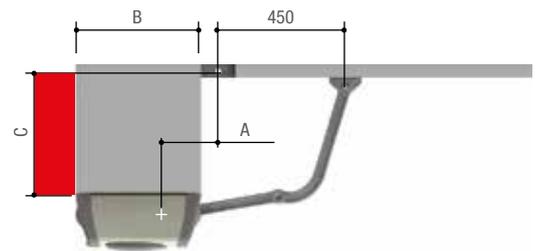
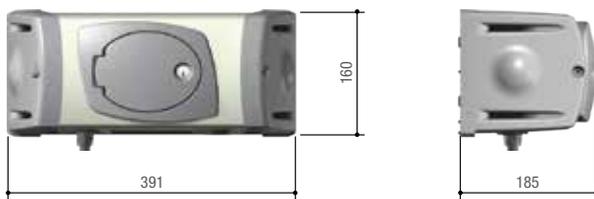


Solution for applying in private homes and apartment buildings, on large-sized gate posts

- Encoder-based movement control.
- Solid anodized aluminium cover.
- Straight transmission arms for applications in limited space (item 001FERNI-BDX - 001FERNI-BSX).
- Lever release system protected by key.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Application dimensions (mm)

MODELS	FE40230 · FE40230V · FE4024 · FE4024V		
LEAF OPENING (°)	A	B min.	C Max.
90	150	390	380
120	200	390	0

Operational limits

MODEL	FE40230 · FE40230V · FE4024 · FE4024V				
Max. width of leaf (m)	4*	3,5*	3*	2,5*	2
Max. weight of leaf (kg)	400	450	500	600	800
Max. leaf opening (°)	120				

MODEL	FE4024 (with the 001FERNI-BDX and 001FERNI-BSX drive arm)		
Max. width of leaf (m)	2,5	2	1,5
Max. weight of leaf (kg)	300	500	500
Max. leaf opening (°)	120		

NOTES: *Fitting an electro-lock onto the leaf is obligatory.

Technical characteristics

MODELS	FE40230	FE40230V	FE4024	FE4024V
Protection rating (IP)	44	44	44	44
Power supply (V - 50/60 Hz)	230 AC	230 AC	-	-
Power supply to motor (V)	230 AC 50/60 Hz	230 AC 50/60 Hz	24 DC	24 DC
Absorption (A)	1,2	1,3	7 Max.	5 Max.
Power (W)	140	150	130	150
Maneuvering time at 90° (s)	34	18	ADJUSTABLE	ADJUSTABLE
Duty/cycle (%)	30	30	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Thrust (N)	540	320	360	360
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	-	-

Code	Description
230 V AC Gearmotors	
001 FE40230V 	Irreversible geared motor with jointed drive arm for swing gates with leaves of up to 4 m each (Rapid version).
Control panels for 230 V AC gearmotors	
002 ZM3E 	Multifunction control panel for swing gates with two leaves, graphic alerts display, self-diagnosing safety devices and on-board radio decoding.
230 V AC gearmotors tested in compliance with regulatory standards EN 12453 - EN 12445	
001 FE40230 	Irreversible gearmotor with folding drive arm for swing gates measuring up to 4 m per leaf.
Control panels for 230 V AC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
002 ZM3E 	Multifunction control panel for swing gates with two leaves, graphic alerts display, self-diagnosing safety devices and on-board radio decoding.
24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
001 FE4024 	Irreversible gearmotor with folding drive arm for swing gates measuring up to 4 m per leaf.
001 FE4024V 	Irreversible geared motor featuring a jointed drive arm for swing gates with leaves of up to 4 m each (Rapid version).
Control panels for 24 V gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
002 ZLJ14 	Multifunction control panel for one-leaf swing gates, with graphic programming and alerting display, and self-diagnosing safety devices.
002 ZLJ24 	Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, and self-diagnosing safety devices.
Accessories for: 002ZLJ14	
002 LB90 	Circuit board for emergency operation and battery charging.
Accessories for: 002ZLJ24	
002 LB180 	Circuit board for emergency operation and battery charging.
Accessories for: 001FE40230 - 001FE4024	
001 FERNI-BDX	Straight right-hand drive arm and track.
001 FERNI-BSX	Straight left-hand drive arm and track.
Accessories	
001 LOCK81	Single cylinder electric lock.
001 LOCK82	Double cylinder electric lock.
001 H3000	Case with customized key, plus pull-cord handle and control button. Cord length L = 5 m.



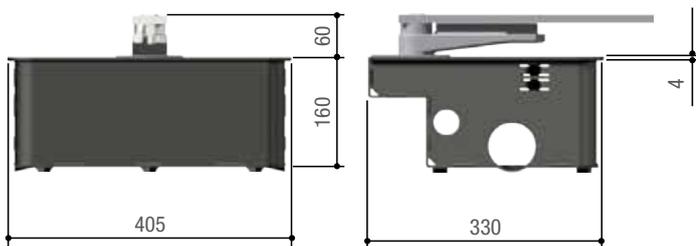
NOTES:
 002LB90 - 002LB180 - Two 12 V - 7 Ah batteries not supplied. Set up a suitable external housing on: 001FE4024 - 001FE4024V
 WARNING: 001FE40230V + 002ZM3E are not tested in compliance with standards EN12453 - EN 12445.

Concealed solution for applying in private homes or apartment buildings

- The invisible solution to power your gate
- Protection rating against weathering agents IP67.
- Foundation box in steel with anticorrosive treatment, or in AISI 304 stainless steel.
- Automatic re-hooking of the release system after the gate manual maneuver.
- Integrated, adjustable mechanical limit switches.
- Opening up to 180° (with FL-180 accessory).
- Set up for operation in case of power outage in the 24 V DC versions.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



A = Min. 67

Operational limits

MODEL	FROG-AV			
Max. width of leaf (m)				1,3
Max. weight of leaf (kg)				300
MODEL	FROG-A · FROG-AE			
Max. width of leaf (m)	*3,5	*2,5	2	-
Max. weight of leaf (kg)	400	600	800	-
MODEL	FROG-A24 · FROG-A24E			
Max. width of leaf (m)	*3,5	*2,5	2	-
Max. weight of leaf (kg)	400	600	800	-
Max. leaf opening (°)	110			
NOTES: * Fitting an electro-lock onto the leaf is advisable.				

Technical characteristics

MODELS	FROG-AE	FROG-A	FROG-AV	FROG-A24	FROG-A24E
Protection rating (IP)	67	67	67	67	67
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	-	-
Power supply to motor (V)	230 AC	230 AC	230 AC	24 DC	24 DC
Absorption (A)	1,9	1,9	2,5	15 Max.	15 Max.
Power (W)	460	460	300	180	180
Maneuvering time at 90° (s)	18	18	9	ADJUSTABLE	ADJUSTABLE
Duty/cycle (%)	30	30	30	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Cycles/Hour	11	11	-	-	-
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150	-	-

● 230 V AC ● 24 V DC

Code	Description
230 V AC below-ground gearmotors	
001 FROG-A	Underground irreversible geared-motor for swing gates up to 3.5 m in length per leaf, with adjustable leaf-closing.
001 FROG-AV	Underground irreversible geared-motor for swing gates up to 1.3 m in length per leaf, with adjustable leaf-closing (Rapid version).
Control panels for 230 V AC gearmotors	
002 ZA3P	Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.
Below-ground 230 V AC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
001 FROG-AE 	Underground irreversible geared-motor with encoder for swing gates up to 3,5 m each leaf, with adjustable leaf-closing.
Control panels for 230 V AC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
002 ZM3E 	Multifunction control panel for swing gates with two leaves, graphic alerts display, self-diagnosing safety devices and on-board radio decoding.
Below-ground, 24 V DC operators, tested in compliance with regulatory standards EN 12453 - EN 12445	
001 FROG-A24 	Irreversible gearmotor for swing gates measuring up to 3.5 m per leaf, with adjustable closing leaf-stop.
001 FROG-A24E 	Irreversible gearmotor for swing gates of up to 3.5 m per leaf, with adjustable closing leaf-stop.
Control panels for : 001FROG-A24	
002 ZL170N 	Control panel for one-leaf swing gates.
002 ZL19N 	Control panel for swing gates with two leaves.
Control panels for : 001FROG-A24E	
002 ZLJ14 	Multifunction control panel for one-leaf swing gates, with graphic programming and alerting display, and self-diagnosing safety devices.
002 ZLJ24 	Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, and self-diagnosing safety devices.



THE COMPLETE RANGE

Code Description

Accessories for: 002ZL170N - 002ZL19N

002**LB18** Control card for operating during power outages and for recharging the batteries, with casing.



Accessories for: 002ZLJ14

002**LB90** Circuit board for emergency operation and battery charging.



Accessories for: 002ZLJ24

002**LB180** Circuit board for emergency operation and battery charging.



Accessories for: 001FROG-A - 001FROG-AV - 001FROG-AE - 001FROG-A24E

001**FL-180** Drive chain lever for up to 180° openings and gate leaves of max. 2 m in length.



Accessories

001**FROG-CFNI** Foundation box made of AISI 304 steel, with release latching lever, gate fastening brace and screw for adjusting the opening limit point.



001**FROG-CFN** Steel, cathaphoresis treated foundation box, featuring release transmission, gate fastening brace and spring for adjusting the opening limit-switch point.



001**LOCK81** Single cylinder electric lock.



001**LOCK82** Double cylinder electric lock.



001**A4364** Release device with lever key.



001**A4365** Release device with trilobe key.



001**A4366** Release device with customized key and EURO-DIN cylinder.



001**A4370** Drive lever for openings of up to 140° and gate leaves of max. 2 m in length.



NOTES:

002LB90 - 002LB180 - Two 12 V - 1,2 Ah or 7 Ah batteries (not supplied), on the 002ZLJ14 and the 002ZLJ24 fit a suitable outer brace.
002LB18 - With three 12 V - 6 Ah batteries there is a battery rack inside.

001FL-180 - 001A4370 - Accessories for 2-m long gate leaves.

FROG PLUS

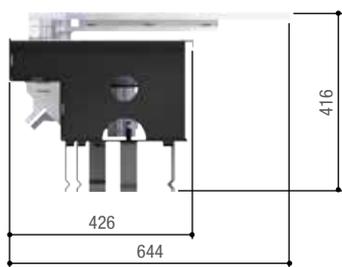
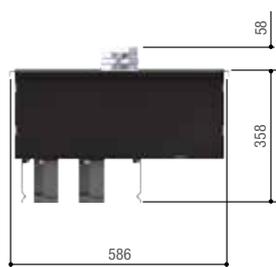
Gate leaves up to 7 m



Concealed solution for applying in private homes or apartment buildings

- The invisible solution to power your gate
- Protection rating against weathering agents IP67.
- Equipped with encoder.
- Integrated, adjustable mechanical limit switches.
- Automatic re-hooking of the release system after the gate manual maneuver.
- Opening up to 180° (with FL-180 accessory).
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



A = Min. 94

Operational limits

MODEL	FROG-PM4				
Max. width of leaf (m)	5,5*	4,5*	3,5*	2,5*	1,5
Max. weight of leaf (kg)	700	900	1100	1400	1800
MODEL	FROG-PM6				
Max. width of leaf (m)	7*	6	5*	4*	
Max. weight of leaf (kg)	550	650	800	1000	
Max. leaf opening (°)	110				

NOTES: * It is obligatory to fit an electric lock on the gate leaf.

Technical characteristics

MODELS	FROG-PM4	FROG-PM6
Protection rating (IP)	67	67
Power supply (V - 50/60 Hz)	230 AC	230 AC
Power supply to motor (V)	230 AC	230 AC
Absorption (A)	5,1	2,6
Power (W)	1200	600
Maneuvering time at 90° (s)	30	45
Duty/cycle (%)	50	50
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150

● 230 V AC

Code	Description
230 V AC below-ground gearmotors	
001 FROG-PM4 	Underground irreversible geared-motor for swing gates up to 5.5 m in length per leaf, with adjustable leaf-closing.
001 FROG-PM6 	Underground irreversible geared-motor with encoder for swing gates up to 7 m per leaf, with adjustable leaf-closing.
Control panels for 230 V AC gearmotors	
002 ZM3EP 	Multifunction control panel for swing gates with two leaves, programming and alerts display, plus self-diagnosing safety devices.
Accessories	
001 FROG-PC	Steel, cataphoresis treated foundation box, featuring release transmission, gate fastening brace and spring for adjusting the opening limit-switch point.
001 A4801	Micro limit-switch.
001 A4364	Release device with lever key.
001 A4365	Release device with trilobe key.
001 A4366	Release device with customized key and EURO-DIN cylinder.
001 LOCK81	Single cylinder electric lock.
001 LOCK82	Double cylinder electric lock.



SUPER FROG

Gate leaves up to 8 m

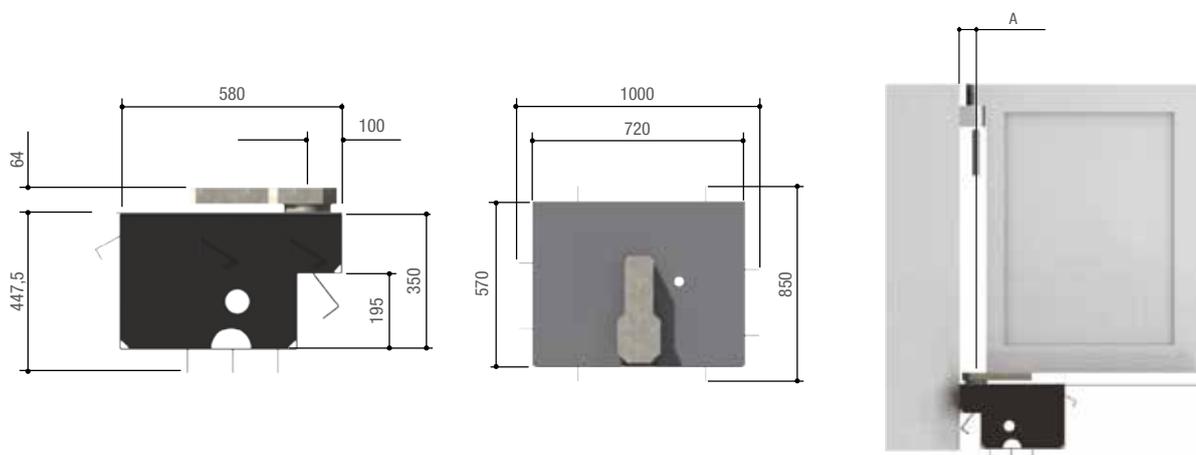


Concealed solution for special applications

- The invisible solution to power your gate
- Power supply 230 - 400 V AC triphase to offer maximum performance
- Protection rating against weathering agents IP67.
- Integrated, adjustable mechanical limit switches.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



A = Min. 100

Operational limits

MODEL	FROG-MD · FROG-MS					
Max. width of leaf (m)	8	7	6	5	4	< 4
Max. weight of leaf (kg)	600	700	800	1000	1200	1500
Max. leaf opening (°)	95					

Technical characteristics

MODELS	FROG-MD	FROG-MS
Protection rating (IP)	67	67
Power supply (V - 50/60 Hz)	230-400 V AC THREE PHASE	230-400 V AC THREE PHASE
Power supply to motor (V)	230-400 V AC THREE PHASE	230-400 V AC THREE PHASE
Absorption (A)	2.5 max.	2.5 max.
Power (W)	600	600
Maneuvering time at 90° (s)	45	45
Duty/cycle (%)	50	50
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

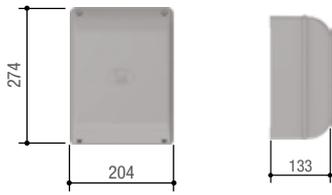
● 230 – 400 V AC THREE PHASE

Code	Description
230 - 400 V AC three-phase below-ground gearmotors	
001 FROG-MD 	Underground irreversible geared-motor with encoder for swing gates up to 8 m per leaf.
001 FROG-MS 	Left-side underground irreversible geared-motor with encoder for swing gates up to 8 m per leaf.
230 - 400 V AC three-phase control panels	
002 ZM3ES  	Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, and self-diagnosing safety devices.
Foundation box	
001 FROG-CD	Right-hand, steel cathaphoresis-treated, foundation-casing, complete with release latching-lever, gate-fastening brace and mechanical stop.
001 FROG-CS	Left-hand, steel cathaphoresis-treated, foundation-casing, complete with release latching-lever, gate-fastening brace and mechanical stop.

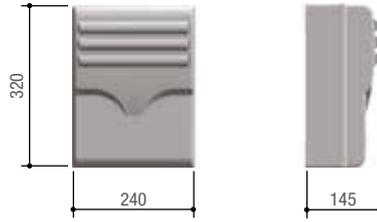


CONTROL PANEL DIMENSIONS

Dimensions (mm)



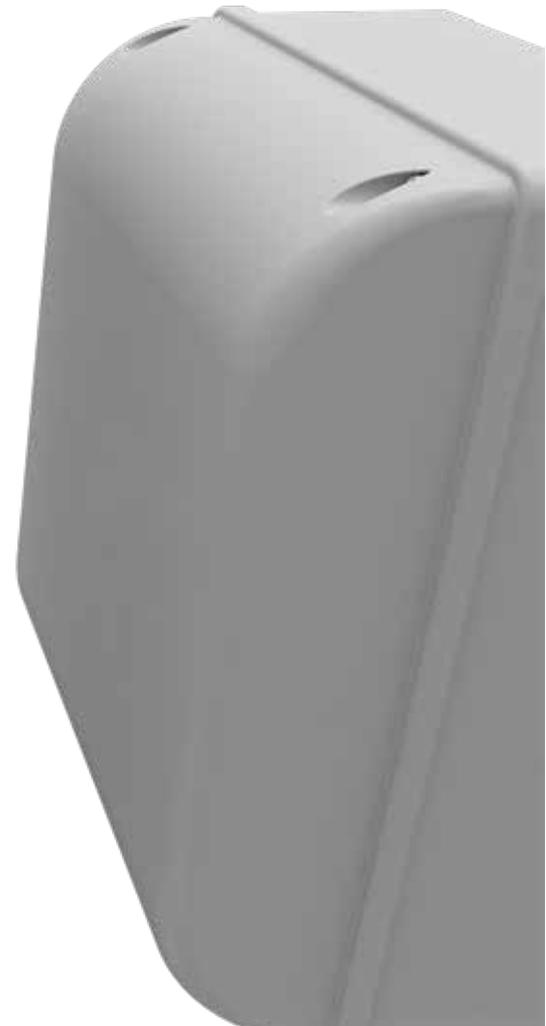
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002ZA3P
002ZL170N
002ZL65
002ZL60
002ZL65-110
002ZA3P110



002ZL92
002ZLJ14
002ZLJ24
002ZM3E
002ZM3EP
002ZL19N
002ZL180
002LB18



002ZM3ES



The table lists all of the characteristics of swing-gate control panels. The ones in bold type are important for choosing which operator to install and should be assessed from the start.

Models / Series	ATI KRONO FROG FAST70 FERNI	AXO FERNI FROG	FROG PLUS	SUPER FROG	AXI FTX FAST70	AXL FTL	STYLO	AXO FROG FERNI	AXO FROG FERNI	FROG	FROG	ATI
Control board / Control panel	ZA3P	ZM3E	ZM3EP	ZM3ES	ZL65	ZL60	ZL92	ZLJ24	ZLJ14	ZL170N	ZL19N	ZL180
Safety												
SELF-DIAGNOSING safety devices	●	●	●	●	●	●	●	●	●	●	●	●
PRE-FLASHING when opening and closing	●	●	●	●	●	●	●	●	●	●	●	●
REOPENING during closing	●	●	●	●	●	●	●	●	●	●	●	●
CLOSING AGAIN during opening	●	●	●	●	●	●	●	●	●	●	●	●
Obstruction WAIT		●	●	●	●	●	●	●	●			
TOTAL STOP	●	●	●	●	●	●	●	●	●	●	●	●
PARTIAL STOP	●	●	●	●	●	●	●	●	●	●	●	●
OBSTRUCTION DETECTION in front of photocells	●	●	●	●	●	●	●	●	●	●	●	●
ENCODER		●	●		●	●	●	●	●			
MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device.		●	●		●	●	●	●	●			
AMPEROMETRIC DETECTION					●	●	●	●	●	●	●	●
Command												
PEDESTRIAN OPENING 1 leaf		●	●	●	●	●	●	●	●		●	●
PARTIAL OPENING 1 leaf	●	●	●	●	●	●		●	●			
OPEN ONLY from transmitter and/or from button	●	●	●	●	●	●	●	●	●	●	●	●
ONLY OPEN or ONLY CLOSE button connection	●	●	●	●	●	●	●	●	●	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or button	●	●	●	●	●	●	●	●	●	●	●	●
OPEN-CLOSE-INVERT from the transmitter and/or button	●	●	●	●	●	●	●	●	●	●	●	●
MAINTAINED ACTION	●	●	●	●	●	●	●	●	●	●	●	●
DELAYED OPENING 1st leaf	●	●	●	●	●	●	●	●	●		●	●
DELAYED OPENING 2nd leaf	●	●	●	●	●	●	●	●	●		●	●
Characteristics												
FLASHING LIGHT connection	●	●	●	●	●	●	●	●	●	●	●	●
CYCLE LIGHT connection	●	●	●	●	●		●	●	●	●	●	●
COURTESY LIGHT connection	●	●	●	●	●	●		●	●			
Antenna	●	●	●	●	●	●	●	●	●	●	●	●
OPEN ALERT LIGHT connection	●	●	●	●	●	●	●	●	●	●	●	●
Contact output for 2nd RADIO CHANNEL		●	●	●			●	●	●	●	●	●
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●	●	●	●	●	●	●
OPERATING TIME adjusting	●	●	●	●	●	●	●	●	●	●		
Connection for the ELECTRIC LOCK and/or RAMMING	●	●	●	●	●		●	●	●	●	●	●
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●	●	●	●	●	●	●	●	●	●
OPENING and/or CLOSING slow downs	●	●	●		●	●	●	●	●	●	●	●
EMERGENCY BATTERY operation (optional)					●	●	●	●	●	●	●	●
Adjustable TRAVEL and SLOW-DOWN speeds*	●	●	●		●	●	●	●	●	●	●	●
DISPLAY	●	●	●	●	●		●	●	●			
SELF-LEARNING opening and closing limit-switches	●	●	●		●	●	●	●	●			
CAME Connect		●	●	●	●			●				
Designed to fit RIO System 2.0					●							
CRP control		●	●	●	●			●				
ENERGY SAVINGS control (001RGP1)					●	●						

● 230 V AC ● 24 V DC ● 230 – 400 V AC THREE PHASE

NOTES: * 002ZA3P, 002ZM3E and 002ZM3EP only slow-down speed.

ATS - 8K01MP-023 KIT



KITS FOR 2-LEAVES SWING GATES

- Swing gates up to 400 kg
- Maximum leaf length 3 m

Code	Description	Quantity
801MP-0050 	ATS30AGS - Irreversible telescopic 230 V gearmotor for swing gates with C Max. 200 mm with leaves up to 3 m long that weighs up to 400 kg. RAL7024-gray color.	2
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0102	TOPD4FKS - Four-channel, double-frequency, self-learning transmitter, black (16,777,216 in TAM mode, 4,096 combinations in TOP mode).	1
001 KLED	LED flashing light signaller.	1
001 KIAROS	Wall-fastening base.	1
002 ZA3P	Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.	1
001 DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1



KITS FOR 2-LEAVES SWING GATES

- Swing gates up to 400 kg
- Maximum leaf length 3 m

Code	Description	Quantity
801MP-0070 	ATS30DGS – Irreversible telescopic 24 V gearmotor with encoder for swing gates with C Max. 200 mm with leaves up to 3 m long that weighs up to 400 kg. RAL7024-gray color.	2
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KLED24 	LED flashing light signaller.	1
001 KIAROS	Wall-fastening base.	1
002 ZL65 	Control panel for one or two-leaf swing gates, with programming display, on-board radio decoding and self-diagnosing safety devices.	1

AXL - 8K01MP-016 KIT



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 2.2 m per leaf
- Max leaf weight 200 kg

Code	Description	Quantity
801MP-0020	AXL20DGS - Irreversible gearmotor with encoder for swing gates with leaves up to 2 m long. RAL7024-grey color.	2
 		
002 ZL60	Control panel for one or two-leaf swing gates, dip-switch setting, on-board radio decoding and self-diagnosing safety devices.	1
		
806TS-0111	TOPD2RBS - Two-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 AF43S	Plug-in radio-frequency control card.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
		
001 KLED24	LED flashing light signaller.	1
		



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 2 m per leaf
- Max leaf weight 200 kg

Code	Description	Quantity
801MP-0030 	AXI20DGS - Irreversible geared motor with encoder for swing gates with up to 2 m leaves. RAL7024-gray color.	2
002ZL65 	Control panel for one or two-leaf swing gates, with programming display, on-board radio decoding and self-diagnosing safety devices.	1
001DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001KLED24 	LED flashing light signaller.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001AF43S	Plug-in radio-frequency control card.	1
001KIAROS	Wall-fastening base.	1

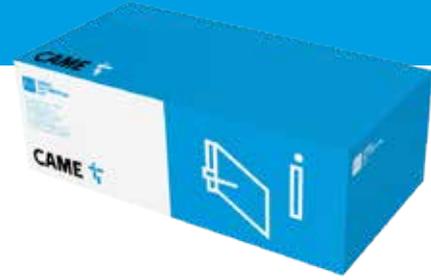
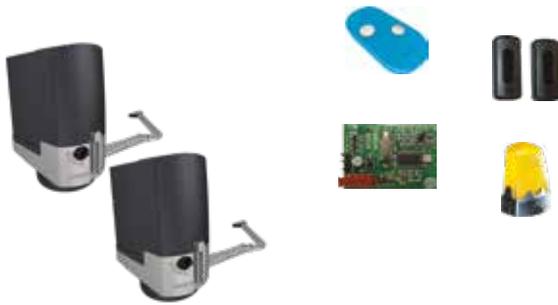
AXI - 8K01MP-006 KIT



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 2.5 m per leaf
- Max leaf weight 250 kg

Code	Description	Quantity
801MP-0040 	AXI25DGS - Irreversible geared motor with encoder for swing gates with up to 2.5 m leaves. RAL7024-gray color.	2
002ZL65 	Control panel for one or two-leaf swing gates, with programming display, on-board radio decoding and self-diagnosing safety devices.	1
001DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001KLED24 	LED flashing light signaller.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001AF43S	Plug-in radio-frequency control card.	1
001KIAROS	Wall-fastening base.	1



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 2 m per leaf
- Max leaf weight 200 kg

Code	Description	Quantity
801MB-0080 	FTL20DGC - Irreversible operator featuring a control board with dip-switch settings, on-board radio decoding and hinged transmission arm for swing gates with leaves each up to 2 m long. RAL7024-grey cover.	1
801MB-0050 	FTX20DGS - Irreversible gearmotor with hinged transmission-arm for swing gates with leaves each up to 2 m long and maximum C-distance of 150 mm. RAL7024-grey cover.	1
806TS-0111	TOPD2RBS - Two-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 AF43S	Plug-in radio-frequency control card.	1
001 DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KLED24 	LED flashing light signaller.	1

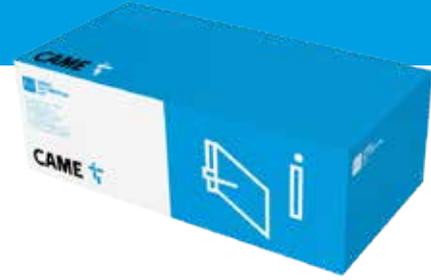
FTX - 8K01MB-006 KIT



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 2 m per leaf
- Max leaf weight 200 kg

Code	Description	Quantity
801MB-0070	FTX20DGC - Irreversible operator featuring a control board with functions display, on-board radio decoding and hinged transmission arm for swing gates with leaves each up to 2 m long and maximum C-distance of 150 mm. RAL7024-grey cover.	1
		
801MB-0050	FTX20DGS - Irreversible gearmotor with hinged transmission-arm for swing gates with leaves each up to 2 m long and maximum C-distance of 150 mm. RAL7024-grey cover.	1
		
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
		
001 KLED24	LED flashing light signaller.	1
		
001 KIAROS	Wall-fastening base.	1

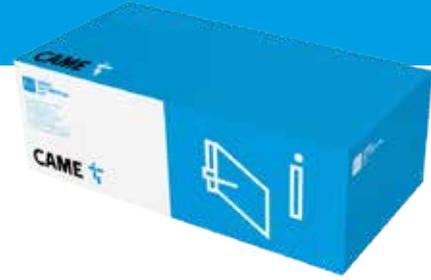


KITS FOR 2-LEAVES SWING GATES

- Swing gates up to 400 kg
- Maximum leaf length 2 m
- C max. 250 mm

Code	Description	Quantity
801MB-0110 	FTX20DLC - Irreversible operator featuring a control board with functions display, on-board radio decoding and hinged transmission arm for swing gates with leaves each up to 2 m long and maximum C-distance of 250 mm. RAL7024-grey cover.	1
801MB-0120 	FTX20DLS - Irreversible gearmotor with hinged transmission-arm for swing gates with leaves each up to 2 m long and maximum C-distance of 250 mm. RAL7024-grey cover.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001 DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KLED24 	LED flashing light signaller.	1
001 KIAROS	Wall-fastening base.	1

FAST 70 - 8K01MB-008 KIT



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 2.3 m per leaf.
- Max leaf weight 200 kg
- C max. 300 mm

Code	Description	Quantity
001 FA7024CB 	Irreversible operator featuring a control board with functions display, on-board radio decoding and hinged transmission arm for swing gates with leaves each up to 2.3 m long and maximum C-distance of 200 mm.	1
001 FA7024 	Irreversible gearmotor with hinged transmission-arm for swing gates with leaves each up to 2.3 m long and maximum C-distance of 200 mm.	1
001 AF43S	Plug-in radio-frequency control card.	1
001 DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KLED24 	LED flashing light signaller.	1
001 KIAROS	Wall-fastening base.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001 TOP-A433N	Tuned antenna.	1



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 2.3 m per leaf.
- Max leaf weight 200 kg
- Maximum C-distance of 200 mm

Code	Description	Quantity
001 FA7024CB 	Irreversible operator featuring a control board with functions display, on-board radio decoding and hinged transmission arm for swing gates with leaves each up to 2.3 m long and maximum C-distance of 200 mm.	1
001 FA7024 	Irreversible gearmotor with hinged transmission-arm for swing gates with leaves each up to 2.3 m long and maximum C-distance of 200 mm.	1
001 AF43S	Plug-in radio-frequency control card.	1
001 DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KLED24 	LED flashing light signaller.	1
001 KIAROS	Wall-fastening base.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001 TOP-A433N	Tuned antenna.	1

FAST 70 - 001U1872 KIT



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 2.3 m per leaf.
- Max leaf weight 200 kg
- Maximum C-distance of 200 mm

Code	Description	Quantity
001 FA70230CB	Irreversible operator with control board and jointed transmission-arm for swing gates with each leaf up to 2.3 m long.	1
001 FA70230	Irreversible gearmotor with folding drive arm for swing gates measuring up to 2.3 m per leaf.	1
001 AF43S	Plug-in radio-frequency control card.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
 001 KLED	LED flashing light signaller.	1
001 KIAROS	Wall-fastening base.	1
806TS-0102	TOPD4FKS - Four-channel, double-frequency, self-learning transmitter, black (16,777,216 in TAM mode, 4,096 combinations in TOP mode).	1



KITS FOR 2-LEAVES SWING GATES

- 2-leaf swing gates, max. 1.8 m per leaf
- Max leaf weight 100 kg

Code	Description	Quantity
001 STYLO-ME	Irreversible gearmotor with encoder for swing gates measuring up to 1.8 m in length per leaf.	2
001 STYLO-BS	Folding drive arm.	2
002 ZL92	Control panel for two-leaved swing gates with functions display, self-diagnosing safety devices and on-board radio decoding.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0102	TOPD4FKS - Four-channel, double-frequency, self-learning transmitter, black (16,777,216 in TAM mode, 4,096 combinations in TOP mode).	1
001 KLED24	LED flashing light signaller.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1

STYLO - 001U8212 KIT



KITS FOR 2-LEAVES SWING GATES

- 2-leaf swing gates, max. 1.8 m per leaf
- Max leaf weight 100 kg

Code	Description	Quantity
001 STYLO-RME	Reversible gearmotor with encoder for swing gates measuring up to 1.8 m per leaf.	2
 002 ZL92	Control panel for two-leaved swing gates with functions display, self-diagnosing safety devices and on-board radio decoding.	1
001 STYLO-BS	Folding drive arm.	2
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0102	TOPD4FKS - Four-channel, double-frequency, self-learning transmitter, black (16,777,216 in TAM mode, 4,096 combinations in TOP mode).	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
 001 KLED24	LED flashing light signaller.	1



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 3 m per leaf
- Max leaf weight 400 kg

Code	Description	Quantity
001 KR300D	Irreversible right gearmotor for swing gates measuring up to 3 m per leaf.	1
001 KR300S	Irreversible left gearmotor for swing gates measuring up to 3 m per leaf.	1
002 ZA3P	Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0102	TOPD4FKS - Four-channel, double-frequency, self-learning transmitter, black (16,777,216 in TAM mode, 4,096 combinations in TOP mode).	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
 001 KLED	LED flashing light signaller.	1

AX0 - 001U7337ML KIT



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 3 m per leaf
- Max leaf weight 500 kg

Code	Description	Quantity
001 AX302304	Irreversible gearmotor with encoder for swing gates measuring up to 3 m per leaf.	2
 002 ZM3E	Multifunction control panel for swing gates with two leaves, graphic alerts display, self-diagnosing safety devices and on-board radio decoding.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
 001 KLED	LED flashing light signaller.	1



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 3 m per leaf
- Max leaf weight 500 kg

Code	Description	Quantity
001 AX3024	Irreversible gearmotor with encoder for swing gates measuring up to 3 m per leaf.	2
002 ZLJ24	Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, and self-diagnosing safety devices.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KLED24	LED flashing light signaller.	1

ATI - 001U7117ML KIT



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 3 m per leaf
- Max leaf weight 400 kg

Code	Description	Quantity
001 A3024N	Irreversible gearmotor for leaves up to 3 m.	2
 002 ZL180	Control panel for swing gates with two leaves, with on-board radio decoding.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0102	TOPD4FKS - Four-channel, double-frequency, self-learning transmitter, black (16,777,216 in TAM mode, 4,096 combinations in TOP mode).	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
 001 KLED24	LED flashing light signaller.	1



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 3 m per leaf
- Max leaf weight 400 kg

Code	Description	Quantity
001 A3000	Irreversible gearmotor for swing gates with leaves measuring up to 3 m per leaf, with opening limit-switch micro-switches.	2
002 ZA3P	Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0102	TOPD4FKS - Four-channel, double-frequency, self-learning transmitter, black (16,777,216 in TAM mode, 4,096 combinations in TOP mode).	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
 001 KLED	LED flashing light signaller.	1

FROG - 001U1901ML KIT



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 3,5 m per leaf
- Max leaf weight 400 kg

Code	Description	Quantity
001 FROG-A	Underground irreversible geared-motor for swing gates up to 3.5 m in length per leaf, with adjustable leaf-closing.	2
001 FROG-CFN	Steel, cataphoresis treated foundation box, featuring release transmission, gate fastening brace and spring for adjusting the opening limit-switch point.	2
001 A4364	Release device with lever key.	2
002 ZA3P	Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0102	TOPD4FKS - Four-channel, double-frequency, self-learning transmitter, black (16,777,216 in TAM mode, 4,096 combinations in TOP mode).	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
 001 KLED	LED flashing light signaller.	1

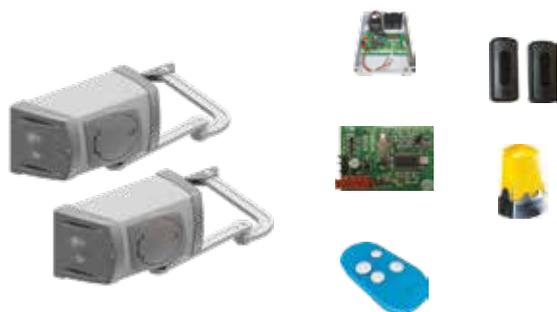


KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 3,5 m per leaf
- Max leaf weight 400 kg

Code	Description	Quantity
001 FROG-A24 	Irreversible gearmotor for swing gates measuring up to 3.5 m per leaf, with adjustable closing leaf-stop.	2
001 FROG-CFN	Steel, cataphoresis treated foundation box, featuring release transmission, gate fastening brace and spring for adjusting the opening limit-switch point.	2
001 A4364	Release device with lever key.	2
002 ZL19N 	Control panel for swing gates with two leaves.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0102	TOPD4FKS - Four-channel, double-frequency, self-learning transmitter, black (16,777,216 in TAM mode, 4,096 combinations in TOP mode).	1
001 DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KLED24 	LED flashing light signaller.	1

FERNI - 001U1274 KIT



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 4 m per leaf
- Max leaf weight 400 kg

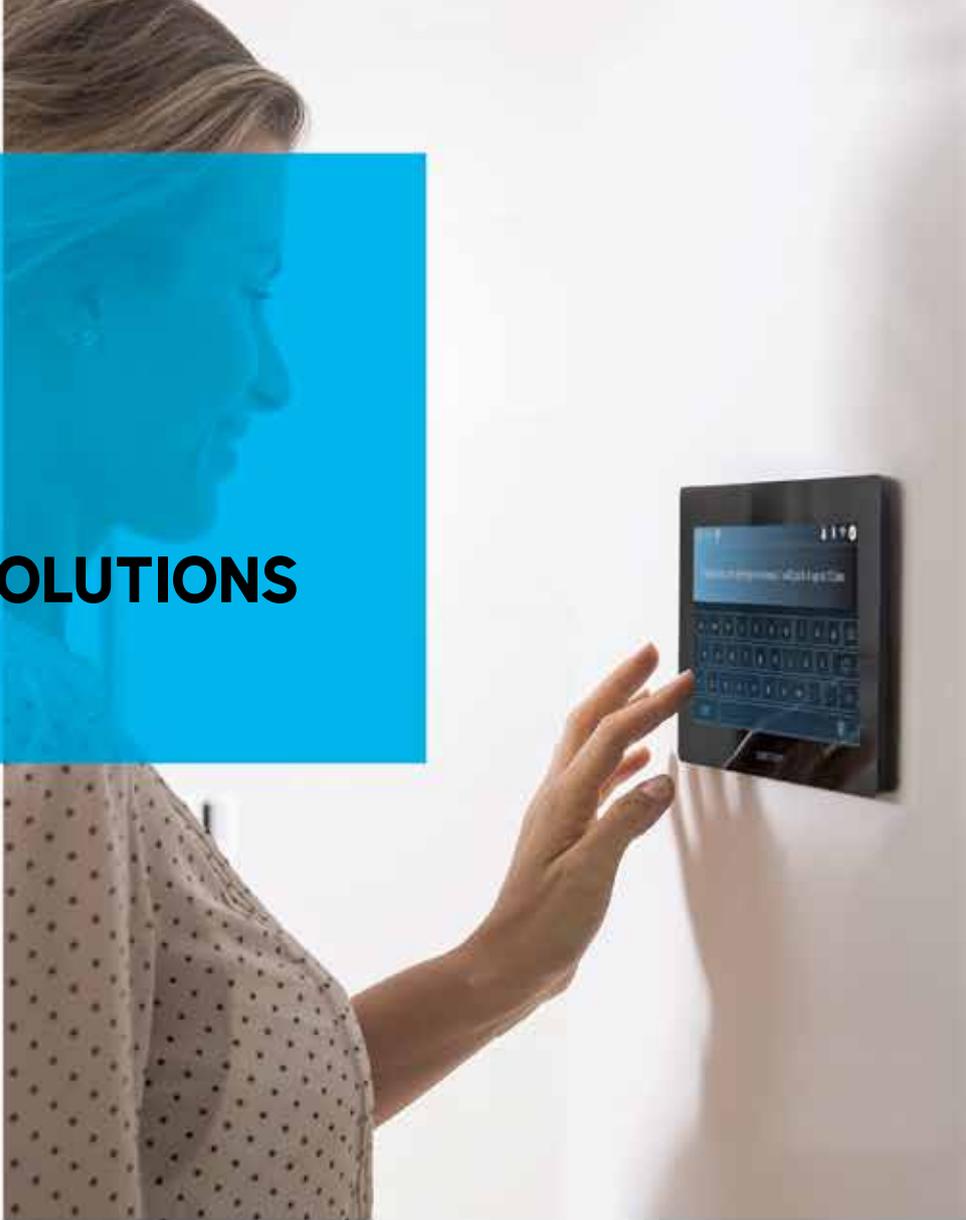
Code	Description	Quantity
001 FE40230	Irreversible gearmotor with folding drive arm for swing gates measuring up to 4 m per leaf.	2
 002 ZM3E	Multifunction control panel for swing gates with two leaves, graphic alerts display, self-diagnosing safety devices and on-board radio decoding.	1
001 AF43S	Plug-in radio-frequency control card.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
 806 TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 KLED	LED flashing light signaller.	1



KITS FOR 2-LEAVES SWING GATES

- Swing gates with two leaves measuring max. 4 m per leaf
- Max leaf weight 400 kg

Code	Description	Quantity
001 FE4024	Irreversible gearmotor with folding drive arm for swing gates measuring up to 4 m per leaf.	2
		
002 ZLJ24	Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, and self-diagnosing safety devices.	1
		
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
		
001 KLED24	LED flashing light signaller.	1
		



DISCOVER THE SOLUTIONS OF VIDEO DOOR ENTRY SYSTEM

INTERCOM RECEIVERS

Intercom and video intercom-entry solutions with modern design and technology

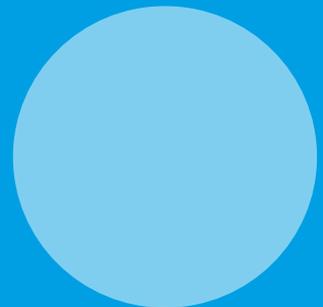
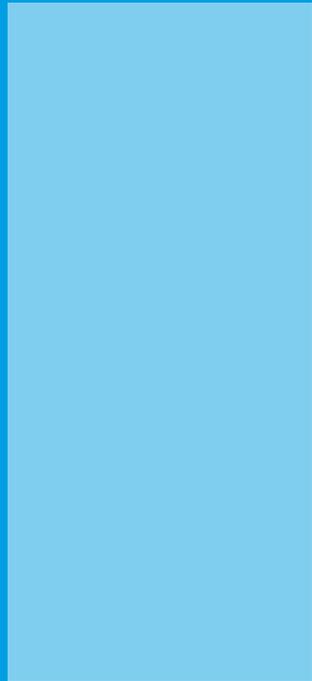
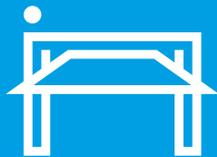
ENTRY PANELS

Advanced single-block or modular devices for single users or for large housing complexes





GARAGE DOOR AUTOMATION



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Selection guide

Garage doors automations

The table summarizes the series and models with their maximum operational limits according to the door surface or the traction force.

