

GENERAL CATALOGUE 2019

GATES AND GARAGE DOORS
INDUSTRIAL ENTRANCES,
BARRIERS AND PARKING FACILITIES
TURNSTILES

CAME 

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

AUTOMATED OPERATORS

SLIDING GATE OPERATORS



SWING GATE OPERATORS



AUTOMATED OPERATORS FOR SECTIONAL AND GARAGE DOORS



AUTOMATIC STREET BARRIERS



OPERATORS FOR INDUSTRIAL ENTRANCES



AUTOMATED OPERATORS FOR WINDING SHUTTERS



AUTOMATIC TURNSTILES



AUTOMATIC PARKING SYSTEMS



ACCESSORIES



COMPLETE SYSTEMS



GENERAL INDEX AND LEGEND OF SYMBOLS



NEW IN 2019



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



Control board compatible with CAME KEY item 806SA-0110



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



This product can be remotely controlled via CAME Connect cloud technology

2	LEGEND OF SYMBOLS	182	INDUSTRIAL ENTRANCES
20	European Standards	184	Guide to choosing
21	Safety	186	F4000
22	A standard system	188	CBX
23	The solutions	193	ELECTRONIC FUNCTIONS INDUSTRIAL ENTRANCES
24	SLIDING GATE	194	ROLLER SHUTTERS
25	SWING GATE WITH POWER ARM	196	Guide to choosing
26	SWING GATE	198	H4
27	COUNTERBALANCED, PARTIALLY RETRACTING, OVERHEAD GARAGE DOOR	201	ELECTRONIC FUNCTIONS ROLLER SHUTTERS
28	SECTIONAL	202	PARKING GUARD AND CHAIN BARRIER
29	BARRIER	204	Guide to choosing
30	BARRIER	206	UNIPARK
31	CHAIN-DRAWN SLIDING DOOR	208	CAT
32	FOLDING DOOR WITH POWER-DRIVEN TELESCOPIC-ARM	211	ELECTRONIC FUNCTIONS PARKING GUARD AND CHAIN BARRIER
33	SECTIONAL WITH DIRECT DRIVE	212	ACCESSOIRES
34	WINDING SHUTTERS	214	Guide to choosing
35	PARKING GUARD	226	Gateway
36	CHAIN BARRIER	230	SEL Key
37	CHAIN BARRIER WITH TWO-LEVEL PHOTOCELLS	232	SEL Digital
38	GROUND LEVEL PARKING	236	DAD00
39	MULTILEVEL PARKING	238	KIARO
40	COMPLETE SYSTEMS	240	DFWN
42	Guide to choosing	242	RIO System 2.0
66	SLIDING GATES	244	DB
68	Guide to choosing	246	DXR
70	BXL	248	DELTA-DIR
72	BXV	252	TOP - Rolling Code
76	BX	256	TOP - Fixed Code
80	BK	260	ATOMO D
84	BKV	262	TOP 433.92 MHz
88	BY-3500T	264	TOP 868.35 MHz
91	ELECTRONIC FUNCTIONS SLIDING GATES	266	TWIN
92	SWING GATES	268	TURNSTILES
94	Guide to choosing	270	STILE ONE
96	AXL	272	XVIA
98	AXI	274	TWISTER LIGHT
100	AXO	276	TWISTER
102	ATI	278	GUARDIAN
106	KRONO	280	WING
108	STYLO	282	SALOON
110	FTL	284	COMPASS
112	FTX	286	FLAG
116	FAST 70	288	ACCESSOIRES
120	FERNI	294	PARKING SYSTEMS
122	FROG	296	Guide to choosing
126	FROG PLUS	298	PS Token
128	SUPER FROG	304	PS Barcode
132	GARAGE DOORS	310	PS Easy
134	Guide to choosing	312	ANALYTICAL INDEX
136	VER PLUS		
138	VER		
140	EMEGA		
143	ELECTRONIC FUNCTIONS OVERHEAD AND SECTIONAL DOORS		
144	AUTOMATIC STREET-BARRIERS		
146	Guide to choosing		
148	GARD PT Brushless		
152	GARD PX Brushless		
156	GARD		
162	GARD 3250		
164	GARD 5000		
166	GARD 3		
168	GARD 4		
174	GARD 8		
178	GARD 12		
181	ELECTRONIC FUNCTIONS AUTOMATIC STREET-BARRIERS		

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

CAME has nourished people's needs for over 60 years by using technology as a key to a quality life. All our projects and ideas drive our innovation and focus to make people's lives as comfortable as possible. This is where our company's skills and experience come into play. We know how to blend the functionality and design that drives our excellent performance.

It's about knowing that you can count on professionals able to shape our innovations into solutions. It's about customizing proposals for automation and integrating them with the cutting-edge of connectivity and mobile technology. CAME and partners strive together to satisfy our ever-more-demanding and culturally diverse customer-base, with its varying needs for transforming their living space into much more intelligent, and safer homes.



CAME

ALWAYS ONE-STEP-AHEAD

CAME is a market-leading brand that makes integrated automation solutions, video-entry 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

RESIDENTIAL SOLUTIONS



BUSINESS SOLUTIONS



URBAN 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 the entrances and blinds, to control awnings and shutters, plus video intercom-entry systems, CCTV, 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.

URBAN 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.

OUR WORLDWIDE NETWORK.

CAME Group operates the world over.

From its Treviso head office, home to the group's thriving core, CAME coordinates six manufacturing plants and five R&D units. The group has branches in 20 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.

We are 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.

Our Group shares common goals, which go well beyond our respective specializations: thanks to the synergies that exist among all the divisions and brands, we share a modus operandi that enriches our diversity.

BRANCHES IN THE AMERICAS

Brazil
Chile
Mexico
Perù
The USA

1400

OUR COLLABORATORS AROUND THE WORLD



CAME HQ

Treviso, ITALY

BRANCHES IN EUROPE

Italy	Poland
Belgium	Portugal
Croatia	Russia
France	Spain
Germany	The United Kingdom
Ireland	
Netherlands	

5

R&D CENTERS

20

COUNTRIES WITH DIRECT
BRANCHES

118

COUNTRIES WITH PARTNERS
AND DISTRIBUTORS

6

PRODUCTION PLANTS

Dosson di Casier - ITALY
Sesto al Reghena - ITALY
Spilimbergo - ITALY
Hemel Hempstead - UK
Entraigues - France
Barcelona - Spain

BRANCHES IN ASIA

India
The UAE

BRANCHES IN AFRICA

South Africa

TRAINING THAT MAKES A DIFFERENCE.

CAME.COM

Professionals of this trade have a tough job, which always requires upgrading and updating. Technical and product developments are not the only issues, however; you must also be up to date on regulatory standards and customer relations, as the latter are ever more demanding in terms of efficient service.

CAME proposes a series of initiatives geared for spreading knowledge about its products and services to refresh installers 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 gives its own team of trainers, each specialized in certain product lines, to benefit professional contractors. The trainers are also our staff members. They have the know-how and experience to deliver finished projects, plus provide sales and technical assistance. Each course provides the attending industry contractors with all the necessary tools for their job, so they can stay abreast of the latest market developments.

For more info
traininginternational@came.com





TO REGISTER:



Access the specific training page of the **came.com** website



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.

Check the updated calendar for technical training courses and industry standards on the **came.com** site

CAME CONNECT. JUST ONE SYSTEM CONNECTING PEOPLE AND THINGS.



CAME  **NNECT**
CLOUD CONNECTED TECHNOLOGY

The **CAME Connect** web platform lets you connect, control and manage all installed devices over a user-friendly, very secure and highly-reliable connection. **CAME Connect** means that installation contractors will have connectivity to all CAME devices.

Now contractors can directly manage their customers and devices off-site. It's all done over smartphone and specific apps. Professional contractors can count on **CAME Connect** to simplify their work. They can now be proactive in meeting ever-changing customer needs and delivering smarter, more efficient service.



CAME SETUP
For configuring CAME automation systems **(for installers)**



CAME VIDEOENTRY
For managing CAME video entry intercom systems **(for users)**



CAME AUTOMATION
For managing CAME operators **(for users)**



CAME THERMO
For managing CAME heating control systems **(for users)**



QBE SETUP
For configuring Smart Home Connector systems **(for installers)**



CAME DOMOTIC 3.0 SYSTEM
For managing CAME domotic and security systems **(for users)**



CAME QBE
For managing connected Smart Home Connector devices **(for users)**



CAME CONNECT, AN INNOVATIVE TOOL FOR PROFESSIONAL INSTALLERS

With CAME Connect, professional installers can:

- Manage customers through a single web portal and special apps.
- Log, geolocate and map out any installed systems and technologies.
- Run real-time diagnoses and configure all connected devices.
- Find any issues and get real-time assistance requests from users.
- Act quickly and effectively, even off site.
- Switch, new users, on and off, in real time.
- Schedule maintenance jobs and provide ever more tailored, smarter assistance.
- Log onto the platform and freely use the service.



All CAME Connect products bear this distinct marking.



THE BEST ADVICE FOR HAPPY CUSTOMERS.

CAME Connect is the cutting-edge of technological usefulness because it is seamlessly adaptive to the different lifestyles of our end users. Now it's all in their hands, thanks to the special app which provides control of all of a user's connected devices, and sends any alerts and notifications from the system.

A NEW DIMENSION TO HOME CONNECTIVITY: WIRELESS.

QBE is CAME's solution for connecting people with their homes. Through CAME Connect, the QBE Smart Home Connector module talks to all automated devices fitted in a home, over a wireless connection. That means gates and garage doors too. It provides full control over an internet connection and a special app, even when you are off site.

The QBE module lets users manage all their devices directly over a smartphone or tablet by exploiting WiFi technology, with no need for an internet connection.

There are two apps available; one for end users and one for installer contractors.



QBE

SMART HOME CONNECTOR

Simple: place it anywhere the home; it communicates with the automated devices over radio frequencies or WiFi, so no wiring is required.

Effective: pool all the commands to your automated devices and manage them over CAME Connect technology, even when you are off site.

Elegant: looks sleek and essential, and blends into any room decor.



WI-FI

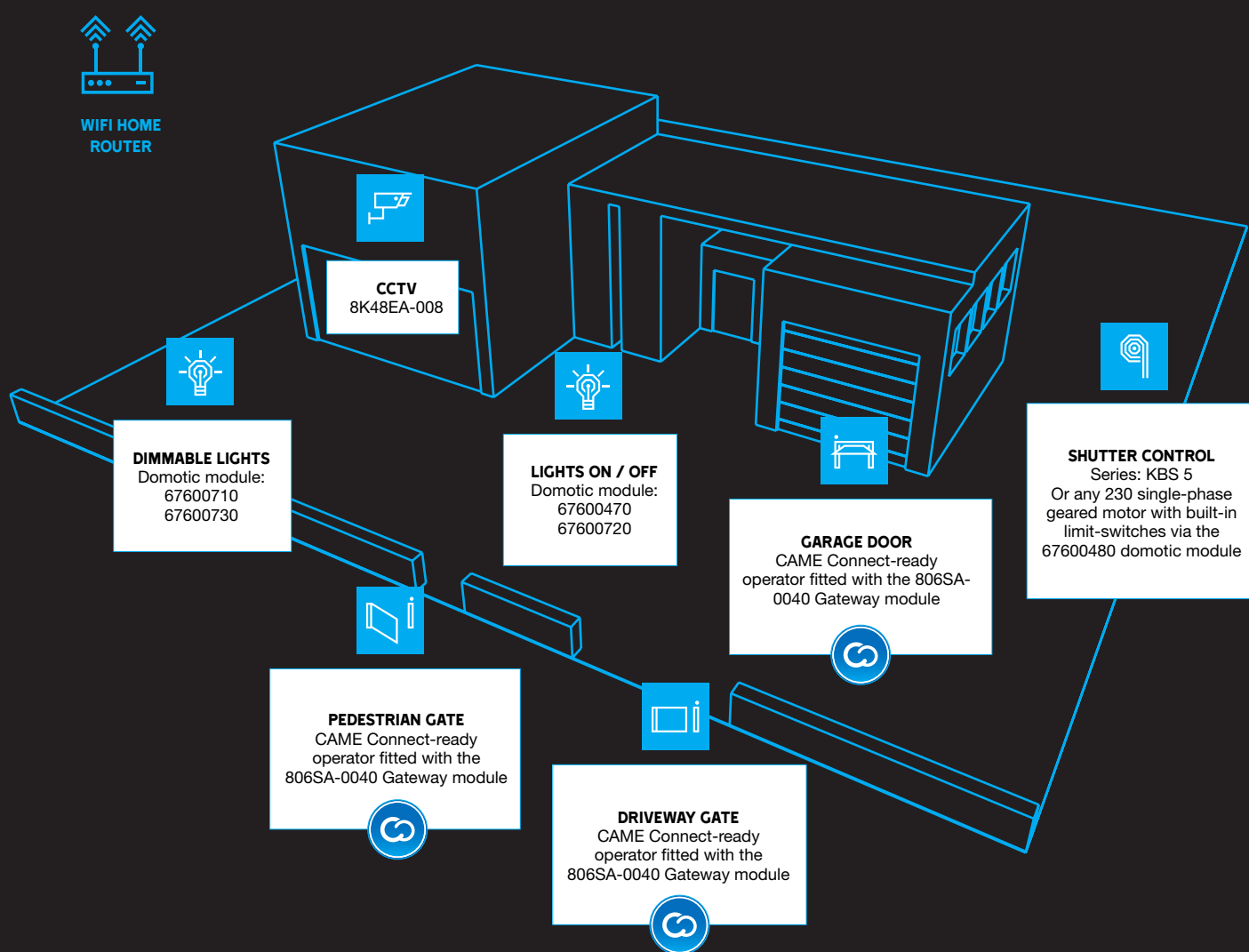


RADIO FREQUENCY

RADIO-FREQUENCY OR
WIFI CONNECTIONS;
DEPENDENT ON THE DEVICE

WITH QBE IT'S ALL UNDER CONTROL

- Versatile, to handle multiple applications.
- Scalable, thanks to its modularity, you can easily add applications at any time.
- Easy to install and needing no masonry work, so ideal for retrofitting.
- Wireless connection to already fitted devices using radio-frequency and WiFi technology.
- Courtesy lighting and LED status lights.
- Compatible, thanks to the specific modules. Also works with competing-brand devices.
- CAME QBE app specially for user and QBE SetUp app for professional installers.
- QBE lets you manage operators in your home even in WiFi mode, without needing an internet connection.



QBE SETUP



CAME QBE

TO ALWAYS STAY CONNECTED TO OUR WORK, EVEN FROM A REMOTE SITE.

Digital innovation is altering the world, our lives and the work of CAME professional installers. CAME Connect solutions use one app to control operators, even when you are off site, for gates, garage doors, barriers and automatic turnstiles.



A GREAT INNOVATION, WITH TWO SOULS.



CAME SETUP
For configuring CAME automation
systems **(for installers)**

With **CAME SETUP** and access to **CAME Connect**, contractors can now do a whole range of tasks that add value to their work:

- Configure systems.
- Check status of systems when off-site.
- Manage customers and schedule maintenance jobs.
- Set up transmitters even when off site.
- Match up to five mobile devices to each user profile.
- Get real-time help requests from customers.
- Set up an ADMINISTRATOR profile to manage multi-user scenarios in apartment buildings, offices, businesses and so on.
- The CAME SetUp App also works when systems are not connected to the internet, by exploiting the CAME KEY device
- There are no hidden costs, and, signing up to the platform and using it is free.



CAME AUTOMATION
For managing CAME
operators **(for users)**

CAME Automation brings end users the utmost simplicity in managing all connected systems. Innovation that translates into benefits.

From today you can:

- Manage any number of automated operators from any remote location.
- Control the opening and closing of your operators.
- Get vital data on the state of operators.

Users handling the ADMINISTRATOR profile may access the **CAME Connect** platform to:

- Assign new user profiles.
- Authorize the contractor to a job off site, securely.



CAME KEY. EVEN SIMPLER INSTALLING.

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 CAME 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.

SET UP OPERATORS VIA THE
WIFI INTERFACE

ITEM: 806SA-0110



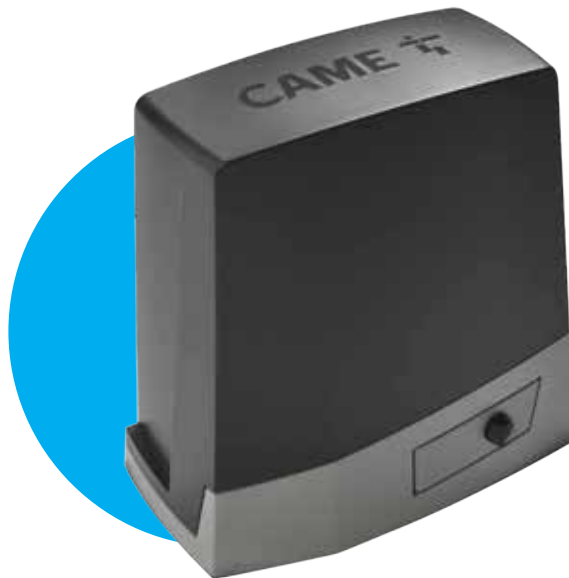
THE BENEFITS

- 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.



All products compatible with
CAME KEY bear this distinct
marking.

SLIDING GATE OPERATORS



CAME.COM

BKV

THE CONNECTED OPERATOR FOR SLIDING GATES AT INDUSTRIAL SITES AND APARTMENT BUILDINGS

This is CAME's first operator featuring **Adaptive Torque Technology**, the most advanced solution in powering large sliding gates in any climate; even in intensive duty conditions.

BKV is the latest series of 36 V DC operators that uses CAME Connect technology to connect to the web.



OUR TECHNOLOGIES



THE BENEFITS

- The BKV range with its Adaptive Torque Technology brings smoother leaf-movement - in any climate conditions, plus constant speed, during the openings and closings, according to the standards used as parameters when installing.
- It uses CAME Connect to manage operators by an app from any remote location.
- It can run the CAME KEY WiFi interface to manage and set up operators by smartphone or other mobile device.
- Built-in control board with graphical display and memory roll for easier programming and testing.
- It saves up to 250 users.
- New release system that is quick and easy to use.
- Four, configurable safety inputs for directly managing (8k2Ω) resistive sensitive safety-edges.
- Plug in connectors for the RIOCN8WS, R700, R800, RSE cards and AF receivers.
- Onboard Rolling Code and Key Code decoding.
- Available with module 4 or 6 pinion.



STREET BARRIERS



CAME.COM

GARD PT

BRUSHLESS

THE AUTOMATIC BARRIER FOR CONTINUOUS DUTY

GARD PT is the automatic road barrier designed to withstand continuous duty cycles.

It serves passage clearances of up to 3.8 m and therefore it is ideal for quick transiting and parking areas.



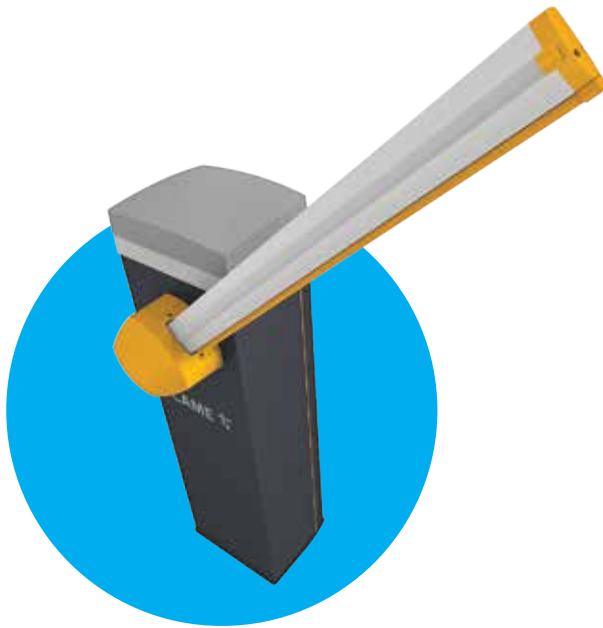
OUR TECHNOLOGIES



THE BENEFITS

- The brushless motor makes it extremely silent and highly performing.
- Control board with display; uses the CAME Connect platform and the app to manage operators when users are off site.
- It also works with the WiFi CAME KEY interface to manage and set up operators by smartphone or other mobile device.
- It is designed to be elegantly rugged and fit into any context.
- The luminous crown of LEDs doubles as a high visibility red/green stop/go function
- Epoxy powder painted cabinet made of extruded aluminum.
- Boom with shock-proof edge and red/green LED lights (for the stop/go function).
- Key protected release system.
- It can fit either the fall away or jointed arm boom.

STREET BARRIERS



CAME.COM

GARD PX

BRUSHLESS

THE AUTOMATIC BARRIER FOR CONTINUOUS DUTY

GARD PX is the automatic road barrier made to withstand continuous duty cycles. With a lateral clearance of 3.8 m, it is ideal for high-traffic parking facilities and shopping malls. GARD PX is designed and tested to withstand 5 million (*MCBF) operating cycles.



**5 MILLION
CYCLES
*MCBF**

OUR TECHNOLOGIES



THE BENEFITS

- The brushless motor makes it extremely silent and highly performing.
- Control board with graphical display, set up to manage operators from any remote location via app and the CAME Connect platform.
- It also works with the WiFi CAME KEY interface to manage and set up operators by smartphone or other mobile device.
- It is designed to be elegantly rugged and fit into any context.
- The luminous crown of LEDs doubles as a high visibility red/green stop/go function
- Switching type 120 - 230 V AC power driver makes for increased energy savings during stand-by mode.
- Epoxy-powder painted and galvanized steel cabinet.
- Boom with shock-proof edge and red/green LED lights (for the stop/go function).
- It fits the heater kit (for temperatures below -40° C).
- Key-protected, built-in release system.
- It can fit either the fall away or jointed arm boom.

*MCBF: Mean cycle between failures

ACCESSORIES

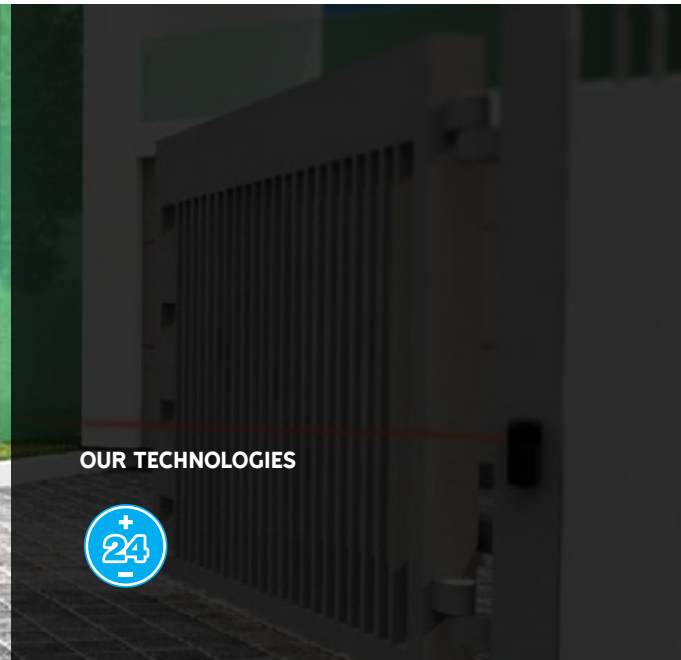


CAME.COM

DXR

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.



OUR TECHNOLOGIES



THE BENEFITS

- Infrared beam that swivels up to 180° on its vertical axis.
- It can synchronize up to eight pairs of photocells, with no wiring between the transmitter and receiver.
- Infrared beam range adjustment.
- Filter function to prevent false detections due to rain, snow and sunlight.
- Selectable NO - NC contact output to turn the photocell into a control device.
- Compatible with all types of DIR series posts.
- Also available with aluminum alloy casing.
- Small with modern design.

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 CONTROL 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 CONTROL			
	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.



A standard system

CONFORMITY TO EUROPEAN STANDARDS EN 12453 - EN 12445



SYSTEM IN PUBLIC AREA

The system is on a public area or bordering with a public area.

Example:

A private gate that opens onto a street or sidewalk.



TRAINED USER

The system is activated only by users that have been instructed on how the system works.

Example:

system owner or manager.



SYSTEM WITH RADIO CONTROL

The system is radio controlled via transmitters.

Example:

sending impulses without controlling the system even from a fixed station.



EN TESTED:
value added by CAME

By using EN TESTED gearmotors and control panels you won't have to install any sensitive safety-edges. You will still have to measure the impact forces being generated, that must comply with the parameters established by the reference standards.

SYSTEM SAFETY



SENSITIVE SAFETY-EDGES

Thanks to their specially-designed internal mechanism, CAME sensitive safety-edges deform completely along their entire length and have no rigid parts. This feature is a guarantee of safety for users when they accidentally come into contact with the gate.



INFRARED BEAM PHOTOCELLS

A vast range of devices, for surface or recess mounting, with synchronized infrared beam and even wireless technology, all give users the peace of mind that comes with always using their operators, while preventing any interferences of the gate-leaf's movement.



FLASHING LIGHT

Came also suggests installing a flashing signal light when mechanical parts are moving.

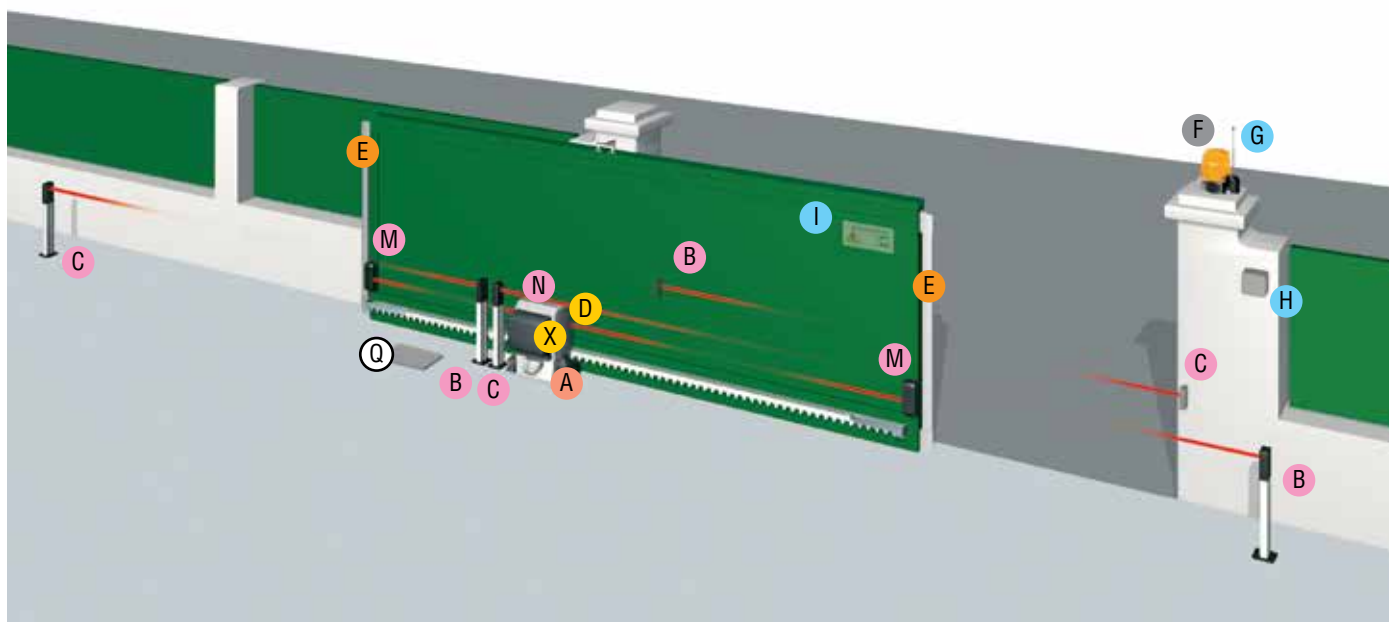
The new DADOO series, features two models, one with amber and the other with azure light, with universal power supply at either 120 - 230 V AC or 24 V AC - DC.