Series	Model	Max. surface of the door (m ²)
EMEGA	EM4024CB	9
EMEGA	EM4024CB + EM4024	14
Series	Model	Maximum traction force (N) / Maximum door surface area (m ²)
VER	801MV-0050	600 / 9
VER	801MV-0060	800 / 12
VER PLUS	801MV-0010	1000 / 18
VER PLUS	801MV-0020	1300 / 21

● 24 V DC



COUNTER-BALANCED OVERHEAD OR SPRING LOADED PARTIALLY RETRACTING DOOR

This type of door features a counter-weighted or spring-loaded balancing system. When opening and closing the door retracts into the garage by two-thirds of its surface area.



PROTRUDING OVERHEAD GARAGE DOOR PARTIALLY RETRACTING DOOR (WITH TWO GEARMOTORS ON THE DOOR)

This type of door features a counter-weighted or spring-loaded balancing system. When opening and closing the door retracts into the garage by two-thirds of its surface area. The double gearmotor is fitted with insulated and/or pedestrian doors.



COUNTER-BALANCED OVERHEAD OR SPRING LOADED

This type of door is powered via traction system. Depending on the type of door, you will need to choose the right type of chain or belt as well as the right type of adapter arm for counter-weighted, protruding, partially-retracting overhead garage doors.



NON-PROTRUDING, TOTALLY RETRACTING, OVERHEAD GARAGE DOOR (WITH GEARMOTOR FITTED TO DOOR)

This type of door is balanced by counter-weights. When opening, the door fully retracts into the garage.



SECTIONAL DOOR

This type of door is spring-loaded for balance. It is made up of hinged, horizontal panels.

The flashing light:
For extra safety!

CAME suggests installing the flashing light for signaling that the mechanical parts are moving. Today the KIARO range has been renewed with new models with LED light that reduces energy consumption and provides longer life.



COUNTERBALANCED, PARTIALLY RETRACTING, OVERHEAD GARAGE DOOR



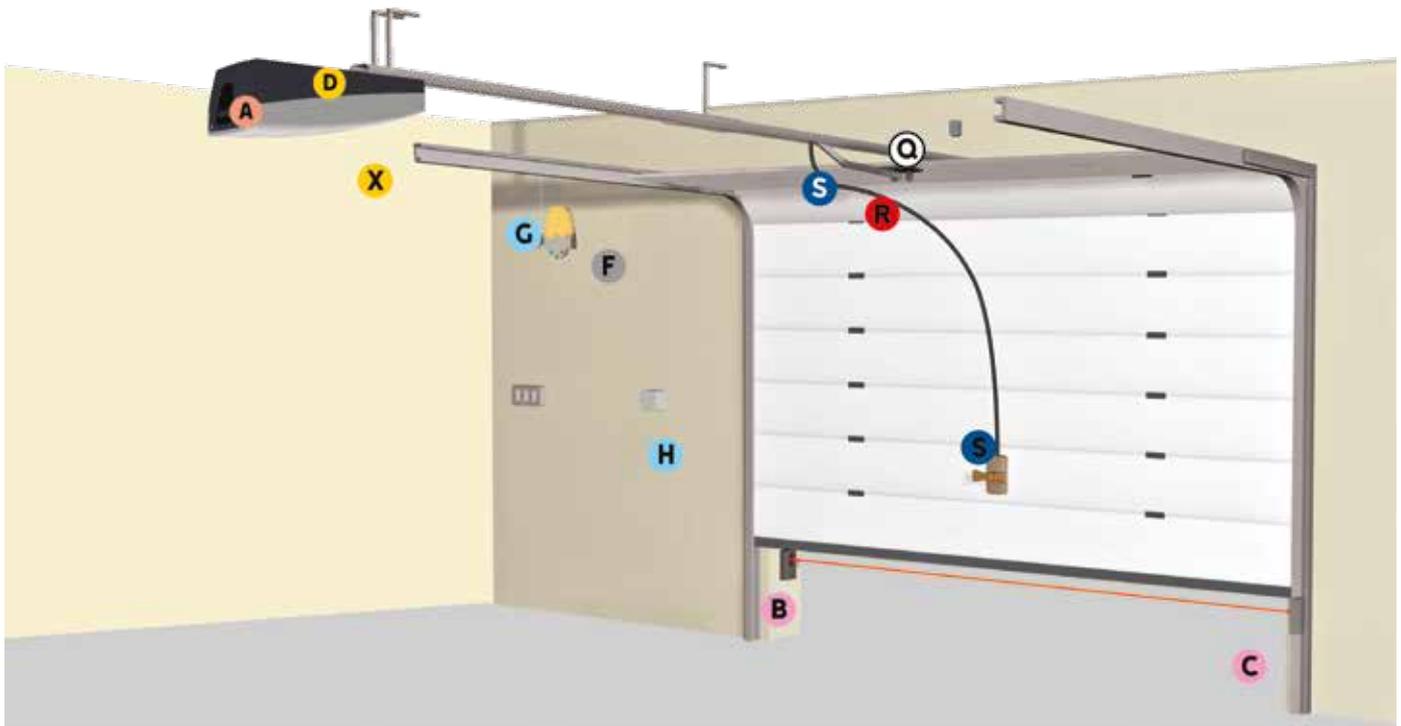
COMPONENTS

- A** Operator (gearmotor with control board)
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- K** Adapter arm
- Q** Junction box
- S** Pull-cord release device
- X** Radio frequency card

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Flashing light 230 V AC	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

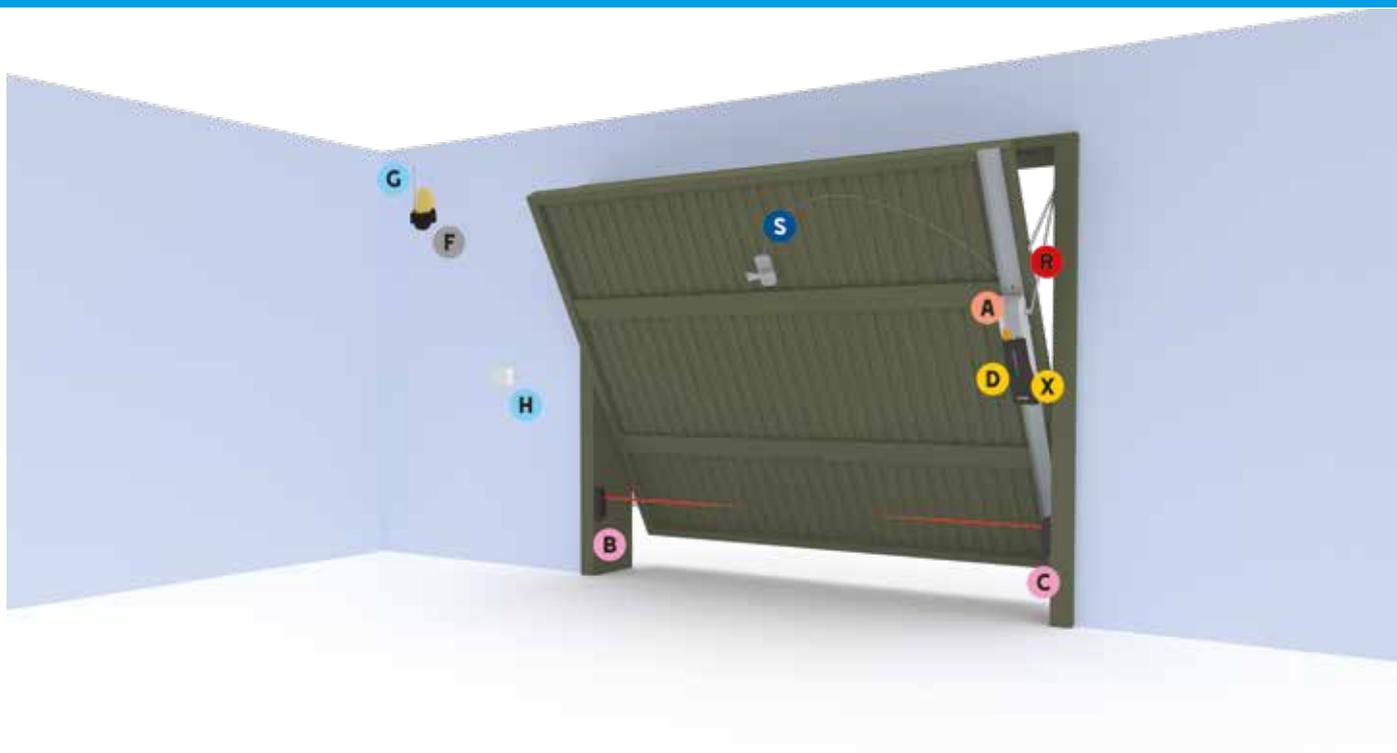
- A** Operator (garmotor with control board)
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- Q** Junction box
- R** Drive levers
- S** Pull-cord release device
- X** Radio frequency card

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Flashing light 230 V AC	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.

COUNTERBALANCED, PARTIALLY RETRACTING, OVERHEAD GARAGE DOOR SINGLE MOTOR



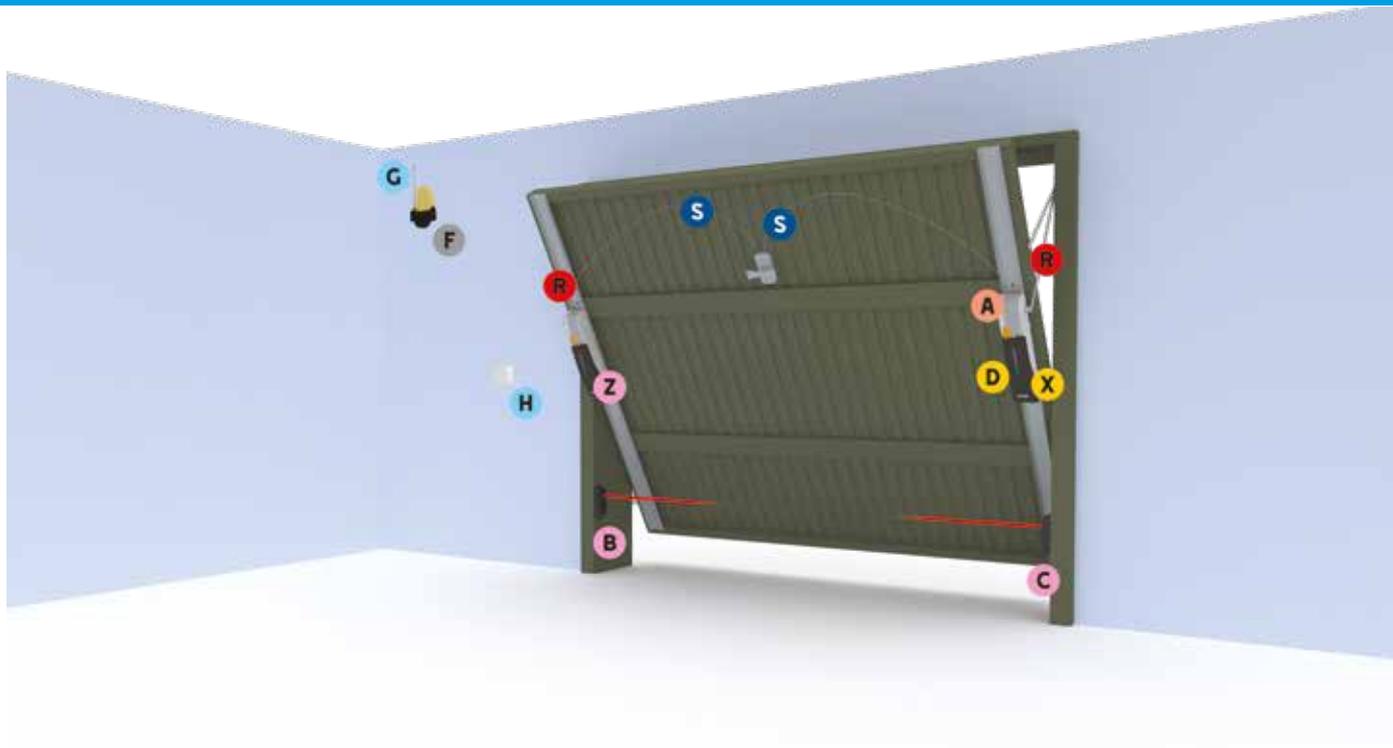
COMPONENTS

- A** Operator (garmotor with control board)
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- R** Drive levers
- S** Pull-cord release device
- X** Radio frequency card

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 24 V DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

- A** Operator (garmotor with control board)
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- R** Drive levers
- S** Pull-cord release device
- X** Radio frequency card

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 24 V DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.

VER PLUS

Door surface area up to 21 m²

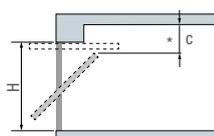
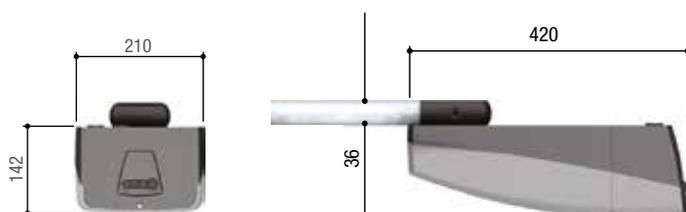


Operator for sectional or up-and-over garage doors for use in private homes and industrial plants

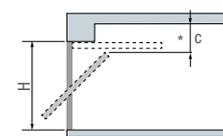
- 24 V DC systems with encoder to guarantee greater safety and reliability.
- The operator is fastened directly onto the drive guide.
- Silent and reliable sliding guides, available with chain or belt.
- Control board with separate and removable terminal blocks.
- Save up to 250 different users.
- Display for programming and viewing features.
- Set up for operation in case of power outage.
- Integrated release lever, with the possibility of operating from the outside using the door handle.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



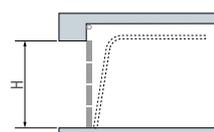
Dimensions (mm)



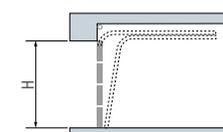
BC – Partially retracting, protruding overhead garage door. (con 001V201)



BM – Fully retracting, protruding overhead garage door.



STA - SECTIONAL Type A with single guide



STB - SECTIONAL Type B with double-guide

C-distance = Min. 60 mm.
 H = Max. door height
 * Maximum headroom of the door during movement (at about 2/3 of opening)

Operational limits

MODELS	801MV-0010	801MV-0020
Max. surface of the door (m ²)	18	21
Max. traction force (N)	1000	1300

Technical characteristics

MODELS	801MV-0010	801MV-0020
Protection rating (IP)	40	40
Power supply (V - 50/60 Hz)	230 AC	230 AC
Power supply to motor (V)	24 DC	24 DC
Absorption (A)	10 Max.	10 Max.
Power (W)	180	280
Cycles/Hour	30	30
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

● 24 V DC

Code Description

Complete operators with 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445

801MV-0010 VER10DMS - Operator with encoder, featuring a control panel for sectional and overhead garage doors.



801MV-0020 VER13DMS - Operator with encoder, featuring a control panel for sectional and overhead garage doors.



Accessories for: 801MV-0010 - 801MV-0020

801XC-0010 Device for operation during power outages and for recharging the batteries (included as two 12 V - 0.8 Ah batteries).



Accessories

001V122 Drive arm for sectional doors with the distance between the upper edge of the door and the shaft-spring assembly between 300 and 600 mm.

001V121 Pull-cord release and resetting device to fit on door handle. L = 3 m.

001V201 Adapter arm for partially protruding overhead garage doors. Max. Door height: 2.4 m.

Belt guides

001V0685 Belt guide L = 3.02 m, for doors with max. surface of 15 m².
*Max. door height:
BC = 2.4 m BM = 2.25 m STA = 2.1 m STB = 2.2 m.

001V0686 Belt guide L = 3.52 m, for doors with max. surface of 15 m².
*Max. door height:
BM = 2.75 m STA = 2.6 m STB = 2.7 m.

001V0688 Belt guide L = 4.02 m, for doors with max. surface of 15 m².
*Max. door height:
BM = 3.25 m STA = 3.1 m STB = 3.2 m.

001V0687 Belt guide L = 3.02 m in two pieces, for doors with max. surface of 15 m².
*Max. door height:
BC = 2.4 m BM = 2.25 m STA = 2.1 m STB = 2.2 m.

Chain guide

001V0679 Chain guide L = 3.02 m. * Max. door height:
BC = 2.4 m BM = 2.25 m STA = 2.1 m STB = 2.2 m.

001V0682 * Max. door height:
BM = 2.75 m STA = 2.6 m STB = 2.7 m.

001V0683 Chain guide L = 4.02 m. * Max. door height:
BM = 3.25 m STA = 3.1 m STB = 3.2 m.

001V0684 Chain guide L = 3.02 m in two pieces. * Max. door height:
BC = 2.4 m BM = 2.25 m STA = 2.1 m STB = 2.2 m.

Accessories for: chain guides

001V005 Extension for chain-type guide:
001V0679 - 001V0682 - 001V0683 - 001V0684 L = 1.42 m.



NOTES

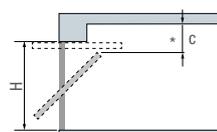
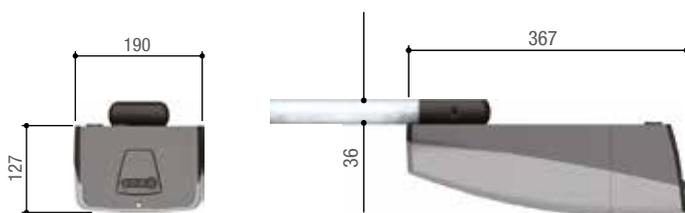
* BC = Counter-weighted overhead - BM = Spring-loaded overhead - STA = Sectional Type A - STB = Sectional Type B

Operator for sectional or up-and-over garage doors for use in private homes

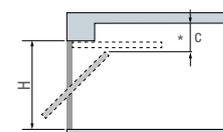
- 24 V DC systems with encoder to guarantee greater safety and reliability.
- The operator is fastened directly onto the drive guide.
- Silent and reliable sliding guides, available with chain or belt.
- Control board with separate and removable terminal blocks.
- Save up to 250 different users.
- Display for programming and viewing features.
- Integrated release lever, with the possibility of operating from the outside using the door handle.



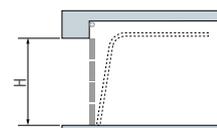
Dimensions (mm)



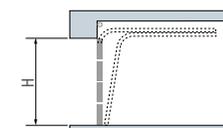
BC – Partially retracting, protruding overhead garage door. (con 001V201)



BM – Fully retracting, protruding overhead garage door.



STA - Sectional Type A door with single guide



STB - Sectional Type B door with double guide.

C-distance = Min. 60 mm.
 H = Max. door height
 * = Maximum overall dimensions, in height, of the door during movement (at about 2/3 of opening)

Operational limits

MODELS	801MV-0050	801MV-0060
Max. surface of the door (m ²)	9	12
Max. traction force (N)	600	800

Technical characteristics

MODELS	801MV-0050	801MV-0060
Protection rating (IP)	20	20
Power supply (V - 50/60 Hz)	230 AC	230 AC
Power supply to motor (V)	24 DC	24 DC
Cycles/Hour	10	10
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Maneuvering speed (m/min)	6,6	8

Code	Description
Complete operators with 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
801MV-0050 	VER06DES - Operator with encoder, featuring a control board with segmented graphic display, for sectional and overhead garage doors.
801MV-0060 	VER08DES - Operator with encoder, featuring a control board with segmented graphic display, for sectional and overhead garage doors.
Accessories	
001 V121	Pull-cord release and resetting device to fit on door handle. L = 3 m.
001 V122	Drive arm for sectional doors with the distance between the upper edge of the door and the shaft-spring assembly between 300 and 600 mm.
001 V201	Adapter arm for partially protruding overhead garage doors. Max. Door height: 2.4 m.
Chain guide	
001 V06001	Chain guide L = 3.02 m. *Max. door height: BC = 2.4 m - BM = 2.25 m - STA = 2.1 m.
001 V06002	Chain guide L = 3.52 m. * Max. door height: BM = 2.75 m - STA = 2.6 m STB = 2.7 m.
001 V06003	Chain guide L = 4.02 m. * Max. door height: BM = 3.25 m - STA = 3.1 m STB = 3.2 m.
Belt guides	
001 V06005	Belt guide L = 3.02 m. * Max. door height: BC = 2.4 m - BM = 2.25 m - STA = 2.1 m STB = 2.2 m.
001 V06006	Belt guide L = 3.52 m. * Max. door height: BM = 2.75 m - STA = 2.6 m STB = 2.7 m.
001 V06007	Belt guide L = 4.02 m. * Max. door height: BM = 3.25 m - STA = 3.1 m STB = 3.2 m.



NOTES

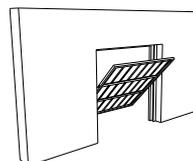
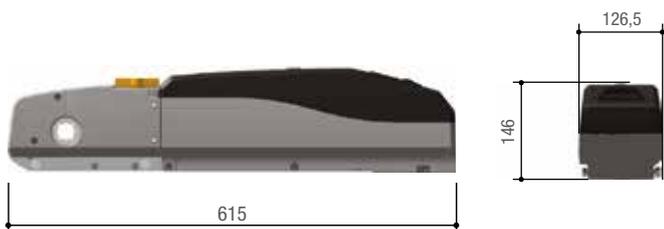
* BC = Counter-weighted overhead - BM = Spring-loaded overhead - STA = Sectional Type A - STB = Sectional Type B
ATTENTION 801MV-0050 - 801MV-0060 PRODUCTS AVAILABLE ONLY IN KITS. CONTACT THE SALES DEPARTMENT FOR INFORMATION.

Operator with direct fixing on the garage door

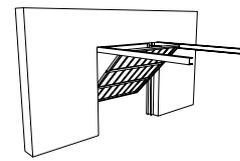
- Encoder-based movement control.
- Integrated release lever, with the possibility of operating from the outside using the door handle.
- Obstacle detection function, maneuver speed adjustment and opening and closing slow-down speed.
- Display for programming and viewing features, with LED for the operator diagnostics.



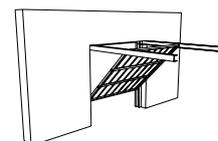
Dimensions (mm)



Protruding and partially retracting overhead garage door



Protruding and fully retracting overhead garage door



Non-protruding fully retracting overhead garage door

Operational limits

MODELS	EM4024CB	EM4024
Max. surface of the door (m ²)	9	-

NOTES: For doors larger than 9 m² and up to 14 m², use: 1 EM4024CB gearmotor + 1 EM4024 gearmotor

Technical characteristics

MODELS	EM4024CB	EM4024
Protection rating (IP)	40	40
Power supply (V - 50/60 Hz)	120 - 230 AC	-
Power supply to motor (V)	24 DC	24 DC
Absorption (A)	15 Max.	15 Max.
Power (W)	73	70
Maneuvering time at 90° (s)	ADJUSTABLE	ADJUSTABLE
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

Code

Description

Complete operators with 24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445

001**EM4024CB** Irreversible operator with control board and segmented graphics display for doors measuring up to 9 m².



24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445

001**EM4024** Irreversible gearmotor for pairing to the 001EM4024CB operator for extending the door's surface area up to 14 m².



Accessories for: 001EM4024CB

002**LBEM40** Control card for operating during power outages and for recharging the batteries, with fastening brace.



Accessories for: 001EM4024

001**EM4001** LED control card for the courtesy light.



Accessories

001**E001** Anchoring base L = 2 m.

001**E002** Fixing base L = 2.5 m.

001**V121** Pull-cord release and resetting device to fit on door handle. L = 3 m.

001**E781A** Accessories for fitting the lateral reset.

001**E782A** Square drive tube 25 x 25 mm L = 3 m.

001**E783** Pair of folding drive arms.

001**E784** Long lever for hinged transmission arm for doors taller than 2.4 m.

001**E785A** Pair of straight telescopic arms with rectangular tube 40 x 10 mm.

001**E786A** Pair of curved telescopic arms with 40 x 10 mm rectangular tube.

001**E787A** Long tube for telescopic arms for doors with heights exceeding 2.4 m.



NOTES:
001LBEM40 - Two 12 V - 1.3 Ah batteries (not supplied), on the 001EM4024CB - 001EM4024 there is a battery rack inside.



CONTROL KEYPAD FUNCTIONS DISPLAY

The EM4024CB operator is fitted with an integrated keypad for programming and controlling the door. Courtesy lighting is provided by LED technology which ensures high efficiency, durability and energy savings.



The tables shows lists all characteristics of the overhead and sectional door control-panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.



Models / Series	VER PLUS	VER	EMEGA
Control board / Control panel	ZL57	-	ZL43
Safety			
SELF-DIAGNOSING safety decives	●	●	●
PRE-FLASHING when opening and closing	●	●	●
REOPENING during closing	●	●	●
CLOSING AGAIN during opening	●		
Obstruction WAIT	●		●
TOTAL STOP	●	●	●
PARTIAL STOP	●		
OBSTRUCTION DETECTION in front of photocells	●	●	●
ENCODER	●	●	●
MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device.		●	●
AMPEROMETRIC DETECTION	●	●	●
Command			
PARTIAL OPENING	●	●	●
OPEN ONLY from transmitter and/or from button	●	●	●
ONLY OPEN or ONLY CLOSE button connection	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or button	●	●	●
OPEN-CLOSE-INVERT from the transmitter and/or button	●	●	●
MAINTAINED ACTION	●		●
IMMEDIATE CLOSING			●
Characteristics			
FLASHING LIGHT connection	●	●	●
CYCLE LIGHT connection	●	●	●
COURTESY LIGHT connection	●	●	●
Antenna	●	●	●
OPEN ALERT LIGHT connection	●		●
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●
OPERATING TIME adjusting	●		●
Connection for the ELECTRIC LOCK and/or RAMMING			
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●
OPENING and/or CLOSING slow downs	●	●	●
EMERGENCY BATTERY operation (optional)	●		●
Adjustable TRAVEL and SLOW-DOWN speeds*	●		●
DISPLAY	●	●	●
SELF-LEARNING opening and closing limit-switches	●		●
CAME Connect	●		
Designed to fit RIO System 2.0	●		
CRP control	●		
ENERGY SAVINGS control (001RGP1)	●		

● 24 V DC

NOTES

* The partial opening can be activated via button, selector and transmitter.

VER - 8K01MV-005 KIT

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24
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KITS FOR OVERHEAD AND SECTIONAL DOORS

- Overhead and sectional doors
- Maximum door surface 9 m²
- Traction force: 600 N

Code	Description	Quantity
801MV-0050   	VER06DES - Operator with encoder, featuring a control board with segmented graphic display, for sectional and overhead garage doors.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1



KITS FOR OVERHEAD AND SECTIONAL DOORS

- Overhead and sectional doors
- Maximum door surface 9 m²
- Traction force: 600 N

Code	Description	Quantity
801MV-0050	VER06DES - Operator with encoder, featuring a control board with segmented graphic display, for sectional and overhead garage doors.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1



VER - 8K01MV-007 KIT



KITS FOR OVERHEAD AND SECTIONAL DOORS

- Overhead and sectional doors
- Maximum door surface 9 m²
- Traction force: 600 N

Code	Description	Quantity
801MV-0050	VER06DES - Operator with encoder, featuring a control board with segmented graphic display, for sectional and overhead garage doors.	1
	Belt guide L = 3.02 m. *Door's max, height: BC = 2.4 m - BM = 2.25 m - STA = 2.1 m .	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1



KITS FOR OVERHEAD AND SECTIONAL DOORS

- Overhead and sectional doors
- Maximum door surface 12 m²
- Traction force: 800 N

Code	Description	Quantity
801MV-0060	VER08DES - Operator with encoder, featuring a control board with segmented graphic display, for sectional and overhead garage doors.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1



VER - 8K01MV-018 KIT



KITS FOR OVERHEAD AND SECTIONAL DOORS

- Overhead and sectional doors
- Maximum door surface 12 m²
- Traction force: 800 N

Code	Description	Quantity
801MV-0060	VER08DES - Operator with encoder, featuring a control board with segmented graphic display, for sectional and overhead garage doors.	1
	Three-piece chain guide L = 3.02 m. *Door's max, height: BC = 2.4 m - BM = 2.25 m - STA = 2.1 m .	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1



KITS FOR OVERHEAD AND SECTIONAL DOORS

- Overhead and sectional doors
- Maximum door surface 18 m²
- Traction force: 1,000 N

Code	Description	Quantity
801MV-0010	VER10DMS - Operator with encoder, featuring a control panel for sectional and overhead garage doors.	1
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 TOP-A433N	Tuned antenna.	1
001 TOP-RG58	Antenna cable.	m 5

VER PLUS - 8K01MV-009 KIT



KITS FOR OVERHEAD AND SECTIONAL DOORS

- Overhead and sectional doors
- Maximum door surface 21 m²
- Traction force: 1300 N

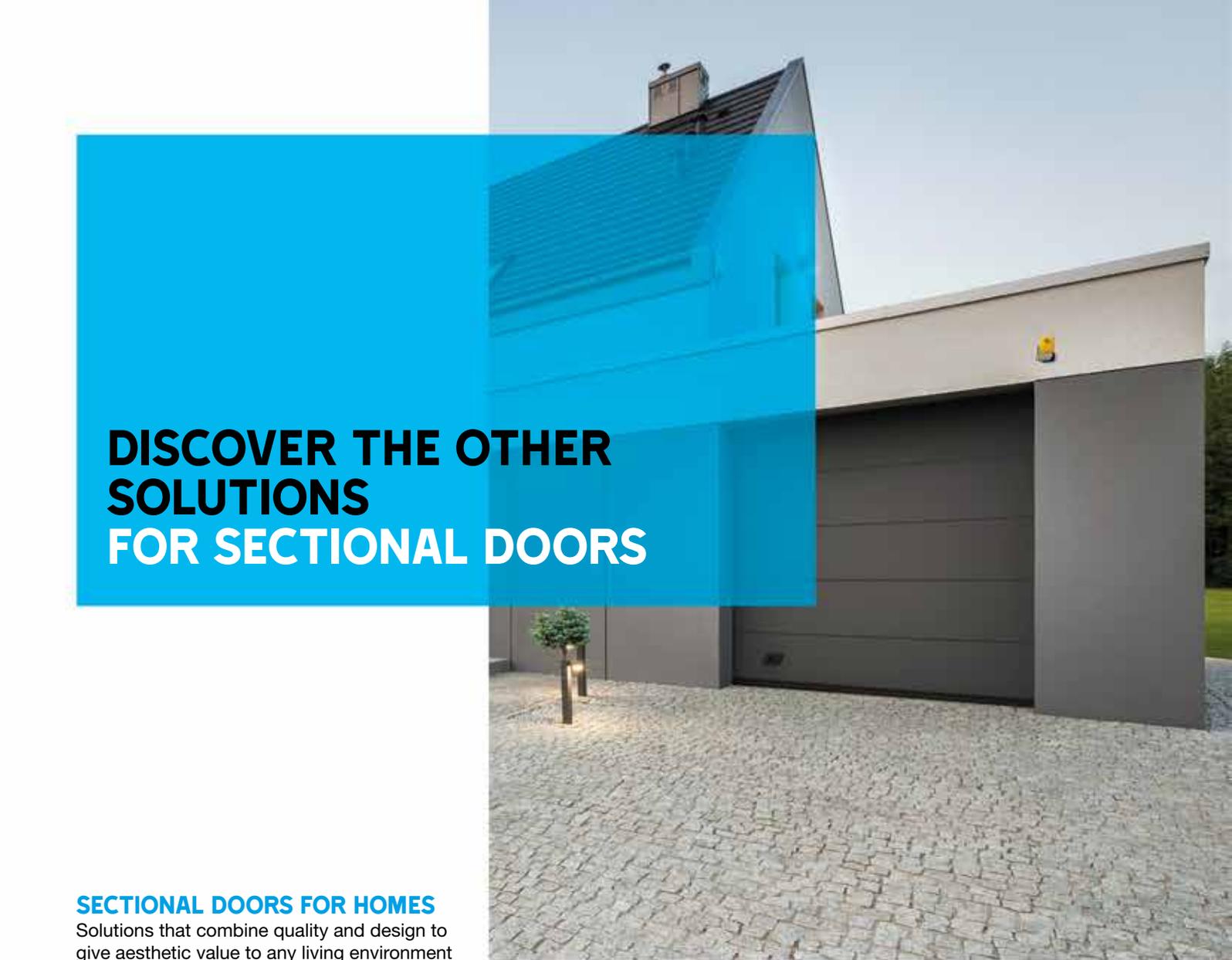
Code	Description	Quantity
801MV-0020	VER13DMS - Operator with encoder, featuring a control panel for sectional and overhead garage doors.	1
		
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 KLED24	LED flashing light signaller.	1
		
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
		



KITS FOR OVERHEAD AND SECTIONAL DOORS

- Overhead and sectional doors
- Maximum door surface 18 m²
- Traction force: 1,000 N

Code	Description	Quantity
801MV-0010	VER10DMS - Operator with encoder, featuring a control panel for sectional and overhead garage doors.	1
    		
001 AF43S	Plug-in radio-frequency control card.	1
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 TOP-A433N	Tuned antenna.	1
001 DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
		
001 TOP-RG58	Antenna cable.	m 5



DISCOVER THE OTHER SOLUTIONS FOR SECTIONAL DOORS

SECTIONAL DOORS FOR HOMES

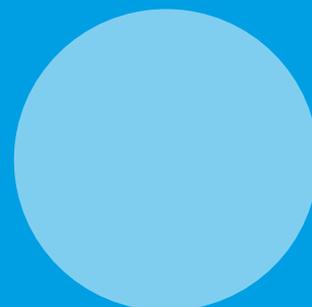
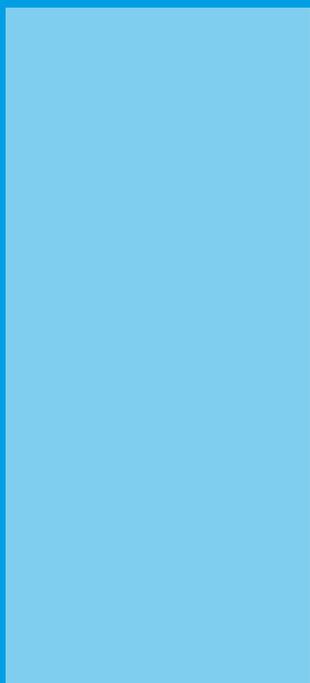
Solutions that combine quality and design to give aesthetic value to any living environment

SECTIONAL DOORS FOR INDUSTRIAL SETTINGS

Robust, reliable and secure solutions that ensure maximum efficiency for your business



AUTOMATIC BARRIERS



160	SELECTION GUIDE
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200	UNIPARK
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204	CONTROL BOARD FUNCTIONS

Selection guide

Automatic barriers

The table summarizes the series and models with their corresponding operating limits according to maximum net clearance width.

Series	Model	Max. net clearance width (m)
GARD	G2500	2,5
GARD 3	G3000DX / SX	2,75
GARD 3	G3000IDX / SX	2,75
GARD 3250	G3250	3,25
GARD	G3750	3,75
GARD	G3751	3,75
GARD 4	G4040Z	3,75
GARD 4	G4040IZ	3,75
GARD 4	G4040E	3,75
GARD 4	G4040EZ	3,75
GARD 4	G4040EZT	3,75
GARD 4	G4040IE	3,75
*GARD PT Brushless	803BB-0070	3,8
*GARD PT Brushless	803BB-0330	3,8
*GARD PX Brushless	803BB-0120	3,8
GARD	G4000	4
GARD 5000	G5000	5
GARD	G6000	6
GARD	G6500	6,5
GARD	G6501	6,5
GARD 8	G2080Z	7,6
GARD 8	G2080IZ	7,6
GARD 8	G2080E	7,6
GARD 8	G2080IE	7,6
GARD 8	G2080EZT	7,6
GARD 8	G2080EZC	7,6
GARD 12	G12000K	12

● 230 V AC ● 24 - 36 V DC
*CONTINUOUS DUTY

Parking guard and chain barrier

The tables summarize the series and models with their respective operating limits according to the maximum width of the parking place or the maximum clearance width.

Series	Model	Max clearance width of parking space (m)
UNIPARK	UNIP + ARK1	2
UNIPARK	UNIP + ARK2	2,45

Series	Model	Max. net clearance width (m)
CAT	CAT-X + CAT-I + CAT-5	8
CAT	CAT-X24 + CAT-I + CAT-5	8
CAT	CAT-X + CAT-I + CAT-15	16
CAT	CAT-X24 + CAT-I + CAT-15	16

● 230 V AC ● 24 V DC

SINGLE BARRIERS FOR SINGLE HOMES

CAME barriers can be used to control small apartment building parking facilities.

**HEAVY-DUTY SINGLE OR DOUBLE BARRIERS**

You can manage heavily trafficked parking facilities such as at company parking lots, auto dealerships or even private parking areas.

**PARKING-FACILITY BARRIERS**

The simple, practical solution for controlling transit flows in pay-to-park areas.

**BARRIERS FOR VERY WIDE CLEARANCES**

CAME barriers are used even for passages where special or oversized vehicles transit.

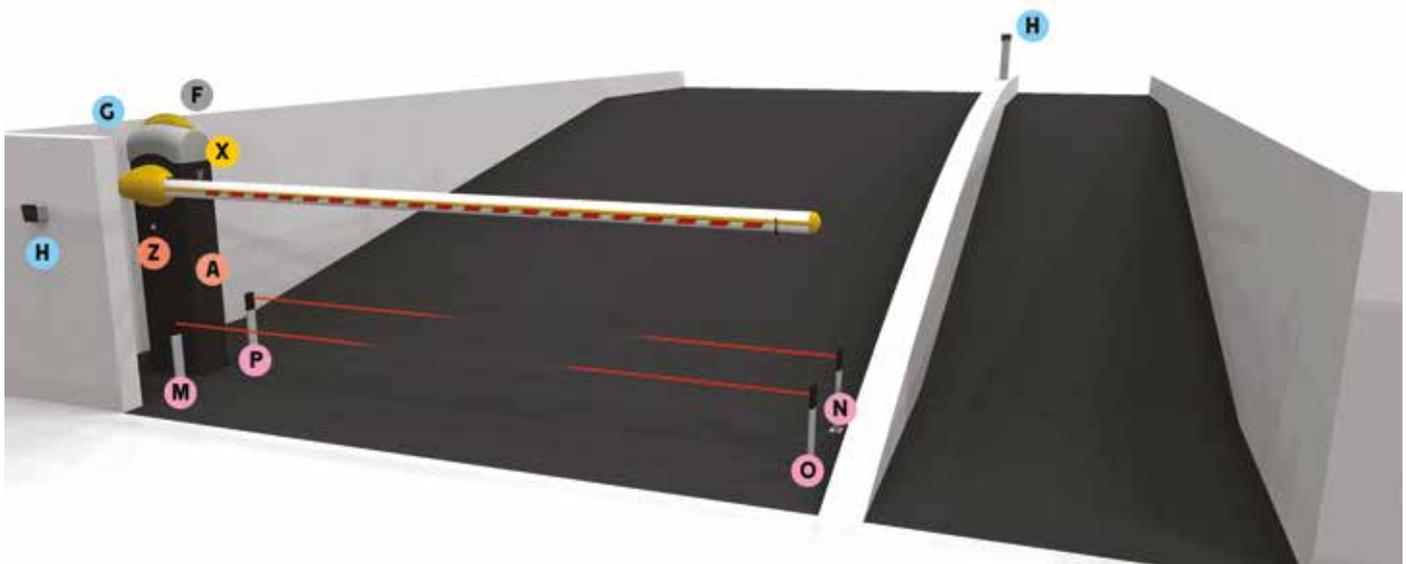
**FOR SINGLE PARKING SPACES**

Ideal for apartment-building parking facilities or for authorized staff parking.

**FOR MULTIPLE PARKING SPACES**

Ideal for small apartment-blocks or when a low-profile barrier is required.





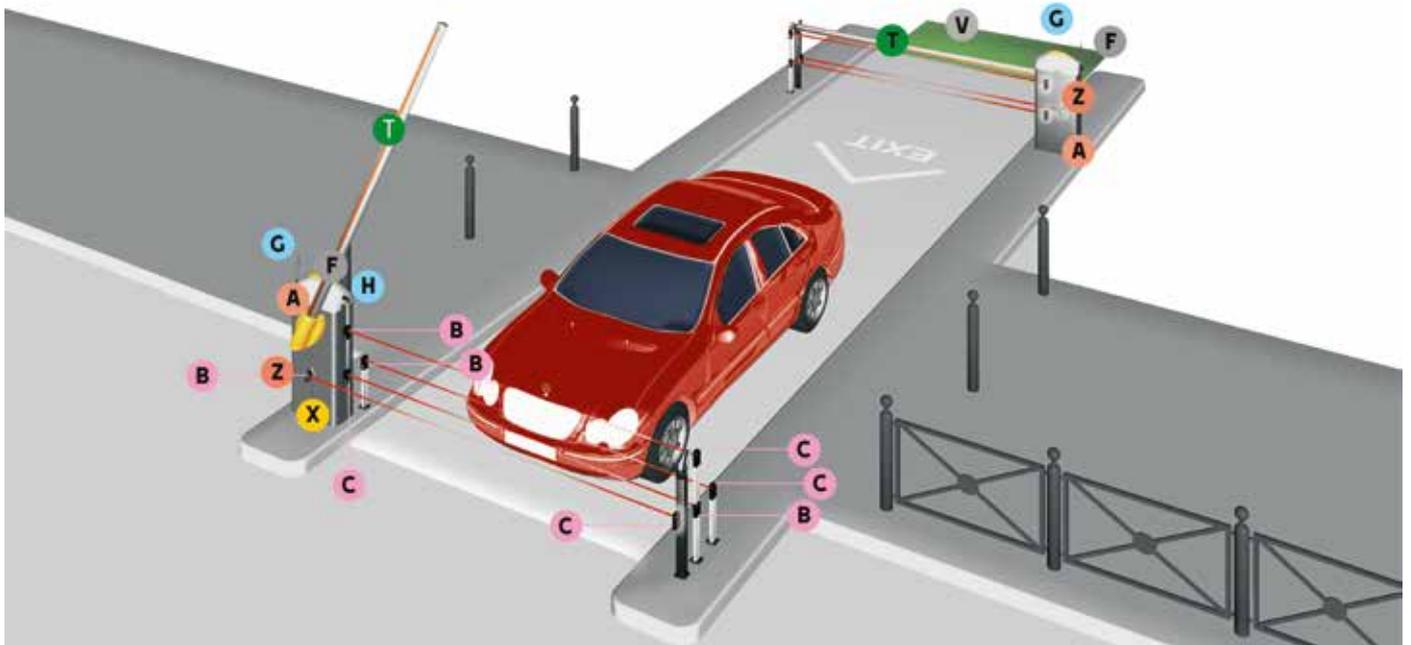
COMPONENTS

- A** Barrier
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- M** TX Photocells
- N** TX Photocells
- O** RX Photocells
- P** RX Photocells
- X** Radio frequency card
- Z** Release device

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 24 or 36 V DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Limit switch micro-switches	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Flashing light 230 V AC	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



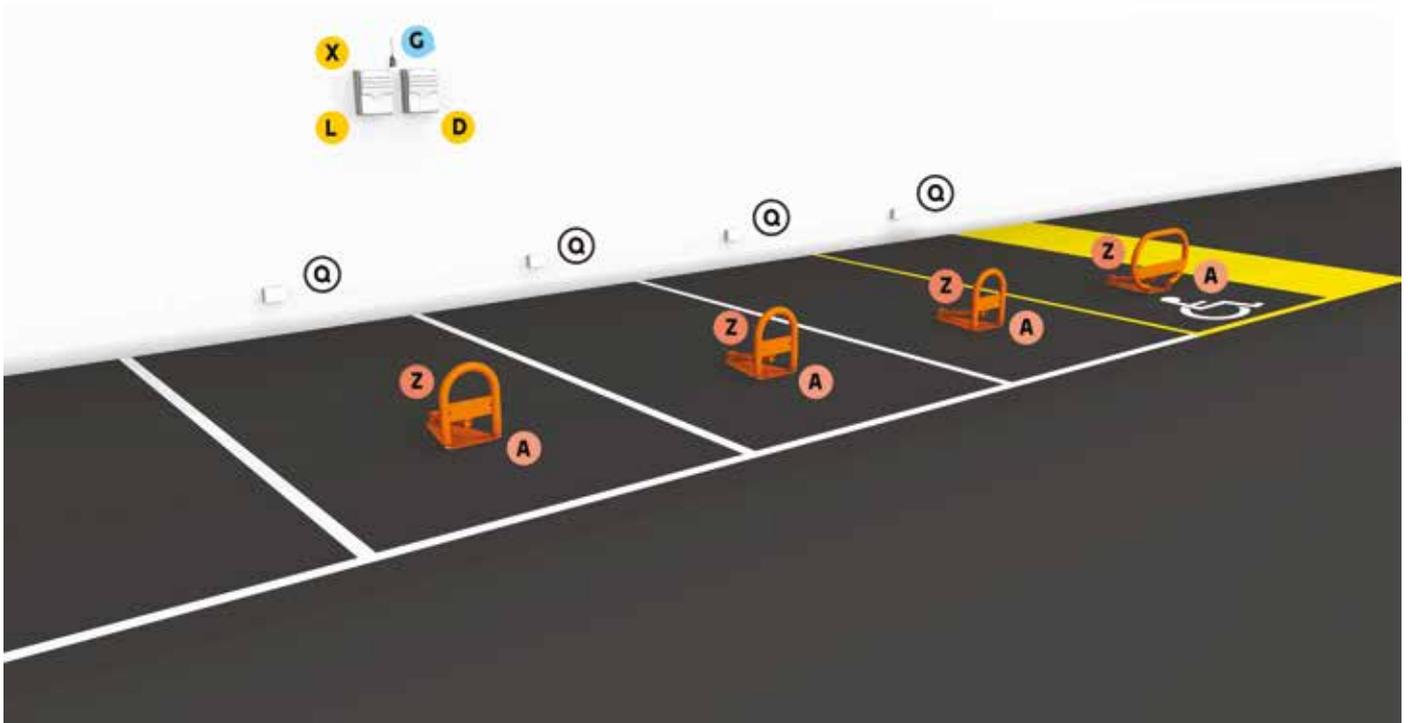
COMPONENTS

- **A** Barrier
- **B** TX Photocells
- **C** RX Photocells
- **F** Flashing light
- **G** Antenna
- **H** Control switch
(Key – Code – Card or transponder fob)
- **T** Boom with luminous cord
- **X** Radio frequency card
- **V** Metal mass detector sensor
- **Z** Release device

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Flashing light 230 V AC	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



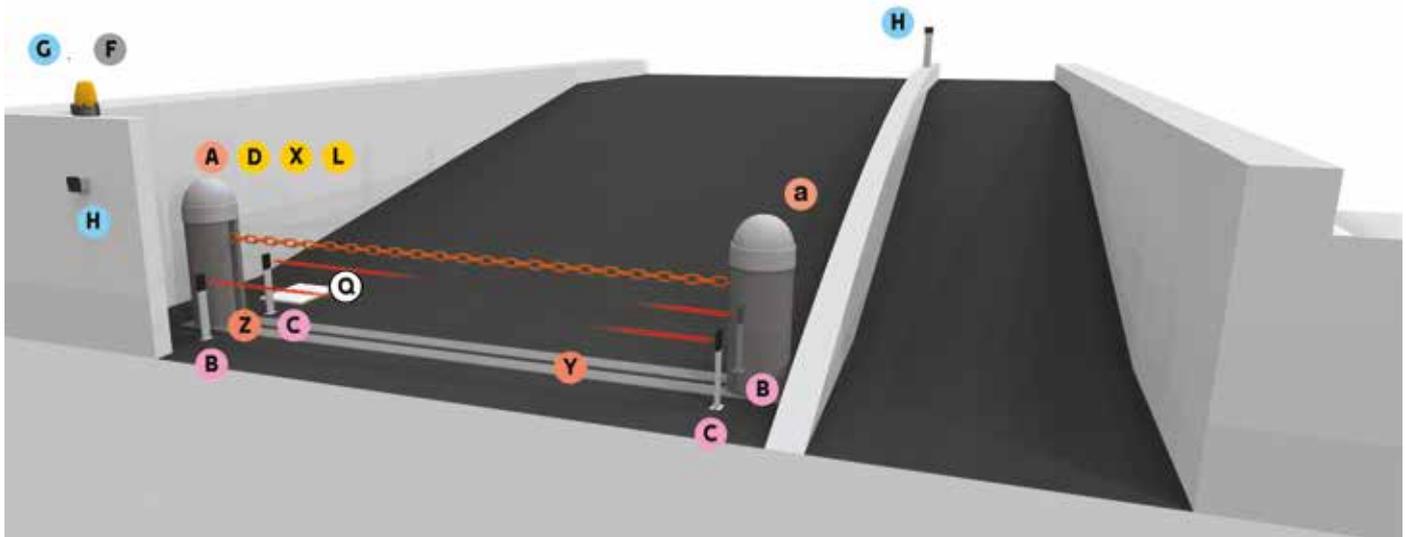
COMPONENTS

- A Gearmotors
- D Control card for operating during power outages
- G Antenna
- L Control panel
- Q Junction box
- X Radio frequency card
- Z Release device

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 24 or 36 V DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

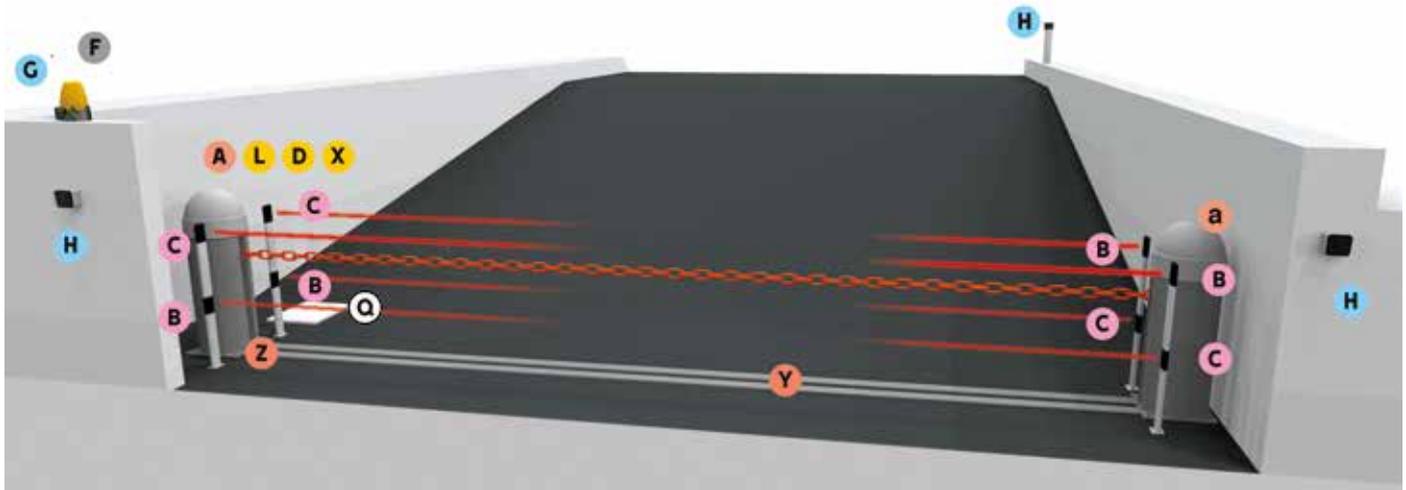
- A** Post with gearmotor
- a** Post with counter-weight and chain latch
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- L** Control panel
- Q** Junction box
- X** Radio frequency card
- Y** Outer chain-protecting guide
- Z** Release device

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 24 or 36 V DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Flashing light 230 V AC	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.

CHAIN BARRIER WITH TWO-LEVEL PHOTOCELLS



COMPONENTS

- A** Post with gearmotor
- a** Post with counter-weight and chain latch
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- L** Control panel
- Q** Junction box
- X** Radio frequency card
- Y** Outer chain-protecting guide
- Z** Release device

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 24 or 36 V DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Flashing light 230 V AC	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



DXR

SYNCHRONIZED SWIVEL INFRARED BEAM PHOTOCELLS

GO TO PAGE 260 TO FIND OUT MORE

CAME

CAME.COM



GARD PT Brushless

Net clearance up to 3,8 m

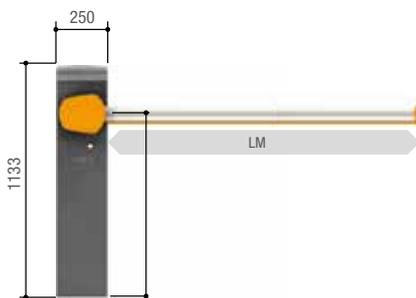


The ideal solution for passage ways with heavy transit flows

- Brushless motor for high performance and silent operation.
- Continuous use tested for 2 million cycles (MCBF - mean cycle between failures).
- Modern design with painted aluminium cabinet with rough finish.
- Available with high visibility red/green LEDs on the crown and on both sides of the boom.
- Boom casing for protection against shearing in opening and closing.
- Available accessory for boom safety release in case of impact for high traffic applications.
- Control board with display.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



LM = Max. net clearance width



803XA-0180

Operational limits

MODELS	803BB-0330	803BB-0070
Max. net clearance width (m)	3,8	3,8

Technical characteristics

MODELS	803BB-0330	803BB-0070
Protection rating (IP)	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC
Power supply to motor (V)	36 DC	36 DC
Absorption (A)	1,5	1,5
Power (W)	350	350
Opening time at 90° (s)	1,2 ÷ 4	1,2 ÷ 4
Duty/cycle (%)	CONTINUOUS DUTY (with springs and boom up to 3.8 m) INTENSIVE DUTY (without springs and with boom up to 2.5 m)	CONTINUOUS DUTY (with springs and boom up to 3.8 m) INTENSIVE DUTY (without springs and with boom up to 2.5 m)
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

● 36 V DC

Code	Description
Barriers with Brushless motor and built-in control panel	
803BB-0330 	GPT40AGL - Automatic barrier with irreversible gearmotor and brushless motor; painted aluminium cabinet.
803BB-0070 	GPT40AGS - Automatic barrier with reversible geared motor and brushless motor; painted aluminum cabinet.
Accessories for: 803BB-0070	
803XA-0030	Electric lock.
Accessories for: 803BB-0070 - 803BB-0330	
803XA-0050	White painted aluminum boom, 90 x 35 mm, with groove cover-strip and shock-proof rubber profile. Length: 4050 mm.
803XA-0051	White painted aluminum boom, 90 x 35 mm, with groove cover strip and shock-proof rubber profile. Length: 3050 mm.
002 RSE	Interface card for controlling two operators or for enabling the Came Remote Protocol.
001 R700	Card for decoding and access control with transponder.
001 R800	Control board for decoding and access-control management via keypad selectors.
Accessories for: 803BB-0070 - 803BB-0330	
806SA-0080 	Control card kit for operating during power outages and for recharging batteries, with battery housing.



LUMINOUS BOOM, MAXIMUM SAFETY

The new GARD PT Brushless barriers let you install, as an accessory, the special luminous crown that uses red and green light to signal the boom's position.

THE COMPLETE RANGE

Code Description

Code	Description
Accessories for: 803XA-0050 - 803XA-0051	
803XA-0020	Red/green LED strips for booms up to 4-m long.
803XA-0150	Red/green LED strip for booms up to 3 m long.
803XA-0160	Red/green LED strip for jointed HD (Heavy Duty) boom up to 2 m long.
803XA-0190	LED strip connection kit for HD jointed booms up to 2 m.
803XA-0180	HD (Heavy Duty) joint for 90 x 35 mm boom.
803XA-0040	Detachable boom attachment.
Accessories	
803XA-0010	LED Luminous crown.
803XA-0070	Balancing springs assembly.
803XA-0080	Auxiliary contacts assembly.
001 G02807	Fixed rest.
001 G02809	Package of 20 red, reflective, adhesive strips.
24 V AC - DC magnetic sensors	
009 SMA 	Single.-channel magnetic sensor for detecting metal masses.
009 SMA2 	Two-channel magnetic sensor for detecting metal masses.



Spring Selection Guide for 803XA-0050 boom

MAXIMUM NET CLEARANCE WIDTH	OPENING TIME	DUTY TYPE	803XA-0070 SPRING ASSEMBLY
< 2.5	1,2 - 2,5	INTENSIVE	-
2,5 - 2,7	1,2 - 2,5	CONTINUOUS	YES
2,5 - 3,8*	2,5 - 4	CONTINUOUS	YES

WARNING! DO NOT EXCEED THE STATED OPERATING LIMITS

* For maximum clearances greater than 3 m, you must use the G02807 fixed rest.

GARD PX Brushless

Net clearance up to 3,8 m

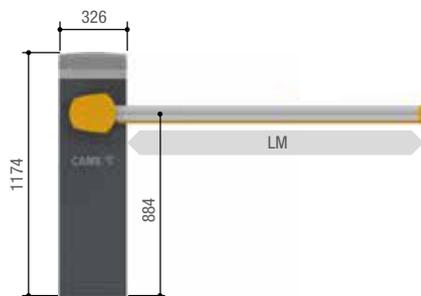


Specific solution for parking facilities and intensive duty cycles

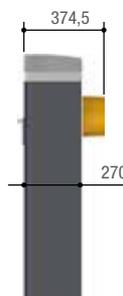
- Brushless motor for high performance and silent operation.
- Continuous use tested for 5 million cycles (MCBF - mean cycle between failures).
- Modern design with galvanized steel cabinet with rough finish.
- Extended range power supply 120 - 230 V AC for energy saving in stand-by mode.
- Boom casing for protection against shearing in opening and closing.
- Available with high visibility red/green LEDs on the crown and on both sides of the boom.
- Available accessory for boom safety release in case of impact for high traffic applications.
- Control board with display.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



LM = Max. net clearance width



803XA-0180

Operational limits

MODELS	803BB-0120
Max. net clearance width (m)	3,8

Technical characteristics

MODELS	803BB-0120
Protection rating (IP)	54
Power supply (V - 50/60 Hz)	100 AC ÷ 240 AC
Power supply to motor (V)	36 DC
Power (W)	270
Opening time at 90° (s)	1 ÷ 2
Duty/cycle (%)	CONTINUOUS SERVICE
Operating temperature (°C)	-20 ÷ +55 (-40 with the 803XA-0260 heating system)

● 36 V DC

Code Description

Barriers with Brushless motor and built-in control panel

803BB-0120 GPX40MGS - Automatic barrier with irreversible gearmotor and brushless motor; painted galvanized steel cabinet.



Accessories for: 803BB-0120

803XA-0050 White painted aluminum boom, 90 x 35 mm, with groove cover-strip and shock-proof rubber profile. Length: 4050 mm.



803XA-0051 White painted aluminum boom, 90 x 35 mm, with groove cover strip and shock-proof rubber profile. Length: 3050 mm.



002RSE Interface card for controlling two operators or for enabling the Came Remote Protocol.



001R700 Card for decoding and access control with transponder.



001R800 Control board for decoding and access-control management via keypad selectors.



Accessories for: 803XA-0050 - 803XA-0051

803XA-0020 Red/green LED strips for booms up to 4-m long.



803XA-0150 Red/green LED strip for booms up to 3 m long.

803XA-0160 Red/green LED strip for jointed HD (Heavy Duty) boom up to 2 m long.

803XA-0190 LED strip connection kit for HD jointed booms up to 2 m.



803XA-0180 HD (Heavy Duty) joint for 90 x 35 mm boom.



803XA-0170 Detachable boom attachment.



Accessories

803XA-0140 Luminous crown.



803XA-0200 Auxiliary contacts assembly.



001G02807 Fixed rest.



001G02809 Package of 20 red, reflective, adhesive strips.



THE COMPLETE RANGE

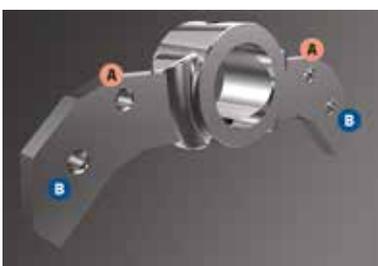
Code Description

Code	Description
Balancing springs	
001 G02040	Balancing spring Ø 40 mm.
001 G04060	Balancing spring Ø 50 mm.
001 G06080	Balancing spring Ø 55 mm.
Accessories	
806SA-0100	Control card kit for operating during power outages and for recharging batteries, with battery housing.
Special accessories	
803XA-0260	Heating system for GARD PX.
24 V AC - DC magnetic sensors	
009 SMA	Single.-channel magnetic sensor for detecting metal masses.
009 SMA2	Two-channel magnetic sensor for detecting metal masses.



Spring Selection Guide for 803XA-0050 – 803XA-0051 boom

MODELS	LATERAL CLEARANCE WIDTH (m)			
	1,5 ÷ 1,75	1,75 ÷ 2,25	2,25 ÷ 2,75	2,75 ÷ 3,75
BOOM COMPOSITION				
SPRING FASTENING HOLE	A	B	A	B
Boom with shock-resistant fender	●	●	●	●
Boom with shock-proof profile and LED strip	●	●	●	●



FITTED FOR BALANCING SPRINGS

Point A and B are the springs' fastening points, depending on the clearance width.

The spring attachment points A and B refer to the table above.

IMPORTANT:

In case of installation of the 803XA-0180 joint, consult the technical manual for selecting the spring.



LUMINOUS BOOM, MAXIMUM SAFETY

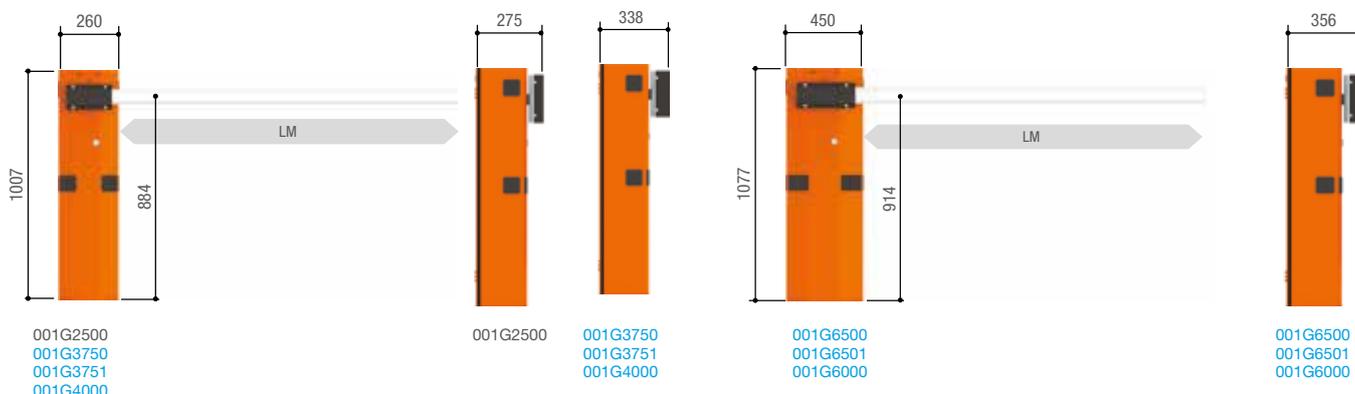
The new GARD PX Brushless barriers let you install, as an accessory, the special luminous crown that uses red and green light to signal the boom's position.

Ideal solution for use in apartment buildings and industrial plants

- 24 V DC gearmotor ideal to ensure heavy-duty service levels.
- Linear design with galvanized steel cabinet with RAL 2004 rough finish.
- Also available made of AISI 304 steel (item G3751 - G6501).



Dimensions (mm)



LM = Max. net clearance width

Operational limits

MODELS	G2500	G3750	G3751	G6500	G6501	G4000	G6000
Max. net clearance width (m)	2,5	3,75	3,75	6,5	6,5	4	6

Technical characteristics

MODELS	G2500	G3750	G3751	G6500	G6501	G4000	G6000
Protection rating (IP)	54	54	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC
Power supply to motor (V)	230 AC 50/60 Hz	24 DC					
Absorption (A)	1	15 Max.					
Power (W)	220	300	300	300	300	300	300
Opening time at 90° (s)	4	2 ÷ 6	2 ÷ 6	4 ÷ 8	4 ÷ 8	2 ÷ 6	4 ÷ 8
Duty/cycle (%)	30	HEAVY-DUTY SERVICE					
Torque (Nm)	70	200	200	600	600	200	600
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	-	-	-	-	-	-

Code	Description
------	-------------

Barriers with 230 V AC gearmotors and gearmotor and built-in control panel	
--	--

001 G2500	Barrier made of painted, galvanized steel.
------------------	--

Obligatory accessories for: 001G2500	
--------------------------------------	--

001 G0251	White painted aluminum boom with end cap. Section 60 x 40 mm, boom length: 2.7 m.
------------------	--

001 G0461	Package of 24 red, reflective, adhesive strips.
------------------	---

001 G02807	Fixed rest.
-------------------	-------------

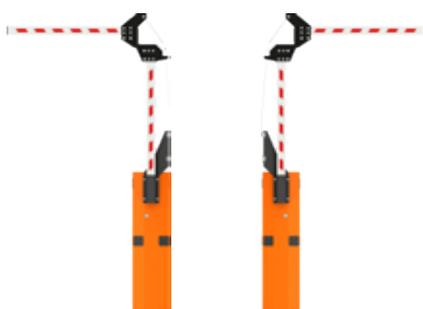
Accessories for: 001G0251	
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001 G0257	Boom joint.
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Applications

Fits the 001G2500



001G0257

Fits the 001G3750 - 001G3751

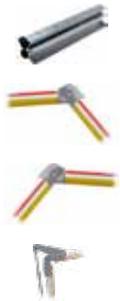


001G03755DX

001G03755SX

THE COMPLETE RANGE

Code	Description
Barriers with 24 V DC gearmotor and built-in control panel	
001 G3750 	Galvanized, painted steel and set up for fitting accessories.
001 G3751 	Barrier made of satin-coated AISI 304 stainless steel, set up for fitting accessories.
Accessories for: 001G3750 - 001G3751	
001 G03750	Semi-oval section boom made of white, painted aluminum, with groove strip and shock-resistant fender. Boom length: 4 m.
001 G0402	Tube section barrier made of white, painted aluminum. Ø 60 mm, boom length: 4.2 m.
001 PSRT01	Heater kit with thermostat.
Accessories for: 001G03750	
001 G03756	Inner reinforcement for semi-oval section barrier; indispensable for gross clearances exceeding 2.5 m.
001 G03755DX	Joint for semi-oval section boom for right-hand barriers.
001 G03755SX	Joint for semi-oval section boom for left-hand barriers.
803XA-0220 	HD (Heavy Duty) semi-elliptical boom joint.
001 G028401	LED luminous cord.
001 G028402	Cable for connecting the luminous cord.
803XC-0010 	Red/green LED STRIP interface.
803XA-0020	Red/green LED strips for booms up to 4-m long.
803XA-0150	Red/green LED strip for booms up to 3 m long.
803XA-0160	Red/green LED strip for jointed HD (Heavy Duty) boom up to 2 m long.
803XA-0190	LED strip connection kit for HD jointed booms up to 2 m.
001 G02809	Package of 20 red, reflective, adhesive strips.
24 V AC - DC magnetic sensors	
009 SMA 	Single.-channel magnetic sensor for detecting metal masses.
009 SMA2 	Two-channel magnetic sensor for detecting metal masses.



Code	Description
Barriers with 24 V DC gearmotor and built-in control panel	
001 G6500 	Galvanized, painted steel and set up for fitting accessories.
001 G6501 	Barrier made of satin-coated AISI 304 stainless steel, set up for fitting accessories.
Accessories for: 001G6500 - 001G6501	
001 G0602	White, painted aluminum, tube-section boom. Ø 100 mm, boom length: 6.85 m.
001 G06850	White, painted aluminum, tube-section boom, with rubber groove covering profile and internal reinforcement. Ø 100 mm, boom length: 6.85 m.
001 PSRT01	Heater kit with thermostat.
Accessories for: 001G06850	
001 G028401	LED luminous cord.
001 G028402	Cable for connecting the luminous cord.
803 XC-0010 	Red/green LED STRIP interface.
803 XA-0230 	Red/green LED strip for booms up to 5 m long.
803 XA-0240 	Red/green LED strip for booms up to 6.5 m long.
001 G02809	Package of 20 red, reflective, adhesive strips.
Accessories for: 001G3750 - 001G3751 - 001G6500 - 001G6501	
002 LB38 	Circuit board for emergency operation and battery charging.



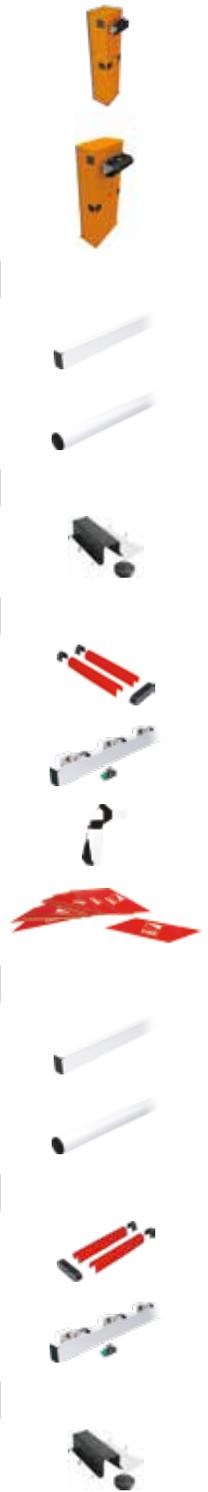
NOTES:
002LB38 - The three 12 V - 7 Ah batteries are not supplied. The 001G3750, 001G3751, 001G4000, 001G6000, 001G6500 and 001G6501 all have battery housings.

THE COMPLETE RANGE

Code	Description
Accessories	
001 G0465	Painted aluminum skirt (modules L = 2 m).
001 G02807	Fixed rest.
001 G02808	Swing rest.
001 G0468	Support for fitting onto the DELTA-I and DELTA-SI photocells cabinet.
001 G04601	Adapter for fitting the KIARO-series flashing light; requires the KIAROS base).
Balancing springs	
001 G02040	Balancing spring Ø 40 mm.
001 G04060	Balancing spring Ø 50 mm.
001 G06080	Balancing spring Ø 55 mm.
24 V AC - DC magnetic sensors	
009 SMA 	Single.-channel magnetic sensor for detecting metal masses.
009 SMA2 	Two-channel magnetic sensor for detecting metal masses.



Code	Description
Barriers with 24 V DC gearmotor and built-in control panel	
001 G4000 	Galvanized, painted steel and set up for fitting accessories.
001 G6000 	Galvanized, painted steel and set up for fitting accessories.
Accessories for: 001 G4000	
001 G0401	White painted aluminum boom with end cap. Section 60 x 40 mm, boom length: 4.2 m.
001 G0402	Tube section barrier made of white, painted aluminum. Ø 60 mm, boom length: 4.2 m.
Accessories for: 001 G0402	
001 G0405	Fastening flange.
Accessories for: 001 G0401	
001 G0403	Red rubber shock-proof edge with end caps.
001 G0460	Pack of six 24 V light bulbs.
001 G0467	Boom joint.
001 G0461	Package of 24 red, reflective, adhesive strips.
Accessories for: 001 G6000	
001 G0601	White painted aluminum boom with end cap. Section 40 x 100 mm, boom length: 6.85 m.
001 G0602	White, painted aluminum, tube-section boom. Ø 100 mm, boom length: 6.85 m.
Accessories for: 001 G0601	
001 G0603	Red rubber shock-proof edge with end caps.
001 G0460	Pack of six 24 V light bulbs.
Accessories for: 001 G0602	
001 G0605	Fastening flange.



THE COMPLETE RANGE

Code Description

Accessories for: 001G4000 - 001G6000

001 G0465	Painted aluminum skirt (modules L = 2 m).
001 G0462	Fixed rest.
001 G0463	Swing rest.
001 G0468	Support for fitting onto the DELTA-I and DELTA-SI photocells cabinet.
001 G04601	Adapter for fitting the KIARO-series flashing light; requires the KIAROS base).

Accessories for: 001G4000 - 001G6000

002 LB38	Circuit board for emergency operation and battery charging.
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24 V AC - DC magnetic sensors

009 SMA	Single.-channel magnetic sensor for detecting metal masses.
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009 SMA2	Two-channel magnetic sensor for detecting metal masses.
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NOTES:

002LB38 - The three 12 V - 7 Ah batteries are not supplied. The 001G3750, 001G3751, 001G4000, 001G6000, 001G6500 and 001G6501 all have battery housings.

001G3750 - 001G3751

Spring Selection Guide for 001G0402 boom

MODELS	LATERAL CLEARANCE WIDTH (m)			
	1,5 ÷ 2	2 ÷ 2,5	2,5 ÷ 3,5	3,5 ÷ 3,75
MODELS	● Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm ● Springs 001G06080 Ø 55 mm			
BOOM COMPOSITION				
Boom with 001G0465 skirt or 001G2808 swing rest.	●	●	●	●
Boom with 001G0465 skirt or 001G2808 swing rest.	●	●		

001G3750 - 001G3751

Spring Selection Guide for 001G03750 boom

MODELS	LATERAL CLEARANCE WIDTH (m)					
	1,5 ÷ 1,75	1,75 ÷ 2,25	2,25 ÷ 2,75	2,75 ÷ 3,25	3,25 ÷ 3,5	3,5 ÷ 3,75
MODELS	● Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm ● Springs 001G06080 Ø 55 mm					
BOOM COMPOSITION						
Boom with shock-resistant fender	●	●	●	●	●	●
Boom with shock-resistant fender and 001G028401 luminous cord	●	●	●	●	●	●
Boom with 001G0465 skirt	●	●	●	●	●	●
Boom with 001G028401 luminous cord and 001G0465 skirt	●	●	●	●	●	●
Boom with anti-shock profile and 001G02808 swing rest.	●	●	●	●	●	●
Boom with anti-shock profile, 001G028401 luminous cord and 001G02808 swing rest.	●	●	●	●	●	●

001G6500 - 001G6501 - 001G6000

Spring Selection Guide for 001G06850 boom

MODELS	LATERAL CLEARANCE WIDTH (m)									
	2 ÷ 2,5	2,5 ÷ 3	3 ÷ 3,5	3,5 ÷ 4	4 ÷ 4,5	4,5 ÷ 5	5 ÷ 5,5	5,5 ÷ 6	6 ÷ 6,5	
MODELS	● Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm ● Springs 001G06080 Ø 55 mm									
BOOM COMPOSITION										
Boom	●	●	●	●●	●	●●	●●	●●	●●	●●
Boom with 001G02808 swing rest	●	●	●●	●●	●●	●●	●●	●●	●●	●●
Boom with 001G028401 luminous cord	●	●	●●	●●	●●	●●	●●	●●	●●	●●
Boom with 001G02808 swing rest and 001G028401 luminous cord	●	●●	●●	●	●●	●●	●●	●●	●●	●●
Boom with 001G0465 skirt	●	●	●●	●	●●	●●	●●	●●	●●	●●
Boom with 001G0465 skirt and 001G028401 luminous cord	●	●●	●●	●●	●●	●●	●●	●●	●●	●●

WARNING! DO NOT EXCEED THE STATED OPERATING LIMITS

The 001G0468 cannot be used on barriers with booms fitted with the 001G0465 skirt or the 001G02808 swing rest.
 001G02808 For lateral clearance up to 3 m (for: 001G3750 - 001G3751) and up to max. 5 m (for: 001G6500 - 001G6501 - 001G4010 - 001G6010).
 001G03756 This reinforcement is OBLIGATORY in the following cases:

- As long as the boom is fitted with the 001G028401 luminous cord.
- For passage clearances exceeding 2.5 m, with 001G02808 swing rest or with 001G0465 skirt
- For passage clearances exceeding 3 m.

001G02807 This fixed rest is OBLIGATORY for passage clearances that exceed 3 m.

GARD 3250

Net clearance up to 3,25 m

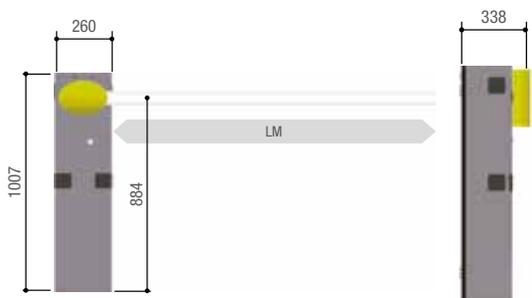


Specific solution for parking facilities with heavy traffic

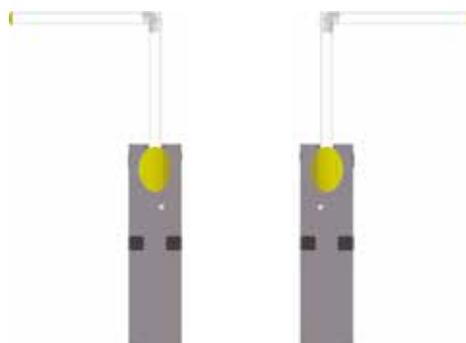
- 24 V DC gearmotor ideal to ensure heavy-duty service levels.
- Linear design with galvanized steel cabinet with rough finish.
- Flashing light and photocells that can be installed directly on the cabinet.
- Boom casing for protection against shearing in opening and closing.



Dimensions (mm)



LM = Max. net clearance width



001G03755SX 001G03755DX

Operational limits

MODELS	G3250
Max. net clearance width (m)	3,25

Technical characteristics

MODELS	G3250
Protection rating (IP)	54
Power supply (V - 50/60 Hz)	230 AC
Power supply to motor (V)	24 DC
Absorption (A)	15 Max.
Power (W)	300
Opening time at 90° (s)	2 ÷ 6
Duty/cycle (%)	HEAVY-DUTY SERVICE
Torque (Nm)	200
Operating temperature (°C)	-20 ÷ +55

● 24 V DC

Code	Description
Barriers with 24 V DC gearmotor and built-in control panel	
001 G3250 	Galvanized, painted steel and set up for fitting accessories.
Accessories	
001 G03250	Semi-oval section white painted aluminum boom, complete with groove covering profile, impact-proof rubber edge, internal reinforcer, luminous cord, connection cable and red reflective adhesive strips. Boom length: 3.5 m
001 G03250K	Semi-oval section boom, made of white, painted aluminum, with groove strip and shock-resistant fender, inner reinforcement, and red, reflective, adhesive strips. Boom length: 3.5 m
001 G0468	Support for fitting onto the DELTA-I and DELTA-SI photocells cabinet.
001 G04601	Adapter for fitting the KIARO-series flashing light; requires the KIAROS base).
Accessories for: 001 G03250K	
001 G03755DX	Joint for semi-oval section boom for right-hand barriers.
001 G03755SX	Joint for semi-oval section boom for left-hand barriers.
803XA-0220 	HD (Heavy Duty) semi-elliptical boom joint.
803XC-0010 	Red/green LED STRIP interface.
803XA-0020	Red/green LED strips for booms up to 4-m long.
803XA-0160	Red/green LED strip for jointed HD (Heavy Duty) boom up to 2 m long.
803XA-0190	LED strip connection kit for HD jointed booms up to 2 m.
Accessories for: 001 G3250	
002 LB38 	Circuit board for emergency operation and battery charging.
24 V AC - DC magnetic sensors	
009 SMA 	Single.-channel magnetic sensor for detecting metal masses.
009 SMA2 	Two-channel magnetic sensor for detecting metal masses.