Even the KIARO series has been overhauled with the new LED versions to improve efficiency and energy savings.



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.



COMPONENTS

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

NOTES:

The control panel and radio-frequency control card are built into the operator (excluding: 001BK-2200T and BY-3500T)

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.



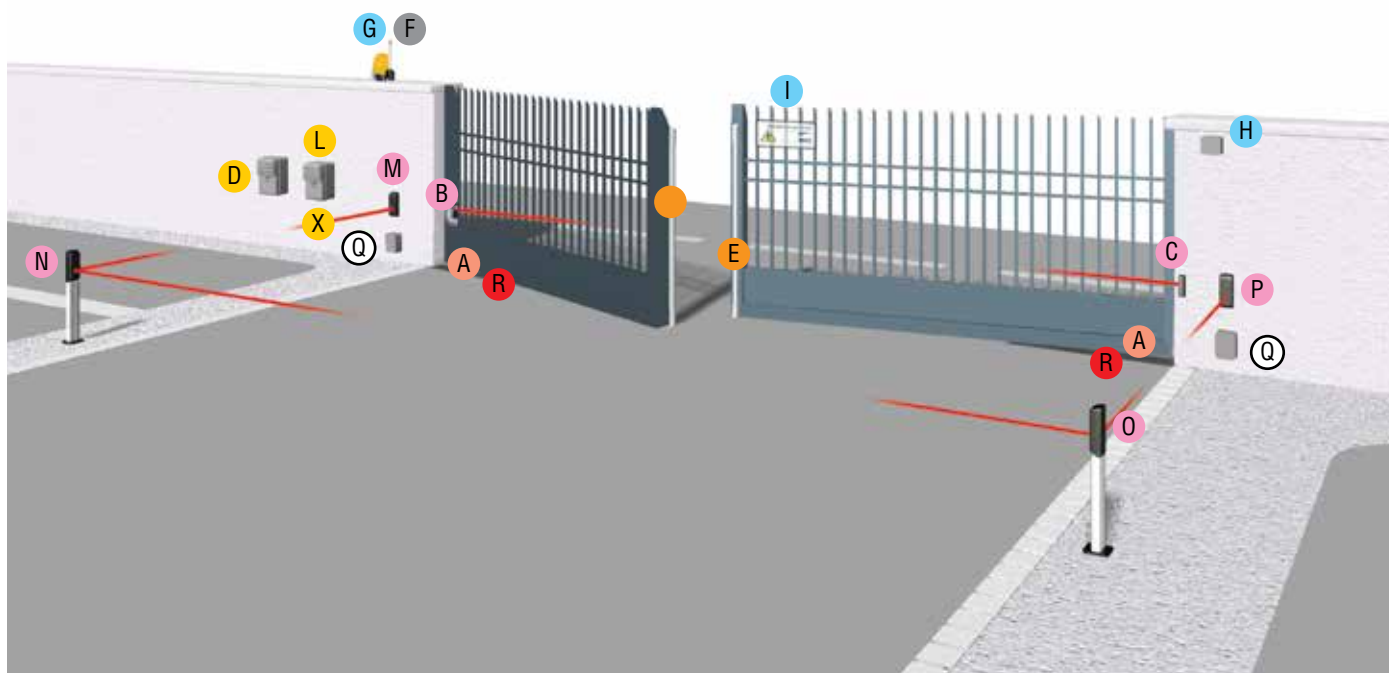
COMPONENTS

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

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.



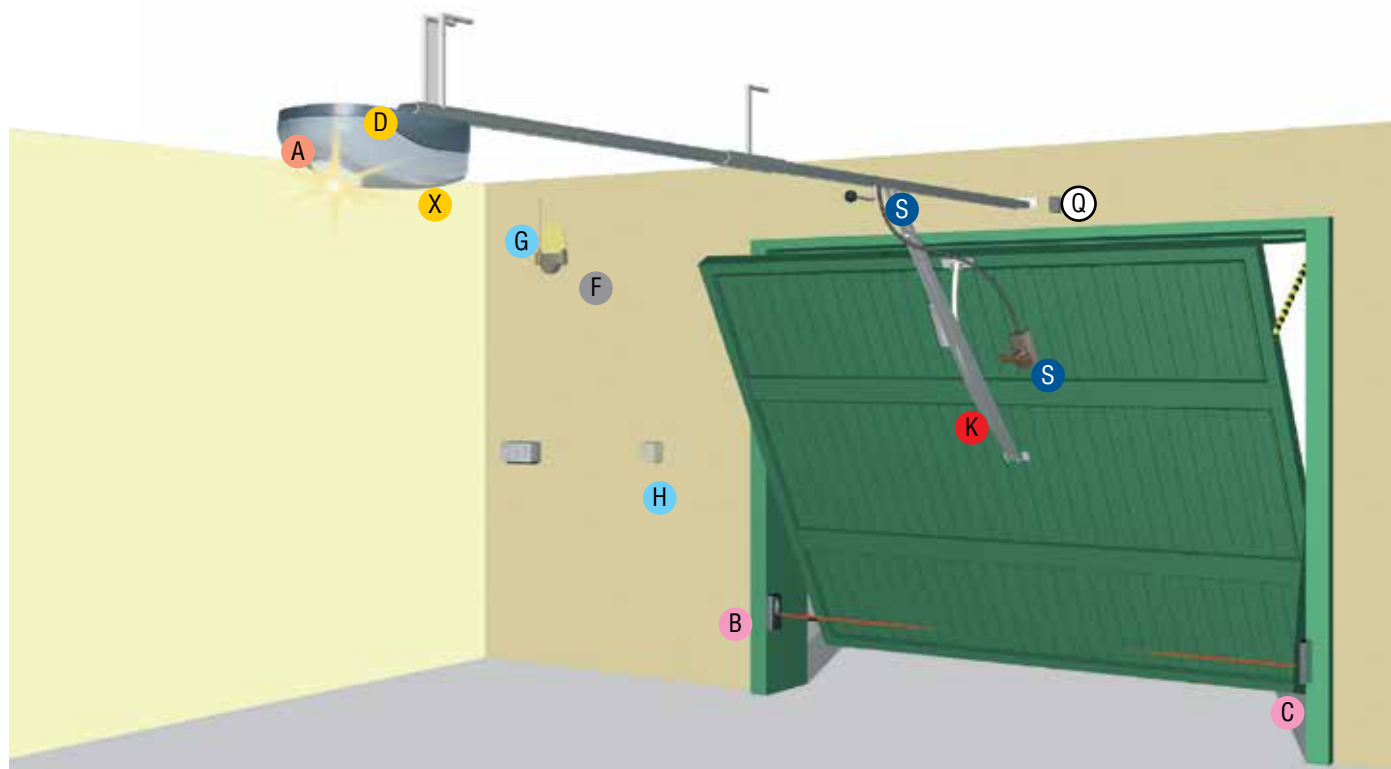
COMPONENTS

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



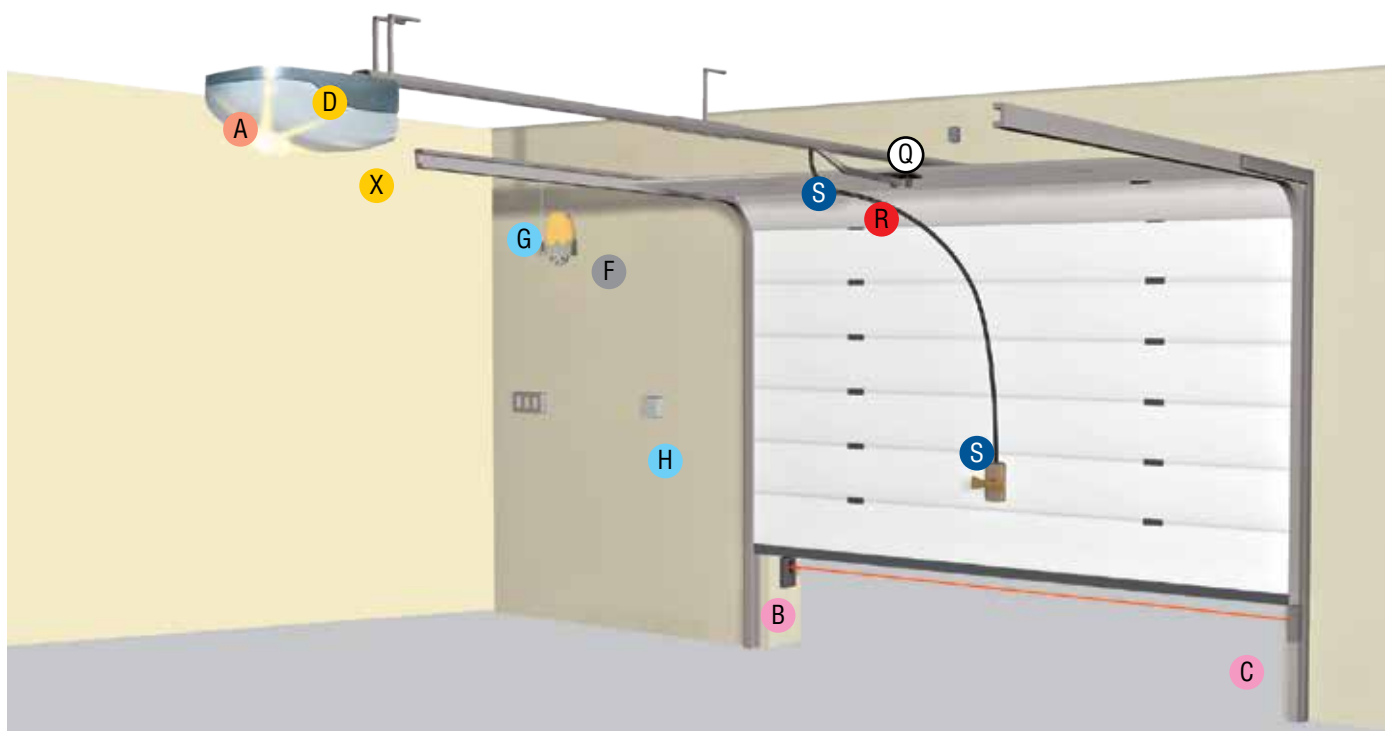
COMPONENTS

- 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
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.



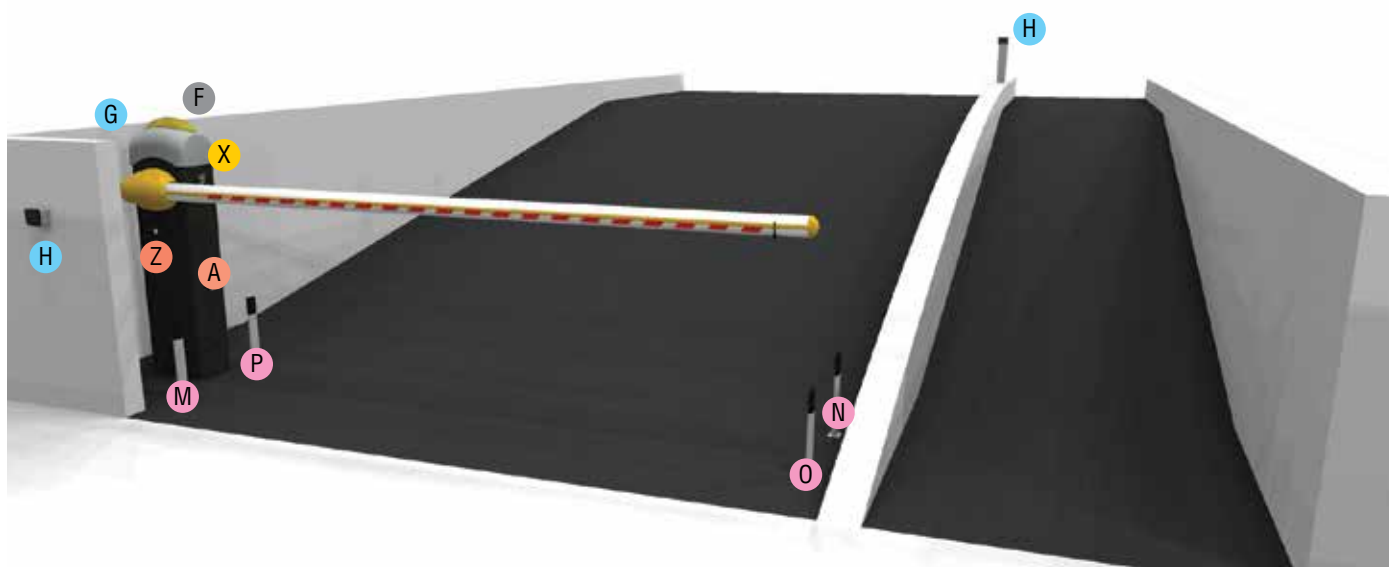
COMPONENTS

- A** 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.