GARD 5000

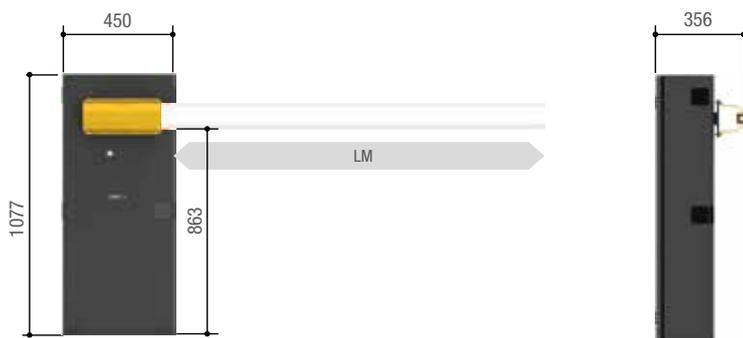
Net clearance up to 5 m



Specific solution for access points with heavy traffic

- 24 V DC gearmotor with encoder is the ideal solution to ensure heavy-duty service levels.
- Linear design with galvanized steel cabinet with rough finish.
- Flashing light and photocells that can be installed directly on the cabinet.
- Control board with display.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



LM = Max. net clearance width

Operational limits

MODELS	G5000
Max. net clearance width (m)	5

Technical characteristics

MODELS	G5000
Protection rating (IP)	54
Power supply (V - 50/60 Hz)	230 AC
Power supply to motor (V)	24 DC
Power (W)	300
Opening time at 90° (s)	4 ÷ 8
Duty/cycle (%)	HEAVY-DUTY SERVICE
Operating temperature (°C)	-20 ÷ +55

● 24 V DC

Code	Description
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Barriers with 24 V DC gearmotor and built-in control panel	
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001G5000 	Barrier with encoder made of galvanized painted steel ready to fit accessories. The barrier includes balancing springs (two item 001G04060).
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Accessories for: 001G5000	
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001G0502	White painted aluminum tube-section boom. Ø 100 mm, boom length: 5.35 m.
001G05350	White painted aluminum tube-section boom with rubber groove-covering profile. Ø 100 mm, boom length: 5.35 m.
002RSE	Interface card for controlling two operators or for enabling the Came Remote Protocol.
001R800	Control board for decoding and access-control management via keypad selectors.
001R700	Card for decoding and access control with transponder.
001PSRT01	Heater kit with thermostat.



Accessories for: 001G05350	
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001G028401	LED luminous cord.
001G028402	Cable for connecting the luminous cord.
803XC-0010	Red/green LED STRIP interface.
803XA-0230	Red/green LED strip for booms up to 5 m long.



Accessories for: 001G5000	
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002LB39 	Circuit board for emergency operation and battery charging.
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Accessories	
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001G0468	Support for fitting onto the DELTA-I and DELTA-SI photocells cabinet.
001G04601	Adapter for fitting the KIARO-series flashing light; requires the KIAROS base).
001G0465	Painted aluminum skirt (modules L = 2 m).
001G02807	Fixed rest.
001G02808	Swing rest.
001G02809	Package of 20 red, reflective, adhesive strips.



24 V AC - DC magnetic sensors	
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009SMA 	Single-channel magnetic sensor for detecting metal masses.
009SMA2 	Two-channel magnetic sensor for detecting metal masses.



GARD 3

Net clearance up to 2,75 m

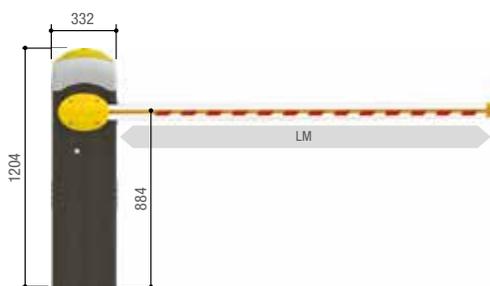


Ideal solution for heavy-duty service on driveway

- 24 V DC gearmotor with encoder is the ideal solution to ensure heavy-duty service levels.
- Linear design with galvanized steel cabinet with rough finish.
- Built-in LED flashing light.
- Photocells that can be integrated directly into the cabinet.
- Boom casing for protection against shearing in opening and closing.
- Accessory for boom safety release in case of impact for high traffic applications.



Dimensions (mm)



LM = Max. net clearance width



001G03000 - 001G03006

001G03006 - BASIC, detaching, boom fastener. Only for 001G03001 semi-oval section booms.



001G03005

001G03005 - PLUS, detaching, boom fastener. Only for 001G03001 semi-oval section booms.

001G03000 - Basic detachable boom attachment support. Only for 001G03002 tube-shaped section booms.

Operational limits

MODELS	G3000DX	G3000SX	G3000IDX	G3000ISX
Max. net clearance width (m)	2,75	2,75	2,75	2,75

Technical characteristics

MODELS	G3000DX	G3000SX	G3000IDX	G3000ISX
Protection rating (IP)	54	54	54	54
Power supply (V - 50/60 Hz)	120 - 230 AC			
Power supply to motor (V)	24 DC	24 DC	24 DC	24 DC
Absorption (A)	15 Max.	15 Max.	15 Max.	15 Max.
Power (W)	300	300	300	300
Opening time at 90° (s)	0,9	0,9	0,9	0,9
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Torque (Nm)	200	200	200	200
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

● 24 V DC

Code	Description
Barriers with 24 V DC gearmotor and built-in control panel	
001 G3000DX  	Right-hand barrier made of painted galvanized satin-finish steel, set up to fit accessories.
001 G3000SX  	Left-hand barrier made of painted galvanized satin-finish steel, set up to fit accessories.
001 G3000IDX  	Right-hand barrier made of AISI 304 satin-finish steel, set up to fit accessories.
001 G3000ISX  	Left-hand barrier made of AISI 304 satin-finish steel, set up to fit accessories.
Obligatory accessories	
001 G03001	Semi-oval section white painted aluminum boom, complete with groove covering profile, impact-proof rubber edge, luminous cord, connection cable and red reflective adhesive strips. Boom length: 3 m.
001 G03002	Tubular section white painted aluminum boom complete with and red reflective adhesive strips. Boom length: 3 m.
Obligatory accessories for: 001G03001	
001 G04060	Balancing spring Ø 50 mm.
001 G03003	Flange for attaching a semi-oval section boom, complete with internal reinforcement, flange cover and cap.
Obligatory accessories for: 001G03002	
001 G02040	Balancing spring Ø 40 mm.
001 G03004	Flange for attaching a semi-oval section boom, complete with flange cover and cap.
Accessories for: 001G03001 (excludes using the 001G02807)	
001 G03006	Basic detachable boom attachment support.
001 G03005	Detachable plus boom supporting attachment.
Accessories for: 001G03002 (excludes using the 001G02807)	
001 G03000	Detaching boom fastener.
Accessories	
001 G02801	Integrated, dome flashing light.
001 G02802	Support for fitting DIR-series photocells.
001 G02807	Fixed rest.
24 V AC - DC magnetic sensors	
009 SMA 	Single.-channel magnetic sensor for detecting metal masses.
009 SMA2 	Two-channel magnetic sensor for detecting metal masses.



GARD 4

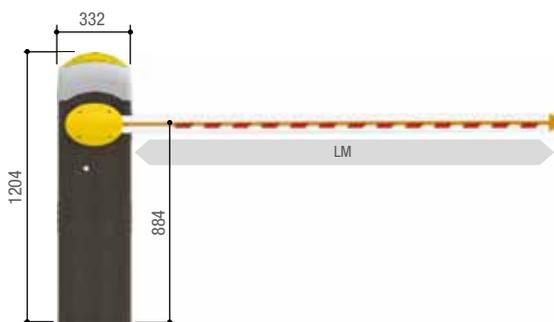
Net clearance up to 3,75 m



Ideal solution for heavy-duty service on driveway

- 24 V DC gearmotor available also with encoder to ensure heavy-duty service levels.
- Linear design with galvanized steel cabinet with rough finish.
- Also available made of AISI 304 stainless steel.
- Built-in LED flashing light.
- Photocells that can be integrated directly into the cabinet.
- Boom casing for protection against shearing in opening and closing.
- Accessory for boom safety release in case of impact for high traffic applications.
- Available with paired or alternate operation (only for G4040E - G4040IE - G4040EZ - G4040EZT).
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



G40402 PLUS, detaching, boom fastener. After impact, the detached boom turns 90° and the end rests onto the ground.

G40403 BASIC, detaching, boom fastener. After impact, the end of the detached boom rests onto the ground.

LM = Max. net clearance width

Operational limits

MODELS	G4040Z	G4040IZ	G4040E	G4040IE	G4040EZ	G4040EZT
Max. net clearance width (m)	3,75	3,75	3,75	3,75	3,75	3,75

Technical characteristics

MODELS	G4040Z	G4040IZ	G4040E	G4040IE	G4040EZ	G4040EZT
Protection rating (IP)	54	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC					
Power supply to motor (V)	24 DC					
Absorption (A)	15 Max.					
Power (W)	300	300	300	300	300	300
Opening time at 90° (s)	2 ÷ 6*	2 ÷ 6*	2 ÷ 6*	2 ÷ 6*	2 ÷ 6*	2 ÷ 6*
Duty/cycle (%)	HEAVY-DUTY SERVICE					
Torque (Nm)	200	200	200	200	200	200
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

* The speed must be adjusted to the boom's dimensions

Code	Description
Barriers with 24 V DC gearmotor and built-in control panel	
001G4040Z	Galvanized, painted steel and set up for fitting accessories.
001G4040IZ	Barrier made of satin-coated AISI 304 stainless steel, set up for fitting accessories.
001G4040E	Barrier with encoder, made of painted, galvanized steel and set up to take accessories.
001G4040IE	Barrier with encoder, made of AISI 304 satin-finish stainless steel, set up to take accessories.
001G4040EZ	Barrier with encoder, made of painted, galvanized steel and set up to take accessories.
001G4040EZT	Painted galvanized-steel barrier with encoder and high-performance bronze gears, ready to fit accessories, with boom-position signalling by means of clean contacts.
Accessories for: 001G4040Z - 001G4040IZ	
002LB38	Circuit board for emergency operation and battery charging.
Accessories for: 001G4040E - 001G4040IE - 001G4040EZ - 001G4040EZT	
002LB39	Circuit board for emergency operation and battery charging.



NOTES:
 002LB38 - Three 12 V - 7 Ah batteries (not supplied); there is an inner housing in: 001G4040Z - 001G4040IZ
 002LB39 - Two 12 V - 7 Ah batteries (not supplied). The 001G4040E - 001G4040IE - 001G4040EZ - 001G4040EZT feature an internal battery housing.



WE CONNECT. YOU CONTROL.

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THE FOLDING BOOM

The special accessory for semi-oval booms lets you fit a barrier even when the clearance would prevent a straight boom from opening, such as in underground parking lots.



MADE OF AISI 304 STEEL

The GARD 4 and GARD 8 barriers are available also made of satin-finish AISI 304 stainless steel, for installing in harsh climates.

THE COMPLETE RANGE

Code Description

Balancing springs	
001G02040	Balancing spring Ø 40 mm.
001G04060	Balancing spring Ø 50 mm.
001G06080	Balancing spring Ø 55 mm.
Accessories	
001G02801	Integrated, dome flashing light.
001G02802	Support for fitting DIR-series photocells.
001G03751	Brace for fitting emergency batteries.
001G03750	Semi-oval section boom made of white, painted aluminum, with groove strip and shock-resistant fender. Boom length: 4 m.
001G03752	White painted semi-oval section boom, with groove covering profile. Boom length: 4 m.
001G0465	Painted aluminum skirt (modules L = 2 m).
001G02807	Fixed rest.
001G02808	Swing rest.
001G02809	Package of 20 red, reflective, adhesive strips.
001PSRT01	Heater kit with thermostat.



001G4040Z - 001G4040IZ - 001G4040E - 001G4040IE - 001G4040EZ

Spring Selection Guide for 001G03752 boom.

MODELS	LATERAL CLEARANCE WIDTH (m)					
	1,5 ÷ 1,75	1,75 ÷ 2,25	2,25 ÷ 2,75	2,75 ÷ 3,25	3,25 ÷ 3,5	3,5 ÷ 3,75
Boom	●	●	●	●	●	●
Boom with 001G028401 luminous cord	●	●	●	●	●	●
Boom with 001G0465 skirt	●	●	●	●	●	●
Boom with 001G028401 luminous cord and 001G0465 skirt	●	●	●	●	●	●
Boom with 001G02808 swing rest	●	●	●	●	●	●
Boom with 001G028401 luminous cord and 001G02808 swing rest.	●	●	●	●	●	●

MODELS	LATERAL CLEARANCE WIDTH (m)					
	1,5 ÷ 1,75	1,75 ÷ 2,25	2,25 ÷ 2,75	2,75 ÷ 3,25	3,25 ÷ 3,5	3,5 ÷ 3,75
Boom with shock-resistant fender	●	●	●	●	●	●
Boom with shock-resistant fender and 001G028401 luminous cord	●	●	●	●	●	●
Boom with 001G0465 skirt	●	●	●	●	●	●
Boom with 001G028401 luminous cord and 001G0465 skirt	●	●	●	●	●	●
Boom with anti-shock profile and 001G02808 swing rest.	●	●	●	●	●	●
Boom with anti-shock profile, 001G028401 luminous cord and 001G02808 swing rest.	●	●	●	●	●	●

Code	Description
Accessori per: 001G03752	
001 G03753	Fastening flange for semi-oval section boom.
Accessories for: 001G03750	
001 G028401	LED luminous cord.
001 G028402	Cable for connecting the luminous cord.
803XC-0010	Red/green LED STRIP interface.
803XA-0020	Red/green LED strips for booms up to 4-m long.
803XA-0150	Red/green LED strip for booms up to 3 m long.
803XA-0160	Red/green LED strip for jointed HD (Heavy Duty) boom up to 2 m long.
803XA-0190	LED strip connection kit for HD jointed booms up to 2 m.
001 G03756	Inner reinforcement for semi-oval section barrier; indispensable for gross clearances exceeding 2.5 m.
001 G03755DX	Joint for semi-oval section boom for right-hand barriers.
001 G03755SX	Joint for semi-oval section boom for left-hand barriers.
803XA-0220	HD (Heavy Duty) semi-elliptical boom joint.
001 G04003	BASIC, detaching, boom fastener.
001 G04002	PLUS, detaching, boom fastener.
24 V AC - DC magnetic sensors	
009 SMA	Single.-channel magnetic sensor for detecting metal masses.
009 SMA2	Two-channel magnetic sensor for detecting metal masses.



WARNING! DO NOT EXCEED THE STATED OPERATING LIMITS

001G02802 Cannot be used with barriers fitted with 001G0465 skirts or 001G02808 swing rests.

001G02808 For clearance widths of up to max. 3 m.

001G03756 This reinforcement is OBLIGATORY in the following cases:

- As long as the boom is fitted with the 001G028401 luminous cord.
- For passage clearances exceeding 2.5 m, with 001G02808 swing rest or with 001G0465 skirt.
- For passage clearances exceeding 3 m.

001G02807 This swing rest is OBLIGATORY for clearance widths of over 3 m.

001G0465 - 001G02808 Cannot be used together.

GARD 8

Net clearance up to 7,6 m

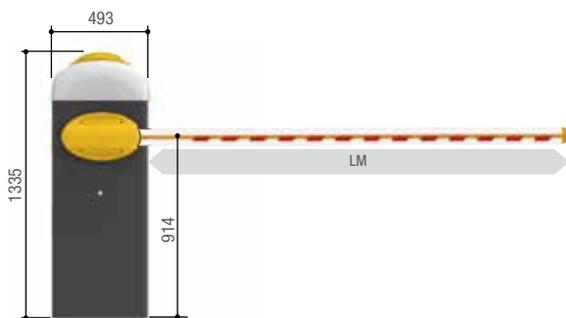


Ideal solution for applying in private homes and industrial plants

- 24 V DC gearmotor available also with encoder to ensure heavy-duty service levels.
- Linear design with galvanized steel cabinet with rough finish.
- Also available made of AISI 304 stainless steel.
- Built-in LED flashing light.
- Photocells that can be integrated directly into the cabinet.
- Boom casing for protection against shearing in opening and closing.
- Accessory for boom safety release in case of impact for high traffic applications.
- Available with paired or alternate operation (only for G2080E and G2080IE - G2080EZC - G2080EZT).
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



LM = Max. net clearance width



G028011
Detaching boom fastener.
After impact, the end of the detached boom rests onto the ground.
Maximum boom length: 6 m.

Operational limits

MODELS	G2080Z	G2080IZ	G2080E	G2080IE	G2080EZC	G2080EZT
Max. net clearance width (m)	7,6	7,6	7,6	7,6	7,6	7,6

Technical characteristics

MODELS	G2080Z	G2080IZ	G2080E	G2080IE	G2080EZC	G2080EZT
Protection rating (IP)	54	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC					
Power supply to motor (V)	24 DC					
Absorption (A)	15 Max.					
Power (W)	300	300	300	300	300	300
Opening time at 90° (s)	4 ÷ 8*	4 ÷ 8*	4 ÷ 8*	4 ÷ 8*	4 ÷ 8*	4 ÷ 8*
Duty/cycle (%)	HEAVY-DUTY SERVICE					
Torque (Nm)	600	600	600	600	600	600
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

* The speed must be adjusted to the boom's dimensions

Code	Description
Barriers with 24 V DC gearmotor and built-in control panel	
001 G2080Z 	Galvanized, painted steel and set up for fitting accessories.
001 G2080IZ 	Barrier made of satin-coated AISI 304 stainless steel, set up for fitting accessories.
001 G2080E 	Barrier with encoder, made of painted, galvanized steel and set up to take accessories.
001 G2080IE 	Barrier with encoder, made of AISI 304 satin-finish stainless steel, set up to take accessories.
001 G2080EZC 	Barrier with encoder, made of painted, galvanized steel and set up to take accessories.
001 G2080EZT 	Painted galvanized-steel barrier with encoder and high-performance bronze gears, ready to fit accessories.
Accessories for: 001G2080Z - 001G2080IZ - 001G2180Z - 001G2180ZS	
002 LB38 	Circuit board for emergency operation and battery charging.
Accessories for: 001G2080E - 001G2080IE - 001G2080EZT	
002 LB39 	Circuit board for emergency operation and battery charging.



NOTES:
 002LB38 - Three 12 V - 7 Ah batteries (not supplied); there is an inner housing in: 001G2080Z
 002LB39 - No. 2 12 V - 7 Ah batteries (not supplied); there is an inner battery housing on: 001G2080E - 001G2080IE - 001G2080EZT - 001G2080EZC



DETACHING BOOM FASTENER

An accessory for horizontally opening the barrier in case of any accidental impacts.



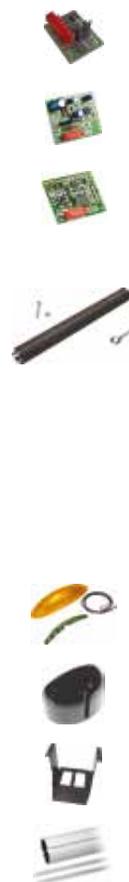
MADE OF AISI 304 STEEL

The GARD 4 and GARD 8 barriers are available also made of satin-finish AISI 304 stainless steel, for installing in harsh climates.

THE COMPLETE RANGE

Code Description

Code	Description
Accessories for: 001G2080E - 001G2080IE - 001G2080EZT	
002 RSE	Interface card for controlling two operators or for enabling the Came Remote Protocol.
001 R700	Card for decoding and access control with transponder.
001 R800	Control board for decoding and access-control management via keypad selectors.
Balancing springs	
001 G02040	Balancing spring Ø 40 mm.
001 G04060	Balancing spring Ø 50 mm.
001 G06080	Balancing spring Ø 55 mm.
Accessories	
001 G02801	Integrated, dome flashing light.
001 G02802	Support for fitting DIR-series photocells.
001 G02805	Rack for housing the emergency batteries.
001 G02000	White painted, tube-section aluminum boom, with groove covering profile. Ø 100 mm, boom length: 2 m.
001 G04000	White painted, tube-section aluminum boom, with groove covering profile. Ø 100 mm, boom length: 4 m.
001 G06000	White painted, tube-section aluminum boom, with groove covering profile. Ø 100 mm, boom length: 6 m.



001G2080Z - 001G2080IZ - 001G2080E - 001G2080IE - 001G2080EZT - 001G2080EZC

Spring Selection Guide for 001G02000 - 001G04000 – 001G06000 booms

MODELS	LATERAL CLEARANCE WIDTH (m)										
	2 ÷ 2,5	2,5 ÷ 3	3 ÷ 3,5	3,5 ÷ 4	4 ÷ 4,5	4,5 ÷ 5	5 ÷ 5,5	5,5 ÷ 6	6 ÷ 6,5	6,5 ÷ 7	7 ÷ 7,6
Boom	●	●	●	●●	●	●●	●●	●●	●●	●●	●●
Boom with 001G02808 swing rest	●	●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Boom with 001G028401 luminous cord	●	●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Boom with 001G02808 swing rest and 001G028401 luminous cord	●	●●	●●	●	●●	●●	●●	●●	●●	●●	●●
Boom with 001G0465 skirt	●	●	●●	●	●●	●●	●●	●●	●●	●●	●●
Boom with 001G0465 skirt and 001G028401 luminous cord	●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●

Code	Description
Accessories	
001 G0465	Painted aluminum skirt (modules L = 2 m).
001 G02807	Fixed rest.
001 G02808	Swing rest.
001 G02809	Package of 20 red, reflective, adhesive strips.
001 G028011	Detaching boom fastener.
001 PSRT01	Heater kit with thermostat.
Accessories for: 001G06000	
001 G06802	Required for passage clearances of over 4 m.
Accessories for: 001G02000 - 001G04000 - 001G06000	
001 G06803	Boom joint, with inner reinforcement.
001 G028401	LED luminous cord.
001 G028402	Cable for connecting the luminous cord.
803XC-0010 	Red/green LED STRIP interface.
803XA-0230 	Red/green LED strip for booms up to 5 m long.
803XA-0240 	Red/green LED strip for booms up to 6.5 m long.
803XA-0250 	Red/green LED strip for booms up to 8 m long.
24 V AC - DC magnetic sensors	
009 SMA 	Single.-channel magnetic sensor for detecting metal masses.
009 SMA2 	Two-channel magnetic sensor for detecting metal masses.



WARNING! DO NOT EXCEED THE STATED OPERATING LIMITS

001G02802 Cannot be used with barriers fitted with 001G0465 skirts or 001G02808 swing rests.
 001G02807 For passage width clearances of up to max. 7 m.
 001G02808 This swing rest is OBLIGATORY for clearance widths of over 7 m.
 001G0465 - 001G02808 Cannot be used together.
 G028011 - Maximum boom length = 6 m.

GARD 12

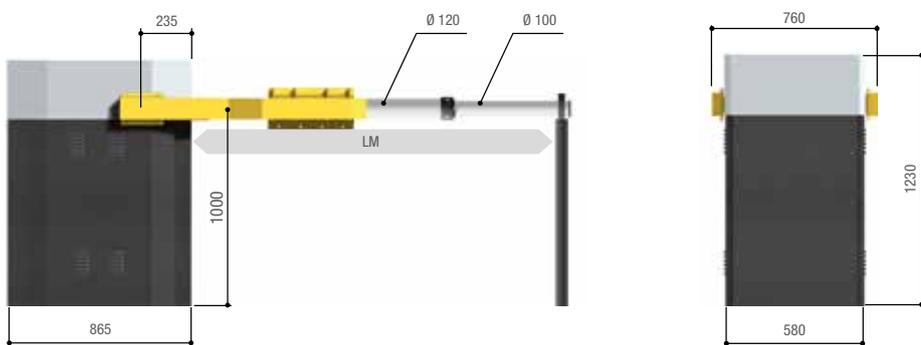
Net clearance up to 12 m



Specific solution for special applications

- Two 24 V DC gearmotors installed on the same axis to offer greater drive torque.
- Balancing with modular counterweights, it guarantees a safe and reliable movement of the boom.
- Sturdy structure with galvanized steel cabinet with rough finish.

Dimensions (mm)



LM = Max. net clearance width

Operational limits

MODELS	G12000K
Max. net clearance width (m)	12

Technical characteristics

MODELS	G12000K
Protection rating (IP)	54
Power supply (V - 50/60 Hz)	230 AC
Power supply to motor (V)	24 DC
Absorption (A)	15 Max.
Power (W)	300
Opening time at 90° (s)	10
Duty/cycle (%)	50
Torque (Nm)	600
Operating temperature (°C)	-20 ÷ +55

Code	Description
Barriers with 24 V DC gearmotor and built-in control panel	
001 G12000K 	Barrier made of painted, galvanized steel.
Accessories for: 001G12000K	
002 LB38 	Circuit board for emergency operation and battery charging.
Obligatory accessories for: 001G12000K	
001 G1325	Package of 20 counter-weights.
Accessories	
001 G0121	White painted aluminum tube boom, with end cap, made up of: L one fixed rest, one tube boom L = 6,200 mm Ø 120 mm, one tube boom L = 6,000 mm Ø 100 mm, one boom extender accessory.
001 G0461	Package of 24 red, reflective, adhesive strips.
24 V AC - DC magnetic sensors	
009 SMA 	Single.-channel magnetic sensor for detecting metal masses.
009 SMA2 	Two-channel magnetic sensor for detecting metal masses.



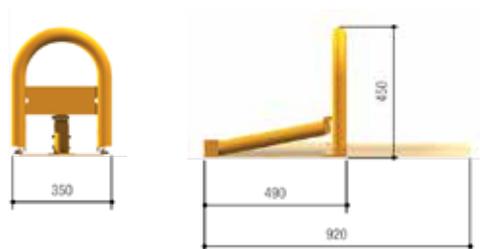
NOTES:
002LB38 - Three 12 V - 7 Ah batteries (not supplied), set up a suitable external battery housing that can fit in the barrier cabinet on: 001G12000K

Parking saver for residential settings and public spaces

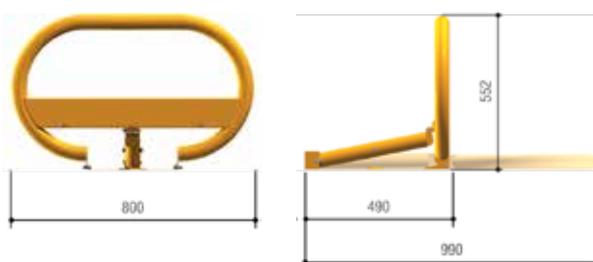
- Solution controllable via radio, to reserve the parking space.
- Simple and functional fixing base.
- It works in emergency mode during power outages.
- Safety is ensured by the amperometric obstruction-detecting and limit-switch controlling device.



Dimensions (mm)



001UNIP
001ARK1



001UNIP
001ARK2

Operational limits

MODEL	UNIP + ARK1	UNIP + ARK2
Max clearance width of parking space (m)	2	2,45

NOTE: Colore RAL 1028

Technical characteristics

MODELS	UNIP
Protection rating (IP)	54
Power supply (V - 50/60 Hz)	230 AC
Power supply to motor (V)	24 AC
Absorption (A)	1,7 Max.
Power (W)	20
Duty/cycle (%)	HEAVY-DUTY SERVICE
Resistance to crushing (kg/cm ²)	2,5
Operating temperature (°C)	-20 ÷ +55

Code	Description
Parking guard barriers with 24 V DC gearmotor	
001 UNIP 	Irreversible gearmotor with fastening plate.
Control panels for 24 V DC gearmotors	
002 ZL22 	Control panel for one barrier, expandable to four barriers by using three 002LM22 control cards.
Accessories for: 002ZL22	
002 LM22 	Motor expansion control card.
002 LB22 	Circuit board for emergency operation and battery charging.
Extra accessories	
001 ARK1	SMALL barrier.
001 ARK2	LARGE barrier.



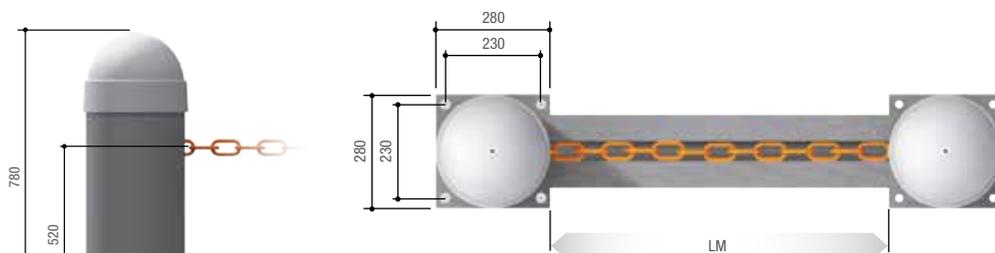
NOTES:
002LB22 - Two 12 V - 1.2 Ah batteries (not supplied), on 001UNIP there is an inner battery housing.



Solution for access management in private and public settings

- CAME patented device for the management of reserved areas and private accesses.
- Sturdy and impact-resistant steel structure.
- Quick and simple installation.
- Guides to guarantee the chain protection with open passage.
- 24 V DC version available for obstacle detection and chain speed adjustment.

Dimensions (mm)



LM = Max. net clearance width

Operational limits

MODEL	CAT-15 (5 mm chain)	CAT-5 (9 mm chain)
Max. net clearance width (m)	16	8

NOTES: Cover color RAL 9006 – Cabinet color ROUGH GRAY code 053 0837

Technical characteristics

MODELS	CAT-X	CAT-X24
Protection rating (IP)	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC
Power supply to motor (V)	230 AC 50/60 Hz	24 DC
Absorption (A)	2,7	10 Max.
Power (W)	300	240
Duty/cycle (%)	30	HEAVY-DUTY SERVICE
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	-

Code	Description
230 V AC chain-barrier	
001 CAT-X	Post with gearmotor and built-in control panel.
24 V DC chain barrier	
001 CAT-X24	Post with gearmotor and built-in control panel.
Accessories for: 001 CAT-X24	
002 LB38	Circuit board for emergency operation and battery charging.
Chain-barrier post, for: 001CAT-X – 001CAT-X24	
001 CAT-I	Post with counter-weight and chain latch.
Accessories	
001 CAT-5	Genovese-type, 9 mm chain for clearances of up to 8 m.
001 CAT-15	Genovese-type, 5 mm chain for clearances of up to 16 m.
001 CAR-2	Above-round, chain protection guide L = 2 m.
001 CAR-4	Below-ground, chain protection guide L = 2 m.



NOTES:
 002LB38 - Three 12 V - 1.2 batteries (not supplied), there is an inner battery housing on: 001CAT-X24
 002LB38 - Three 12 V - 7 Ah batteries (not supplied), set up an external battery housing on: 001CAT-X24

CONTROL BOARD FUNCTIONS

The table shows all of the characteristics of the street barrier control-panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.

		24		24		24		24	
Models / Series	G2500	G3750 G3751 G4040Z G4040IZ G2080Z G2080IZ G6500 G6501 G3250	G12000K	G4040E G4040IE G2080E G2080IE	G4040EZT G4040EZ G2080EZC G2080EZT G5000	G3000DX G3000SX G3000IDX G3000ISX	803BB-0070 803BB-0330	803BB-0120	
Control board / Control panel	ZC5	001ZL38	ZL37B	ZL39	ZL39EX	ZL30	ZLB30A	ZLB30B	
Safety									
SELF-DIAGNOSING safety decives				●	●	●	●	●	●
PRE-FLASHING when opening and closing		●	●	●	●	●	●	●	●
REOPENING during closing	●	●	●	●	●	●	●	●	●
CLOSING AGAIN during opening									
Obstruction WAIT				●	●	●			
TOTAL STOP	●	●	●	●	●	●	●	●	●
PARTIAL STOP							●	●	●
OBSTRUCTION DETECTION in front of photocells		●	●	●	●	●	●	●	●
ENCODER				●	●	●	●	●	●
MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device.				●	●	●	●	●	●
AMPEROMETRIC DETECTION		●	●	●	●	●	●	●	●
Command									
PARTIAL OPENING 1 leaf				●*	●*				
OPEN ONLY from transmitter and/or from button		●	●	●	●	●	●	●	●
ONLY OPEN or ONLY CLOSE button connection	●	●	●	●	●	●	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or button						●	●	●	●
OPEN-CLOSE-INVERT from the transmitter and/or button	●	●	●	●	●	●	●	●	●
MAINTAINED ACTION		●	●	●	●	●	●	●	●
IMMEDIATE CLOSING		●	●	●	●	●	●	●	●
Characteristics									
FLASHING LIGHT connection	●	●	●	●	●	●	●	●	●
CYCLE LIGHT connection				●	●		●	●	●
COURTESY LIGHT connection				●	●		●	●	●
Antenna	●	●	●	●	●	●	●	●	●
OPEN ALERT LIGHT connection	●	●	●	●	●	●	●	●	●
CLOSED ALERT LIGHT connection	●								
Contact output for 2nd RADIO CHANNEL									
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●	●	●	●
OPERATING TIME adjusting	●			●	●	●			
Connection for the ELECTRIC LOCK and/or RAMMING							●	●	●
SLEEP MODE				●	●				
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●	●	●	●	●	●	●
OPENING and/or CLOSING slow downs		●	●	●	●	●	●	●	●
EMERGENCY BATTERY operation (optional)		●	●	●	●		●	●	●
MASTER-SLAVE		●		●	●		●	●	●
Adjustable TRAVEL and SLOW-DOWN speeds*		●	●	●	●	●	●	●	●
DISPLAY				●	●	●	●	●	●
Electronic brake		●							
SELF-LEARNING opening and closing limit-switches				●	●	●	●	●	●
CAME Connect							●	●	●
Designed to fit RIO System 2.0									
CRP control					●		●	●	●
ENERGY SAVINGS control (001RGP1)									
Firmware update from USB							●	●	●

● 230 V AC ● 24 - 36 V DC

* Only available in paired mode

The table shows the characteristics of the parking system and chain barrier, operator-specific, control panels. The ones in bold type are important for choosing which operator to install and should be assessed from the start.

Models / Series			
	CAT-X	CAT-X24	UNIPARK
Control board / Control panel	ZC5	ZL37C	ZL22
Safety			
SELF-DIAGNOSING safety decives			
PRE-FLASHING when opening and closing		●	
REOPENING during closing	●	●	●
CLOSING AGAIN during opening			
Obstruction WAIT			
TOTAL STOP	●	●	●
PARTIAL STOP			
OBSTRUCTION DETECTION in front of photocells		●	
ENCODER			
MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device.			
AMPEROMETRIC DETECTION		●	●
Command			
PEDESTRIAN OPENING 1 leaf			
PARTIAL OPENING 1 leaf			
OPEN ONLY from transmitter and/or from button			
ONLY OPEN or ONLY CLOSE button connection	●	●	
OPEN-STOP-CLOSE-STOP from the transmitter and/or button			
OPEN-CLOSE-INVERT from the transmitter and/or button	●	●	●
MAINTAINED ACTION		●	
DELAYED OPENING 1st leaf			
DELAYED OPENING 2nd leaf			
IMMEDIATE CLOSING		●	
EMERGENCY RELEASE from the transmitter			
Characteristics			
FLASHING LIGHT connection	●	●	
CYCLE LIGHT connection			
COURTESY LIGHT connection			
Antenna	●	●	●
OPEN ALERT LIGHT connection	●	●	
CLOSED ALERT LIGHT connection	●		
Contact output for 2nd RADIO CHANNEL			
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●
OPERATING TIME adjusting	●		
Connection for the ELECTRIC LOCK and/or RAMMING			
SLEEP MODE			
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	
OPENING and/or CLOSING slow downs			
EMERGENCY BATTERY operation (optional)		●	●
MASTER-SLAVE			
Adjustable TRAVEL and SLOW-DOWN speeds*		●	
DISPLAY			
Electronic brake			
SELF-LEARNING opening and closing limit-switches			
Connection to the solar panel			
CAME Connect			
Designed to fit RIO System 2.0			
CRP control			
ENERGY SAVINGS control (001RGP1)			
Firmware update from USB			

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PS

Entry-level solution for the management of small installations with transponder-token or barcode systems

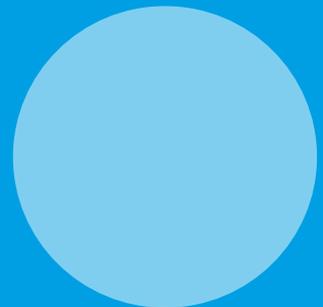
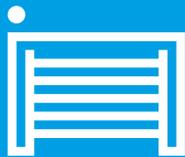


LINCE 6

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INDUSTRIAL DOOR AUTOMATION



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Selection guide

Industrial door automations

The table shows the series and models and their operating limits according to the max. length of the leaf or its max. height, depending on the type of application.

SWING LEAF DOORS		
Series	Model	Max. width of leaf (m) / Max. weight of leaf (kg)
F4000	F4024E	1,5 / 200
F4000	F40230E	2 / 300
F4000	F4024EP	2 / 300
SINGLE-LEAF FOLDING DOORS		
Series	Model	Max. width of leaf (m) / Max. weight of leaf (kg)
F4000	F4024E	1,2 / 150
F4000	F40230E	1,2 / 200
F4000	F4024EP	1,2 / 200
SLIDING AND FOLDING SLIDING DOORS		
Series	Model	Max. width of leaf (m)
CBX	C-BXE	5,5
CBX	C-BXEK	5,5
CBX	C-BXET	5,5
CBX	C-BXE24	5,5
CBX	C-BX	11
CBX	C-BXK	11
CBX	C-BXT	11
SECTIONAL DOORS WITH DIRECT TRANSMISSION		
Series	Model	Max. height of leaf (m)
CBX	C-BX	5,5
CBX	C-BXE	5,5
CBX	C-BXK	5,5
CBX	C-BXEK	5,5
CBX	C-BXET	5,5
CBX	C-BXE24	5,5
CBX	C-BXT	5,5
CHAIN-DRIVEN SECTIONAL DOORS		
Series	Model	Max. height of leaf (m)
CBX	C-BX	8,5
CBX	C-BXE	8,5
CBX	C-BXK	8,5
CBX	C-BXEK	8,5
CBX	C-BXET	8,5
CBX	C-BXE24	8,5
CBX	C-BXT	8,5

● 230 V AC ● 24 V DC ● 230 – 400 V AC THREE PHASE

Winding shutters

The tables summarize the series and models with their maximum operating limits only according to the hoisting strength of the gearmotors for roller shutters.

Series	Model	Max. hoisting strength (kg)
H4	H40230120	120
H4	H41230120	120
H4	H40230180	180
H4	H41230180	180

● 230 V AC



SECTIONAL DOOR

This operator is generally fitted in automated loading/unloading bays, but is often used as the main closure.



SLIDING DOOR

This operator is widely used in industrial facilities.