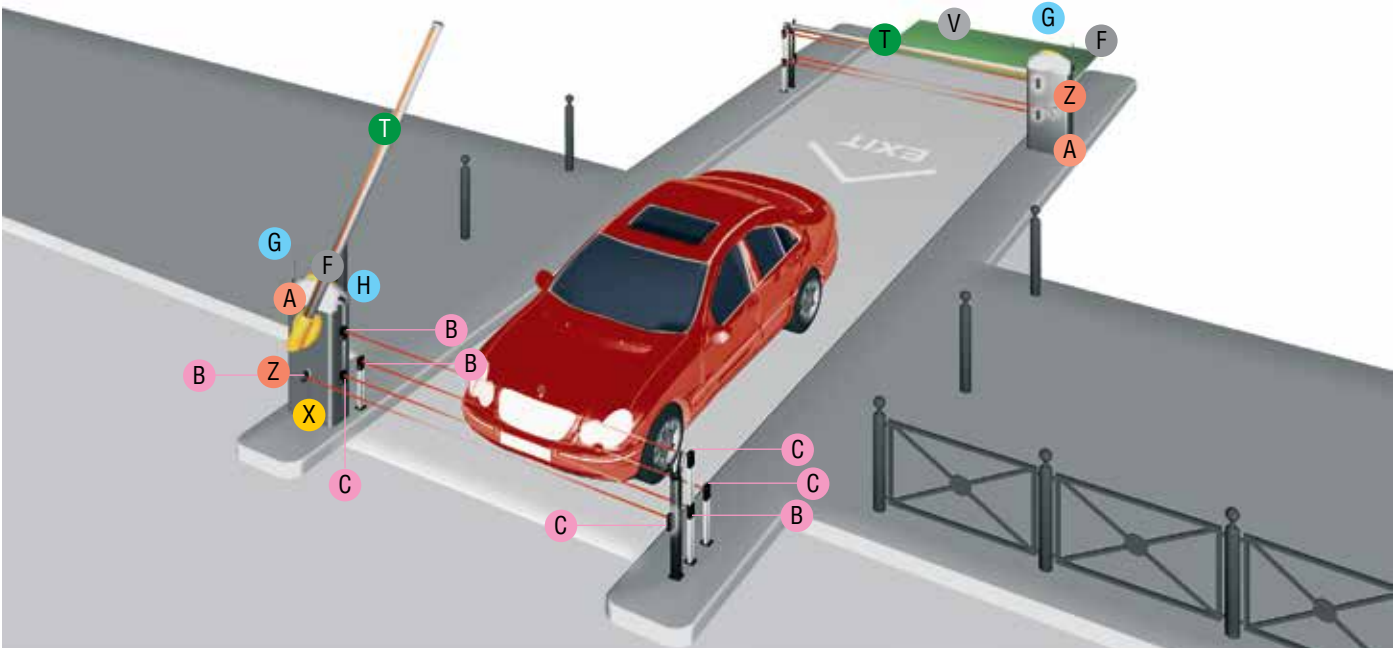
COMPONENTS

- | | |
|--|-------------------------------|
| A Barrier | M TX Photocells |
| F Flashing light | N TX Photocells |
| G Antenna | O RX Photocells |
| H Control switch | P RX Photocells |
| (Key – Code – Card or transponder fob) | 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

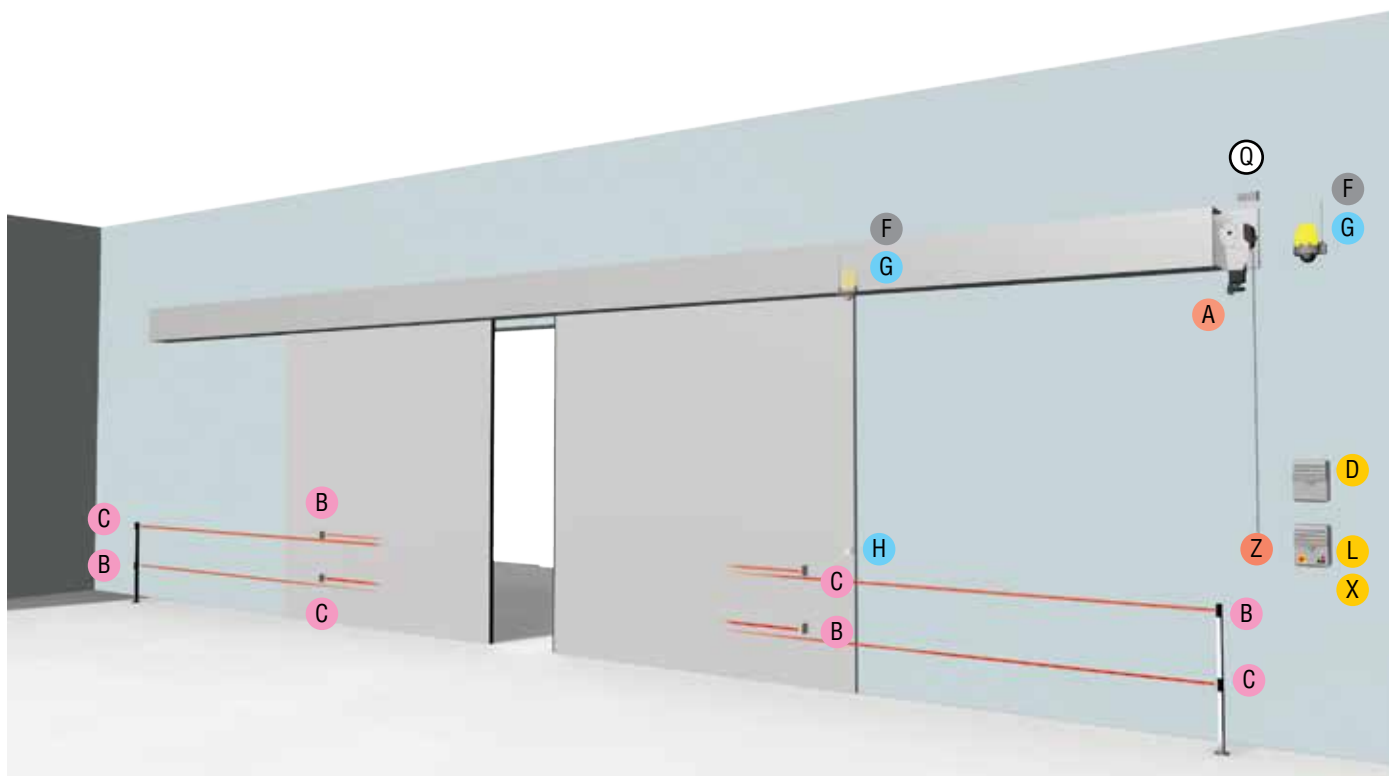
 Metal mass detector sensor
- Z

 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** 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.

FOLDING DOOR WITH POWER-DRIVEN TELESCOPIC-ARM



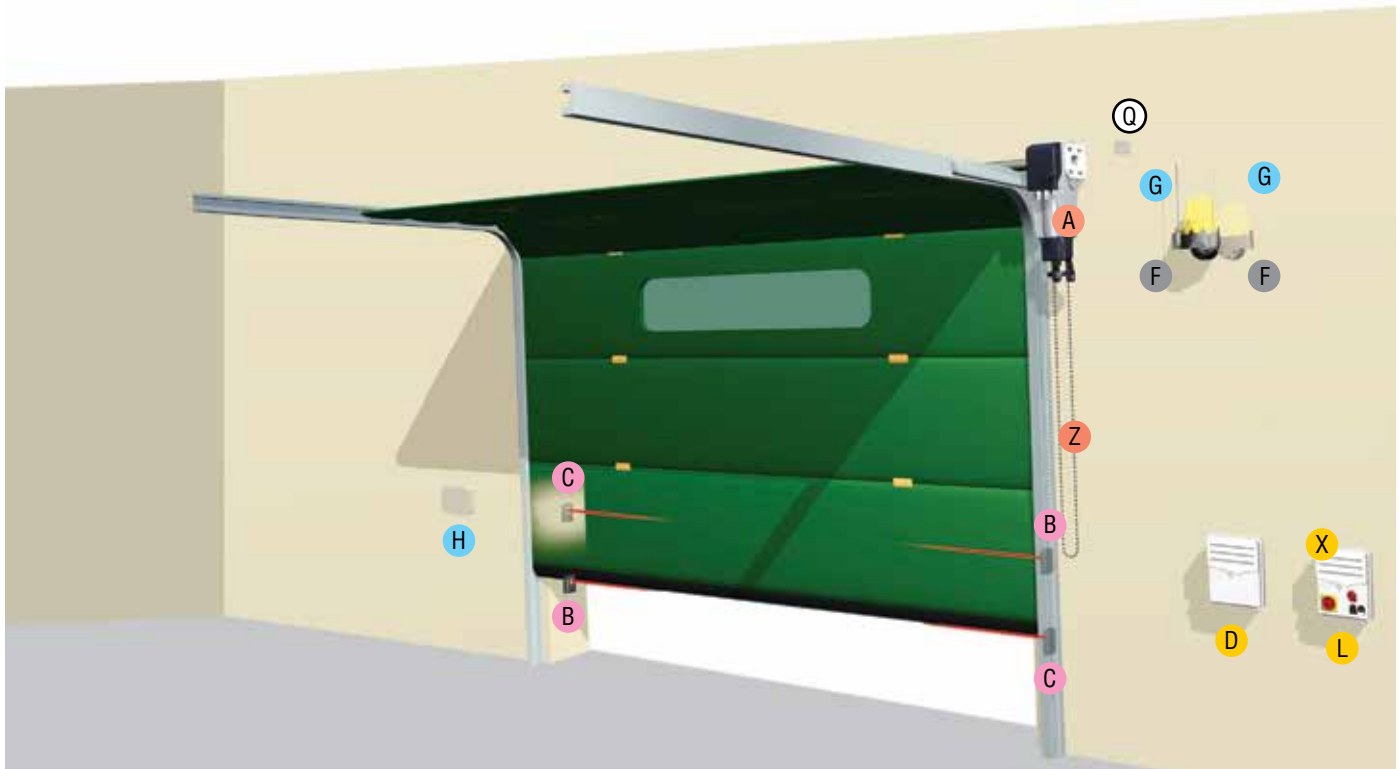
COMPONENTS

- 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.



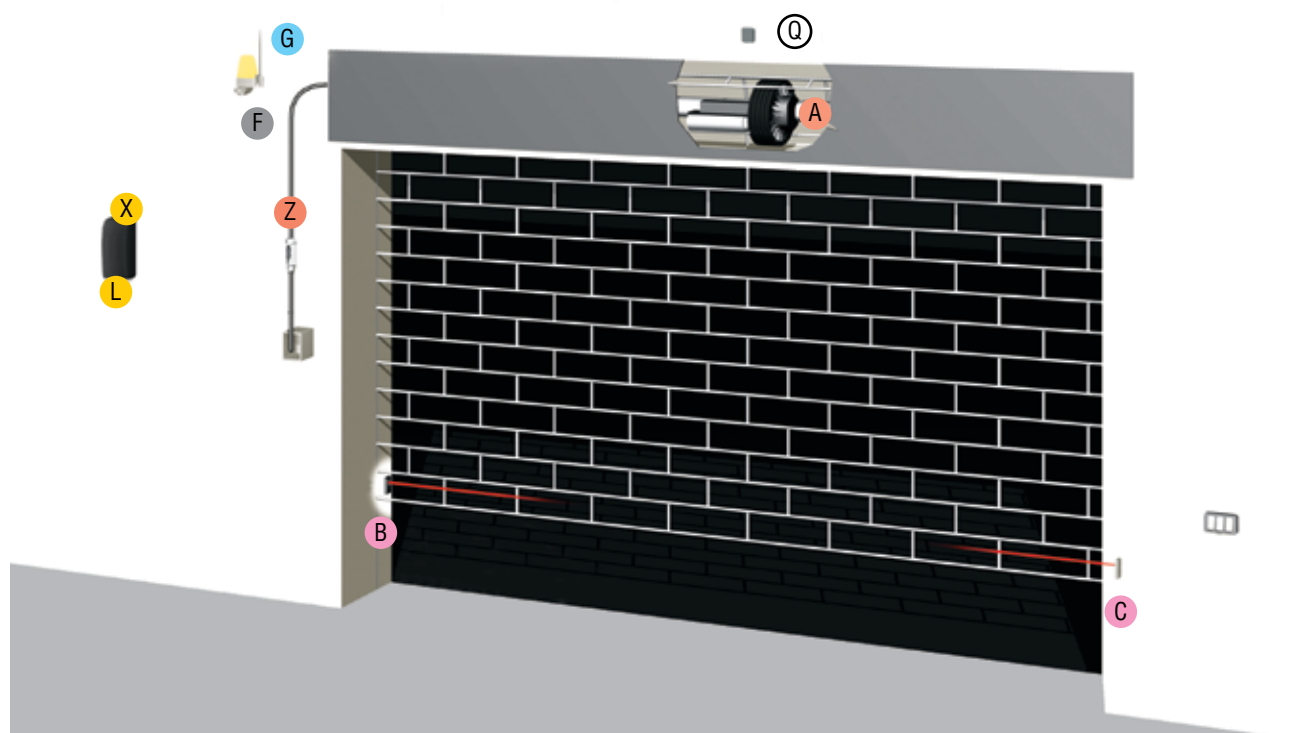
COMPONENTS

- 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.



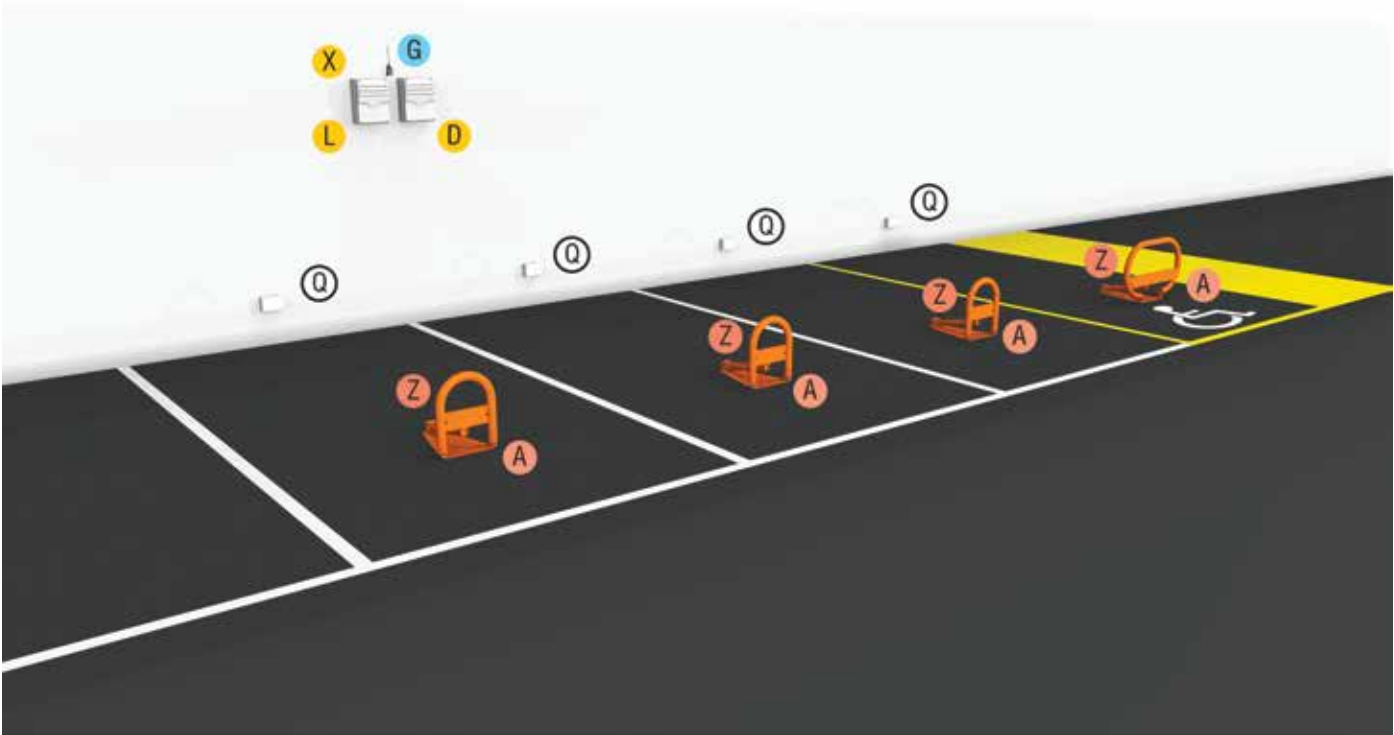
COMPONENTS

- 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.



COMPONENTS

- A

 Gearmotors
- D

 Control card for operating during power outages
- G

 Antenna
- L

 Control panel
- Q

 Junction box
- X

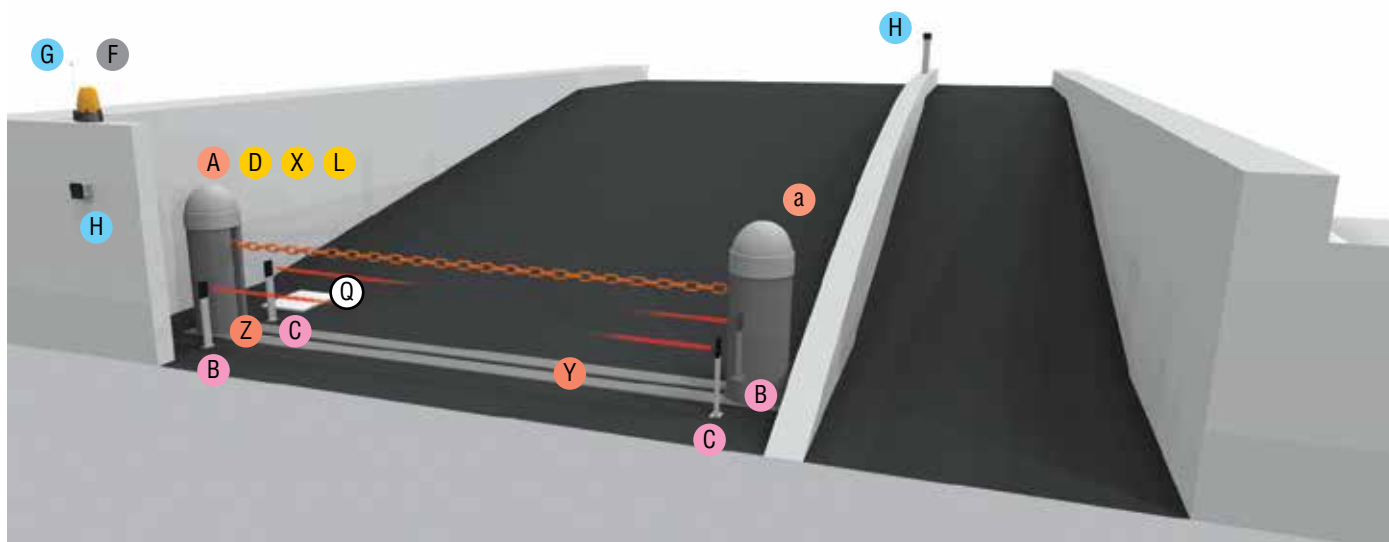
 Radio frequency card
- Z

 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.



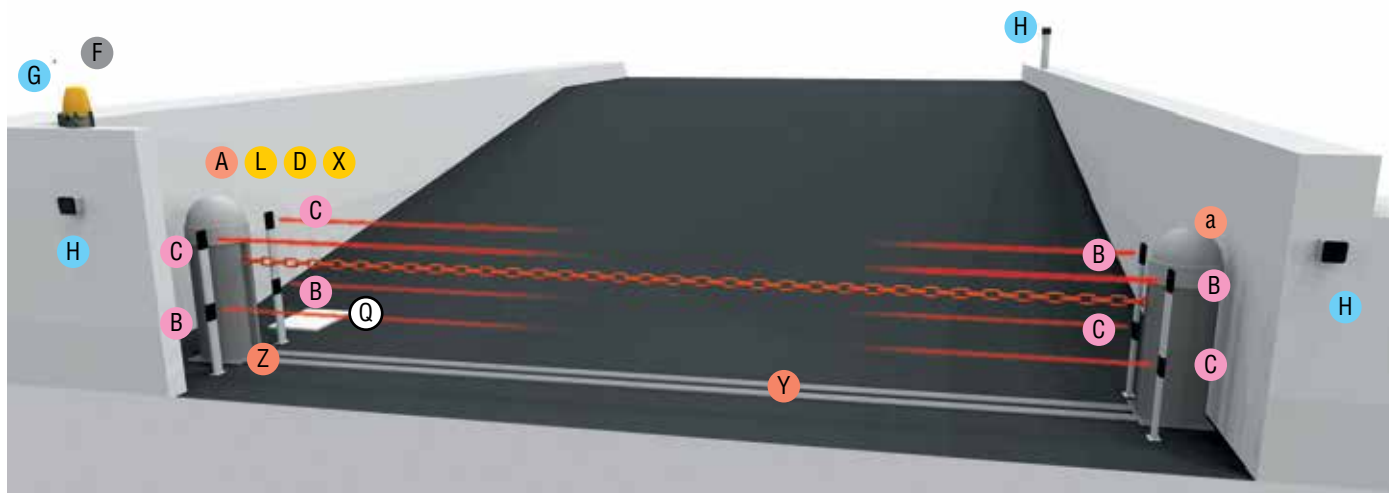
COMPONENTS

- 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.



COMPONENTS

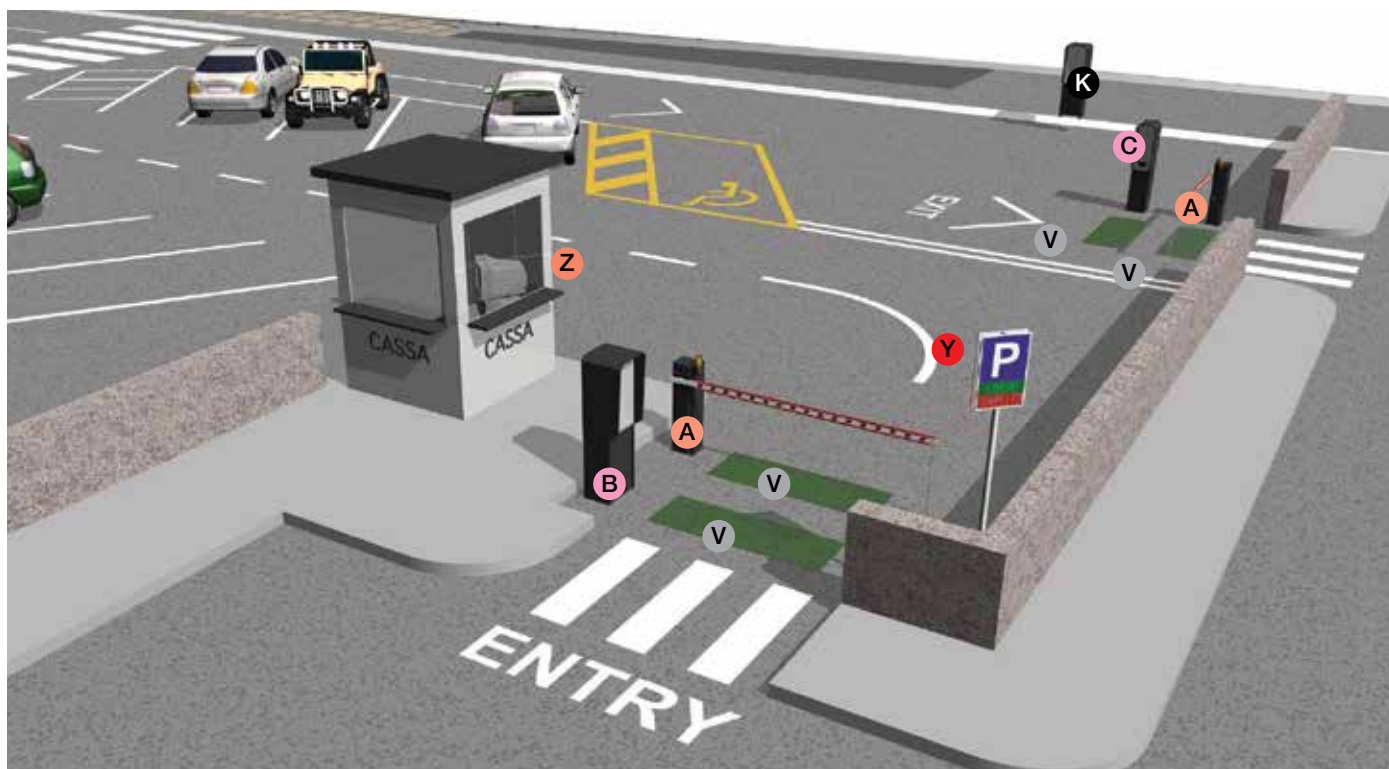
- | | |
|--|---|
| A Post with gearmotor | H Control switch
(Key – Code – Card or transponder fob) |
| a Post with counter-weight and chain latch | L Control panel |
| B TX Photocells | Q Junction box |
| C RX Photocells | X Radio frequency card |
| D Control card for operating during power outages |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

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.

GROUND LEVEL PARKING



COMPONENTS

- A** Street barriers
- K** Automatic pay-station
- V** Magnetic sensor for detecting metal masses
- B** Entry unit
- C** Exit unit
- Y** Light box or stop-go light
- Z** Manual Pay-Station

NOTES:

For the safety devices, please see the STREET BARRIERS sections in the GATES catalog.

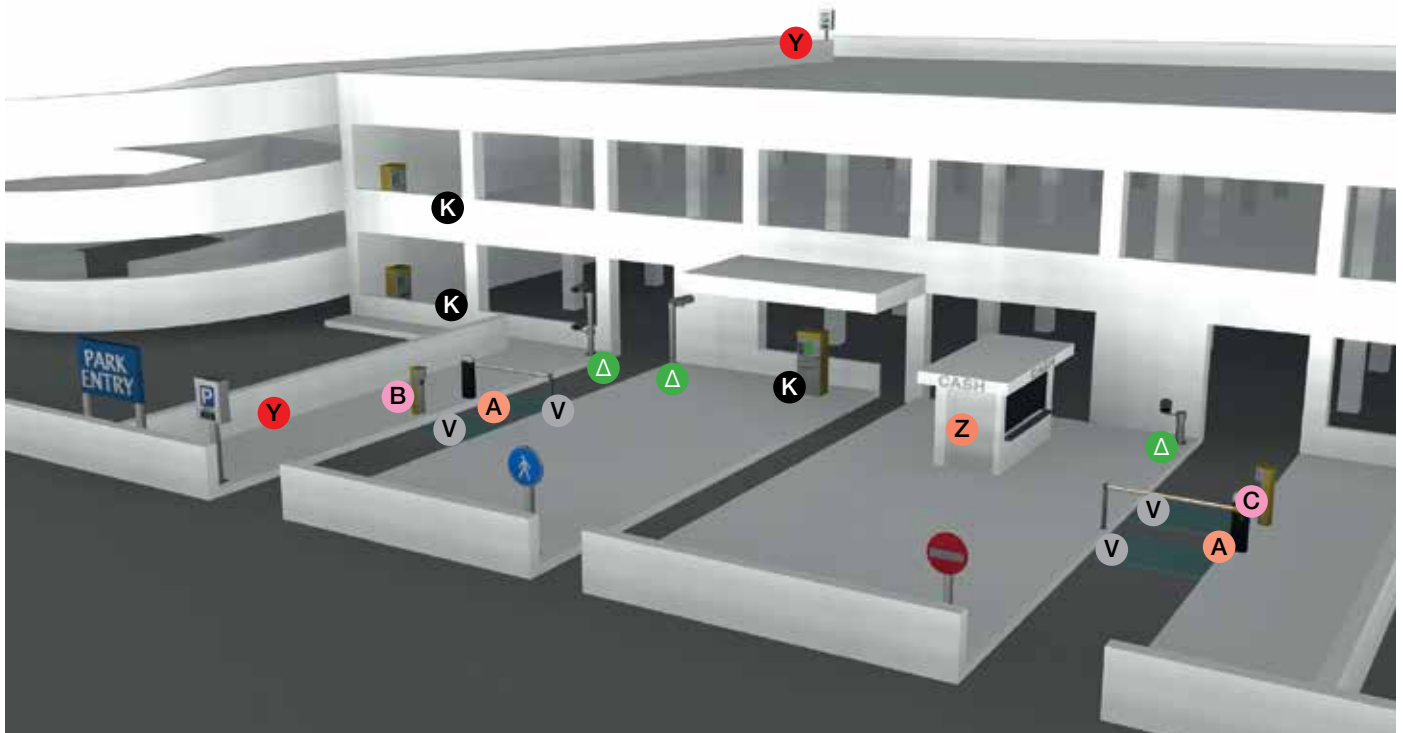
This type of installation is a mere example for showing the main components featured in a standard system.

Each project must carefully weigh the specific needs of each site.