FOLDING DOOR

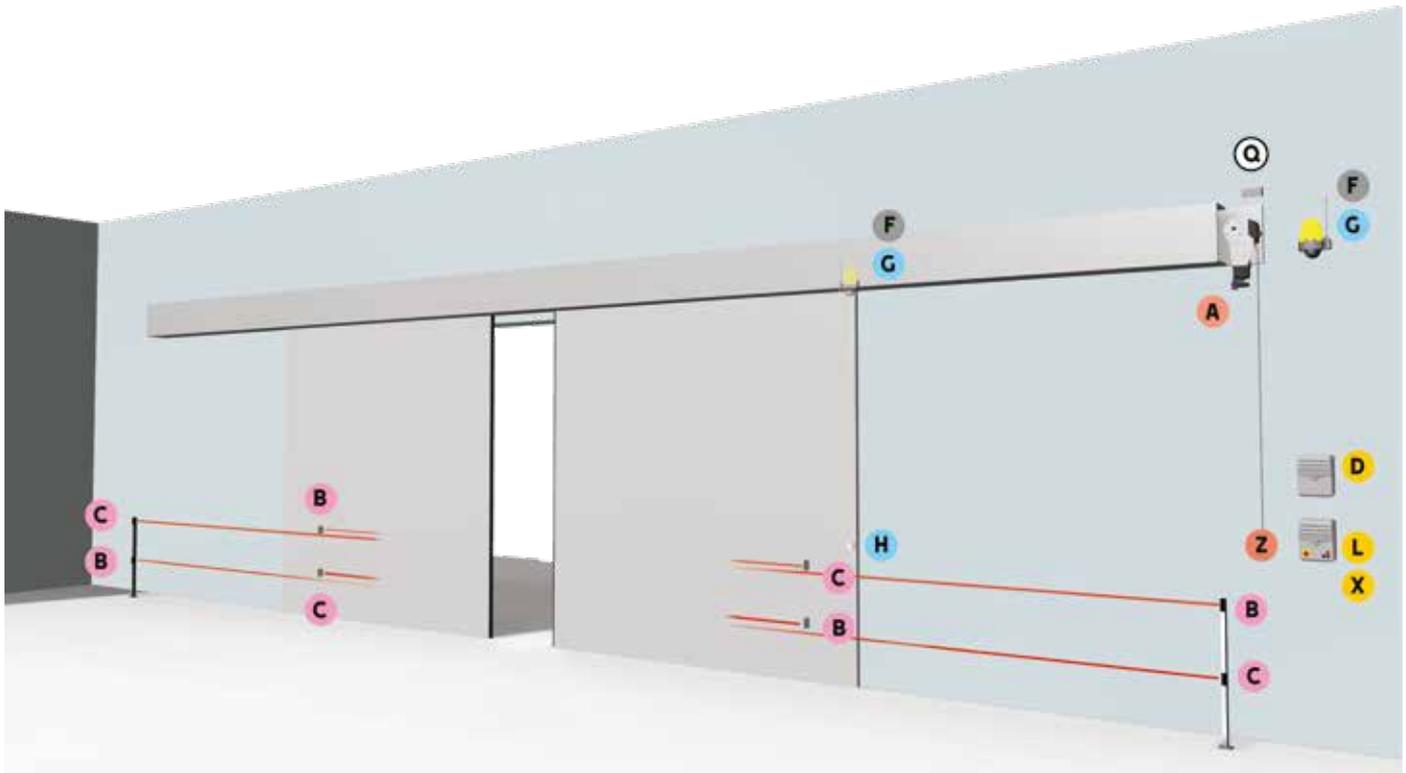
This operator is used to close very wide entrances while limiting, as much as possible, the space taken up laterally when the door is open.

The flashing light: For extra safety!

CAME suggests installing the flashing light for signaling that the mechanical parts are moving. Today the KIARO range has been renewed with new models with LED light that reduces energy consumption and provides longer life.



CHAIN-DRAWN SLIDING DOOR



COMPONENTS

- A** Gearmotor
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- L** Control panel
- Q** Junction box
- X** Radio frequency card
- Z** Release device

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply 230 - 400 V AC three phase	4G x 1.5 mm ²	4G x 1.5 mm ²	4G x 2.5 mm ²
Power supply to motor 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 230 - 400 V AC three phase	4G x 1.5 mm ²	4G x 1.5 mm ²	4G x 2.5 mm ²
Power supply to motor 24 or 36 V DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Limit switch micro-switches	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Flashing light 230 V AC	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

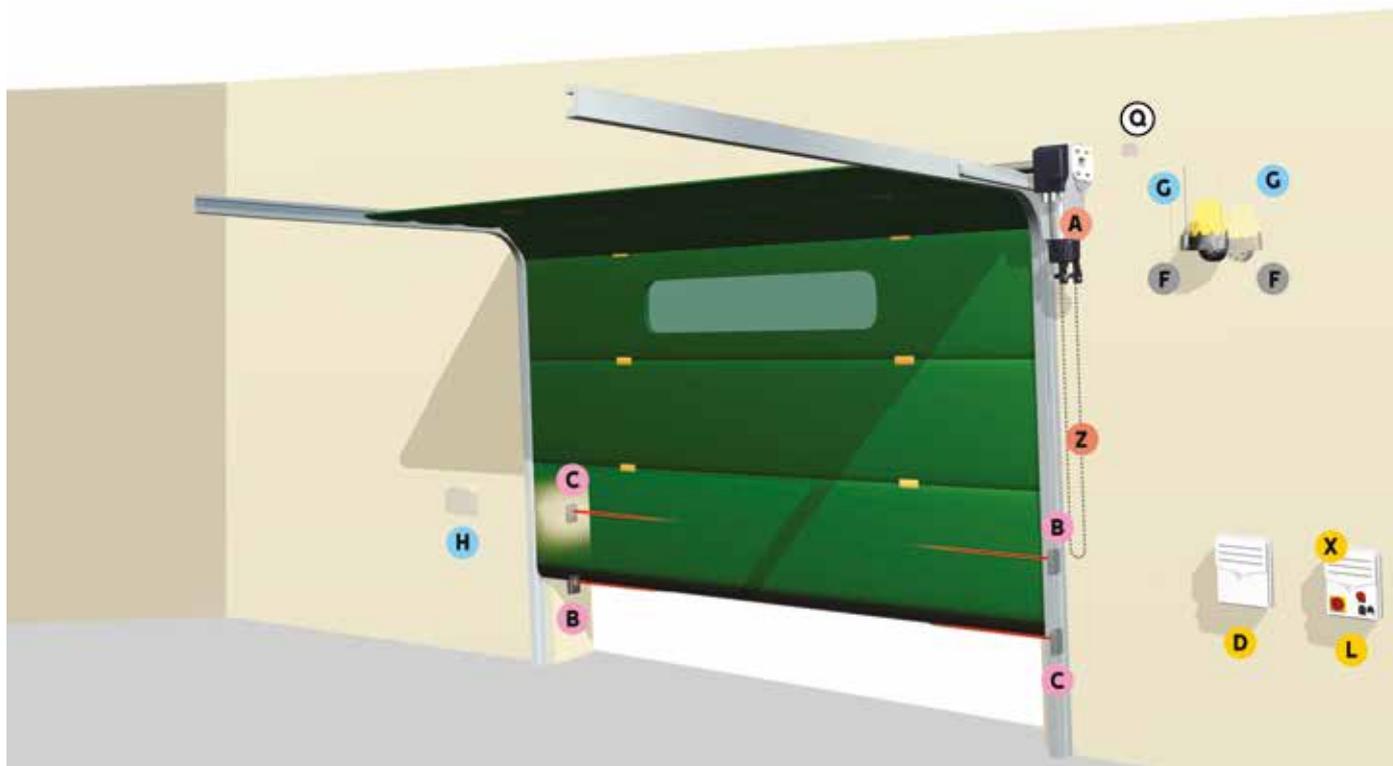
- A** Gearmotors
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- L** Control panel
- Q** Junction box
- X** Radio frequency card
- Z** Release device

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply 230 - 400 V AC three phase	4G x 1.5 mm ²	4G x 1.5 mm ²	4G x 2.5 mm ²
Power supply to motor 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 230 - 400 V AC three phase	4G x 1.5 mm ²	4G x 1.5 mm ²	4G x 2.5 mm ²
Power supply to motor 24 or 36 V DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Limit switch micro-switches	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Flashing light 230 V AC	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.

SECTIONAL WITH DIRECT DRIVE



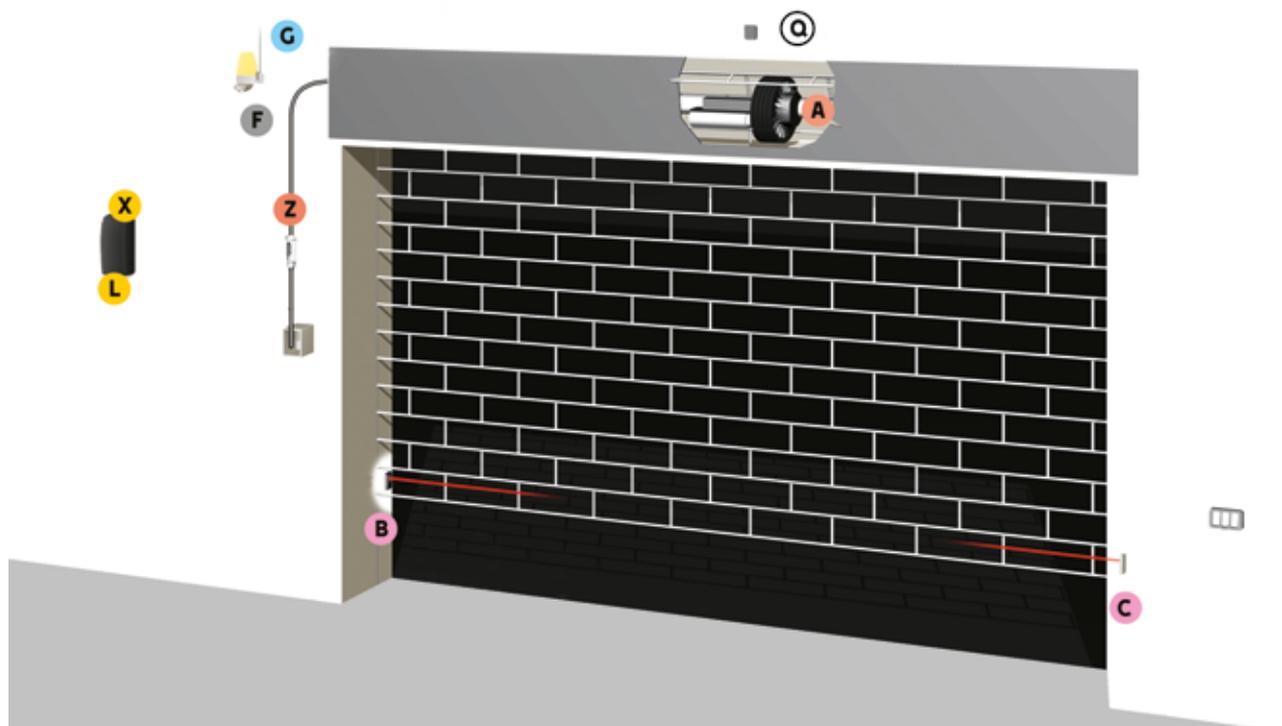
COMPONENTS

- A** Gearmotor
- B** TX Photocells
- C** RX Photocells
- D** Control card for operating during power outages
- F** Flashing light
- G** Antenna
- H** Control switch
(Key – Code – Card or transponder fob)
- L** Control panel
- Q** Junction box
- X** Radio frequency card
- Z** Release device

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply 230 - 400 V AC three phase	4G x 1.5 mm ²	4G x 1.5 mm ²	4G x 2.5 mm ²
Power supply to motor 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 230 - 400 V AC three phase	4G x 1.5 mm ²	4G x 1.5 mm ²	4G x 2.5 mm ²
Power supply to motor 24 or 36 V DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Limit switch micro-switches	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Flashing light 230 V AC	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.



COMPONENTS

- A** Gearmotor
- B** TX Photocells
- C** RX Photocells
- F** Flashing light
- G** Antenna
- L** Control panel
- Q** Junction box
- X** Radio frequency card
- Z** Release device

CABLES FOR STANDARD INSTALLATIONS

LENGTH OF CABLE (m)	< 10	from 10 to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 230 V AC	3G x 1.5 mm ²	3G x 1.5 mm ²	3G x 2.5 mm ²
Power supply to motor 24 or 36 V DC	2G x 1.5 mm ²	2G x 1.5 mm ²	2G x 2.5 mm ²
Limit switch micro-switches	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Flashing light 24 V AC - DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Flashing light 230 V AC	2 x 1.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²	2 x 0.5 mm ²
RX Photocells	4 x 0.5 mm ²	4 x 0.5 mm ²	4 x 0.5 mm ²
Elettoserratura 12 V DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1.5 mm ²
Elettoserratura 24 V DC	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
Control devices	*no. x 0.5 mm ²	*no. x 0.5 mm ²	*no. x 0.5 mm ²
Antenna		RG58 max 10 m	

*no. = see product mounting instructions - Attention: the cable section is merely indicative as it depends on the motor power and cable length.

F4000

Doors up to 2 m

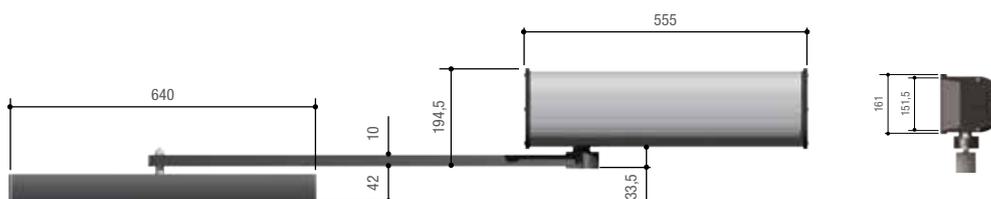


Ideal solution for fitting on swing-leaf and folding doors

- 24 V DC and 230 V AC EN versions tested thanks to the electronic management with encoder.
- Quick and simple installation.
- It can be installed either on the right or left thanks the symmetrical inputs on the gear shaft.
- Protection rating against weathering agents (IP54).
- In the 24 V DC versions it is possible to adjust the maneuvering speed, opening and closing slow-down speeds, and electronic detection of the obstacle.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Operational limits

MODEL	F40230E · F4024EP	F4024E
SWING LEAF DOORS		
Max. width of leaf (m)	2	1,5
Max. weight of leaf (kg)	300	200
SINGLE-LEAF FOLDING DOORS		
Max. width of leaf (m)	1,2	1,2
Max. weight of leaf (kg)	200	150

Technical characteristics

MODELS	F40230E	F4024E	F4024EP
Protection rating (IP)	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC
Power supply to motor (V)	230 AC 50/60 Hz	24 DC	24 DC
Absorption (A)	1,2	5 max	10 max
Power (W)	235	130	180
Crown turns (rpm)	1,3	1,3	24
Duty/cycle (%)	30	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Thrust (N)	340	360	470
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Reduction ratio (i)	1/150	1/150	1/150
Motor's heat protection (°C)	150	-	-

● 230 V AC ● 24 V DC

Code	Description
230 V AC gearmotors tested in compliance with regulatory standards EN 12453 - EN 12445	
001 F40230E	Irreversible gearmotor with encoder.
	
Control panels for 230 V AC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
002 ZM3E	Multifunction control panel for swing gates with two leaves, graphic alerts display, self-diagnosing safety devices and on-board radio decoding.
	
002 ZM3EC	Multifunction control panel for two-leaved doors, complete with safety lock and buttons, with graphic programming display and signalling, plus self-diagnosing safety devices.
	
24 V DC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
001 F4024E	Irreversible gearmotor with encoder.
	
001 F4024EP	Irreversible gearmotor with encoder – boosted version.
	
Control panels for 24 V gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445	
002 ZLJ14	Multifunction control panel for one-leaf swing gates, with graphic programming and alerting display, and self-diagnosing safety devices.
	
002 ZLJ24	Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, and self-diagnosing safety devices.
	
Accessories for: 002ZLJ14	
002 LB90	Circuit board for emergency operation and battery charging.
	
Accessories for: 002ZLJ24	
002 LB180	Circuit board for emergency operation and battery charging.
	
Accessories	
001 F4004	Sliding drive-arm with track.
001 CMS	Release handle with customized key and resetting pull-cord L = 7 m.
001 C002	Hanging release system.



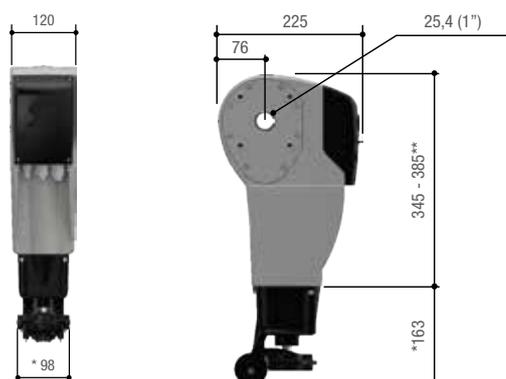
NOTES:
002LB90 - 002LB180 - Two 12 V - 7 Ah batteries (not supplied), on the 002ZLJ14 and the 002ZLJ24 fit a suitable external battery rack.



Ideal solution for sectional, sliding or folding door applications

- C-BXK and C-BXEK offer greater torque, for moving very heavy doors with 230 V AC voltage.
- Adjustable travel and slow-down speed in the 24 V DC version.
- It can open manually by using the handy winch device.
- Possibility of horizontal and vertical installation for greater versatility.
- 230 - 400 V AC three-phase version, equipped with encoder, to guarantee greater thrust and maximum safety.

Dimensions (mm)



* Accessory
** 001C-BXK • 001C-BXEK

Operational limits

MODELS	C-BX	C-BXK	C-BXE	C-BXEK	C-BXE24	C-BXT	C-BXET
DIRECTLY-DRIVEN SECTIONAL DOORS							
Max. height of leaf (m)	5,5	5,5	5,5	5,5	5,5	5,5	5,5
CHAIN-DRIVEN SECTIONAL DOORS							
Max. height of leaf (m)	8,5	8,5	8,5	8,5	8,5	8,5	8,5
SLIDING AND FOLDING SLIDING DOORS							
Max. height of leaf (m)	11	11	5,5	5,5	5,5	11	5,5

Technical characteristics

MODELS	C-BX	C-BXK	C-BXE	C-BXEK	C-BXE24	C-BXT	C-BXET
Protection rating (IP)	54	54	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230-400 V AC THREE PHASE	230-400 V AC THREE PHASE				
Power supply to motor (V)	230 AC 50/60 Hz	24 DC	230-400 V AC TRIPH. 50/60Hz	230-400 V AC TRIPH. 50/60Hz			
Absorption (A)	2,2	3,6	2,2	3,6	9 Max.	2,5	2,5
Power (W)	450	750	450	750	240	750	780
Crown turns (rpm)	21,5	21,5	21,5	21,5	26,5	21,5	21,5
Duty/cycle (%)	30	30	30	30	HEAVY-DUTY SERVICE	50	50
Thrust (N)	60	120	60	120	25	80	80
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150	150	-	150	150

● 230 V AC ● 24 V DC ● 230 - 400 V AC THREE PHASE

Code	Description
230 V AC Gearmotors	
001 C-BX	Gearmotor with mechanical limit-switches.
001 C-BXK	Gearmotor with mechanical limit-switches.
001 C-BXE 	Gearmotor with encoder.
001 C-BXEK 	Gearmotor with encoder.
Control panels for gearmotors: 001C-BX – 001C-BXK	
002 ZC3	Control panel with maneuvering thrust functions and self-diagnosing safety-devices.
002 ZC3C	Control panel with safety stop and buttons plus self-diagnosing safety-devices
002 ZM3EC 	Multifunction control panel for two-leaved doors, complete with safety lock and buttons, with graphic programming display and signalling, plus self-diagnosing safety devices.
Control panels for gearmotors: 001C-BXE – 001C-BXEK	
002 ZCX10	Multifunction control panel with alerts-and-programming graphics display plus self-diagnosing safety-devices.
002 ZCX10C	Multifunction control panel with safety stop and buttons, with alerts-and-programming graphics display plus self-diagnosing safety-devices.
24 V DC gearmotors	
001 C-BXE24 	Gearmotor with encoder.
Control panels for gearmotor: 001C-BXE24	
002 ZL80 	Multifunction control panel with alerts-and-programming graphics display plus self-diagnosing safety-devices.
002 ZL80C 	Multifunction control panel with safety stop and buttons, with alerts-and-programming graphics display plus self-diagnosing safety-devices.
Accessories for: 002ZL80 and 002ZL80C	
002 LBD2 	Circuit board for emergency operation and battery charging.



NOTES:
002LBD2 - No. 2 12 V - 1.2 Ah batteries not supplied, 002ZL80 and 002ZL80C requires proper external housing.

THE COMPLETE RANGE

Code	Description
230 - 400 V AC three-phase gearmotors	
001 C-BXT 	Gearmotor with mechanical limit-switches.
001 C-BXET  	Gearmotor with encoder.
Control panels for gearmotor: 001C-BXT	
002 ZT6 	Control panel with self-diagnosing safety-devices.
002 ZT6C 	Control panel with safety stop and buttons, plus self-diagnosing safety-devices.
Control panels for gearmotor: 001C-BXET	
002 ZT5 	Multifunction control panel with alerts-and-programming graphics display plus self-diagnosing safety-devices.
002 ZT5C 	Multifunction control panel with safety stop and buttons, with alerts-and-programming graphics display plus self-diagnosing safety-devices.



Code	Description
Accessories for: SLIDING AND SWING-LEAF DOORS	
009 CCT	Simple 1/2" chain.
009 CGIU	Joint for 1/2" chain.
001 C003	Reset system for sliding doors with Z = 26 pinion shaft for gearmotor hollow shaft, chain-tightening reset, gearmotor-anchoring braces and lead-fastening braces.
001 C004	Reset system for folding doors with Z = 26 pinion shaft for gearmotor hollow shaft, chain-tightening reset, gearmotor-anchoring braces and lead-fastening braces.
Accessories for: SECTIONAL DOORS	
001 C011	Chain transmission system with 1:1 ratio, featuring a pinion with Z = 26 for gearmotor hollow shaft, Z = 26 pinion with chain and coupler for 1/2" chain and bracers for anchoring to the gearmotor.
001 C005	Chain-drive system (upper door height at 5.5.m) with Z = 26 pinion shaft for gearmotor hollow shaft, Z = 40 pinion with chain and joint for 1/2" chain and gearmotor-anchoring braces.
001 C006	Package of two drilled braces with Ø 25.4 mm (1") spring shaft (this accessory is specific for fitting onto doors with direct transmission gearmotor).
001 C007	Accessory with Ø 25 mm spring shaft.
001 C008	Accessory with Ø 40 mm spring shaft.
001 C009	Motor supporting brace with Ø 25.4 mm (1") spring shaft (specific accessory for fitting onto doors with direct-drive gearmotors).
801XC-0150	Winch for manual drive with DIN 766 Ø 3 mm chain (chain L = 10 m).
Accessories	
001 CMS	Release handle with customized key and resetting pull-cord L = 7 m.
001 C002	Hanging release system.



H4

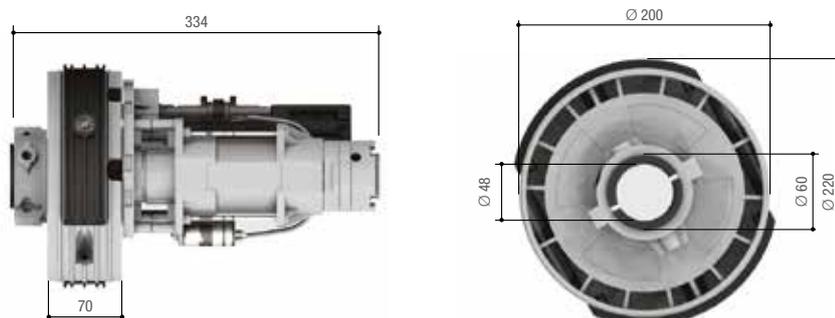
Hoisting strength up to 180 kg

Ideal for winding shutters in single homes and apartment blocks

- Operator for most private and business facilities.
- Adaptable to either 48 mm or 60 mm shutter shafts and 200 mm or 220 mm springs.
- Quick and easy travel adjusting.
- Series adaptors for all models.
- Reduction ratio: 1: 150.



Dimensions (mm)



Operational limits

MODELS	001H40230120	001H41230120	001H40230180	001H41230180
Max. hoisting strength (kg)	120	120	180	180

Technical characteristics

CODE	001H40230120	001H41230120	001H40230180	001H41230180
Hoisted weight (Kg)*	120	120	180	180
Protection rating (IP)	40	40	40	40
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC
Absorption (A)	1,8	1,8	2,6	2,6
Power (W)	410	410	600	600
Reduction ratio (i)	1/150	1/150	1/150	1/150
Duty/cycle (%)	30	30	30	30
Crown turns (rpm)	10	10	10	10
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	160	160	160	160

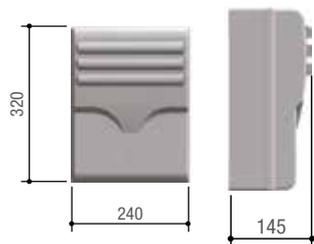
● 230 V AC

Code	Description
230 V AC Gearmotors	
001 H40230120	Irreversible gearmotor with releasing pull-cord.
001 H41230120	Reversible gearmotor.
001 H40230180	Irreversible gearmotor with releasing pull-cord.
001 H41230180	Reversible gearmotor.
Control panels for 230 V AC gearmotors	
809QA-0010	Control panel with on-board radio decoding.
Accessories for: 001H41230120 - 001H41230180	
001 H001	Electric lock for the H41230120 and H41230180 reversible gearmotors, with pull-cord measuring L = 5 m and releasing knob.
Accessories for: 001H40230120 - 001H40230180	
001 H3001	Safety casing with release knob and control button for pull-cord releasing.



CONTROL PANEL DIMENSIONS

Dimensions (mm)



002ZLJ14
002ZC3
002ZC3C
002ZM3E
002ZM3EC
002ZLJ24
002ZCX10
002ZCX10C

002ZT5
002ZT5C
001ZT6
002ZT6C
002ZL80
002ZL80C



The table shows all of the characteristics of the industrial entrances control-panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.

Models / Series	24V		24V		24V		24V		T		T		H4	
	F40230E	F40230E C-BX C-BXK	F4024E		C-BX C-BXK	C-BXE C-BXKE	C-BXE24		C-BXET		C-BXT			
Control board / Control panel	ZM3E	ZM3EC	ZLJ14	ZLJ24	ZC3	ZC3C	ZCX10	ZL80	ZL80C	ZT5	ZT5C	ZT6	ZT6C	8090A-0010
Safety														
SELF-DIAGNOSING safety devices	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PRE-FLASHING when opening and closing	●	●	●	●	●	●	●	●	●	●	●	●	●	●
REOPENING during closing	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CLOSING AGAIN during opening	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Obstruction WAIT	●	●	●	●	●	●	●	●	●	●	●	●	●	●
TOTAL STOP	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PARTIAL STOP	●	●	●	●	●	●	●	●	●	●	●	●	●	●
OBSTRUCTION DETECTION in front of photocells	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ENCODER	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AMPEROMETRIC DETECTION	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Command														
PEDESTRIAN OPENING 1 leaf	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PARTIAL OPENING 1 leaf	●	●	●	●	●	●	●	●	●	●	●	●	●	●
OPEN ONLY from transmitter and/or from button	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ONLY OPEN or ONLY CLOSE button connection	●	●	●	●	●	●	●	●	●	●	●	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or button	●	●	●	●	●	●	●	●	●	●	●	●	●	●
OPEN-CLOSE-INVERT from the transmitter and/or button	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MAINTAINED ACTION	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DELAYED OPENING 1st leaf	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DELAYED OPENING 2nd leaf	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Characteristics														
FLASHING LIGHT connection	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CYCLE LIGHT connection	●	●	●	●	●	●	●	●	●	●	●	●	●	●
COURTESY LIGHT connection	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Antenna	●	●	●	●	●	●	●	●	●	●	●	●	●	●
OPEN ALERT LIGHT connection	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CLOSED ALERT LIGHT connection	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Contact output for 2nd RADIO CHANNEL	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●	●	●	●	●	●	●	●	●
OPERATING TIME adjusting	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Connection for the ELECTRIC LOCK and/or RAMMING	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●	●	●	●	●	●	●	●	●	●	●	●
OPENING and/or CLOSING slow downs	●	●	●	●	●	●	●	●	●	●	●	●	●	●
EMERGENCY BATTERY operation (optional)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MASTER-SLAVE	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adjustable TRAVEL and SLOW-DOWN speeds*	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DISPLAY	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Electronic brake	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SELF-LEARNING opening and closing limit-switches	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CAME Connect	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CRP control	●	●	●	●	●	●	●	●	●	●	●	●	●	●

● 230 V AC ● 24 V DC ● 230 – 400 V AC THREE PHASE

NOTES

* 002 ZM3E - 002ZM3EC only for slow-down speed

H4 - 8K09QA-001 KIT



CONTROL KIT FOR WINDING SHUTTERS

- Complete 230 V AC control system with 433.92 MHz Rolling Code radio device for winding shutters

Code	Description	Quantity
809QA-0010	Control panel with on-board radio decoding.	1
806TS-0111	TOPD2RBS - Two-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	1
001 AF43S	Plug-in radio-frequency control card.	1

THE SOLUTION FOR AWNINGS AND SHUTTERS

AUTOMATIONS FOR ROLLING SHUTTERS

A complete series of operators for any
installation setting

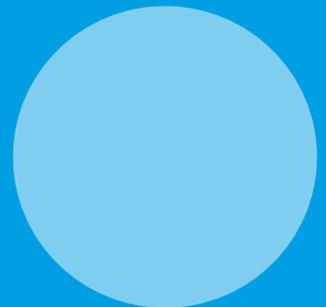
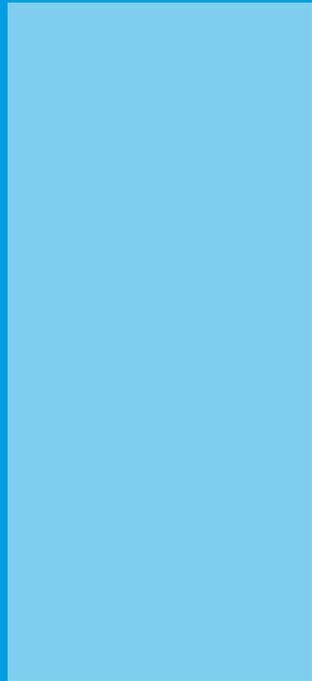
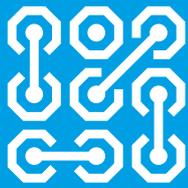
ACCESSORIES FOR AWNINGS

Components and fabrics for technical
indoor curtains





CONTROL AND SAFETY ACCESSORIES



232	SELECTION GUIDE
242	TTS
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Selection guide

CONTROL AND SAFETY ACCESSORIES

The control and safety accessories complete and optimize the system and ensure its efficiency and peace-of-mind of the user, in full compliance with European Standards. The following pages are laid out to simplify your choosing of accessories that best suit your system.

SAFETY ACCESSORIES

Product	Characteristic	Series	Type	Code	
Photocells	Recess mounted	DELTA S	Synchronized infrared	001DELTA-SI	
	Surface mounted	DELTA S	Synchronized infrared	001DELTA-SE	
	Recess mounted	DELTA	Infrared	001DELTA-I	
	Surface mounted	DELTA	Infrared	001DELTA-E	
	Surface mounted	DIR	Synchronized infrared	001DIR10	
	Surface mounted	DIR	Synchronized infrared	001DIR20	
	Surface mounted	DIR	Synchronized infrared	001DIR30	
	Surface mounted	DXR	Synchronized infrared	806TF-0030	
	Surface mounted	DXR	Synchronized infrared	806TF-0040	
	Surface mounted	DXR	Synchronized infrared	806TF-0060	
Wireless safety systems	Surface mounted	RIO System 2.0	Radio control module	806SS-0050	
	Surface mounted	RIO System 2.0	Wireless flashing light	806SS-0030	
	Surface mounted	RIO System 2.0	Wireless infrared beam photocells	806SS-0010	
	Surface mounted	RIO System 2.0	Wireless module for sensitive safety-edges.	806SS-0020	
	Plug-in	RIO System 2.0	Radio control module	806SS-0040	

SAFETY ACCESSORIES

Product	Characteristic	Series	Type	Code
Sensitive safety-edges	Mechanical	DFWN	Ready to use	001DFWN1500
		DFWN	Ready to use	001DFWN1700
		DFWN	Ready to use	001DFWN2000
		DFWN	Ready to use	001DFWN2500
		DFWN	For assembling	009VR117H 009RV118I 001TMFW
		DFWN	For assembling	009VR117H 009RV118A 001TMF6W
		DFWN	For assembling	001DFI
<hr/>				
Flashing lights	120 - 230 V AC	KIARO	LED	001KLED
	24 V AC - DC	KIARO	LED	001KLED24



CONTROL ACCESSORIES

Product	Characteristic	Series	Type	Code	
Selectors	Surface mounted	SEL Digital	Bluetooth digital Standalone	806SL-0210	
	Surface mounted	SEL Digital	Bluetooth digital Standalone	806SL-0240	
	Surface mounted	SEL Digital	Bluetooth digital Standalone	806SL-0250	
	Surface mounted	SEL Digital	Plug-in digital bluetooth	806SA-0140	
	Surface mounted	SEL Digital	Transponder digital	806SL-0110	
	Recess mounted	SEL Digital	Transponder digital	806SL-0120	
	Surface mounted	SEL Digital	Keypad digital	806SL-0150	
	Surface mounted	SEL Digital	Keypad digital	806SL-0170	
	Surface mounted	SEL Digital	Keypad digital	806SL-0180	
	Recess mounted	SEL Digital	Keypad digital	806SL-0160	
	Recess mounted	SEL Digital	Microwave sensor	806SL-0260	
	Indoor	SEL Digital	Magnetic sensor	001SMA	
	Indoor	SEL Digital	Magnetic sensor	001SMA2	
	Indoor	SEL Digital	Magnetic sensor	001SMA220	
	Surface mounted	SEL Key	DIN-key operated	806SL-0050	
	Surface mounted	SEL Key	DIN-key operated For 230 V	806SL-0090	
	Recess mounted	SEL Key	DIN-key operated	806SL-0060	
	Recess mounted	SEL Key	DIN-key operated For 230 V	806SL-0100	
	Surface mounted	SEL Key	With key	806SL-0010	
Recess mounted	SEL Key	With key	806SL-0020		
Surface mounted	SEL Key	DIN-key operated	806SL-0051		
Recess mounted	SEL Key	DIN-key operated	806SL-0061		
Transmitters	433.92 MHz - 868.35 MHz Fixed Code	TOP Fixed code	2 buttons	806TS-0090	
			2 buttons	806TS-0091	
			2 buttons	806TS-0092	
			2 buttons	806TS-0093	
			2 buttons	806TS-0094	
			2 buttons	806TS-0095	

CONTROL ACCESSORIES

Product	Characteristic	Series	Type	Code	
			4 buttons	806TS-0100	
			4 buttons	806TS-0101	
			4 buttons	806TS-0102	
			4 buttons	806TS-0103	
			4 buttons	806TS-0104	
			4 buttons	806TS-0105	
	433.92 MHz - 868.35 MHz Rolling Code	TOP Rolling code	2 buttons	806TS-0110	
			2 buttons	806TS-0111	
			2 buttons	806TS-0112	
			2 buttons	806TS-0113	
			2 buttons	806TS-0114	
			2 buttons	806TS-0115	
			4 buttons	806TS-0120	
			4 buttons	806TS-0121	
			4 buttons	806TS-0122	
			4 buttons	806TS-0123	
			4 buttons	806TS-0124	
			4 buttons	806TS-0125	
Transmitters	433.92 MHz - 868.35 MHz Rolling code	ATOMO D	2 buttons	001AT02D	
		ATOMO D	4 buttons	001AT04D	
	433,92 MHz Fixed Code	TOP	2 buttons	001TOP-432EE	
		TOP	4 buttons	001TOP-434EE	
	868,35 MHz Fixed Code	TOP	2 buttons	001TOP-862EE	
		TOP	4 buttons	001TOP-864EE	
	433.92 MHz Key code	TWIN	2 buttons	001TW2EE	
		TWIN	4 buttons	001TW4EE	



FUNCTIONS TABLE

Characteristics

SERIES	MODEL	FREQUENCY	FREQUENCY	MODE	MODE	FUNCTION	MODE
		433.92 MHz	868.35 MHz	TOP	TAM	KEY CODE	ROLLING CODE
TOP Rolling code	806TS-0110	●	●				●
	806TS-0111	●	●				●
	806TS-0112	●	●				●
	806TS-0113	●	●				●
	806TS-0114	●	●				●
	806TS-0115	●	●				●
	806TS-0120	●	●				●
	806TS-0121	●	●				●
	806TS-0122	●	●				●
	806TS-0123	●	●				●
	806TS-0124	●	●				●
806TS-0125	●	●				●	
TOP Fixed code	806TS-0090	●	●	●	●		
	806TS-0091	●	●	●	●		
	806TS-0092	●	●	●	●		
	806TS-0093	●	●	●	●		
	806TS-0094	●	●	●	●		
	806TS-0095	●	●	●	●		
	806TS-0100	●	●	●	●		
	806TS-0101	●	●	●	●		
	806TS-0102	●	●	●	●		
	806TS-0103	●	●	●	●		
	806TS-0104	●	●	●	●		
806TS-0105	●	●	●	●			
ATOMO D	001AT02D	●	●				●
	001AT04D	●	●				●
TOP	001TOP-432EE	●		●	●		
	001TOP-434EE	●		●	●		
	001TOP-862EE		●	●	●		
	001TOP-864EE		●	●	●		
TWIN	001TW2EE	●		●	●	●	
	001TW4EE	●		●	●	●	
SEL Digital	806SL-0170	●		●	●		●
	806SL-0180		●	●	●		●

Transmitters-receivers pairings

SERIES	MODEL	CONTROL PANEL TYPE		RECEIVER TYPE		RECEIVER MODULES *	
		CONTROL PANEL WITH DISPLAY *	CONTROL PANEL WITHOUT DISPLAY *	TWO-CHANNEL RECEIVER		806RV-0010	806RV-0020
		Plug-in radio-frequency board		001RE432M	001RE862M	Plug-in radio-frequency board	
Top Rolling code	806TS-0110	001AF43S or 001AF868	001AF43SR or 001AF868SR	●	●	001AF43S or 001AF868	
	806TS-0111			●	●		
	806TS-0112			●	●		
	806TS-0113			●	●		
	806TS-0114			●	●		
	806TS-0115			●	●		
	806TS-0120			●	●		
	806TS-0121			●	●		
	806TS-0122			●	●		
	806TS-0123			●	●		
	806TS-0124			●	●		
806TS-0125	●	●					
TOP Fixed code	806TS-0090	001AF43S or 001AF868	001AF43S or 001AF868	●	●	001AF43S or 001AF868	
	806TS-0091			●	●		
	806TS-0092			●	●		
	806TS-0093			●	●		
	806TS-0094			●	●		
	806TS-0095			●	●		
	806TS-0100			●	●		
	806TS-0101			●	●		
	806TS-0102			●	●		
	806TS-0103			●	●		
	806TS-0104			●	●		
806TS-0105	●	●					
ATOMO D	001AT02D	001AF43S or 001AF868	001AF43SR or 001AF868SR	●	●	001AF43S or 001AF868	
	001AT04D			●	●		
TOP	001TOP-432EE	001AF43S		●		001AF43S	
	001TOP-434EE			●			
	001TOP-862EE	001AF868			●	001AF868	
	001TOP-864EE				●		
TWIN	001TW2EE	001AF43S or 001AF43TW (Key Code)		●		001AF43S	
	001TW4EE			●			
SEL Digital	806SL-0170	001AF43S		●		001AF43S	
	806SL-0180			●			
	806SL-0150	001R800** or 806SL-0230			●	001AF868	
	806SL-0160						

NOTES

* Decoder control card to buy depending on the type of control panel

** If required in the control panel, the item is available in the access-control catalog.

THE SAFETY

GENERAL CHARACTERISTICS



DIR PHOTOCELL: SYNCHRONIZED INFRARED BEAM

Thanks to the synchronized beam, multiple pairs of photocells can be applied to the same system, even at double height and/or close to each other - with no interference issues.



DXR PHOTOCELLS: VERSATILE AND EFFECTIVE

The latest generation of DXR synchronous, infrared, adjustable photocells are specially designed when there is little or no fitting space. With a range of 20 meters, the DXR photocells can swivel up to 180° on their vertical axis.



KIARO FLASHING LIGHT: LOW CONSUMPTION MOVEMENT DETECTOR

Light, practical and quick to install, KIARO is equipped with a low consumption LED lamp. Available in 120 - 230 V AC or 24 V DC versions, it is equipped with accessories for wall mounting to solve any type of installation.



DFWN SENSITIVE SAFETY-EDGE: EXCLUSIVE CAME PATENT

The solution for a high level of security for an automation system. Equipped with a mechanical resistive contact, they are specific for use with RIO System 2.0 and certified according to EN13849-1 standards.



The photocells with aluminium cover

The DXR series of swivel photocells can also be used to control a system thanks to the adjustable relay output. Special aluminium covers are also available, specific for applications where maximum strength and reliability are required.

GENERAL CHARACTERISTICS



RADIO SYSTEM CERTIFICATION

All CAME radio-frequency systems are certified for using in European and non-European countries.



SELF-LEARNING OF THE CODE FROM TRANSMITTER TO RECEIVER

This function lets the dedicated receiver memorize the code assigned to the transmitter.



SELF-LEARNING OF THE CODE FROM TRANSMITTER TO TRANSMITTER

This characteristic lets you create a duplicate transmitter, by copying the code onto another identical device.



MULTI-USER CODES

This characteristic on the transmitter is for emitting different codes for each key on the transmitter itself.

The aim is to obtain control of independent systems that are located within the same operating range.

(E.g.: common gate used by all tenants and private overhead garage door for each tenant).



MADE IN ITALY, made by CAME!

The 100% Made-in-Italy brand of origin certifies that all CAME products come from a quality manufacturing process, designed to provide reliable and effective technological products. The products have been tested for 10 to 15 years of wear and tear under intense activity, with extreme temperature resistance tests and specific checks on operating in electromagnetic interference conditions.