CABLES FOR STANDARD INSTALLATIONS

Cable length (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	*n. x 0.5 mm ²	*n. x 0.5 mm ²	*n. x 0.5 mm ²
24 V AC - DC 25 W Flashing light	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
230 V AC 25 W Flashing light	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	*n. x 0.5 mm ²	*n. x 0.5 mm ²	*n. 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** Street barriers
- K** Automatic pay-station
- V** Magnetic sensor for detecting metal masses
- B** Entry unit
- C** Exit unit
- Y** Light box or stop-go light
- Z** Manual Pay-Station
- Δ** Video camera

NOTES:

For the safety devices, please see the STREET BARRIERS sections in the GATES catalog.

This type of installation is a mere example for showing the main components featured in a standard system.

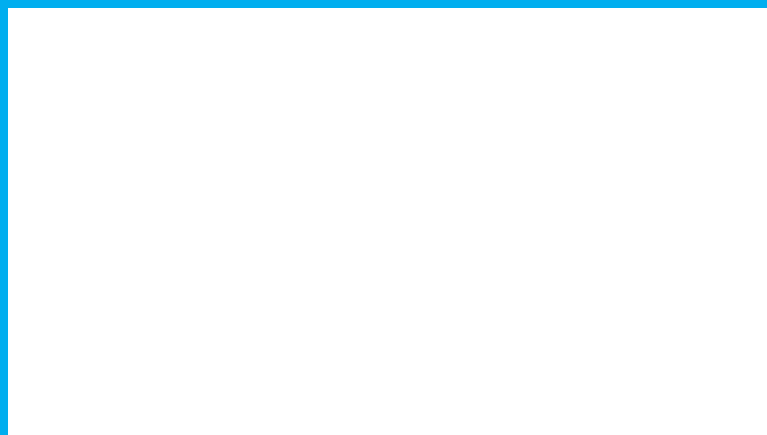
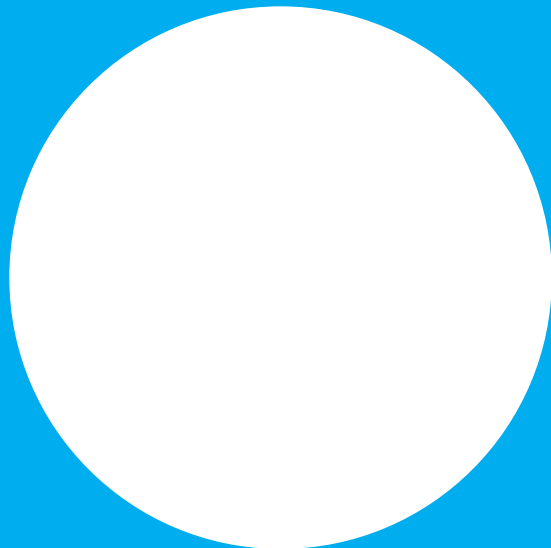
Each project must carefully weigh the specific needs of each site.

CABLES FOR STANDARD INSTALLATIONS

Cable length (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	*n. x 0.5 mm ²	*n. x 0.5 mm ²	*n. x 0.5 mm ²
24 V AC - DC 25 W Flashing light	2 x 1 mm ²	2 x 1 mm ²	2 x 1 mm ²
230 V AC 25 W Flashing light	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	*n. x 0.5 mm ²	*n. x 0.5 mm ²	*n. 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.

COMPLETE SYSTEMS



CAME.COM




42	Guide to choosing
44	8K01MS-015 - BXL
45	8K01MS-003 - BXV
45	8K01MS-004 - BXV
46	001U2914ML - BX
46	001U2303ML - BX
47	8K01MP-016 - AXL
48	8K01MP-012 - AXI
48	8K01MP-006 - AXI
49	8K01MB-007 - FTL
50	8K01MB-006 - FTX
50	8K01MB-010 - FTX
51	001U1855 - FAST 70
51	001U1872 - FAST 70
52	8K01MB-008 - FAST 70
53	001U8121 - STYLO
53	001U8212 - STYLO
54	001U1626ML - KRONO
55	001U7337ML - AXO
55	001U7315ML - AXO
56	001U7013ML - ATI
56	001U7117ML - ATI
57	001U1901ML - FROG
57	001U1991ML - FROG
58	001U1274 - FERNI
58	001U1275 - FERNI
59	8K01MV-005 - VER
59	8K01MV-006 - VER
59	8K01MV-007 - VER
60	8K01MV-017 - VER
60	8K01MV-018 - VER
61	8K01MV-008 - VER PLUS
61	8K01MV-009 - VER PLUS
62	8K01MV-010 - VER PLUS
63	001TRA03 - TOP Fixed Code
63	8K06RV-001 - TOP Rolling Code
64	8K06RV-002 - TOP Rolling Code
64	8K09QA-001 - H4
64	8K06SS-001 - RIO System 2.0

Guide to choosing

Operators for sliding and swing gates and garage doors

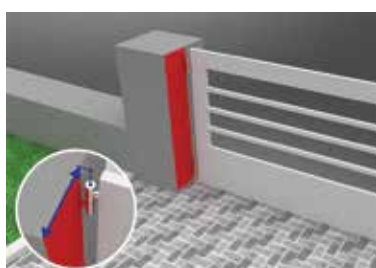
The table sums up the series and models along with their respective operating limits.

SLIDING GATES						
Series - Kit code	Item	Max weight per leaf (kg) / Max length per leaf (m)	Transmitter	RF	433	EN TESTED
BXL - 8K01MS-015	801MS-0140	400 / 10	1 x 806TS-0111	NO	NO	YES
BXV - 8K01MS-003	801MS-0150	400 / 10	2 x 806TS-0121	YES	YES	YES
BX - 001U2914ML	801MS-0020	400 / 10	1 x 806TS-0121	YES	YES	YES
BXV - 8K01MS-004	801MS-0180	600 / 18	2 x 806TS-0121	YES	YES	YES
BX - 001U2303ML	801MS-0030	400 / 10	1 x 806TS-0121	YES	YES	NO

SWING GATES								
Series - Kit code	Item	Max length per leaf (m) / Max weight per leaf (kg)	Gate leaves	Transmitter				Max. C-distance (mm)
STYLO - 001U8121	001STYLO-ME	1.8 / 100	2	1 x 806TS-0102	NO	NO	YES	150
STYLO - 001U8212	001STYLO-RME	1.8 / 100	2	1 x 806TS-0102	NO	NO	YES	150
AXL - 8K01MP-016	801MP-0020	2 / 250	2	1 x 806TS-0111	NO	NO	YES	60
FTL - 8K01MB-007	801MB-0050 + 801MB-0080	2 / 400	2	1 x 806TS-0111	NO	NO	YES	150
FTX - 8K01MB-006	801MB-0050 + 801MB-0070	2 / 400	2	2 x 806TS-0121	YES	YES	YES	150
FTX - 8K01MB-010	801MB-0110 + 801MB-0120	2 / 400	2	2 x 806TS-0121	YES	YES	YES	250
AXI - 8K01MP-012	801MP-0030	2 / 250	2	2 x 806TS-0121	YES	YES	YES	60
FAST 70 - 001U1855	001FA7024CB + 001FA7024	2.3 / 200	2	2 x 806TS-0121	YES	NO	YES	200
FAST 70 - 8K01MB-008	801MB-0090 + 801MB-0100	2.3 / 200	2	2 x 806TS-0121	YES	YES	YES	300
FAST 70 - 001U1872	001FA70230CB + 001FA70230	2.3 / 200	2	1 x 806TS-0102	NO	NO	NO	200
AXI - 8K01MP-006	801MP-0040	2.5 / 300	2	2 x 806TS-0121	YES	YES	YES	60
KRONO - 001U1626ML	001KR300D + 001KR300S	3 / 400	2	1 x 806TS-0102	NO	NO	NO	60
ATI - 001U7013ML	001A3000	3 / 400	2	1 x 806TS-0102	NO	NO	NO	60
ATI - 001U7117ML	001A3024N	3 / 400	2	1 x 806TS-0102	NO	NO	YES	60
AXO - 001U7337ML	001AX302304	3 / 500	2	1 x 806TS-0121	NO	YES	YES	60
AXO - 001U7315ML	001AX3024	3 / 500	2	1 x 806TS-0121	NO	YES	YES	60
FROG - 001U1901ML	001FROG-A	3.5 / 400	2	1 x 806TS-0102	NO	NO	NO	-
FROG - 001U1991ML	001FROG-A24	3.5 / 400	2	1 x 806TS-0102	NO	NO	YES	-
FERNI - 001U1274	001FE40230	4 / 400	2	1 x 806TS-0121	NO	YES	YES	380
FERNI - 001U1275	001FE4024	4 / 400	2	1 x 806TS-0121	NO	YES	YES	380

OVERHEAD GARAGE AND SECTIONAL						
Series - Kit code	Item	Traction force (N) / Door's max. surface (m²)	Transmitter	RF	433	EN TESTED
VER - 8K01MV-005	801MV-0050	600 / 9	1 x 806TS-0121	NO	NO	YES
VER - 8K01MV-006	801MV-0050	600 / 9	1 x 806TS-0121	NO	NO	YES
VER - 8K01MV-007	801MV-0050	600 / 9	1 x 806TS-0121	NO	NO	YES
VER - 8K01MV-017	801MV-0060	800 / 12	1 x 806TS-0121	NO	NO	YES
VER - 8K01MV-018	801MV-0060	800 / 12	1 x 806TS-0121	NO	NO	YES
VER PLUS - 8K01MV-008	801MV-0010	1000 / 18	1 x 806TS-0121	YES	YES	YES
VER PLUS - 8K01MV-010	801MV-0010	1000 / 18	1 x 806TS-0121	YES	YES	YES
VER PLUS - 8K01MV-009	801MV-0020	1300 / 21	1 x 806TS-0121	YES	YES	YES

● 230 V AC ● 24 V DC



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.



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.



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.



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.



SECTIONAL DOOR

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



THE OPERATOR PLATE

As required, each kit comes with a standard plate that must be filled in by the installer and firmly affixed to the gate or door leaf.



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



8K01MS-003









BXV

801MS-0150 - 24 V DC

Sliding gates up to **400 kg** - Max. leaf length **14 m**



CAME

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
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 KLED24 	LED flashing light signaller	1
001 DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KIAROS	Wall-fastening base.	1











8K01MS-004

BXV

801MS-0180 - 24 V DC

Sliding gates up to **600 kg** - Max. 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
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 KLED24 	LED flashing light signaller	1
001 DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001 KIAROS	Wall-fastening base.	1








001U2914ML

BX

801MS-0020 - 230 V AC

Sliding gates up to 400 kg - max. length per leaf = 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







001U2303ML

BX

801MS-0030 - 230 V AC

Sliding gates up to 800 kg - Max. 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









801MP-0020 - 24 V DC

Swing gates up to **250 kg** - Maximum leaf length **2 m**



Code	Description	Quantity
801MP-0020 	AXL20DGS - Irreversible gearmotor with encoder for swing gates with leaves up to 2 m long. RAL7024-grey color.	2
002ZL60 	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
001AF43S	Plug-in radio-frequency control card	1
001DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001KLED24 	LED flashing light signaller	1












8K01MP-012

AXI

801MP-0030 - 24 V DC

Swing gates up to 250 kg - Max. leaf length 2 m



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
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
001KLED24 	LED flashing light signaller	1
001DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001KIAROS	Wall-fastening base.	1












8K01MP-006

AXI

801MP-0040 - 24 V DC

Swing gates up to 300 kg - Max. leaf length 2.5 m



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
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
001KLED24 	LED flashing light signaller	1
001DIR10 	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001KIAROS	Wall-fastening base.	1





801MB-0080 - 24 V DC

Swing gates up to **400 kg** - Maximum leaf length **2 m**



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














8K01MB-006

FTX

801MB-0070 + 801MB-0050 - 24 V DC

Swing gates up to 400 kg - Max. leaf length 2 m - C max. 150 mm



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














8K01MB-010

FTX

801MB-0110 + 801MB-0120 - 24 V DC

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



001U1855

FAST 70

001FA7024CB + 001FA4024 - 24 V DC

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



CAME

Code	Description	Quantity
001FA7024CB	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
001FA7024	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
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
001TOP-A433N	Tuned antenna.	1
001DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001KLED24	LED flashing light signaller	1
001KIAROS	Wall-fastening base.	1



001U1872

FAST 70

001FA70230CB + 001FA70230 - 230 V AC

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



Code	Description	Quantity
001FA70230CB	Irreversible operator with control board and jointed transmission-arm for swing gates with each leaf up to 2.3 m long.	1
001FA70230	Irreversible gearmotor with folding drive arm for swing gates measuring up to 2.3 m per leaf.	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
001AF43S	Plug-in radio-frequency control card	1
001DIR10	Pair of 12 - 24 V AC - DC outdoor photocells – range 10 m.	1
001KLED	LED flashing light signaller	1
001KIAROS	Wall-fastening base.	1














8K01MB-008

FAST 70

801MB-0090 + 801MB-0100 - 24 V DC

Gates with two swing-leaves up to **2.3 m per leaf** - Maximum leaf weight **200 kg**
C max. **300 mm**










Code	Description	Quantity
801MB-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.	1
801MB-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.	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 TOP-A433N	Tuned antenna.	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










001FA7024CB - 001FA7024 - These are supplied without the hinged transmission arm.
433.93 Mhz radio system
Complete kit for gate plate.