RIO SYSTEM 2.0

THE WIRELESS SYSTEM FOR OPERATOR SAFETY



RIO SYSTEM 2.0, COMPLETELY SAFE, NO WIRES

RIO System 2.0 is the innovative radio-based safety system that needs no wired connection between the control module and the safety accessories. This feature drastically reduces installation times. Control module, photocells, sensitive safety-edge and flashing light all make up a complete system based on totally wireless transceiver-technology. This is ideal for bringing up to code any existing systems or for rapidly installing entirely new systems. The control module is to be connected to the operator's control panel, whereas the other modules interact via radio. RIO System 2.0 is incompatible with the previous version.

SYSTEM COMPONENTS AND MAIN CHARACTERISTICS

806SS-0050



- Radio control module, with 30-meter range, which controls up to 10 wireless accessories of the Rio series, which have been programmed into the installation.
- LED for monitoring the system and devices' operation.
- Buzzer for flat-battery or wireless accessory malfunction alerts.
- Automatic frequency switching when radio-frequency disturbances occur.
- Special function for viewing radio-signal quality and any disturbances.

806SS-0030



- Wireless, battery-operated flashing light.
- Two high-luminosity LEDs to provide 360° alerts when the operator is moving.
- LED for monitoring the system and devices' operation.

806SS-0020



- Certified product, validated for category 2, which means it is highly safe and reliable.
- Wireless module for controlling one or two resistive sensitive safety-edges of the 8k2 DFVN series, that can transmit and receive from and to Rio control.
- Battery powered.
- LED for monitoring the system and devices' operation.
- Buzzer for flat-battery alerts or poor radio communication.

806SS-0010



- Pair of battery-powered wireless photocells that can transmit and receive to and from the 806SS-0040 and 806SS-0050 modules.
- Infrared signal (range 10 m).
- LED for monitoring the system and devices' operation.
- Buzzer for flat-battery alerts or poor radio communication.

806SS-0040



- Snap-in radio control module for controlling wireless accessories to use in corresponding automated operators.

EXAMPLE FITTED ONTO SLIDING GATE

- A** = Trasmitter 806SS-0010.
- B** = Receiver 806SS-0010.
- C** = Receiver 806SS-0020.
- D** = Sensitive safety edge of the DFWN series.
- E** = Flashing light 806SS-0030.
- F** = Control modules 806SS-0030 and 806SS-0040

INSTALLATION ACCESSORIES:

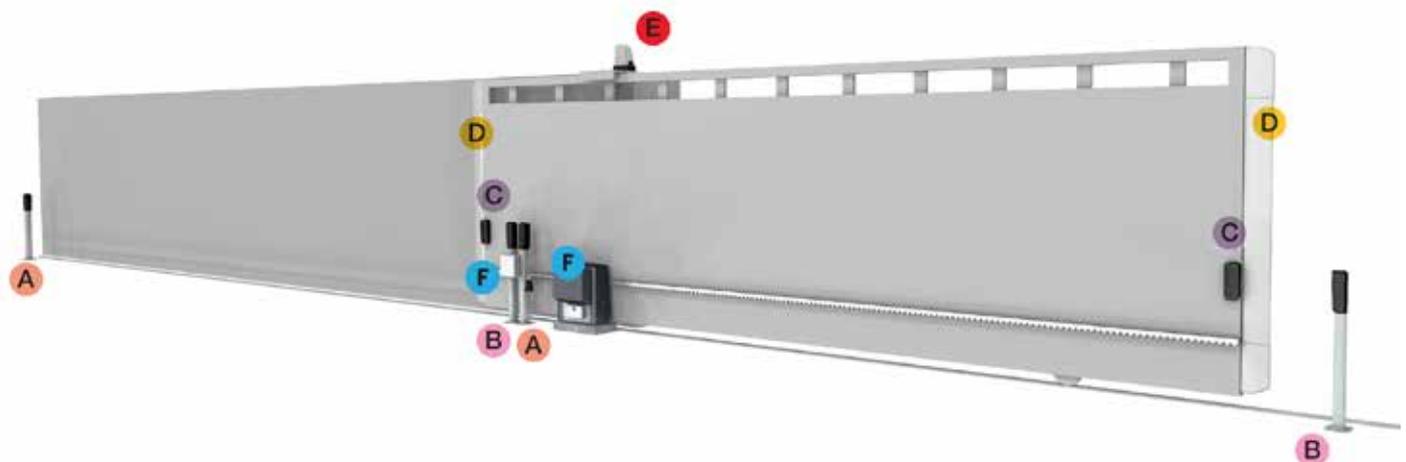
FOR RIO SYSTEM 2.0-SERIES PHOTOCELLS

- 001DB-L Post made of natural-finish anodized aluminum.
- 001DB-LN Post made of black anodized aluminum. H = 500 mm.
- 001DB-CG RAL9006 silver PVC post. H = 500 mm.



FOR RIO System 2.0 FLASHING LIGHT

- 001KIAROS Base for wall-mounting.





Remote control featured by an elegant and refined design

- Available in rolling code and fixed code versions.
- Self-learning from transmitter to transmitter.
- Self-learning from TOP, TAM and TWIN series radio controls.
- Removable battery compartment for easy replacement.
- Multi-user function for fixed code version.
- More secure thanks to the dynamic code for the rolling code version.



Dimensions (mm)



Dimensions table (mm)

Models	B (mm)	H (mm)	P (mm)
806TS-0230	38	73	11
806TS-0240	38	73	11

Operational limits

MODELS	806TS-0230	806TS-0240
Max. range of radio (m)	50 ÷ 150	50 ÷ 150

Technical characteristics

MODELS	806TS-0230	806TS-0240
Combinations	4.294.967.896	16.777.216
Radio signal frequency (Mhz)	433,92 - 868,35	-
Batteries	1 CR2032 Lithium	1 CR2032 Lithium
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Material	POLYCARBONATE - ZAMAK	POLYCARBONATE - ZAMAK

Code	Description
433.92 MHz transmitters and 868.35 MHz Rolling Code	
806TS-0230 	TTS44RKS - Double frequency four-channel rolling code transmitter. 4,294,967,896 combinations.
Fixed Code 433.92 MHz transmitters	
806TS-0240 	TTS44FKS - Four-channel transmitter with new fixed code coding and self-learning function for TOP, TAM and TWIN series radio controls.
Snap-in 433.92 MHz receivers	
001 AF43S	Plug-in radio-frequency control card.
001 AF43SR	Plug-in radio-frequency circuit board for max. 25 transmitters.
001 AF43TW	Plug-in radio-frequency control card.
868.35 MHz plug-in receivers for: 806TS-0230	
001 AF86S	Plug-in radio-frequency control card.
001 AF86SR	Plug-in radio-frequency circuit board for max. 25 transmitters.
24 V AC - DC external modules	
806RV-0010 	RBE4024 - Four-channel, external, 24 V AC - DC, IP54 multi-user receiver module for saving up to 3,000 different user codes, for the TOP - TAM - ATOMO D - TWIN series.
120 - 230 V AC external modules	
806RV-0020 	RBE4230 - Four-channel, external, multi-user IP54, 120 - 230 V AC for saving up to 3,000 different user codes, for the following series: TOP, TAM, ATOMO D, TWIN.
External, 12 - 24 V AC - DC, 433.92 MHz radio receivers	
001 RE432M 	Two-channel, external IP54 12 - 24 V AC - DC receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D and TWIN coding.
External, 12 - 24 V AC - DC, 868.35 MHz radio receivers for: 806TS-0230	
001 RE862M 	External two-channel 12 - 24 V AC - DC IP54 receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D coding.
868.35 MHz antenna for: 001KLED - 001KLED24	
001 TOP-A862N	Tuned antenna.
433.92 MHz antenna for: 001KLED - 001KLED24	
001 TOP-A433N	Tuned antenna.
Accessories	
001 TOP-RG58	Antenna cable.
Transmitter accessories	
806XG-0020 	Pack of no. 2 3V DC CR2032 lithium batteries.



TOP - Rolling Code

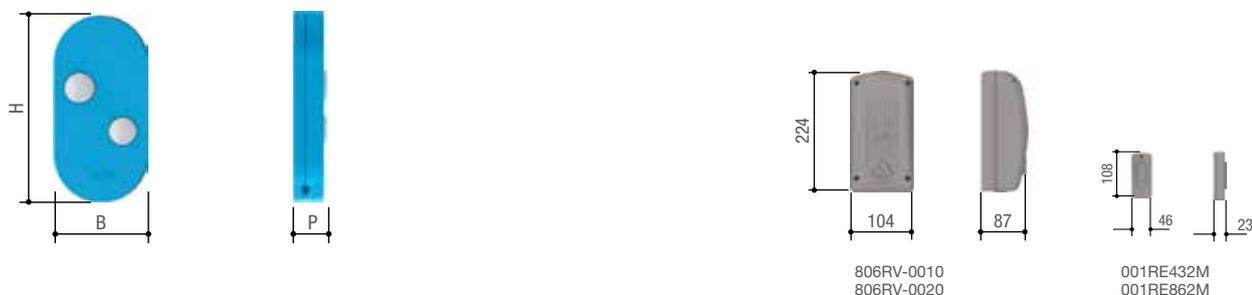
Rolling code 433.92 and 868.35 Mhz radio control



Double-frequency solutions with unclonable code

- It manages several operators on different frequencies.
- One device to manage two frequencies, that is, 433.92 MHz and 868.35 MHz.
- More secure thanks to the dynamic code.
- It uses only one CR2032 battery.
- Flat battery alert
- No setting required when selecting the frequency
- Available in two-channel and four-channel versions.
- Available in six different colours.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



Dimensions table (mm)

Models	B (mm)	H (mm)	P (mm)
TOP - Rolling Code	34	70	13

Operational limits

MODELS	806TS-0120	806TS-0121	806TS-0122	806TS-0123	806TS-0124	806TS-0125
Max. range of radio (m)	50 ÷ 150	50 ÷ 150	50 ÷ 150	50 ÷ 150	50 ÷ 150	50 ÷ 150

Technical characteristics

MODELS	806TS-0120	806TS-0121	806TS-0122	806TS-0123	806TS-0124	806TS-0125
Combinations	4.294.967.896	4.294.967.896	4.294.967.896	4.294.967.896	4.294.967.896	4.294.967.896
Radio signal frequency (Mhz)	433,92 - 868,35	433,92 - 868,35	433,92 - 868,35	433,92 - 868,35	433,92 - 868,35	433,92 - 868,35
Batteries	1 CR2032 Lithium					
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE

Code	Description
433.92 MHz and 868.35 MHz Rolling Code transmitters	
806TS-0110	TOPD2RGS - Two-channel, double-frequency, rolling code transmitter, grey. 4,294,967,896 combinations.
806TS-0111	TOPD2RBS - Two-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.
806TS-0112	TOPD2RKS - Two-channel, double-frequency, rolling code transmitter, black. 4,294,967,896 combinations.
806TS-0113	TOPD2RYS - Two-channel, double-frequency, rolling code transmitter, yellow. 4,294,967,896 combinations.
806TS-0114	TOPD2RES - Two-channel, double-frequency, rolling code transmitter, green. 4,294,967,896 combinations.
806TS-0115	TOPD2RPS - Two-channel, double-frequency, rolling code transmitter, pink. 4,294,967,896 combinations.
806TS-0120	TOPD4RGS - Four-channel, double-frequency, rolling code transmitter, grey. 4,294,967,896 combinations.
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.
806TS-0122	TOPD4RKS - Four-channel, double-frequency, rolling code transmitter, black. 4,294,967,896 combinations.
806TS-0123	TOPD4RYS - Four-channel, double-frequency, rolling code transmitter, yellow. 4,294,967,896 combinations.
806TS-0124	TOPD4RES - Four-channel, double-frequency, rolling code transmitter, green. 4,294,967,896 combinations.
806TS-0125	TOPD4RPS - Four-channel, double-frequency, rolling code transmitter, pink. 4,294,967,896 combinations.
Kit of 433.92 MHz and 868.35 MHz Rolling Code transmitters	
8K06TS-001	TOPD4RXM - package of six, coloured, four-channel, double-frequency, Rolling Code transmitters. 4,294,967,896 combinations.



THE COMPLETE RANGE

Code Description

Snap-in 433.92 MHz receivers

001**AF43S** Plug-in radio-frequency control card.



001**AF43SR** Plug-in radio-frequency circuit board for max. 25 transmitters.



Snap-in 868.35 MHz receivers

001**AF868** Plug-in radio-frequency control card.



001**AF868SR** Plug-in radio-frequency circuit board for max. 25 transmitters.



External, 12 - 24 V AC - DC, 433.92 MHz radio receivers

001**RE432M** Two-channel, external IP54 12 - 24 V AC - DC receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D and TWIN coding.



External, 12 - 24 V AC - DC, 868.35 MHz radio receivers

001**RE862M** External two-channel 12 - 24 V AC - DC IP54 receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D coding.



24 V AC - DC external modules

806**RV-0010** RBE4024 - Four-channel, external, 24 V AC - DC, IP54 multi-user receiver module for saving up to 3,000 different user codes, for the TOP - TAM - ATOMO D - TWIN series.



120 - 230 V AC external modules

806**RV-0020** RBE4230 - Four-channel, external, multi-user IP54, 120 - 230 V AC for saving up to 3,000 different user codes, for the following series: TOP, TAM, ATOMO D, TWIN.



433.92 MHz antenna for: 001KLED – 001KLED24

001**TOP-A433N** Tuned antenna.



868.35 MHz antenna for: 001KLED – 001KLED24

001**TOP-A862N** Tuned antenna.



Accessories

001**TOP-RG58** Antenna cable.



Transmitter accessories

806**XG-0020** Pack of no. 2 3V DC CR2032 lithium batteries.



NOTES: for the 806RV-0010 and the 806RV-0020 use the 001AF43S or the 001AF868.



RADIO MODULES

**MULTI-USER HAS
NEVER BEEN
EASIER!**

CAME 

CAME.COM



TOP - Fixed Code

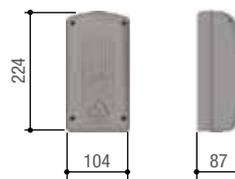
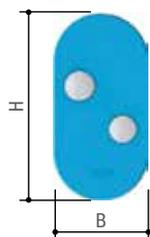
Fixed code 433.92 and 868.35 Mhz radio control



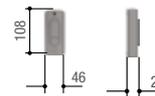
Double frequency and fixed code solution

- It manages several operators on different frequencies.
- One device to manage two frequencies, that is, 433.92 MHz and 868.35 MHz.
- It uses only one CR2032 battery.
- Flat battery alert
- No setting required when selecting the frequency
- Available in two-channel and four-channel versions.
- Available in six different colours.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)



806RV-0010
806RV-0020



001RE432M
001RE862M

Dimensions table (mm)

Models	B (mm)	H (mm)	P (mm)
TOP - Fixed Code	34	70	13

Operational limits

MODELS	806TS-0100	806TS-0101	806TS-0102	806TS-0103	806TS-0104	806TS-0105
Max. range of radio (m)	50 ÷ 150	50 ÷ 150	50 ÷ 150	50 ÷ 150	50 ÷ 150	50 ÷ 150

Technical characteristics

MODELS	806TS-0100	806TS-0101	806TS-0102	806TS-0103	806TS-0104	806TS-0105
Combinations	4.096 - 16.777.216	4.096 - 16.777.216	4.096 - 16.777.216	4.096 - 16.777.216	4.096 - 16.777.216	4.096 - 16.777.216
Radio signal frequency (Mhz)	433,92 - 868,35	433,92 - 868,35	433,92 - 868,35	433,92 - 868,35	433,92 - 868,35	433,92 - 868,35
Batteries	1 CR2032 Lithium					
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE

Code	Description
Fixed Code 433.92 MHz and 868.35 MHz Fixed Code transmitters	
806TS-0090	TOPD2FGS - Two-channel, double frequency self-learning transmitter, grey (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
806TS-0091	TOPD2FBS - Two-channel, double frequency self-learning transmitter, blue (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
806TS-0092	TOPD2FKS - Two-channel, double frequency, self-learning transmitter, black (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
806TS-0093	TOPD2FYS - Two-channel, double frequency self-learning transmitter, yellow (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
806TS-0094	TOPD2FES - Two-channel, double frequency self-learning transmitter, green (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
806TS-0095	TOPD2FPS - Two-channel, double frequency self-learning transmitter, pink (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
806TS-0100	TOPD4FGS - Four-channel, double frequency self-learning transmitter, grey (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
806TS-0101	TOPD4FBS - Four-channel, double frequency self-learning transmitter, blue (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
806TS-0102	TOPD4FKS - Four-channel, double-frequency, self-learning transmitter, black (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
806TS-0103	TOPD4FYS - Four-channel, double frequency, self-learning transmitter, yellow (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
806TS-0104	TOPD4FES - Four-channel, double frequency self-learning transmitter, green (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
806TS-0105	TOPD4FPS - Four-channel, double frequency self-learning transmitter, pink (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
433.92 MHz and 868.35 MHz Fixed Code transmitters kit	
8K06TS-002	TOPD4FXM - package of six four-channel, double-frequency, coloured transmitters with self-learning function (16,777,216 in TAM mode, 4,096 combinations in TOP mode).



THE COMPLETE RANGE

Code Description

Snap-in 433.92 MHz receivers

001**AF43S** Plug-in radio-frequency control card.



Snap-in 868.35 MHz receivers

001**AF868** Plug-in radio-frequency control card.



External, 12 - 24 V AC - DC, 433.92 MHz radio receivers

001**RE432M** Two-channel, external IP54 12 - 24 V AC - DC receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D and TWIN coding.



External, 12 - 24 V AC - DC, 868.35 MHz radio receivers

001**RE862M** External two-channel 12 - 24 V AC - DC IP54 receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D coding.



24 V AC - DC external modules

806RV-0010 RBE4024 - Four-channel, external, 24 V AC - DC, IP54 multi-user receiver module for saving up to 3,000 different user codes, for the TOP - TAM - ATOMO D - TWIN series.



120 - 230 V AC external modules

806RV-0020 RBE4230 - Four-channel, external, multi-user IP54, 120 - 230 V AC for saving up to 3,000 different user codes, for the following series: TOP, TAM, ATOMO D, TWIN.



433.92 MHz antenna for: 001KLED – 001KLED24

001**TOP-A433N** Tuned antenna.



868.35 MHz antenna for: 001KLED – 001KLED24

001**TOP-A862N** Tuned antenna.



Accessories

001**TOP-RG58** Antenna cable.



Transmitter accessories

806XG-0020 Pack of no. 2 3V DC CR2032 lithium batteries.



NOTES: for the 806RV-0010 and the 806RV-0020 use the 001AF43S or the 001AF868.

ATOMO D

Rolling code 433.92 and 868.35 Mhz radio control

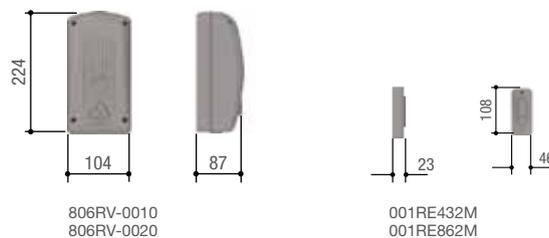
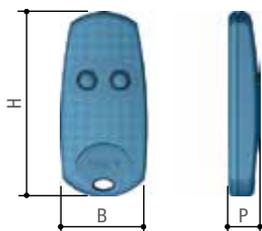


Ideal solution for multi-user, double-frequency with uncloneable code

- It manages several operators on different frequencies.
- One device to manage two frequencies, that is, 433.92 MHz and 868.35 MHz.
- More secure thanks to the dynamic code.
- 4,294,967,896 combinations.
- It uses only one CR2032 battery.
- Flat battery alert
- No setting required when selecting the frequency
- Available in two-channel and four-channel versions.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Dimensions table (mm)

Models	B (mm)	H (mm)	P (mm)
AT02D	32	68,5	11
AT04D	32	68,5	11

Operational limits

MODELS	AT02D	AT04D
Max. range of radio (m)	50 ÷ 150	50 ÷ 150

Technical characteristics

MODELS	AT02D	AT04D
Combinations	4.294.967.896	4.294.967.896
Radio signal frequency (Mhz)	433,92 - 868,35	433,92 - 868,35
Batteries	1 CR2032 LITIO	1 CR2032 LITIO
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Material	POLYCARBONATE	POLYCARBONATE

Code	Description	
433.92 MHz transmitters and 868.35 MHz Rolling Code		
001 AT02D	Two-channel, double-frequency, rolling code transmitter. 4,294,967,896 combinations.	
001 AT04D	Four-channel, double-frequency, rolling-code transmitter. 4,294,967,896 combinations.	
Snap-in 433.92 MHz receivers		
001 AF43S	Plug-in radio-frequency control card.	
001 AF43SR	Plug-in radio-frequency circuit board for max. 25 transmitters.	
Snap-in 868.35 MHz receivers		
001 AF868	Plug-in radio-frequency control card.	
001 AF868SR	Plug-in radio-frequency circuit board for max. 25 transmitters.	
External, 12 - 24 V AC - DC, 433.92 MHz radio receivers		
001 RE432M 	Two-channel, external IP54 12 - 24 V AC - DC receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D and TWIN coding.	
External, 12 - 24 V AC - DC, 868.35 MHz radio receivers		
001 RE862M 	External two-channel 12 - 24 V AC - DC IP54 receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D coding.	
24 V AC - DC external modules		
806 RV-0010 	RBE4024 - Four-channel, external, 24 V AC - DC, IP54 multi-user receiver module for saving up to 3,000 different user codes, for the TOP - TAM - ATOMO D - TWIN series.	
120 - 230 V AC external modules		
806 RV-0020 	RBE4230 - Four-channel, external, multi-user IP54, 120 - 230 V AC for saving up to 3,000 different user codes, for the following series: TOP, TAM, ATOMO D, TWIN.	
433.92 MHz antenna for: 001KLED – 001KLED24		
001 TOP-A433N	Tuned antenna.	
868.35 MHz antenna for: 001KLED – 001KLED24		
001 TOP-A862N	Tuned antenna.	
Accessories		
001 TOP-RG58	Antenna cable.	
Transmitter accessories		
806 XG-0020 	Pack of no. 2 3V DC CR2032 lithium batteries.	

NOTES: for the 806RV-0010 and the 806RV-0020 use the 001AF43S or the 001AF868.

TOP 433.92 MHz

433.92 MHz radio control

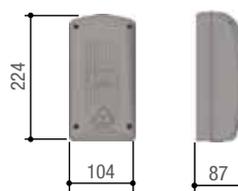
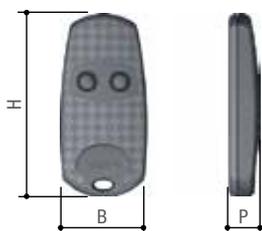


Ideal for fitting in single home settings

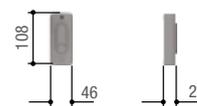
- Available in either the two or four-channel version.
- Self-learning from transmitter to transmitter.
- 16,777,216 possible combinations in TAM mode.
- 4,096 possible combinations in TOP mode.
- TOP (12 bit) or TAM (24 bit) mode code-setting.
- Multi-user function.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



806RV-0010
806RV-0020



001RE432M

Dimensions table (mm)

MODELS	B (mm)	H (mm)	P (mm)
TOP-432EE	32	68,5	11
TOP-434EE	32	68,5	11

Operational limits

MODELS	TOP-432EE	TOP-434EE
Max. range of radio (m)	50 ÷ 150	50 ÷ 150

Technical characteristics

MODELS	TOP-432EE	TOP-434EE
Combinations	4,096 TOP mode – 16,777,216 TAM mode	4,096 TOP mode – 16,777,216 TAM mode
Batteries	1 CR2032 LITIO	1 CR2032 LITIO
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Material	ABS	ABS

Code	Description
433.92 MHz transmitters	
001 TOP-432EE	Two-channel multiuser transmitter with self-learning function (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
001 TOP-434EE	Four-channel, multiuser transmitter with self-learning function (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
Snap-in 433.92 MHz receivers	
001 AF43S	Plug-in radio-frequency control card.
External, 12 - 24 V AC - DC, 433.92 MHz radio receivers	
001 RE432M 	Two-channel, external IP54 12 - 24 V AC - DC receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D and TWIN coding.
24 V AC - DC external modules	
806 RV-0010  	RBE4024 - Four-channel, external, 24 V AC - DC, IP54 multi-user receiver module for saving up to 3,000 different user codes, for the TOP - TAM - ATOMO D - TWIN series.
120 - 230 V AC external modules	
806 RV-0020 	RBE4230 - Four-channel, external, multi-user IP54, 120 - 230 V AC for saving up to 3,000 different user codes, for the following series: TOP, TAM, ATOMO D, TWIN.
433.92 MHz antenna for: 001KLED – 001KLED24	
001 TOP-A433N	Tuned antenna.
Accessories	
001 TOP-RG58	Antenna cable.
Accessories for: 001TOP-432EE - 001TOP-434EE	
806 XG-0020 	Pack of no. 2 3V DC CR2032 lithium batteries.



NOTES: for the 806RV-0010 and the 806RV-0020 use the 001AF43S or the 001AF868.

TOP 868.35 MHz

868.35 MHz radio control

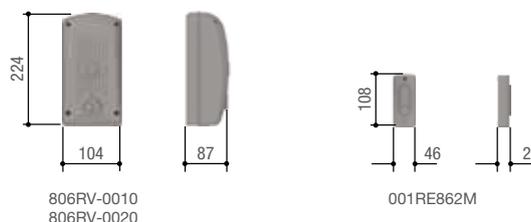
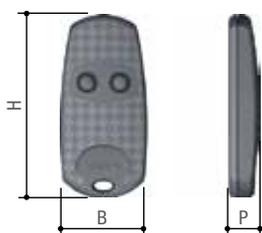


Ideal for fitting in single home settings

- Available in either the two or four-channel version.
- Self-learning from transmitter to transmitter.
- 16,777,216 possible combinations in TAM mode.
- 4,096 possible combinations in TOP mode.
- Multi-user function.
- TOP or TAM-mode code setting.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Dimensions table (mm)

Models	B (mm)	H (mm)	P (mm)
TOP-862EE	32	68,5	11
TOP-864EE	32	68,5	11

Operational limits

MODELS	TOP-862EE	TOP-864EE
Max. range of radio (m)	50 ÷ 150	50 ÷ 150

Technical characteristics

MODELS	TOP-862EE	TOP-864EE
Combinations	4,096 TOP mode – 16,777,216 TAM mode	4,096 TOP mode – 16,777,216 TAM mode
Batteries	1 CR2032 LITIO	1 CR2032 LITIO
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Material	POLYCARBONATE	POLYCARBONATE

Code	Description
868.35 MHz transmitters	
001 TOP-862EE	Two-channel multiuser transmitter with self-learning function (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
001 TOP-864EE	Four-channel, multiuser transmitter with self-learning function (16,777,216 in TAM mode, 4,096 combinations in TOP mode).
Snap-in 868.35 MHz receivers	
001 AF868	Plug-in radio-frequency control card.
External, 12 - 24 V AC - DC, 868.35 MHz radio receivers	
001 RE862M 	External two-channel 12 - 24 V AC - DC IP54 receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D coding.
24 V AC - DC external modules	
806 RV-0010 	RBE4024 - Four-channel, external, 24 V AC - DC, IP54 multi-user receiver module for saving up to 3,000 different user codes, for the TOP - TAM - ATOMO D - TWIN series.
120 - 230 V AC external modules	
806 RV-0020 	RBE4230 - Four-channel, external, multi-user IP54, 120 - 230 V AC for saving up to 3,000 different user codes, for the following series: TOP, TAM, ATOMO D, TWIN.
868.35 MHz antenna for: 001KLED – 001KLED24	
001 TOP-A862N	Tuned antenna.
Accessories	
001 TOP-RG58	Antenna cable.
Accessories for: 001TOP-862EE - 001TOP-864EE	
806 XG-0020 	Pack of no. 2 3V DC CR2032 lithium batteries.



NOTES: for the 806RV-0010 and the 806RV-0020 use the 001AF43S or the 001AF868.



The ideal solution for multi-user and apartment-block settings

- Transmitter with Key Code, that is, the password code that protects the radio-control from being duplicated without authorisation.
- Available in either the two or four-channel version.
- 4,294,967,896 possible combinations.
- TOP or TAM-mode code setting.
- Elegant, contemporary design.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



Dimensions (mm)



Dimensions table (mm)

Models	B (mm)	H (mm)	P (mm)
TW2EE	32	68	13
TW4EE	32	68	13

Operational limits

MODELS	TW2EE	TW4EE
Max. range of radio (m)	50 ÷ 150	50 ÷ 150

Technical characteristics

MODELS	TW2EE	TW4EE
Combinations	16.777.216	16.777.216
Batteries	2 x CR2016 LITHIUM	2 x CR2016 LITHIUM
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Material	POLYCARBONATE	POLYCARBONATE

Code	Description
KEY CODE, 433.92 MHz transmitters	
001 TW2EE	KEY CODE, two-channel transmitter 4,294,967,892 combinations.
001 TW4EE	Four-channel, transmitter with KEY CODE function. transmitter. 4,294,967,892 combinations.
433.92 MHz receivers with KEY CODE function.	
001 AF43TW	Plug-in radio-frequency control card.
Snap-in 433.92 MHz receivers	
001 AF43S	Plug-in radio-frequency control card.
External, 12 - 24 V AC - DC, 433.92 MHz radio receivers	
001 RE432M 	Two-channel, external IP54 12 - 24 V AC - DC receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D and TWIN coding.
24 V AC - DC external modules	
806 RV-0010  	RBE4024 - Four-channel, external, 24 V AC - DC, IP54 multi-user receiver module for saving up to 3,000 different user codes, for the TOP - TAM - ATOMO D - TWIN series.
120 - 230 V AC external modules	
806 RV-0020 	RBE4230 - Four-channel, external, multi-user IP54, 120 - 230 V AC for saving up to 3,000 different user codes, for the following series: TOP, TAM, ATOMO D, TWIN.
433.92 MHz antenna for: 001KLED – 001KLED24	
001 TOP-A433N	Tuned antenna.
Accessories	
001 TOP-RG58	Antenna cable.
Accessories for: 001TW2EE - 001TW4EE	
001 P3V	Package of two, 3 V DC, CR2016 lithium batteries



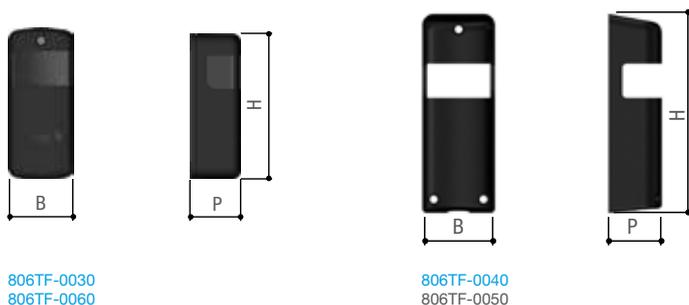
NOTES: For 806RV-0010 and 806RV-0020 use 001AF43S

Swiveling, synchronized infrared-beam safety devices

- Control the gate's area of movement
- Infrared beam swivels up to 180° on its vertical axis.
- It can synchronize up to eight pairs of photocells, with no disturbances, plus no wiring required between the transmitter and the receiver.
- Also available is the double height post for installing at industrial sites used by very large vehicles.
- Infrared beam range adjustment.
- Filter function to prevent false detections due to bad weather or direct sunlight.
- Settable contact output so the photocell can double as a control device.
- Also available with aluminum alloy casing.
- The 806TF-0060 version, with battery-powered transmitter, also allows to control a sensitive resistive safety-edge to protect the moving gate leaf.



Dimensions (mm)



806TF-0030
806TF-0060

806TF-0040
806TF-0050

Dimensions table (mm)

Models	B (mm)	H (mm)	P (mm)
806TF-0030	46	108	37
806TF-0040	52	145	39
806TF-0050	52	145	39
806TF-0060	46	108	37

Operational limits

MODELS	806TF-0030	806TF-0040	806TF-0060
Max range of infrared beam (m)	20	20	10

Technical characteristics

MODELS	806TF-0030	806TF-0040	806TF-0060
Protection rating (IP)	54	54	54
Power supply (V)	12 - 24 AC - DC	12 - 24 AC - DC	12 - 24 AC - DC (RX)
Batteries (V)	-	-	1 x CR123A
Battery capacity (mAh)	-	-	1700
Absorption (mA)	40	40	-
Absorption	-	-	TX 110 µA - RX 40 mA
Maximum rating of output contacts at 24 V (A)	0.5	0.5	0.5
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	ABS	ABS - ALUMINUM	ABS

Code	Description
Synchronized, swiveling infrared-beam, Dxr series photocells	
806TF-0030 	DXR20CAP - Pair of surface mounted synchronized, swiveling, infrared-beam photocells rated at 12 - 24 V AC - DC. Range: 20 m.
806TF-0040 	DXR20CAM - Pair of aluminum, surface mounted, synchronized, swiveling, infrared-beam photocells rated at 12 - 24 V AC - DC. Range: 20 m.
806TF-0060 	DXR10BAP - Pair of surface mounted synchronized, swiveling, infrared-beam photocells rated at 12 - 24 V AC - DC and battery transmitter. Range: 10 m.
Accessories for: 806TF-0030 - 806TF-0060	
806TF-0050	Aluminum alloy cover.
001 DIR-L	Natural-finish aluminum post H = 500 mm.
001 DIR-LN	Black anodized aluminum post. H = 500 mm.
001 DIR-CG	Silver RAL9006, PVC post. H = 500 mm.
Accessories for: 806TF-0030 - 806TF-0040 - 806TF-0060	
001 DIR-S	Recess-mounting casing.
Accessories for: 001DIR-L	
001 DIR-P	Natural-finish, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm
Accessories for: 001DIR-LN	
001 DIR-PN	Black, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm
Accessories for: 001DIR-CG	
001 DIR-CGP	Silver RAL9006 post extension for fitting with double pair of photocells. H = 500 mm

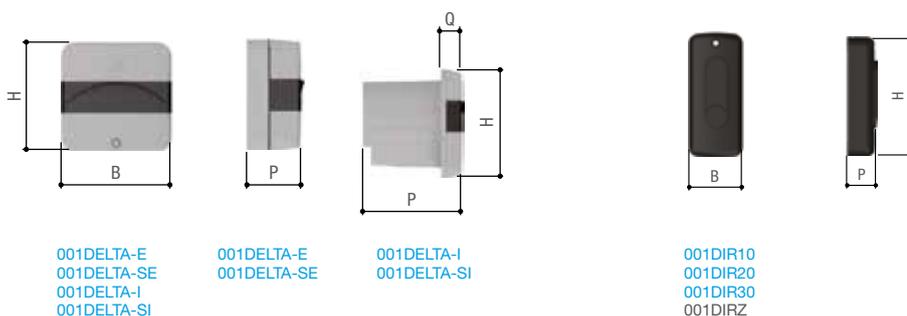


Safety devices for automated systems

- Control the gate's area of movement
- Infrared beam, even synchronized, to prevent any external signal disturbances.
- For the Dir series photocells, there is a double-height post, and a new PVC version of the post, for installing in entry and exit points where heavy vehicles drive through.
- CAME proposes the Delta-series, infrared-beam photocells and the Delta-S, synchronised infrared beam photocells: one design for both surface and recess-mounting.
- High degree of protection against weathering.



Dimensions (mm)



Dimensions table (mm)

Models	B (mm)	H (mm)	P (mm)	P + Q (mm)
DELTA-I	70	70	52	16
DELTA-E	70	70	36	-
DIR10	46	108	23	-
DIR20	46	108	23	-
DIR30	46	108	23	-
DELTA-SI	70	70	52	16
DELTA-SE	70	70	36	-
DIRZ	46	108	23	-

Operational limits

MODELS	DELTA-I	DELTA-E	DIR10	DIR20	DIR30	DELTA-SI	DELTA-SE
Max range of infrared beam (m)	20	20	10	20	30	20	20

Technical characteristics

MODELS	DELTA-I	DELTA-E	DIR10	DIR20	DIR30	DELTA-SI	DELTA-SE
Protection rating (IP)	54	54	54	54	54	54	54
Power supply (V)	12 - 24 AC - DC						
Absorption	110	110	60	60	60	70	70
Maximum rating of output contacts at 24 V (A)	0,5	0,5	0,5	0,5	0,5	0,5	0,5
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	ABS POLYCARBONATE						

Code	Description
Delta-series infrared beam photocells	
001 DELTA-I 	Pair of 12 – 24 V AC – DC recess-mounted photocells with casing.
001 DELTA-E 	Pair of surface-mounted 12 – 24 V AC – DC photocells with casing. Range 20 m.
Dir- series, synchronized infrared-beam photocells	
001 DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.
001 DIR20 	Pair of surface-mounted 12 – 24 V AC – DC photocells. Range: 20 m.
001 DIR30 	Pair of surface-mounted 12 – 24 V AC – DC photocells. Range: 30 m.
Delta-S-series, synchronized infrared-beam photocells	
001 DELTA-SI 	Pair of 12 – 24 V AC – DC recess-mounted photocells with casing.
001 DELTA-SE 	Pair of surface-mounted 12 – 24 V AC – DC photocells. Range: 20 m.
Accessories for: 001 DELTA-I - 001 DELTA-SI	
009 DOC-S	Recess-mounting casing.
001 DOC-L	Anodized aluminum with natural finish post. H = 500 mm.
001 DOC-LN	Black anodized aluminum post. H = 500 mm.
Accessories for: 001 DELTA-E - 001 DELTA-SE	
001 DOC-R	Steel brace for flush surface mounting on the post.
001 DELTA-B	Natural-finish anodized aluminum post for bi-directional fitting. H = 500 mm
001 DELTA-BN	Black anodized aluminum post for bi-directional fitting. H = 500 mm



NOTES:
001DELTA-I and 001DELTA-E Up to four pairs of photocells can be fitted at once.

THE COMPLETE RANGE

Code	Description
Accessories for: 001DIR10 - 001DIR20 - 001DIR30	
001 DIRZ	Aluminum alloy, shock-proof protection.
001 DIR-S	Recess-mounting casing.
001 DIR-L	Natural-finish aluminum post H = 500 mm.
001 DIR-LN	Black anodized aluminum post. H = 500 mm.
001 DIR-CG	Silver RAL9006, PVC post. H = 500 mm.
Accessories for: 001DIR-L	
001 DIR-P	Natural-finish, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm
Accessories for: 001DIR-LN	
001 DIR-PN	Black, anodized aluminum post-extension for applying to double pair of photocells. H = 500 mm
Accessories for: 001DIR-CG	
001 DIR-CGP	Silver RAL9006 post extension for fitting with double pair of photocells. H = 500 mm

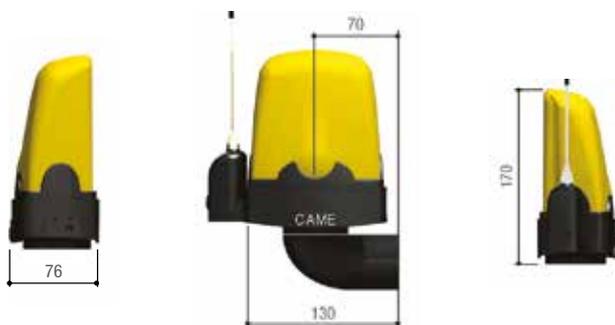


The low-consuming, movement alerter

- Sleek design and high-quality materials for a flashing light that offers much more than simple light alerts.
- Long life and low consumption.
- Energy efficiency is linked to lower consumption (1 W - 120 V AC / 2 W - 230 V AC / 2 W - 24 V AC - DC).
- A wall-mounting support suitable for all installations.



Dimensions (mm)



Technical characteristics

MODELS	KLED	KLED24
Protection rating (IP)	54	54
Power supply (V)	120 - 230 AC 50/60 Hz	24 V AC - DC 50/60 Hz
Power (W)	2 (230 V AC) - 1 (120 V AC)	2
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Material	ABS - POLYCARBONATE	ABS - POLYCARBONATE

● 120 - 230 V AC ● 24 V AC - DC

Code	Description
120 - 230 V AC Flashing light	
001 KLED	LED flashing light signaller.
24 V AC – DC Flashing light	
001 KLED24	LED flashing light signaller.
Accessories for: 001KLED - 001KLED24	
001 KIAROS	Wall-fastening base.
433.92 Mhz antenna	
001 TOP-A433N	Tuned antenna.
868.35 Mhz antenna	
001 TOP-A862N	Tuned antenna.
Accessories for: 001TOP-A433N - 001TOP-A862N	
001 TOP-RG58	Antenna cable.