001U8121**STYLO****001STYLO-ME - 24 V DC**Swing gates with two leaves measuring max. **1.8 m** per leaf - Max. weight of leaf **100 kg****CAME**

Code	Description	Quantity
001 STYLO-ME   	Irreversible gearmotor with encoder for swing gates measuring up to 1.8 m in length 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.	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

**001U8212****STYLO****001STYLO-RME - 24 V DC**Swing gates with two leaves measuring max. **1.8 m** per leaf - Max. weight of leaf **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



001KR300D + 001KR300S - 230 V AC

Gates with two swing-leaves up to 3 m per gate leaf - Maximum 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



001U7337ML

AXO








CAME

001AX302304 - 230 V AC

Gates with two swing-leaves up to 3 m per gate leaf - Maximum 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



001U7315ML









AXO



001AX3024 - 24 V DC

Gates with two swing-leaves up to 3 m per gate leaf - Maximum 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




001U7013ML

ATI



001A3000 - 230 V AC

Gates with two swing-leaves up to **3 m per gate leaf** - Maximum 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



001U7117ML







ATI



001A3024N - 24 V DC

Gates with two swing-leaves up to **3 m per gate leaf** - Maximum leaf weight **400 kg**



Code	Description	Quantity
001 A3024N  	Irreversible gearmotor for swing gates with leaves measuring up to 3 m per leaf (opening time at 90°: adjustable)	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



001U1901ML

FROG



CAME

001FROG-A - 230 V AC

Gates with two swing-leaves up to **3.5 m per gate leaf** - Maximum 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



001U1991ML

FROG



001FROG-A24 - 24 V DC

Gates with two swing-leaves up to **3.5 m per gate leaf** - Maximum 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








001U1274

FERNI

001FE40230 - 230 V AC

Gates with two swing-leaves up to 4 m per gate leaf - Maximum 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
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











001U1275

FERNI

001FE4024 - 24 V DC

Gates with two swing-leaves up to 4 m per gate leaf - Maximum 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



8K01MV-005

VER

801MV-0050 - 24 V DC

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



CAME

Code	Description	Quantity
801MV-0050 	VER06DES - Automated operator featuring a control board with segmented graphic display, with encoder for sectional and overhead garage doors.	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



8K01MV-006

VER

801MV-0050 - 24 V DC

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



Code	Description	Quantity
801MV-0050 	VER06DES - Automated operator featuring a control board with segmented graphic display, with encoder 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



8K01MV-007

VER

801MV-0050 - 24 V DC

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



Code	Description	Quantity
801MV-0050 	VER06DES - Automated operator featuring a control board with segmented graphic display, with encoder 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




8K01MV-017

VER

801MV-0060 - 24 V DC

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



Code	Description	Quantity
801MV-0060 	VER08DES - Automated operator featuring a control board with segmented graphical display, and encoder for sectional and overhead garage doors.	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




8K01MV-018

VER

801MV-0060 - 24 V DC

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



Code	Description	Quantity
801MV-0060 	VER08DES - Automated operator featuring a control board with segmented graphical display, and encoder 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 .	
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



8K01MV-008

VER PLUS

801MV-0010 - 24 V DC

Overhead and sectional doors - Maximum door surface **18 m²** - Traction force: **1000 N**



CAME

Code	Description	Quantity
801MV-0010	VER10DMS - Automated operator featuring a control panel with encoder 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



8K01MV-009

VER PLUS

801MV-0020 - 24 V DC

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



Code	Description	Quantity
801MV-0020	VER13DMS - Automated operator featuring a control panel with encoder 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



801MV-0010 - 24 V DC

Overhead and sectional doors - Maximum door surface **18 m²** - Traction force: **1000 N**



Code	Description	Quantity
801MV-0010	VER10DMS - Automated operator featuring a control panel with encoder 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



001TRA03

TOP FIXED CODE

Complete 433.92 MHz 12 - 24 V DC radio system for universal use



CAME

Code	Description	Quantity
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
806TS-0092	TOPD2FKS - Two-channel, double frequency, self-learning transmitter, black. (16,777,216 in TAM mode, 4,096 combinations in TOP mode)	2
001 TOP-A433N	Tuned antenna.	1
001 TOP-RG58	Antenna cable.	M 5



8K06RV-001

TOP ROLLING CODE

Complete 433.92 MHz 12 - 24 V DC radio system for universal use



Code	Description	Quantity
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
806TS-0111	TOPD2RBS - Two-channel, double-frequency, rolling code transmitter, blue. 4,294,967,896 combinations.	2
001 TOP-A433N	Tuned antenna.	1
001 TOP-RG58	Antenna cable.	M 5




8K06RV-002

TOP ROLLING CODE

Complete 433.92 MHz 120-230 V AC radio system for universal use



Code	Description	Quantity
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
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 TOP-A433N	Tuned antenna.	1
001 TOP-RG58	Antenna cable.	M 5



8K09QA-001

H4

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





8K06SS-001

RIO SYSTEM 2.0

Radio-based security system for DFWN-series sensitive safety-edges



Code	Description	Quantity
806SS-0050 	RIOCT8WS - External radio-control module for managing wireless accessories.	1
806SS-0020 	RIOED8WS - Wireless module for controlling resistive sensitive safety-edges.	1





CAME KEY

YOUR NEW WORKING TOOL

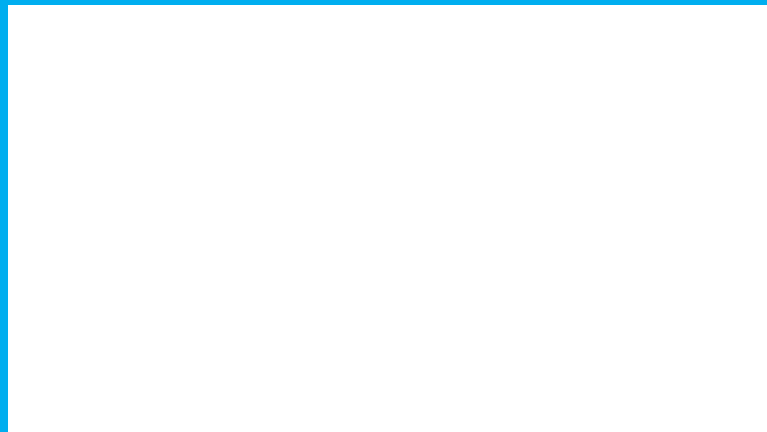
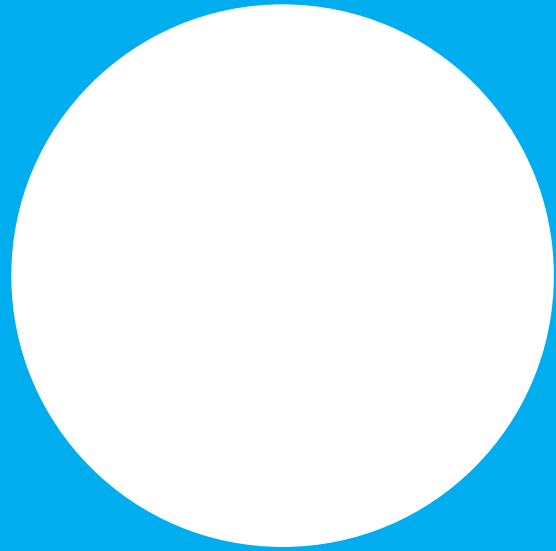
Go to page 15 to find out more

CAME 

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



SLIDING GATES



CAME.COM

68	Guide to choosing
70	BXL
72	BXV
76	BX
80	BK
84	BKV
88	BY-3500T
91	ELECTRONIC FUNCTIONS SLIDING GATES

Guide to choosing

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

120 Operators for 120 V AC sliding gates

Series	Model	Max. weight per leaf (kg) / Max. length per leaf (m)
BXV	801MS-0260	400 / 14
BXV	801MS-0270	600 / 18
BX	801MS-0060	800 / 14
BXV	801MS-0280	800 / 20
BXV	801MS-0290	1000 / 20
*BKV	801MS-0330	1500 / 20
BK	801MS-0110	1800 / 20
*BKV	801MS-0340	2000 / 20

● 120 V AC ● 24 V DC HEAVY DUTY
*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.

CAME 



PAIRED OPENING

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



INDUSTRIAL APPLICATION

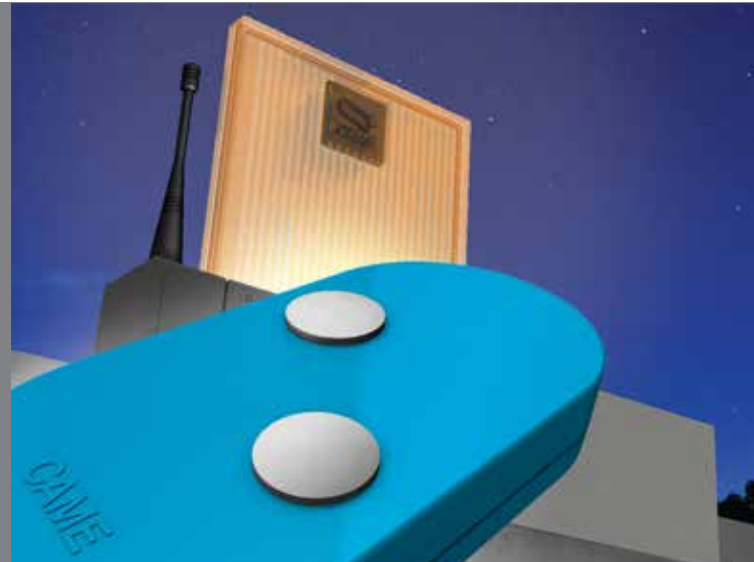
In industrial facilities, where tractor trailers, 18-wheel trucks and forklifts pass through, it is always advisable to fit double-height, infrared beam photocells, to prevent the gate from closing if one of the vehicles stops at the entry/exit point.

The flashing light: For extra safety!

CAME suggests installing the flashing light for signaling that the mechanical parts are moving.

Now the new DADOO models are available, with LED lighting. Newly shaped, DADOO is light, practical and quick to install.

We have also revamped our KIARO range. It now features LED lighting models that bring you energy savings and longer life.

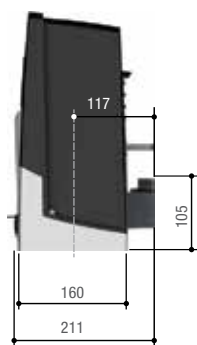
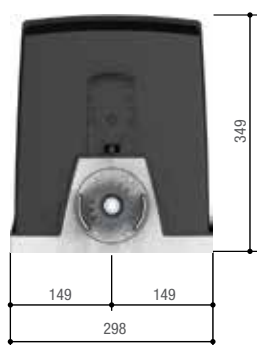


The ideal solutions for sliding gates at private homes.

- For complying with current Standards on impact forces.
- Operator with encoder-based movement control.
- It can operate in emergency mode during power outages.
- Self-diagnosing, hardwired safety devices.
- Control board, with separate terminals and function-setting dip-switches. Save up to 25 different users.
- On-board rolling code decoding.
- It can connect CAME-range hardwired keypads via the R800 accessory.



Dimensions (mm)



Operational limits

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

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
Manoeuvring speed (m/min)	12
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.

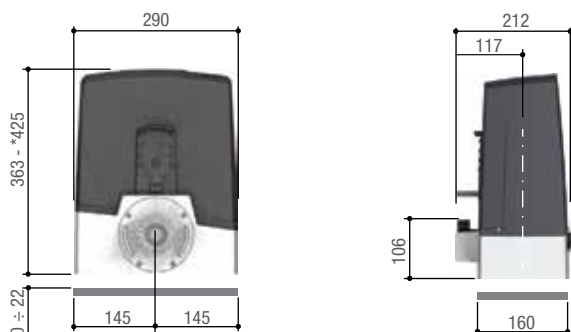
The handy lever releases the gearmotor for manually opening the gate.



Ideal solution for connected sliding gates in homes and apartment blocks

- Four motors, all with encoder-based control; also available in the Rapid versions.
- The 400 and 600 kg versions comply with current standards on impact forces.
- It can operate in emergency mode during power outages.
- It can retrofit magnetic limit-switches and heater for extreme weather conditions.
- Control board, with separate terminal board and display, for simpler installing and diagnosing. Save up to 250 different users.
- On-board Rolling Code and (Twin) Key Code radio-frequency decoding.
- It manages RIO System 2.0 wireless safety accessories via the 806SS-0040 accessory.
- Self-diagnosing safety devices – whether wireless or not.
- Set up to run CAME KEY and to connect to the cloud via CAME Connect.
- It directly manage CAME keypads via the R800 accessory or connect up CAME transponder selectors via the R700 accessory.
- Paired connection via the RSE accessory.
- Also available with magnetic limit-switches.

Dimensions (mm)



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

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-0260	2 x 12 V – 1.3 Ah	801MS-0280	2 x 12 V – 1.3 Ah
801MS-0270	2 x 12 V – 1.3 Ah	801MS-0290	2 x 12 V – 1.3 Ah

Technical characteristics

MODELS	801MS-0150	801MS-0180	801MS-0210	801MS-0230	801MS-0160	801MS-0190	801MS-0250
Protection rating (IP)	44	44	44	44	44	44	44
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)	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC
Power (W)	170	270	400	400	240	240	360
Maneuvering speed (m/min)	12	12	11	11	22	20	20
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Thrust (N)	350	600	800	1000	250	330	450
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
MODELS	801MS-0380	801MS-0390	801MS-0260	801MS-0270	801MS-0280	801MS-0290	
Protection rating (IP)	44	44	44	44	44	44	
Power supply (V - 50/60 Hz)	230 AC	230 AC	110 AC	110 AC	110 AC	110 AC	
Power supply to motor (V)	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC	
Power (W)	270	400	170	270	400	400	
Maneuvering speed (m/min)	12	11	12	12	11	11	
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	
Thrust (N)	600	1000	350	600	800	1000	
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-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 24 V DC gearmotor, tested according to EN 12453 - EN 12445 standards Magnetic limit-switches

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.



Complete operators with 24 V DC gearmotor - 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.



Operational limits

MODELS	801MS-0150	801MS-0180	801MS-0210	801MS-0230	801MS-0160	801MS-0190	801MS-0250
Max. length of leaf (m)	14	18	20	20	14	18	20
Max. weight of leaf (kg)	400	600	800	1000	400	600	1000
MODELS	801MS-0380	801MS-0390	801MS-0260	801MS-0270	801MS-0280	801MS-0290	
Max. length of leaf (m)	18	20	14	18	20	20	
Max. weight of leaf (kg)	600	1000	400	600	800	1000	

THE COMPLETE RANGE

Code Description

Accessories

001**RSDN001** Pull-cord release device for operators.

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

001**RSDN003** Heating system for operators.

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: 001RSDN001

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

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.