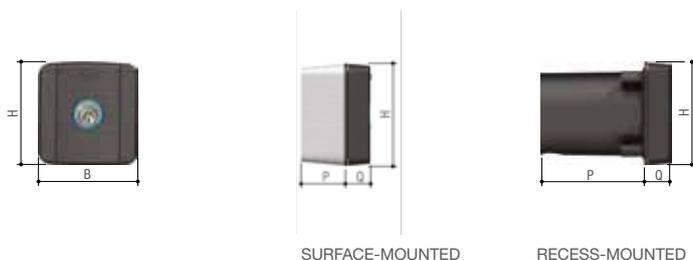


The control for all operators

- Backlit with blue light, available in the surface-mounted or recess-mounted version.
- RAL7024 gray cover.
- Available in the key-operated version with cylinder lock or with European DIN cylinder (even for 230 V applications).



Dimensions (mm)



SURFACE-MOUNTED

RECESS-MOUNTED

Dimensions table (mm)

Models	B (mm)	H (mm)	P (mm)	Q (mm)	P + Q (mm)
806SL-0050	70.5	73.5	47.5	16.5	64
806SL-0060	70.5	73.5	76	16.5	92.5
806SL-0010	70.5	73.5	33.5	16.5	50
806SL-0020	70.5	73.5	76	16.5	92.5
806SL-0090	70.5	73.5	47.5	16.5	64
806SL-0100	70.5	73.5	76	16.5	92.5
806SL-0051	70.5	73.5	47.5	16.5	64
806SL-0061	70.5	73.5	76	16.5	92.5

Technical characteristics

MODELS	806SL-0050	806SL-0060	806SL-0010	806SL-0020	806SL-0090	806SL-0100	806SL-0051	806SL-0061
Protection rating (IP)	44	44	44	44	44	44	44	44
Power (W)	0,3	0,3	0,3	0,3	-	-	0,3	0,3
Max. rating of 24 V (A) relay contacts	3	3	3	3	-	-	3	3
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

Code	Description
Key-switch selectors with DIN lock	
806SL-0050 	SELD1FDG - surface-mounted key-switch selector with blue backlight and DIN lock cylinder. RAL7024 Gray color.
806SL-0060 	SELD2FDG - Recess-mounted key-switch selector with blue backlight and DIN lock cylinder. RAL7024 Gray color.
8K06SL-004 	SELD1K01 - Kit consisting of two surface-mounted key-switch selectors with blue backlighting and DIN lock cylinder. RAL7024 gray color.
8K06SL-005 	SELD2K01 - Kit consisting of two recess-mounted key-switch selectors with blue backlighting and DIN lock cylinder. RAL7024 gray color.
Key-switch selectors with DIN lock for 230 V AC controls	
806SL-0090	SELD1FAG - Surface-mounted key-switch selector and DIN lock cylinder for 230 V controls. RAL7024 Gray color.
806SL-0100	SELD2FAG - Recess-mounted key-switch selector and DIN lock cylinder for 230 V controls. RAL7024 Gray color.
Key-switch selectors with cylinder locks	
806SL-0010 	SELC1FDG - Surface-mounted key-switch selector with blue backlight and cylinder lock. RAL7024 Gray color.
806SL-0020 	SELC2FDG - Recess-mounted key-switch selector with blue backlight and cylinder lock. RAL7024 Gray color.
Accessories for recess mounted selector switches	
001 CSS	Post made of natural-finish, anodized aluminum.
001 CSSN	Post made of black, anodized aluminum.
Key-switch selectors without DIN lock.	
806SL-0051 	SELD1FDS - Surface-mounted key-switch selector with blue backlighting, without DIN lock cylinder. RAL7024 gray color.
806SL-0061 	SELD2FDS - Recess-mounted key-switch selector with blue backlighting, without DIN lock cylinder. RAL7024 gray color.



NOTES: 806SL-0051 - 806SL-0061
For DIN lock cylinders, see spare part 119R36887 (from code 002 to code 050).

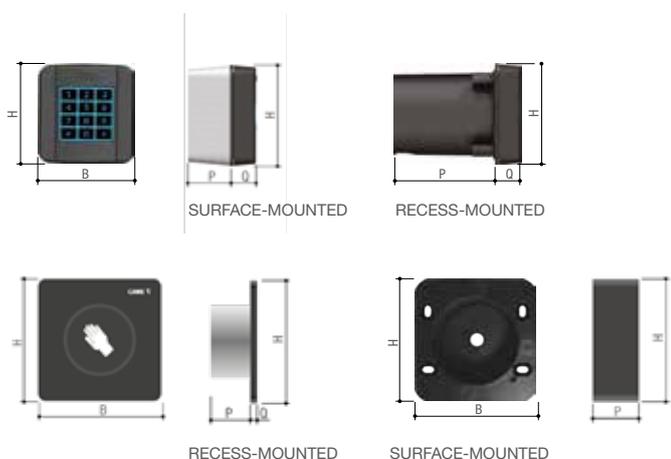


The digital control for all automated operators

- Backlit with blue light, available in the surface-mounted or recess-mounted version.
- RAL7024 gray cover.
- 12-key keypad for extra security.
- Transponder selector for Manchester-type cards and keyfobs.
- Bluetooth selector with CAME AUTOMATIONBT APP free for IOS and Android.
- Bluetooth plug-in selector version available.



Dimensions (mm)



Dimensions table (mm)

Models	B (mm)	H (mm)	P (mm)	Q (mm)	P + Q (mm)
806SL-0170	70.5	73.5	33.5	16.5	50
806SL-0180	70.5	73.5	33.5	16.5	50
806SL-0150	70.5	73.5	33.5	16.5	50
806SL-0160	70.5	73.5	76	16.5	92.5
806SL-0110	70.5	73.5	33.5	16.5	50
806SL-0120	70.5	73.5	76	16.5	92.5
806SL-0210	70,5	73,5	33,5	16,5	50
806SL-0240	70,5	73,5	33,5	16,5	50
806SL-0250	70,5	73,5	33,5	16,5	50
806SL-0260	88	88	28	5	33
806SL-0270	88	88	-	5	5

Technical characteristics

MODELS	806SL-0170	806SL-0180	806SL-0150	806SL-0160	806SL-0110	806SL-0120	
Protection rating (IP)	54	54	54	54	54	44	
Power supply (V)	-	-	-	-	-	-	
Power (W)	0,144	0,144	0,6	0,6	0,83	0,83	
Batteries	1 x CR123A	1 x CR123A	--	--	--	--	
Battery capacity (mAh)	1600	1600	-	-	-	-	
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	
Material	-	-	-	-	-	-	
MODELS	806SL-0210	806SL-0240	806SL-0250	806SL-0260	SMA	SMA2	SMA220
Protection rating (IP)	54	54	54	54	20	20	20
Power supply (V)	12 - 24 AC - DC	24 V AC - DC	24 V AC - DC	230 AC			
Power (W)	0,7	0,7	0,7	0,7	-	-	-
Max. rating of 24 V (A) relay contacts	1	1	1	1	-	-	-
Operating temperature (°C)	-20° ÷ +55°	-20° ÷ +55°	-20° ÷ +55°	-20° ÷ +55°	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	-	-	-	-	ABS	ABS	ABS

Code	Description
433.92 MHz keypad radio selectors	
806SL-0170 	SELT1W4G - 433.92 MHz surface-mounted, 12-key radio keypad selector, with blue backlight, 25 savable codes and password to access the programming mode. Settable in Rolling Code or Fixed Code mode. RAL7024 Gray color.
868.35 MHz keypad radio selectors	
806SL-0180 	SELT1W8G - 868.35 MHz surface-mounted, 12-key radio keypad selector, with blue backlight, 25 savable codes and password to access the programming mode. Settable in Rolling Code or Fixed Code mode. RAL7024 Gray color.
Bluetooth digital selectors	
806SL-0210 	SELB1SDG1 - Surface-mounted Bluetooth selector for 15 users with blue backlighting. RAL7024 Gray color.
806SL-0240 	SELB1SDG2 - Surface-mounted Bluetooth selector for 50 users with blue backlighting. RAL7024 Gray color.
806SL-0250 	SELB1SDG3 - Surface-mounted Bluetooth selector for 250 users with blue backlighting. RAL7024 Gray color.
12 - 24 V AC - DC microwave sensor	
806SL-0260 	SELS2SDG - Recess-mounted 12 - 24 V AC - DC touch sensor, with settable backlight.
Bluetooth digital plug-in selectors	
806SA-0140 	GATEWAY to connect the operator to the cloud via WiFi or locally via Bluetooth mode (5 users).
Transponder sensors	
806SL-0110	SELR1NDG - Surface-mounted transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 Gray color.
806SL-0120	SELR2NDG - Recess-mounted transponder selector for cards, keyfobs and TAG (Manchester protocol) with blue backlighting. RAL7024 Gray color.
Keypad selectors	
806SL-0150	SELT1NDG - Surface-mounted keypad selector, with 12 keys and backlighting. RAL7024 Gray color.
806SL-0160	SELT2NDG - Recess-mounted keypad selector, with 12 keys and backlighting. RAL7024 Gray color.
24 V AC - DC magnetic sensors	
009SMA 	Single.-channel magnetic sensor for detecting metal masses.
009SMA2 	Two-channel magnetic sensor for detecting metal masses.
230 V AC magnetic sensors	
009SMA220	Single.-channel magnetic sensor for detecting metal masses.



DOWNLOAD the CAME AutomationBT APP



AutomationBT is CAME's new app for Bluetooth selectors that lets you control your automated operators via smartphone. Activate the location service, receive alerts and open the gate. The Keyless function lets you even do it automatically.

THE COMPLETE RANGE

Code	Description
433.92 MHz plug-in receivers for: 806SL-0170	
001 AF43S	Plug-in radio-frequency control card.
001 AF43SR	Plug-in radio-frequency circuit board for max. 25 transmitters.
Snap-in 868.35 MHz receivers for: 806SL-0180	
001 AF868	Plug-in radio-frequency control card.
001 AF868SR	Plug-in radio-frequency circuit board for max. 25 transmitters.
External 12 - 24 V AC - DC 433.92 MHz radio receivers for: 806SL-0170	
001 RE432M 	Two-channel, external IP54 12 - 24 V AC - DC receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D and TWIN coding.
External 12 - 24 V AC - DC 868.35 MHz radio receivers for: 806SL-0180	
001 RE862M 	External two-channel 12 - 24 V AC - DC IP54 receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D coding.
Accessories for: 806SL-0150 - 806SL-0160	
806 SL-0230 	S0002M - External, two-channel, 12 - 24 V AC - DC IP54 control card for keypads.
12 - 24 V AC - DC external modules for: radio-based transponders, keypads and selectors	
806 RV-0010  	RBE4024 - Four-channel, external, 24 V AC - DC, IP54 multi-user receiver module for saving up to 3,000 different user codes, for the TOP - TAM - ATOMO D - TWIN series.
120 - 230 V AC external modules for: transponder, keypad and radio-based selectors	
806 RV-0020 	RBE4230 - Four-channel, external, multi-user IP54, 120 - 230 V AC for saving up to 3,000 different user codes, for the following series: TOP, TAM, ATOMO D, TWIN.



Code	Description
Accessories for: 806RV-0010 - 806RV-0020	
001 R700	Card for decoding and access control with transponder.
001 R800	Control board for decoding and access-control management via keypad selectors.
001 AF43S	Plug-in radio-frequency control card.
001 AF868	Plug-in radio-frequency control card.
Accessories for: 806SL-0260	
806 SL-0270	Surface-mounted casing.
Accessories for: 806SL-0120 - 806SL-0160	
001 CSS	Post made of natural-finish, anodized aluminum.
001 CSSN	Post made of black, anodized aluminum.
009 DOC-S	Recess-mounting casing.
868.35 MHz antenna for: 001KLED - 001KLED24 - 806SL-0180	
001 TOP-A862N	Tuned antenna.
Antenna at 433.92 MHz for: 001KLED - 001KLED24 - 806SL-0170	
001 TOP-A433N	Tuned antenna.
Accessories	
001 TOP-RG58	Antenna cable.
Accessories for: 806SL-0110 - 806SL-0120	
001 TST01	Transponder card, ISO 7810 - 7813 format, Manchester 125 KHz protocol.
009 PCT	Keyfob transponder.

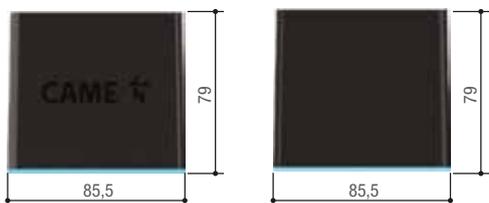




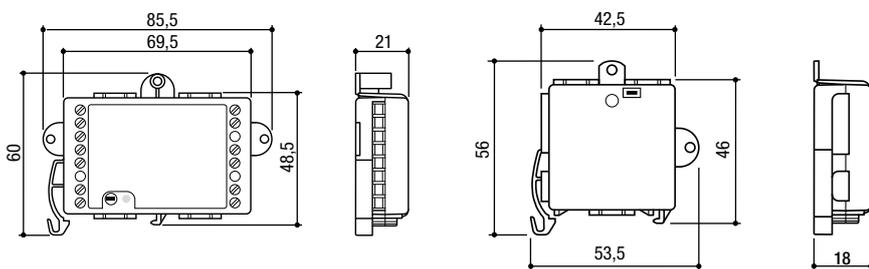
Technology to control automated operators from any remote location

- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.
- Freedom of installation by choosing the appropriate connection type (Wi-Fi-Ethernet-GSM).
- Possibility to extend the system using slave modules (806SA-0040 - 806SA-0150).
- Thanks to the CAME protocol it is possible to have total control of the operator (commands, automation status, programming).
- Possibility to program scenarios and timers, easily and intuitively.
- Thanks to two output relays and two digital inputs, integrated in the unit, the operator opening or closing can be controlled without the CAME protocol (806SA-0010 - 806SA-0020).
- The basic GSM version without built-in radio-frequency module is also available (806SA-0030).
- CAME AUTOMATION APP and CONNECT SETUP can be freely downloaded from Google Play or App Store.

Dimensions (mm)



842EC-0020
806SA-0130



806SA-0010
806SA-0020

806SA-0040

Technical characteristics

MODELS	842EC-0020	806SA-0130	806SA-0010	806SA-0020	806SA-0040
Protection rating (IP)	30	30	-	-	-
Power supply (V)	5 DC	5 DC	12 - 30 AC - DC	12 - 30 AC - DC	12 - 30 AC - DC
Radio signal frequency (Mhz)	868,65 - 869,50	869,50	869,50	-	869,50
Data connection technologies	WI-FI - ETHERNET	WI-FI - ETHERNET	GSM	GSM	-
Power (W)	-	-	3	3	-
Operating temperature (°C)	+5 ÷ +40	+5 ÷ +40	-20 ÷ +70	-20 ÷ +70	-20 ÷ +70

● 230 V AC ● 24 V DC

Code	Description
Ethernet and WiFi Gateways	
842EC-0020 	QBEDFSB1 - Radio-frequency and WiFi Smart Home Gateway, with one App to manage all connected devices, remotely or on site.
806SA-0130 	QBEMFSB2 - Ethernet-WiFi Gateway for controlling, via the CAME Connect system, up to five 806SA-0040 modules over the radio-frequency connection.
Wi-Fi gateways	
806SA-0140 	GATEWAY to connect the operator to the cloud via WiFi or locally via Bluetooth mode (5 users).
GSM Gateways	
806SA-0010 	RGSM001 - GSM Gateway module with built-in radio, for remote control of CAME automated operators with the CAME CONNECT dedicated system (002RSE module included). For controlling up to five slave modules.
806SA-0020 	RGSM001S - Stand-alone GSM Gateway module for remote control of CAME automated operators with the CAME CONNECT dedicated system (002RSE module included).
Accessories for: 806SA-0010 - 806SA-0030 - 842EC-0020 - 806SA-0130	
806SA-0150 	SLAVE MODULE to connect the operator to the Came Connect gateways.
806SA-0040 	RSLV001 - Slave module for operators (002RSE module included).
Accessories for GSM Gateway	
806SA-0050	Two-metre long antenna cable



DOWNLOAD THE CAME AUTOMATION APP

The Cloud connection changes the way we experience our automated operators, by ensuring comfort and safety. We have put all our CAME Connect automated products online. In this way they can be controlled from any smartphone or tablet.



QBE SMART HOME CONNECTOR

- Radio frequency
- Hardwired
- Wi-Fi
- Plug-in

TWO BUILT-IN
RADIO RECEIVER/
TRANSMITTER UNITS
869.50 MHZ OPERATORS
868.65 MHZ DOMOTICS



ETHERNET SOCKET
BUILT-IN

5 V DC POWER DRIVER
PROVIDED



DOMOTIC MODULE
67600480



SLAVE MODULE
806SA-0040



SLAVE MODULE
806SA-0150



DOMOTIC MODULE
67600470
67600720

Two hardwired
outputs

RS485



TUBE GEARED MOTORS FOR
AWNINGS AND SHUTTERS

TUBE MOTORS
230 V AC single
phase, with built
in limit switch

TUBE MOTORS
KBS 5 series



GATE AND GARAGE DOOR OPERATORS

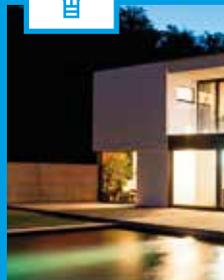
AUTOMATIONS
not set up for
CAME Connect
or belonging to
other brands

AUTOMATIONS
fitted with
CAME Connect
technology



TEMPERATURE CONTROL

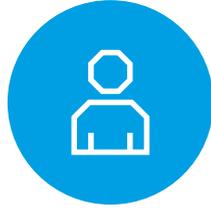
PROGRAMMABLE THERMOSTATS
TH/550 WH WL series



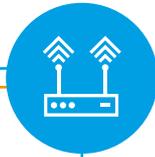
LIGHTS
ON-OFF type or
other electric loads



**QBE SETUP
INSTALLER APP**



**CAME QBE
USER APP**



**HOME WIFI
ROUTER**



DOMOTIC MODULE
67600710
67600730



SECURITY WIFI DONGLE MODULE
846XC-0020



**LIGHTING CONTROL
AND OTHER ELECTRIC LOADS**

LIGHTS
DIMMABLE or other electric
loads



VIDEO ENTRY SYSTEMS

VIDEO ENTRY SYSTEMS
XTS series



SAFETY

BURGLAR PROOFING
All CAME Gateway



CCTV

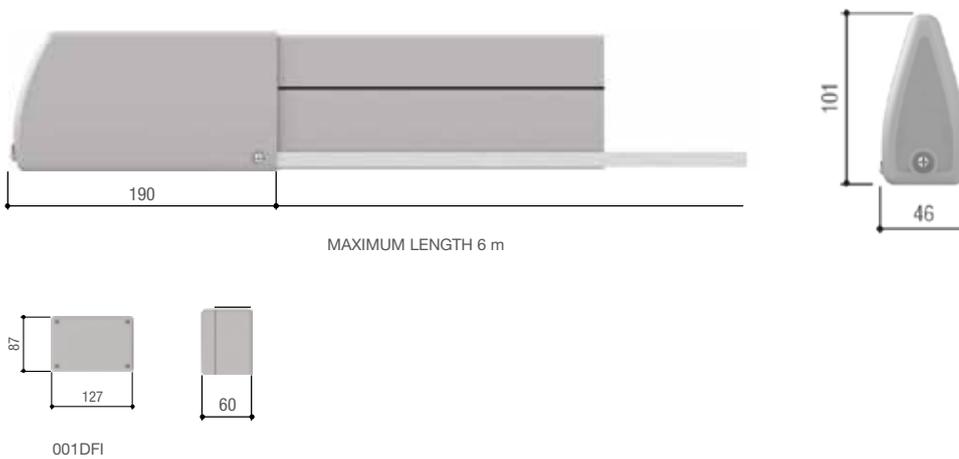
CCTV
8K48EA-008



Sensitive edges certified for total protection

- An exclusive CAME patent for protection against any mechanical risk.
- The solution for high levels of safety and quality of your automated system.
- Mechanical or resistive contact (8K2Ω).
- Specific for using with RIO System 2.0 (requires items 806SS-0010 - 806SS-0040 - 806SS-0050), or DXR photocells (item 806TF-0060).
- A product that complies with standard EN13849-1.

Dimensions (mm)



Technical characteristics

MODELS	DFWN1500	DFWN1700	DFWN2000	DFWN2500
Protection rating (IP)	54	54	54	54
Maximum speed measured at the end of the leaf (m/min)	12	12	12	12
Max. rating of 24 V (A) relay contacts	3 / 24 V (resistive)			
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	TPE 65 SHORT A			

Code	Description
Sensitive safety-edges	
001 DFWN1500	Sensitive safety edge made of rubber, with mechanical contact. L = 1,500 mm.
001 DFWN1700	Sensitive safety edge made of rubber, with mechanical contact. L = 1,700 mm.
001 DFWN2000	Sensitive safety edge made of rubber, with mechanical contact. L = 2,000 mm.
001 DFWN2500	Sensitive safety edge made of rubber, with mechanical contact. L = 2,500 mm.
Components for assembling the sensitive safety-edges of up to 4 m. (max.).	
009 RV117H	Aluminum profile L = 2,000 mm.
009 RV118I	Rubber profile L = 4,000 mm.
001 TMFW	Package of caps and mechanisms.
Components for assembling sensitive safety-edges of up to 6 m (max.)	
009 RV117H	Aluminum profile L = 2,000 mm.
009 RV118A	Rubber profile L = 6,000 mm.
001 TMF6W	Package of caps and mechanisms.
Components for: sensitive safety-edges	
001 DFI 	Circuit board for self-diagnosing the electrical connections, 12 - 24 V AC - DC.



RIO System 2.0

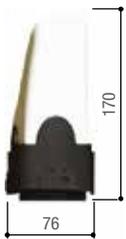
Wireless security system



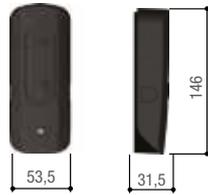
Total safety today is also cordless

- Save on fitting times compared to traditional installations.
- No digging or masonry work required.
- No cables to lay.
- Elegant, low-key design.
- Compatible with any control panel.
- Total safety in compliance with European standards.
- Immediately brings your systems up to code, even if they are non compliant.
- Reduced consumption.
- Malfunction and low-battery alerts.

Dimensions (mm)



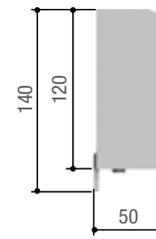
806SS-0030



806SS-0010
806SS-0020



806SS-0050



Operational limits

MODELS	806SS-0010	806SS-0020	806SS-0030	806SS-0050	806SS-0040
Max. range of radio (m)	30	30	30	30	30
Max range of infrared beam (m)	10 (TX - RX)	-	-	-	-

Technical characteristics

MODELS	806SS-0010	806SS-0020	806SS-0030	806SS-0050	806SS-0040
Protection rating (IP)	54	54	54	55	-
Power supply (V)	3	3	3	24 AC - DC	5
Radio signal frequency (Mhz)	868,95	868,95	868,95	868,95	868,95
Batteries	2 x CR123A LITHIUM	1 x LITHIUM CR123A	2 x LITHIUM CR123A	--	--
Battery capacity (mAh)	1700	1700	1700	-	-
Max. rating of 24 V (A) relay contacts	-	-	-	1	-
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	ABS - POLYCARBONATE	ABS - POLYCARBONATE	ABS - POLYCARBONATE	ABS - POLYCARBONATE	-

● 24 V DC

Code	Description
Wireless, infrared beam photocells.	
806SS-0010 	RIOPH8WS - Pair of wireless, infrared-beam photocells. Infrared range: 10 (m)
Wireless modules	
806SS-0020 	RIOED8WS - Wireless module for controlling resistive sensitive safety-edges.
Wireless flashing lights	
806SS-0030 	RIOLX8WS - Wireless flashing light
Surface-mounted wireless control modules	
806SS-0050 	RIOCT8WS - External radio-control module for managing wireless accessories.
Wireless plug-in control modules for operators set up for RIO System 2.0 technology	
806SS-0040 	RIOCN8WS - Snap-in, radio-based control module for managing wireless accessories.
Accessories for: 806SS-0010	
001 DB-L	Anodized aluminum with natural finish post. H = 500 mm.
001 DB-LN	Black anodized aluminum post. H = 500 mm.
001 DB-CG	Silver RAL9006, PVC post. H = 500 mm.
Accessories for: 806SS-0030	
001 KIAROS	Wall-fastening base.



TOP Rolling Code - 8K06RV-001 KIT

24



RADIO CONTROL KIT

- Complete 433.92 MHz 12 - 24 V DC radio system for universal use

Code	Description	
806TS-0111	TOPD2RBS - Two-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001 RE432M	Two-channel, external IP54 12 - 24 V AC - DC receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D and TWIN coding.	1
001 TOP-A433N	Tuned antenna.	1
001 TOP-RG58	Antenna cable.	m 5



RADIO CONTROL KIT

- Complete 433.92 MHz 120-230 V AC radio system for universal use

Code	Description	
806TS-0121	TOPD4RBS - Four-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
806RV-0020 	RBE4230 - Four-channel, external, multi-user IP54, 120 - 230 V AC for saving up to 3,000 different user codes, for the following series: TOP, TAM, ATOMO D, TWIN.	1
001 AF43S	Plug-in radio-frequency control card.	1
001 TOP-A433N	Tuned antenna.	1
001 TOP-RG58	Antenna cable.	m 5



RADIO CONTROL KIT

- Complete 433.92 MHz 12 - 24 V DC radio system for universal use

Code	Description	
806TS-0092	TOPD2FKS - Two-channel, double frequency, self-learning transmitter, black. (16,777,216 in TAM mode, 4,096 combinations in TOP mode)	2
001RE432M	Two-channel, external IP54 12 - 24 V AC - DC receiver for saving up to 50 different user codes, with TOP, TAM, ATOMO D and TWIN coding.	1
001TOP-A433N	Tuned antenna.	1
001TOP-RG58	Antenna cable.	m 5

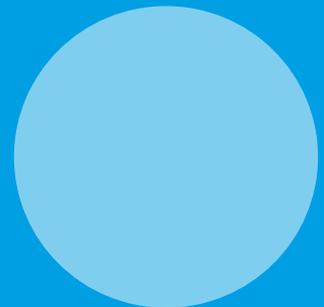
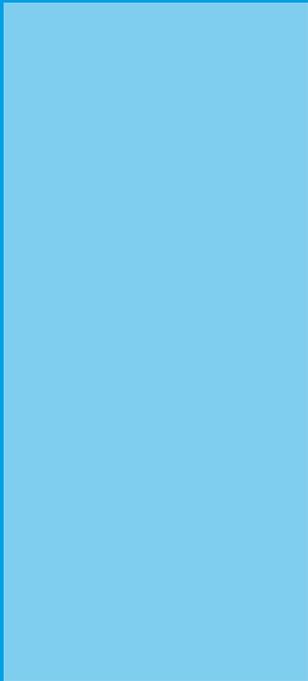


RADIO CONTROL KIT

- Radio-based security system for DFWN-series sensitive safety-edges

Code	Description	
806SS-0050	RIOCT8WS - External radio-control module for managing wireless accessories.	1
 		
806SS-0020	RIOED8WS - Wireless module for controlling resistive sensitive safety-edges.	1
		

TURNSTILES



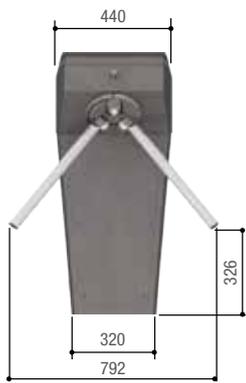
288	STILE ONE
290	XVIA
292	TWISTER LIGHT
294	TWISTER
296	GUARDIAN
298	WING
300	SALOON
302	COMPASS
304	FLAG
306	ACCESSOIRES

STILE ONE

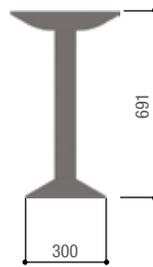
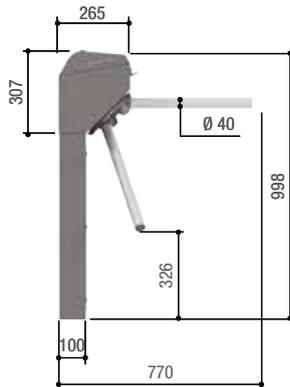
Motor-powered tripod turnstiles



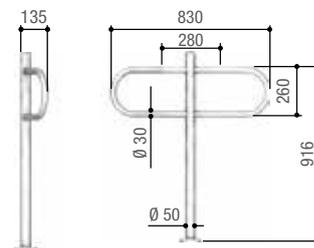
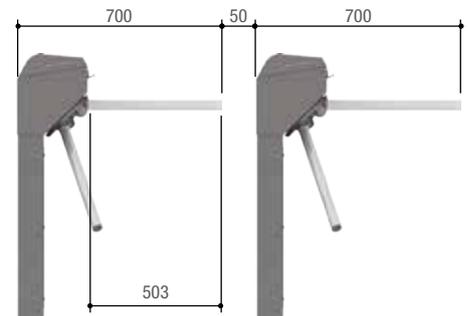
Dimensions (mm)



Version with: 001PSMMA-C



001PSMMA-D



001PSOPGO1X
001PSOPGO1

Compact tripod-turnstile for installation in limited spaces

- Painted steel structure (rough finish) with AISI 304 stainless steel arms.
- Arrangement for wall mounting or on "leg" (optional).
- Control board with display and buttons.
- Set up for additional boards for CAME control devices with internal management up to 150 users.
- Integration with third-party access control with passage activation and feedback through clean contacts.
- Available access LED signalling bar on both sides.
- In case of power outage, free passage in both directions (depending on the model, it rotates freely or drops the horizontal arm).
- Buzzer for signalling forcing attempts.

Technical characteristics

MODELS	PSMM01	PSMM02
Protection rating (IP)	44	44
Power supply (V - 50/60 Hz)	120 - 230 AC	120 - 230 AC
Power (W)	120	120
Stand-by consumption (W)	4	10
Weight (Kg)	22	25
Insulation class	I	I
Max number of passages/min.*	30	30
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

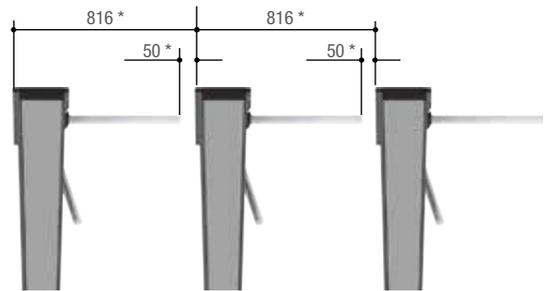
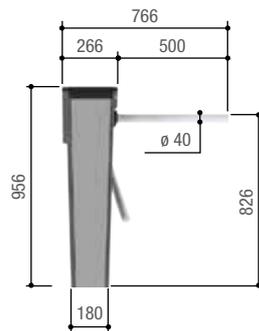
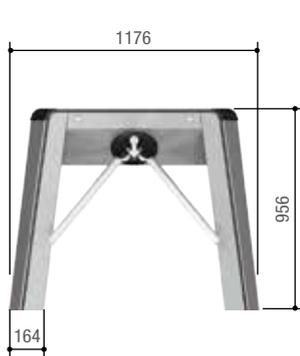
* See the free-access mode

Code	Description
Motor-powered tripod turnstiles	
001 PSMM01	Bidirectional motor-powered painted galvanized-steel turnstile, complete with control board. The tripod automatically releases during power outages.
001 PSMM02	Bidirectional motor-powered painted galvanized-steel turnstile, complete with control board and fall-away arm system.
Accessories for motor-powered tripod turnstiles	
001 PSMMA-A	Two LED alert bars.
001 PSMMA-B	Wall-fastening brace kit.
001 PSMMA-C	Hollow-core leg.
001 PSMMA-D	Tube leg.
Accessories	
001 PSOPG01	Channeler complete with riser with AISI 304 stainless steel arch, galvanized steel anchoring flange and chromed plastic flange cover. H = 1,000 mm.
001 PSOPG01X	Channeler made of AISI 304 steel complete with arched riser, fastening flange and flange cover. H = 1,000 mm.

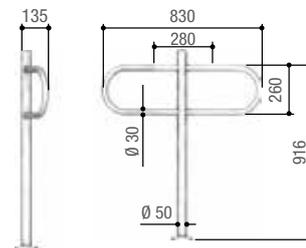




Dimensions (mm)



* Minimum dimension.



001PSOPGO1
001PSOPGO1X

Motor-powered tripod turnstile for high frequency transit also with transponders

- Structure completely in stainless steel AISI 304.
- LED indicators with red/green light.
- Control board with buttons and external display.
- Possibility of integrating 001PSXVA5 readers with internal management up to 250 users.
- Integration with third-party access control with passage activation and feedback through clean contacts.
- In case of power outage, it frees up the passage in both directions (depending on the model, it rotates freely or drops the horizontal arm).
- Buzzer for signalling forcing attempts.

Technical characteristics

MODELS	PSXV02	PSXV03
Protection rating (IP)	44	44
Power supply (V - 50/60 Hz)	120 - 230 AC	120 - 230 AC
Power (W)	180	180
Stand-by consumption (W)	18	13
Weight (Kg)	45	45
Insulation class	I	I
Max number of passages/min.*	30	30
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

* See the free-access mode

Code	Description
Motor-powered tripod turnstiles	
001 PSXV02	Two-way, motor-driven, turnstile made of satin-finish, AISI 304 steel, with control board, LED directional lights, five-digit display, self-resetting drop-down arm system and tamper-proof system. Control board programming (or via RFID card if using with the 001PSXVA5).
001 PSXV03	Two-way, motor-driven, turnstile made of satin-finish, AISI 304 steel, with control board, LED directional lights, five-digit display and tamper-proof system. Control board programming (or via RFID card if using with the 001PSXVA5).
Accessories for tripod turnstiles	
001 PSXVA5	Pair of 125 MHz reader cards.
Accessories	
001 PSOPG01	Channeler complete with riser with AISI 304 stainless steel arch, galvanized steel anchoring flange and chromed plastic flange cover. H = 1,000 mm.
001 PSOPG01X	Channeler made of AISI 304 steel complete with arched riser, fastening flange and flange cover. H = 1,000 mm.



THE MULTIFUNCTION DISPLAY AND TRANSPONDER SENSOR

The turnstile is series-fitted with a multifunction display on either side and can fit the optional antenna for magnetic cards on the Manchester 125 KHz version.

Xvia also features LED light signaling displays, which are factory-fitted on either side of the turnstile.



EMERGENCY FUNCTIONS

The 001PSXV02 version features the drop-down arm function to instantly free up the passage in emergencies.

TWISTER LIGHT

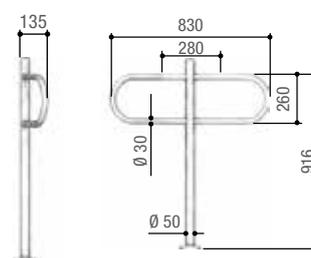
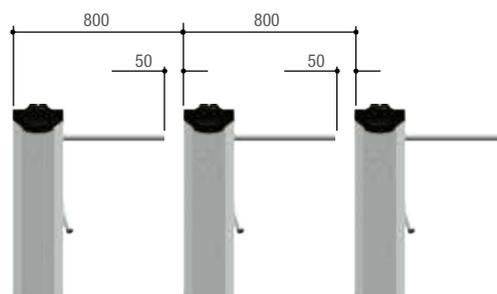
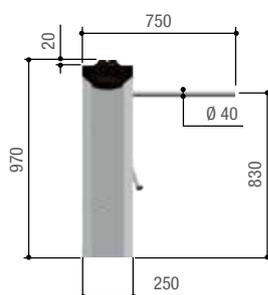
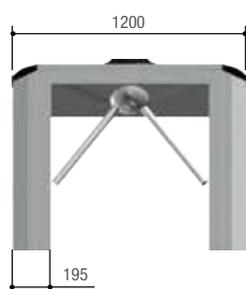
Electromechanical tripod turnstiles

Electromechanical tripod turnstile for high frequency passages

- Structure completely in stainless steel AISI 304.
- Possibility to integrate different types of readers thanks to the wide availability of space.
- Control board with buttons and external display (except 001PSBPS07N).
- Integration with third-party access control with passage activation and feedback through clean contacts (optional).
- In case of power outage, it frees up the passage in both directions (depending on the model, it rotates freely or drops the horizontal arm).



Dimensions (mm)



001PSOPGO1
001PSOPGO1X

Technical characteristics

MODELS	PSBPS07N	PSBPS08	PSBPS10
Protection rating (IP)	44	44	44
Power supply (V - 50/60 Hz)	120 - 230 AC	120 - 230 AC	120 - 230 AC
Weight (Kg)	76	76	80
Max number of passages/min.*	12	12	12
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

* See the free-access mode

● 120 - 230 V AC

Code	Description
Electromechanical tripod turnstiles	
001 PSBPS07N	Two-way, electro-mechanical turnstile made of AISI 304, satin-finish stainless steel, with control board, hydraulic brake. The tripod automatically releases during power outages.
001 PSBPS08	Bidirectional electromechanical turnstile made of AISI 304 satin-finish steel, complete with control board, hydraulic brake and LED directional indicators. The tripod automatically releases during power outages.
001 PSBPS10	Bidirectional electromechanical turnstile made of AISI 304 satin-finish steel, complete with control board, hydraulic brake and LED directional indicators and drop-away arm system.
Accessories for: 001PSBPS07N - 001PSBPS08	
001 PSOPSC01	Package of no. 3 antipanic arms with pressure break-away joint.
001 PSOPCN03	Electronic counter.
001 PSOPSF03	Stop-go light with LED warning display.
Accessories for: 001PSBPS08 - 001PSBPS10	
821 XC-0020	Anti-leap over kit; for detecting any leap-over attempts at the turnstile.
Accessories	
001 PSOPG01	Channeler complete with riser with AISI 304 stainless steel arch, galvanized steel anchoring flange and chromed plastic flange cover. H = 1,000 mm.
001 PSOPG01X	Channeler made of AISI 304 steel complete with arched riser, fastening flange and flange cover. H = 1,000 mm.



TWISTER

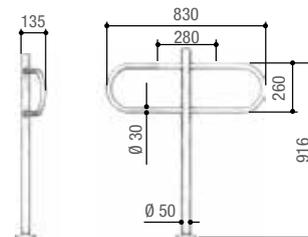
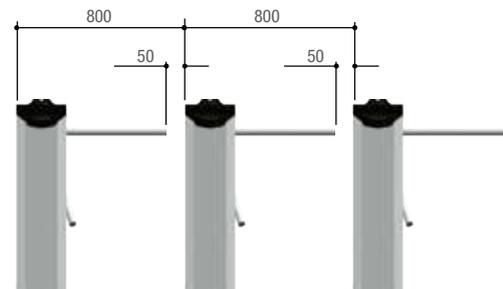
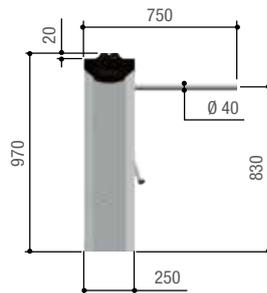
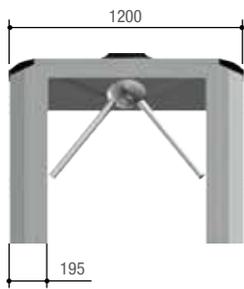
Motor-powered, electromechanical, tripod turnstiles



Electromechanical tripod turnstile for high frequency passages, also with transponders

- Structure completely in stainless steel AISI 304.
- Possibility to integrate different types of readers thanks to the wide availability of space.
- It is available in electromechanic and motor-driven versions.
- Control board with buttons and external display.
- Set up for additional boards for CAME control devices with internal management up to 500 users.
- Integration with third-party access control with passage activation and feedback through clean contacts (optional).
- In case of power outage, it frees up the passage in both directions (depending on the model, it rotates freely or drops the horizontal arm).

Dimensions (mm)



001PSOPGO1
001PSOPGO1X

Technical characteristics

MODELS	PST001	PST002	PST004	821TR-0010	821TR-0020
Protection rating (IP)	44	44	44	44	44
Power supply (V - 50/60 Hz)	120 - 230 AC				
Power (W)	-	-	-	180	180
Stand-by consumption (W)	19	19	46	13	18
Weight (Kg)	76	76	80	52	52
Insulation class	I	I	I	I	I
Max number of passages/min.*	12	12	12	30	30
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

* See the free-access mode

● 120 - 230 V AC

Code	Description
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Electromechanical tripod turnstiles	
001 PST001	Bi-directional electromechanical turnstile made of AISI 304 satin-finish steel with control board fitted, plus transponder sensors, LED directional indicators with display, lateral stop-go lights and hydraulic braking. The tripod automatically releases during power outages.
001 PST002	Bi-directional electromechanical turnstile made of AISI 304 satin-finish steel with control board fitted, plus LED directional indicators with display, lateral stop-go lights and hydraulic braking. The tripod automatically releases during power outages.
001 PST004	Bi-directional electromechanical turnstile made of AISI 304 satin-finish steel with control board fitted, plus LED directional indicators with display, lateral stop-go lights, drop-away arm system and hydraulic braking.
Accessories for: 001PST001 - 001PST002	
001 PSOPSC01	Package of no. 3 antipanic arms with pressure break-away joint.
Motor-powered tripod turnstiles	
821TR-0010	TWS32MXY - Two-way, satin-finish, AISI 304 stainless steel motor-powered turnstile, featuring a control board, LED signalling-arrows and lateral stop-go lights and break-in alarm. Automatically release during power outages.
821TR-0020	TWS32MXZ - Two-way, satin-finish, AISI 304 stainless steel motor-powered turnstile, featuring a control board, automatically-resetting drop-away arm, break-in alarm, LED signalling-arrows and lateral stop-go lights.
Accessories for motor-powered, electromechanical, tripod turnstiles	
821XC-0020	Anti-leap over kit; for detecting any leap-over attempts at the turnstile.
Accessories	
001 PSOPG01	Channeler complete with riser with AISI 304 stainless steel arch, galvanized steel anchoring flange and chromed plastic flange cover. H = 1,000 mm.
001 PSOPG01X	Channeler made of AISI 304 steel complete with arched riser, fastening flange and flange cover. H = 1,000 mm.



GUARDIAN

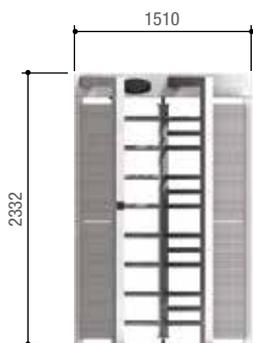
Full-height turnstiles



The full-height system for controlling high-traffic passages

- Available in 3 and 4 sector versions, both single and double.
- Galvanized and painted steel structure (RAL7035) with rotor and arms in AISI 304 stainless steel. On request, available completely in AISI 304 stainless steel.
- Possibility of integrating CAME transponder sensors.
- Control board with buttons and external display.
- Set up for additional boards for CAME control devices with internal management up to 500 users.
- Integration with third-party access control with passage activation and feedback through clean contacts.
- During power outages the passage can be freed up in either direction.

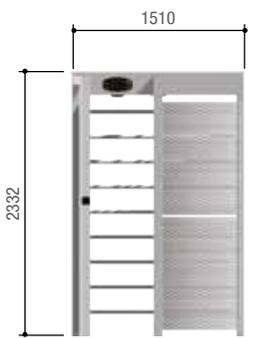
Dimensions (mm)



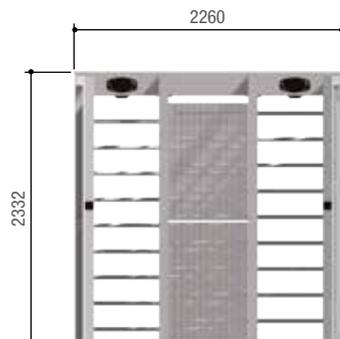
001PSGS3



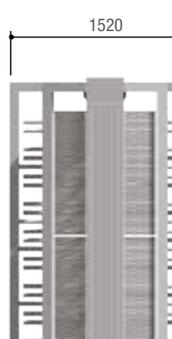
001PSGD3



001PSGS4



001PSGD4



Technical characteristics

MODELS	PSGS3	PSGD3	PSGS4	PSGD4
Protection rating (IP)	44	44	44	44
Power supply (V - 50/60 Hz)	120 - 230 AC			
Stand-by consumption (W)	22	44	22	44
Weight (Kg)	360	670	430	800
Max number of passages/min.*	10	10	10	10
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

* See the free-access mode

● 120 - 230 V AC

Code	Description
Full-height electromechanical turnstiles	
001 PSGS3	Bidirectional electromechanical single full-height turnstile with three 120° sectors - structure made of RAL 7035 coated galvanized steel, complete with control board and hydraulic brake, LED directional indicators, multifunction display and courtesy light.
001 PSGD3	Bidirectional electromechanical full-height double turnstile with three 120° sectors - structure made of RAL 7035 coated galvanized steel, complete with control board and hydraulic brake, LED directional indicators, multifunction display and courtesy light.
001 PSGS4	Bidirectional electromechanical full-height single turnstile with four 90° sectors - structure made of RAL 7035 coated galvanized steel, complete with control board and hydraulic brake, LED directional indicators, multifunction display and courtesy light.
001 PSGD4	Bidirectional electromechanical full-height double turnstile with four 90° sectors - structure made of RAL 7035 coated galvanized steel, complete with control board and hydraulic brake, LED directional indicators, multifunction display and courtesy light.
Custom coatings	
119 COLOR16	Extra coating.



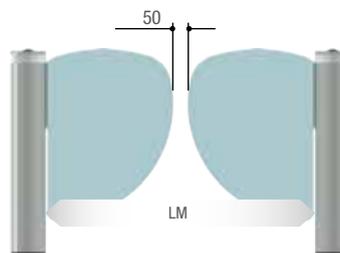
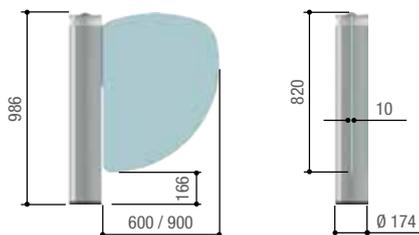
NOTES
 We can do customer-requested customized RAL paint jobs.
 Deliveries take place at least 15 working days from receipt of order.
 Available on request, AISI 304 stainless steel versions.



Dimensions (mm)

Elegant solution for quick passages

- Structure completely in AISI 304 stainless steel and leaf available in tempered glass or plexiglass.
- Control board with display.
- Set up for additional boards for CAME control devices with internal management up to 150 users.
- Integration with third-party access control with passage activation and position feedback (open/closed) via clean contacts.
- Built-in luminous crown; it signals leaf movement and the turnstile's operating status.
- Paired operation (master - slave) in the case of double leaves, for passages exceeding 900 mm.
- During power outages the passage can be freed up in either direction.



LM = Max. net clearance width

Operational limits

MODELS	PSWNG40
Min. leaf length (mm)	600 (PSWL60 - PSWL60C)
Max. leaf length (mm)	900 (PSWL90 - PSWL90C)
Min. clearance width (mm)	1250
Max. clearance width (mm)	1850
Max. leaf opening (°)	90

Technical characteristics

MODELS	PSWNG40
Protection rating (IP)	40
Power supply (V - 50/60 Hz)	120 - 230 AC
Power (W)	120
Max number of passages/min.*	12
Opening speed at 90° (s)	1
Operating temperature (°C)	-20 ÷ +55

* See the free-access mode

Code	Description
24 V DC motor-powered swing-leaf turnstile	
001 PSWNG40 	Bidirectional motor-powered swing-leaf turnstile made of AISI 304 steel, complete with control board and LED indicators.
Accessories	
001 PSWL60	Plexiglas leaf L = 600 mm, thickness = 10 mm.
001 PSWL90	Plexiglas leaf L = 900 mm, thickness = 10 mm.
001 PSWL60C	Glass leaf L = 600 mm, thickness = 10 mm.
001 PSWL90C	Glass leaf L = 900 mm, thickness = 10 mm.
001 PSWLC	Hooking up kit for customized leaf.



LUMINOUS WARNING RED CROWN

Signals that the leaf is closing.



LUMINOUS WARNING GREEN CROWN

Signals that the leaf is opening.



LUMINOUS WARNING BLUE CROWN

Warns that the leaf is about to close.



THE CONTROL BOARD

The display allows for easy and quick function control.

SALOON

Motor-powered swing-leaf turnstiles



Modular and safe installation for quick passages

- Satin "stainless steel effect" structure set up for the integration of CAME barriers Ø 40 mm.
- Set up for housing one or 2 activation radars.
- Control board with buttons and display.
- Set up for additional boards for CAME control devices with internal management up to 150 users.
- Integration with third-party access control with passage activation and position feedback (open/closed) via clean contacts.
- Luminous crown to warn when the gate leaf is moving and signal operation status.
- Paired operation (Master - Slave) in the case of double leaves, for passages exceeding 1200 mm.
- Buzzer for signalling forcing attempts.
- During power outages the passage can be freed up in either direction.

Dimensions (mm)



LM = Max. net clearance width

Operational limits

MODELS	PSSLN40
Min. leaf length (mm)	900 (PSSL90)
Max. leaf length (mm)	1200 (PSSL120)
Min. clearance width (mm)	1850
Max. clearance width (mm)	2450
Max. leaf opening (°)	90

Technical characteristics

MODELS	PSSLN40
Protection rating (IP)	40
Power supply (V - 50/60 Hz)	120 - 230 AC
Power (W)	120
Max number of passages/min.*	12
Opening speed at 90° (s)	1
Operating temperature (°C)	-20 ÷ +55

* See the free-access mode

Code	Description
24 V DC motor-powered swing-leaf turnstile	
001 PSSLN40 	Bidirectional motor-powered swing-leaf turnstile made of aluminum, complete with control board and LED indicators.
Accessories	
001 PSSL90	Aluminium gate leaf L = 900 mm.
001 PSSL120	Aluminium gate leaf L = 1200 mm.
001 PSSLC	Customized aluminum leaf. (L = from 600 to 1,200 mm, notify us of the dimensions you want, when ordering).
001 PSSA01	Automatic-opening activation radar.
001 PSSA03	Kit containing two chrome-finish plastic couplers for fitting the crowd barriers.
001 PSSA04	Kit containing two AISI 304 steel couplers for fitting the crowd barriers.



LUMINOUS WARNING RED CROWN

Signals that the leaf is closing.



LUMINOUS WARNING GREEN CROWN

Signals that the leaf is opening.



LUMINOUS WARNING BLUE CROWN

Warns that the leaf is about to close.



ACTIVATION RADAR

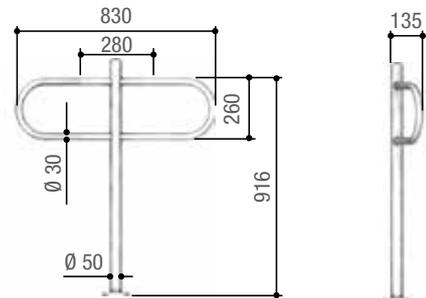
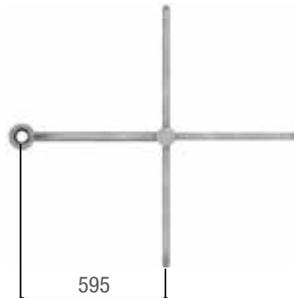
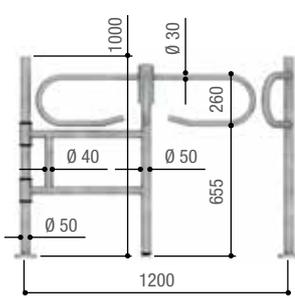
Built-in, for remotely opening the leaves ahead of time.

COMPASS

Mechanical swivel gates



Dimensions (mm)



001PSOPGO1
001PSOPGO1X

Solution for controlling people flows

- Four-arm mechanical turnstile.
- Simple and economical solution that allows the passage of one person at a time in both directions clockwise or counterclockwise depending on the model.
- It is also well suited in shopping malls of any size, at swimming pools, sports facilities, wellness and health clubs, amusement parks, and so on ...
- AISI 304 steel structure suitable also for outdoor fitting.

Code	Description
Swivel gates	
001 PSSPCW0	Floor-anchoring mobile mechanical swivel-gate with free clockwise rotation.
001 PSSPCW	Floor-anchoring mobile mechanical swivel-gate with free counter-clockwise rotation.
001 PSSPFMCW0	Fixed mechanical swing gate with wall-anchoring column and free clockwise rotation.
001 PSSPFMCW	Fixed swivel gate with wall-anchoring column and free counter-clockwise rotation.
Accessories	
001 PSOPG01	Channeler complete with riser with AISI 304 stainless steel arch, galvanized steel anchoring flange and chromed plastic flange cover. H = 1,000 mm.
001 PSOPG01X	Channeler made of AISI 304 steel complete with arched riser, fastening flange and flange cover. H = 1,000 mm.



FLAG

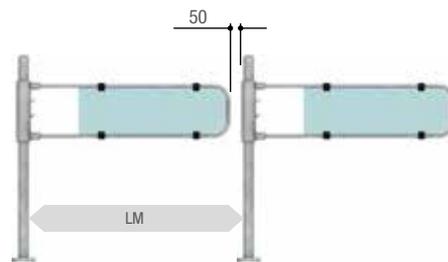
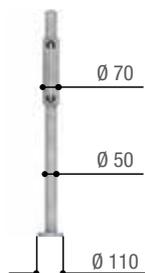
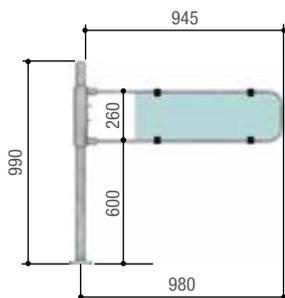
Mechanical saloon-type swing door



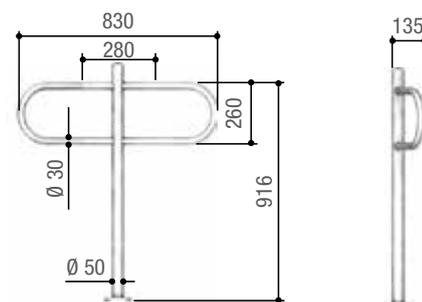
Multi-purpose solution for controlling people flows

- Push to open mechanical turnstile with counter-weighted-gravity mechanism.
- It is the best solution for regulating people flows.
- It is also well suited in shopping malls of any size, at swimming pools, sports facilities, wellness and health clubs, amusement parks, and so on ...
- It is designed to facilitate also the passage of physically challenged people.

Dimensions (mm)



LM = Max. net clearance width



001PSOPGO1
001PSOPGO1X

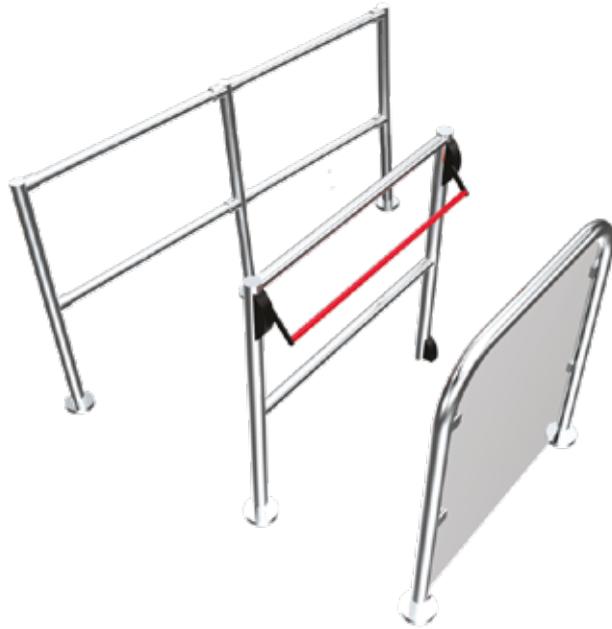
Code	Description
Mechanical saloon-type swing door	
001 PSBPCWOA	Mechanical swing door with right-hand column and key lock.
001 PSBPCWA	Mechanical swing door with left-hand column and key lock.
001 PSBP00A	Bidirectional mechanical turnstile and key lock.
Accessories	
001 PSOPG01	Channeler complete with riser with AISI 304 stainless steel arch, galvanized steel anchoring flange and chromed plastic flange cover. H = 1,000 mm.
001 PSOPG01X	Channeler made of AISI 304 steel complete with arched riser, fastening flange and flange cover. H = 1,000 mm.
Custom coatings	
001 PSMLANT01	Surcharge for modifying the leaf length. (Min. = 500 mm - Max. = 900 mm).



NOTES
001PSMLANT01 Specify the custom length of the leaf.

ACCESSORIES

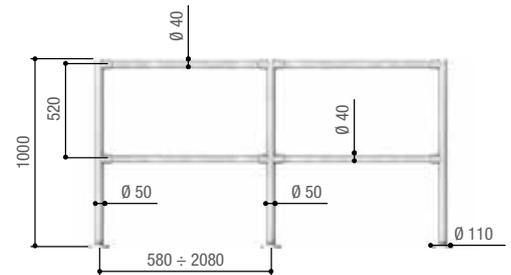
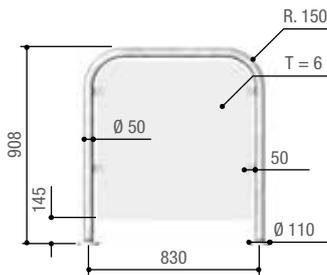
Crowd barriers



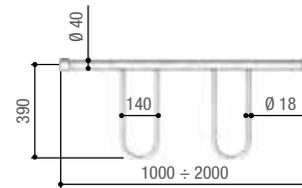
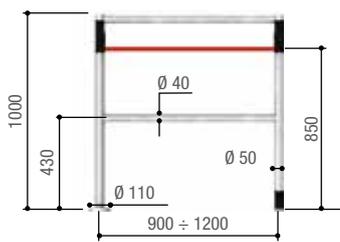
A complete range for completing any system configuration

- Modular crowd barrier system made of AISI 304 steel.
- Easy to fit together, and works well alongside turnstiles, mechanical turnstiles and swivel gates - alone, they help convey people flows or mark off areas for different uses.

Dimensions (mm)



T = Thickness



Code	Description
Columns for joinable crowd barriers	
001 PSTRV	Galvanizes steel column with chrome-finish plastic fastening-flange and cover, without holes. H = 1,000 mm.
001 PSTRV2F	Galvanized steel riser with chromed plastic anchoring flange and flange cover, with two holes. H = 1,000 mm.
001 PSTRV4F90	Galvanized steel riser with chromed plastic anchoring flange and flange cover, with two + two holes at 90°. H = 1,000 mm.
001 PSTRV4F180	Galvanized steel riser with chromed plastic anchoring flange and flange cover, with two + two holes at 180°. H = 1,000 mm.
001 PSTRV6F	Galvanized steel riser with chromed plastic anchoring flange and flange cover, with six holes. H = 1,000 mm.
001 PSTRV8F	Galvanized steel riser with chromed plastic anchoring flange and flange cover, with eight holes. H = 1,000 mm.
001 PSTRVX	Riser plus anchoring flange and flange cover made of AISI 304 stainless steel, with no holes. H = 1,000 mm.
001 PSTRVX2F	Riser plus anchoring flange and flange cover made of AISI 304 stainless steel, with two holes. H = 1,000 mm.
001 PSTRVX4F90	Riser plus anchoring flange and flange cover made of AISI 304 stainless steel, with two + two holes at 90°. H = 1,000 mm.
001 PSTRVX4F180	Riser plus anchoring flange and flange cover made of AISI 304 stainless steel, with two + two holes at 180°. H = 1,000 mm.
001 PSTRVX6F	Riser plus anchoring flange and flange cover made of AISI 304 stainless steel, with six holes. H = 1,000 mm.
001 PSTRVX8F	Riser plus anchoring flange and flange cover made of AISI 304 stainless steel, with eight holes. H = 1,000 mm.

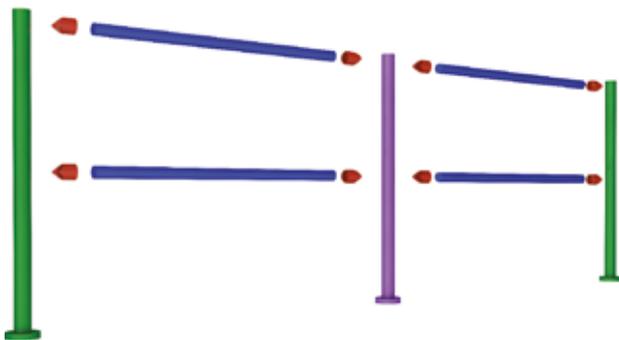


THE COMPLETE RANGE

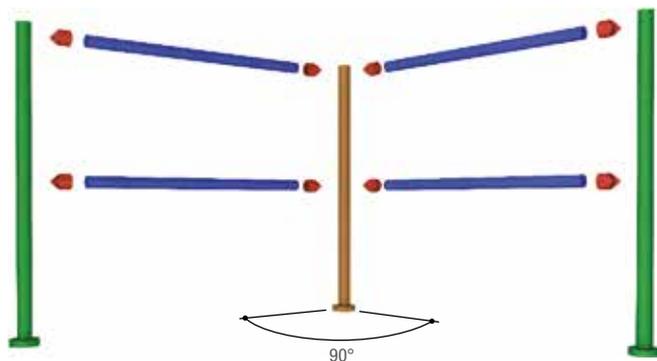
Code	Description
Tubes and couplers for joining crowd barriers	
001 PSTRT050	AISI 304 steel, horizontal tube Ø 40 mm, thickness 1 mm, L = 500 mm.
001 PSTRT100	AISI 304 steel, horizontal tube Ø 40 mm, thickness 1 mm, L = 1,000 mm.
001 PSTRT150	AISI 304 steel, horizontal tube Ø 40 mm, thickness 1 mm, L = 1,500 mm.
001 PSTRT200	AISI 304 steel, horizontal tube Ø 40 mm, thickness 1 mm, L = 2,000 mm.
001 PSTRM001	Two sleeve couplers made of chromed plastic with fastening screws.
001 PSTRM003	Two sleeve couplers made of AISI 304 steel with fastening screws.
001 PSTRM004	Two, wall-attaching couplers made of AISI 304 steel with fastening screws.



Compositions



- 001PSTRM001 - 001PSTRM003
- 001PSTRV2F - 001PSTRVX2F
- 001PSTRV4F180 - 001PSTRVX4F180
- 001PSTRT050 - 001PSTRT100 - 001PSTRT150 - 001PSTRT200



- 001PSTRM001 - 001PSTRM003
- 001PSTRV2F - 001PSTRVX2F
- 001PSTRV4F090 - 001PSTRVX4F090
- 001PSTRT050 - 001PSTRT100 - 001PSTRT150 - 001PSTRT200

Code	Description
Mono-directional crowd barriers for trolley transit	
001 PSTPC100	Crowd barrier with two arches. L = 1,000 mm, H = 1,000 mm.
001 PSTPC150	Crowd barrier with three arches. L = 1,500 mm, H = 1,000 mm.
001 PSTPC200	Crowd barrier with four arches. L = 2,000 mm, H = 1,000 mm.
Complete crowd barriers	
001 PSTRFPA	Floor-anchored crowd barrier made of AISI 304 steel and 6 mm-thick polycarbonate panel. H = 900 mm.
001 PSTRFPAN	Floor-anchored crowd barrier made of AISI 304 steel without panel. H = 900 mm.
Crowd barriers with anti-panic handle	
001 PSUS120D	Crowd barrier made of AISI 304 steel. Right-hand post L = 1,200 mm, H = 1,000 mm.
001 PSUS120S	Crowd barrier made of AISI 304 steel. Left-hand post L = 1,200 mm, H = 1,000 mm.
001 PSUS090D	Crowd barrier made of AISI 304 steel. Right-hand post L = 900 mm, H = 1,000 mm.
001 PSUS090S	Crowd barrier made of AISI 304 steel. Left-hand post L = 900 mm, H = 1,000 mm.



DISCOVER FURTHER SOLUTIONS FOR PEDESTRIAN ACCESS CONTROL

SPEEDGATES

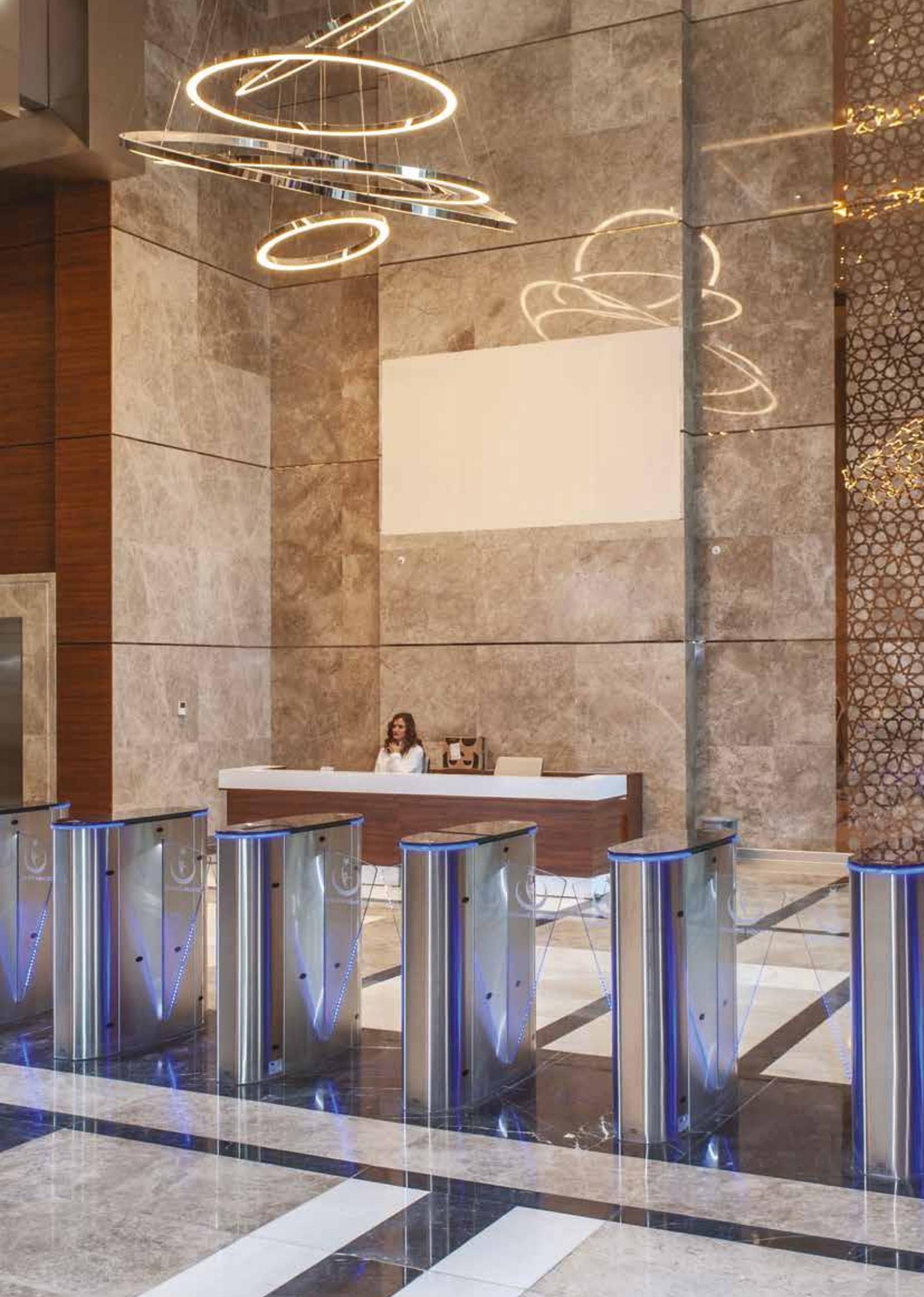
For access management and control in elegant settings with fast passage requirements



HIGH-SECURITY TURNSTILES

For access control in locations that require high levels of protection





Analytical index

		Pag	Code	Pag	Code	Pag	Code
79	001A3000	261	001DIR-P	196	001G04000	305	001PSBPOOA
79	001A3000A	261	001DIR-PN	193	001G04002	293	001PSBPS07N
81	001A3024N	261	001DIR-S	193	001G04003	293	001PSBPS08
79	001A3100	263	001DIR10	181	001G0401	293	001PSBPS10
79	001A3100A	263	001DIR20	178	001G0402	297	001PSGD3
79	001A3106	263	001DIR30	181	001G0403	297	001PSGD4
100	001A4364	264	001DIRZ	181	001G0405	297	001PSGS3
100	001A4365	263	001DOC-L	174	001G04060	297	001PSGS4
100	001A4366	263	001DOC-LN	181	001G0460	305	001PSMLANT01
100	001A4370	263	001DOC-R	180	001G04601	289	001PSMM01
103	001A4801	145	001E001	177	001G0461	289	001PSMM02
80	001A5000	145	001E002	182	001G0462	289	001PSMMA-A
80	001A5000A	145	001E781A	182	001G0463	289	001PSMMA-B
81	001A5024N	145	001E782A	180	001G0465	289	001PSMMA-C
80	001A5100	145	001E783	181	001G0467	289	001PSMMA-D
80	001A5100A	145	001E784	180	001G0468	293	001PSOPCN03
80	001A5106	145	001E785A	187	001G0502	289	001PSOPGO1
243	001AF43S	145	001E786A	187	001G05350	289	001PSOPGO1X
243	001AF43SR	145	001E787A	196	001G06000	293	001PSOPSC01
243	001AF43TW	145	001EM4001	181	001G0601	293	001PSOPSF03
243	001AF868	145	001EM4024	179	001G0602	178	001PSRT01
243	001AF86SR	145	001EM4024CB	181	001G0603	301	001PSSA01
201	001ARK1	217	001F4004	181	001G0605	301	001PSSA03
201	001ARK2	217	001F40230E	174	001G06080	301	001PSSA04
253	001AT02D	217	001F4024E	197	001G06802	301	001PSSL120
253	001AT04D	217	001F4024EP	197	001G06803	301	001PSSL90
77	001AX302304	93	001FA70230	179	001G06850	301	001PSSLC
77	001AX3024	93	001FA70230CB	199	001G12000K	301	001PSSLN40
77	001AX312304	93	001FA7024	199	001G1325	303	001PSSPCCW
77	001AX402306	93	001FA7024CB	195	001G2080E	303	001PSSPCWO
77	001AX412306	97	001FE40230	195	001G2080EZZ	303	001PSSPFMCCW
77	001AX5024	97	001FE40230V	195	001G2080EZZ	303	001PSSPFMCCWO
77	001AX71230	97	001FE4024	195	001G2080IE	295	001PST001
39	001B4337	97	001FE4024V	195	001G2080IZ	295	001PST002
42	001B4353	97	001FERNI-BDX	195	001G2080Z	295	001PST004
49	001BY-3500T	97	001FERNI-BSX	177	001G2500	309	001PSTPC100
219	001C-BX	100	001FL-180	189	001G3000DX	309	001PSTPC150
219	001C-BXE	99	001FROG-A	189	001G3000IDX	309	001PSTPC200
219	001C-BXE24	99	001FROG-A24	189	001G3000ISX	309	001PSTRFPA
219	001C-BXEK	99	001FROG-A24E	189	001G3000SX	309	001PSTRFPAN
220	001C-BXET	99	001FROG-AE	185	001G3250	308	001PSTRM001
219	001C-BXK	99	001FROG-AV	178	001G3750	308	001PSTRM003
220	001C-BXT	105	001FROG-CD	178	001G3751	308	001PSTRM004
217	001C002	100	001FROG-CFN	181	001G4000	308	001PSTRT050
221	001C003	100	001FROG-CFNI	191	001G4040E	308	001PSTRT100
221	001C004	105	001FROG-CS	191	001G4040EZ	308	001PSTRT150
221	001C005	105	001FROG-MD	191	001G4040EZZ	308	001PSTRT200
221	001C006	105	001FROG-MS	191	001G4040IE	307	001PSTRV
221	001C007	103	001FROG-PC	191	001G4040IZ	307	001PSTRV2F
221	001C008	103	001FROG-PM4	191	001G4040Z	307	001PSTRV4F180
221	001C009	103	001FROG-PM6	187	001G5000	307	001PSTRV4F90
221	001C011	199	001G0121	181	001G6000	307	001PSTRV6F
203	001CAR-2	196	001G02000	179	001G6500	307	001PSTRV8F
203	001CAR-4	174	001G02040	179	001G6501	307	001PSTRVX
203	001CAT-15	177	001G0251	223	001H001	307	001PSTRVX2F
203	001CAT-5	177	001G0257	36	001H3000	307	001PSTRVX4F180
203	001CAT-I	189	001G02801	223	001H3001	307	001PSTRVX4F90
203	001CAT-X	197	001G028011	223	001H40230120	307	001PSTRVX6F
203	001CAT-X24	189	001G02802	223	001H40230180	307	001PSTRVX8F
217	001CMS	196	001G02805	223	001H41230120	309	001PSUS090D
269	001CSS	170	001G02807	223	001H41230180	309	001PSUS090S
269	001CSSN	180	001G02808	267	001KIAROS	309	001PSUS120D
81	001D001	170	001G02809	267	001KLED	309	001PSUS120S
281	001DB-CG	178	001G028401	267	001KLED24	299	001PSWL60
281	001DB-L	178	001G028402	83	001KR001	299	001PSWL60C
281	001DB-LN	189	001G03000	83	001KR300D	299	001PSWL90
263	001DELTA-B	189	001G03001	83	001KR300S	299	001PSWL90C
263	001DELTA-BN	189	001G03002	83	001KR302D	299	001PSWLC
263	001DELTA-E	189	001G03003	83	001KR302S	299	001PSWNG40
263	001DELTA-I	189	001G03004	83	001KR310D	291	001PSXV02
263	001DELTA-SE	189	001G03005	83	001KR310S	291	001PSXV03
263	001DELTA-SI	189	001G03006	83	001KR312D	291	001PSXVA5
279	001DFI	185	001G03250	83	001KR312S	39	001R001
279	001DFWN1500	185	001G03250K	83	001KR510D	36	001R700
279	001DFWN1700	178	001G03750	83	001KR510S	33	001R800
279	001DFWN2000	192	001G03751	94	001LBF70	243	001RE432M
279	001DFWN2500	192	001G03752	70	001LOCK81	243	001RE862M
261	001DIR-CG	193	001G03753	70	001LOCK82	33	001RGP1
261	001DIR-CGP	178	001G03755DX	259	001P3V	36	001RSDN001
261	001DIR-L	178	001G03755SX	305	001PSBPCCWA	36	001RSDN002
261	001DIR-LN	178	001G03756	305	001PSBPCWOA	36	001RSDN003

Pag	Code	Pag	Code	Pag	Code	Pag	Serie	Code
73	001RSWN001	279	009RV118I	243	806RV-001	COMPLETE SYSTEMS		
85	001STYLO-BD	170	009SMA	246	806RV-0010	125	ATI	001U7013ML
85	001STYLO-BS	170	009SMA2	243	806RV-0020	124	ATI	001U7117ML
85	001STYLO-ME	271	009SMA220	275	806SA-0010	108	ATS	8K01MP-023
85	001STYLO-RME	297	119COLOR16	275	806SA-0020	109	ATS	8K01MP-024
279	001TMF6W	87	801MB-0050	275	806SA-0040	112	AXI	8K01MP-006
279	001TMFW	89	801MB-0070	275	806SA-0050	111	AXI	8K01MP-012
255	001TOP-432EE	87	801MB-0080	169	806SA-0080	110	AXL	8K01MP-016
255	001TOP-434EE	93	801MB-0090	46	806SA-0090	123	AXO	001U7315ML
257	001TOP-862EE	93	801MB-0100	174	806SA-0100	122	AXO	001U7337ML
257	001TOP-864EE	89	801MB-0110	46	806SA-0120	57	BK	001U2813
243	001TOP-A433N	89	801MB-0120	275	806SA-0130	58	BK	001U2826
243	001TOP-A862N	73	801MP-0020	271	806SA-0140	56	BX	001U2303ML
243	001TOP-RG58	75	801MP-0030	275	806SA-0150	55	BX	001U2914ML
273	001TST01	75	801MP-0040	269	806SL-0010	52	BXL	8K01MS-015
259	001TW2EE	69	801MP-0050	269	806SL-0020	53	BXV	8K01MS-003
259	001TW4EE	69	801MP-0060	269	806SL-0050	54	BXV	8K01MS-004
201	001UNIP	69	801MP-0070	269	806SL-0051	117	FAST 70	001U1855
141	001V005	69	801MP-0080	269	806SL-0060	118	FAST 70	001U1872
143	001V06001	69	801MP-0090	269	806SL-0061	116	FAST 70	001U1MB-008
143	001V06002	69	801MP-0100	269	806SL-0090	128	FERNI	001U1274
143	001V06003	69	801MP-0110	269	806SL-0100	129	FERNI	001U1275
143	001V06005	39	801MS-0020	271	806SL-0110	126	FROG	001U1901ML
143	001V06006	39	801MS-0030	271	806SL-0120	127	FROG	001U1991ML
143	001V06007	41	801MS-0070	271	806SL-0150	113	FTL	8K01MB-007
141	001V0679	41	801MS-0080	271	806SL-0160	114	FTX	8K01MB-006
141	001V0682	41	801MS-0090	271	806SL-0170	115	FTX	8K01MB-010
141	001V0683	41	801MS-0100	271	806SL-0180	226	H4	8K09QA-001
141	001V0684	41	801MS-0120	271	806SL-0210	121	KRONO	001U1626ML
141	001V0685	41	801MS-0130	272	806SL-0230	285	RIO System 2.0	8K06SS-001
141	001V0686	33	801MS-0140	271	806SL-0240	119	STYLO	001U8121
141	001V0687	35	801MS-0150	271	806SL-0250	120	STYLO	001U8212
141	001V0688	35	801MS-0160	271	806SL-0260	282	TOP Rolling Code	8K06RV-001
141	001V121	35	801MS-0180	273	806SL-0270	283	TOP Rolling Code	8K06RV-002
141	001V122	35	801MS-0190	281	806SS-0010	284	TOP Fixed Code	001TRA03
141	001V201	35	801MS-0210	281	806SS-0020	148	VER	8K01MV-005
100	002LB18	35	801MS-0230	281	806SS-0030	149	VER	8K01MV-006
70	002LB180	35	801MS-0250	281	806SS-0040	150	VER	8K01MV-007
201	002LB22	45	801MS-0300	281	806SS-0050	151	VER	8K01MV-017
179	002LB38	45	801MS-0310	261	806TF-0030	152	VER	8K01MV-018
187	002LB39	45	801MS-0320	261	806TF-0040	153	VER PLUS	8K01MV-008
77	002LB90	45	801MS-0350	261	806TF-0050	154	VER PLUS	8K01MV-009
219	002LBD2	45	801MS-0360	261	806TF-0060	155	VER PLUS	8K01MV-010
145	002LBEM40	45	801MS-0370	249	806TS-0090			
201	002LM22	35	801MS-0380	249	806TS-0091			
33	002RLB	35	801MS-0390	249	806TS-0092			
36	002RSE	141	801MV-0010	249	806TS-0093			
69	002ZA3P	141	801MV-0020	249	806TS-0094			
219	002ZC3	143	801MV-0050	249	806TS-0095			
219	002ZC3C	143	801MV-0060	249	806TS-0100			
219	002ZCX10	141	801XC-0010	249	806TS-0101			
219	002ZCX10C	87	801XC-0070	249	806TS-0102			
99	002ZL170N	39	801XC-0100	249	806TS-0103			
81	002ZL180	46	801XC-0120	249	806TS-0104			
99	002ZL19N	46	801XC-0130	249	806TS-0105			
201	002ZL22	221	801XC-0150	245	806TS-0110			
73	002ZL60	169	803BB-0070	245	806TS-0111			
69	002ZL65	173	803BB-0120	245	806TS-0112			
219	002ZL80	169	803BB-0330	245	806TS-0113			
219	002ZL80C	170	803XA-0010	245	806TS-0114			
85	002ZL92	170	803XA-0020	245	806TS-0115			
77	002ZLJ14	169	803XA-0030	245	806TS-0120			
69	002ZLJ24	170	803XA-0040	245	806TS-0121			
69	002ZM3E	169	803XA-0050	245	806TS-0122			
217	002ZM3EC	169	803XA-0051	245	806TS-0123			
103	002ZM3EP	173	803XA-0051	245	806TS-0124			
105	002ZM3ES	170	803XA-0070	245	806TS-0125			
220	002ZT5	170	803XA-0080	243	806TS-0230			
220	002ZT5C	173	803XA-0140	243	806TS-0240			
41	002ZT6	170	803XA-0150	243	806XG-0020			
41	002ZT6C	170	803XA-0160	223	809QA-0010			
39	009CCT	173	803XA-0170	295	821TR-0010			
39	009CGIU	170	803XA-0180	293	821XC-0020			
33	009CGZ	170	803XA-0190	275	842EC-0020			
42	009CGZ6	173	803XA-0200	269	8K06SL-004			
33	009CGZP	178	803XA-0220	269	8K06SL-005			
33	009CGZS	179	803XA-0230	245	8K06TS-001			
263	009DOC-S	179	803XA-0240	249	8K06TS-002			
273	009PCT	197	803XA-0250					
279	009RV117H	174	803XA-0260					
279	009RV118A	178	803XC-0010					

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