Code Description

Complete automated operators running on 120 V AC with 24 V DC gearmotor, tested in conformity with EN 12453 - EN 12445 standards

801MS-0260



BXV04RGS - Automated operated with 24 V motor, featuring a control board with display, on-board radio decoding, movement and obstruction detection control for gates weighing up to 400 kg that are up to 14-m long. RAL7024-grey cover.



801MS-0270



BXV06RGS - 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-grey cover.

Complete 120 V AC automated operators with 24 V DC gearmotor

801MS-0280



BXV08RGS - 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-0290



BXV10RGS - 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.



**WE CONNECT.
YOU CONTROL.**

The Cloud connection overhauls the way we process information. This technology revolutionizes lifestyles by ensuring comfort and security. We have put all our CAME Connect products online. In this way we can control them from any smartphone or tablet. Download the CAME AUTOMATION APP from Google Play or the APP Store.



EASY RELEASE!

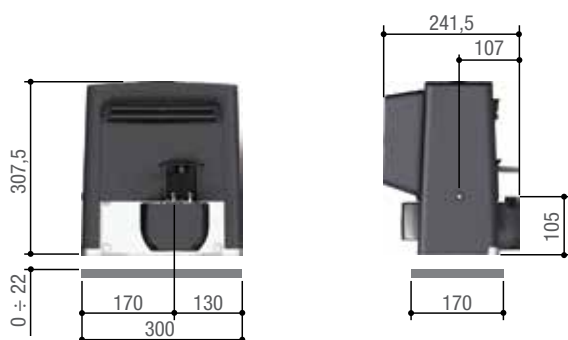
In emergencies or during power outages, the key-activated release is quick to get to and easy to use. A convenient handle lets you release the gearmotor to manually open the gate.

Ideal for fitting onto sliding gates

- It operates gates up to 400 and 800 kg, all encoder controlled.
- It can fit magnetic limit-switches.
- Control board, with separate terminals and a display, for easier start-ups and diagnoses. Save up to 250 different users.
- On-board Rolling code and Key Code (Twin) radio decoding.
- The safety inputs can be configured to directly control the 8k2Ω resistive sensitive-safety edges.
- Control Rio-series wireless safety-devices via the specific plug-in device.
- Self-diagnosing safety devices – whether wireless or not.
- Devices designed for connecting to the Cloud, via CAME Connect.
- Directly manage CAME keypads via the R800 accessory or connect up CAME transponder selectors via the R700 accessory.
- Compatible with CAME KEY.



Dimensions (mm)



Operational limits

MODELS	801MS-0020	801MS-0030	801MS-0060
Max. length of leaf (m)	14	14	14
Max. weight of leaf (kg)	400	800	800

Technical characteristics

MODELS	801MS-0020	801MS-0030	801MS-0060
Protection rating (IP)	44	44	44
Power supply (V - 50/60 Hz)	230 AC	230 AC	120 AC
Power supply to motor (V)	230 AC 50/60 Hz	230 AC 50/60 Hz	110 AC 50/60 Hz
Absorption (A)	2,6	2,4	2,4
Power (W)	200	300	300
Manoeuvring speed (m/min)	10	10	10
Duty/cycle (%)	30	30	30
Thrust (N)	300	800	800
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150

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

001RGP1

Green Power module.



001R001

Lock cylinder with DIN key.



001B4337

Chain drive device.



009CCT

Simple 1/2" chain.



009CGIU

Joint for 1/2" chain.



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.



801XC-0100



Magnetic limit-switch system for operators.



WE CONNECT. YOU CONTROL.

The Cloud connection overhauls the way we process information. This technology revolutionizes lifestyles by ensuring comfort and security. We have put all our CAME Connect products online. In this way we can control them from any smartphone or tablet. Download the CAME AUTOMATION APP from Google Play or the APP Store.



THE COMPLETE RANGE

Code Description

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.



THE COMPLETE 120 V AC RANGE

Complete operators with 120 V AC gearmotor	
801MS-0060 	BX708RGS - 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.





Ideal solution for applying to sliding gates for busy venues or industrial entrances

- A complete, flexible and safe range to meet different needs, from industrial to heavy-duty operating conditions.
- Module 4 or 6 pinions for constantly smooth, linear transmission of movement to the rack.
- It can fit magnetic limit-switches.
- Control board, with separate terminals and a display, for easier start-ups and diagnoses. Save up to 250 different users.
- On-board Rolling code and Key Code (Twin) radio decoding.
- The safety inputs can be configured to directly control the 8k2Ω resistive sensitive-safety edges.
- Control Rio-series wireless safety-devices via the specific plug-in device.
- Self-diagnosing safety devices – whether wireless or not.
- Devices designed for connecting to the Cloud, via CAME Connect.
- It directly manage CAME keypads via the R800 accessory or connect up CAME transponder selectors via the R700 accessory.
- The triphase-powered version for 2,200 kg gates is available
- Compatible with CAME KEY.

Dimensions (mm)



Operational limits

MODELS	801MS-0070	801MS-0080	801MS-0090	801MS-0100	801MS-0120	801MS-0130	801MS-0110
Max. length of leaf (m)	20	20	20	20	20	23	20
Max. weight of leaf (kg)	800	1200	1800	2200	2200	2200	1800

Technical characteristics

MODELS	801MS-0070	801MS-0080	801MS-0090	801MS-0100	801MS-0120	801MS-0130	801MS-0110
Protection rating (IP)	44	44	44	44	44	44	44
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC	230 – 400 V AC THREE PHASE	110 AC
Power supply to motor (V)	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC	230 – 400 V AC THREE PHASE	110 AC 50/60 Hz
Absorption (A)	4,5	3,3	4,2	5,1	5,1	1,5	4,2
Power (W)	520	380	480	580	580	520	480
Manoeuvring speed (m/min)	10,5	10,5	10,5	10,5	10,5	10,5	10,5
Duty/cycle (%)	HEAVY-DUTY SERVICE	50	50	50	HEAVY-DUTY SERVICE	50	50
Thrust (N)	800	850	1150	1500	1500	1650	1150
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	150

● 120 - 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-0110 - 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.



120 THE COMPLETE 120 V AC RANGE

Complete operators with 120 V AC gearmotor	
801MS-0110   	BKS18RGS - Automated operator running on 120 V AC, featuring a control board with programming display, on-board radio decoding and mechanical limit-switches for sliding gates weighing up to 1,800 kg that are up to 20-m long.



WE CONNECT. YOU CONTROL.

The Cloud connection overhauls the way we process information. This technology revolutionizes lifestyles by ensuring comfort and security. We have put all our CAME Connect products online. In this way we can control them from any smartphone or tablet. Download the CAME AUTOMATION APP from Google Play or the APP Store.





SEL

NEW SELECTORS SUITABLE FOR EVERY NEED

Go to page 230 - 232 to find out more

CAME

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

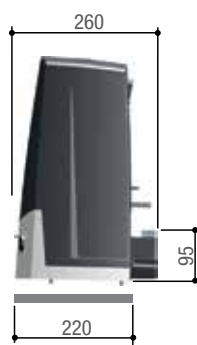
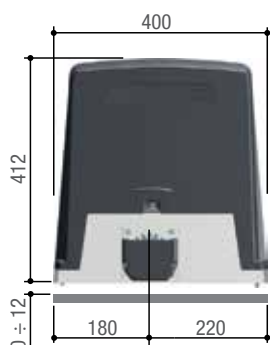




High-performance solution, ideal for large sliding and industrial gates in continuous duty conditions.

- Range designed for high-performance and functionality in complete safety, for a variety of uses, even industrial, and continuous duty.
- All BKV motors feature the new "Adaptive Torque Technology" to ensure lasting, smooth, constant speed during movement.
- Control board, with separate terminal board and graphical display, for simpler installing and diagnosing. Can store up to 250 users.
- Four safety inputs which can be configured to directly manage the (8k2Ω) resistive sensitive safety-edges.
- Set up to run CAME KEY and to connect to the cloud via CAME Connect.
- New quick-release lever for emergencies.
- Set up to fit the 806SA-0120 control board for managing up to eight settings.
- On-board Rolling Code and (Twin) Key Code radio-frequency decoding.
- It manages RIO System 2.0 wireless safety accessories via the 806SS-0040 accessory.
- The R800 accessory lets you directly manage CAME keypads, while the R700 lets you connect CAME transponder selectors.

Dimensions (mm)



Operational limits

MODELS	801MS-0300	801MS-0310	801MS-0320	801MS-0350	801MS-0360	801MS-0370	801MS-0330	801MS-0340
Max. length of leaf (m)	20	20	20	20	20	20	20	20
Max. weight of leaf (kg)	1500	2000	2500	1500	2000	2500	1500	2000

Technical characteristics

MODELS	801MS-0300	801MS-0310	801MS-0320	801MS-0350	801MS-0360	801MS-0370	801MS-0330	801MS-0340
Protection rating (IP)	44	44	44	44	44	44	44	44
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	120 AC	120 AC
Power supply to motor (V)	36 DC	36 DC	36 DC	36 DC	36 DC	36 DC	36 DC	36 DC
Absorption (A)	8	9	10	8	9	10	8	9
Maneuvering speed (m/min)	12	12	12	12	12	12	12	12
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Power (W)	200	250	300	200	250	300	200	250
Thrust (N)	800	900	1000	800	900	1000	800	900
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-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 - High-performance operator with 36 V motor, featuring a control board with graphical display, Adaptive Speed & Torque Technology, four safety inputs, movement control and obstruction detection, for gates up to 1500 kg in weight and 20 m in length.
801MS-0310	BKV20AGS - High-performance operator with 36 V motor, featuring a control board with graphical display, Adaptive Speed & Torque Technology, four safety inputs, movement control and obstruction detection, for gates up to 2000 kg in weight and 20 m in length.
801MS-0320	BKV25AGS - High-performance operator with 36 V motor, featuring a control board with graphical display, Adaptive Speed & Torque Technology, four safety inputs, movement control/obstruction detection and module 6 pinion, for gates up to 2500 kg in weight and 20 m in length.



Complete operators with 36 V DC geared motor - Plus version (with magnetic limit-switches and clock)

801MS-0350	BKV15AGE - Plus High-performance operator with 36 V motor, featuring a control board with graphical display, Adaptive Speed & Torque Technology, four safety inputs, magnetic limit-switches and clock accessory included, for gates up to 1500 kg in weight and 20 m in length.
801MS-0360	BKV20AGE - Plus High-performance operator with 36 V motor, featuring a control board with graphical display, Adaptive Speed & Torque Technology, four safety inputs, magnetic limit-switches and clock accessory included, for gates up to 2000 kg in weight and 20 m in length.
801MS-0370	BKV25AGE - Plus High-performance operator with 36 V motor, featuring a control board with graphical display, Adaptive Speed & Torque Technology, four safety inputs, module 6 pinion, magnetic limit-switches and clock accessory included, for gates up to 2500 kg in weight and 20 m in length.



120 THE COMPLETE 120 V AC RANGE

120 V complete operators with 36 V DC geared motor

801MS-0330	BKV15RGS - High-performance operator with 36 V motor, featuring a control board with graphical display, Adaptive Speed & Torque Technology, four safety inputs, movement control and obstruction detection for gates up to 1500 in weight kg and 20 m in length.
801MS-0340	BKV20RGS - High-performance operator with 36 V motor, featuring a control board with graphical display, Adaptive Speed & Torque Technology, four safety inputs, movement control and obstruction detection for gates up to 2000 kg in weight and 20 m in length.



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

THE NEW DESIGN OF THE TRANSMITTERS

Go to page 252 - 256 to find out more

CAME 

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



BY-3500T

Up to 3500 kg

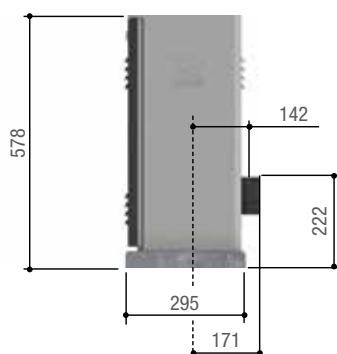
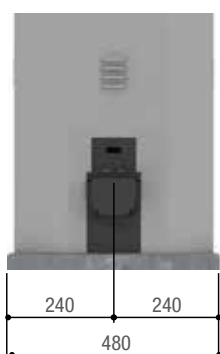


Ideal for fitting onto vary large gates

- It can also control a courtesy lamp for lighting up the drive way.
- Sturdy mechanics to ensure exceptional performance.
- Self-diagnosing safety devices.
- Three-phase power supply to ensure greater thrust.



Dimensions (mm)



Operational limits

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

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
Manoeuvring speed (m/min)	10,5
Duty/cycle (%)	50
Power (W)	750
Thrust (N)	3500
Operating temperature (°C)	-20 ÷ +55
Motor's heat protection (°C)	150

● 230 – 400 V AC THREE PHASE

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

Three-phase 230 – 400 V AC operators	
--------------------------------------	--

001BY-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	
-------	--





009CGZ6	
---------	--

	Galvanized rack module 6 in 30 x 30 laminated steel.
--	--





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.

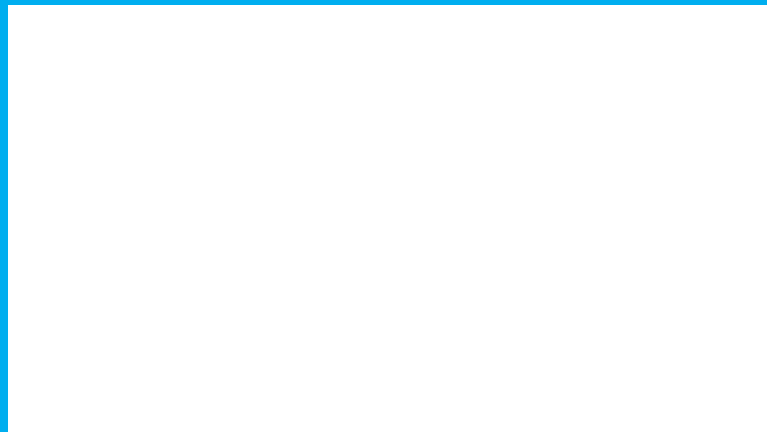
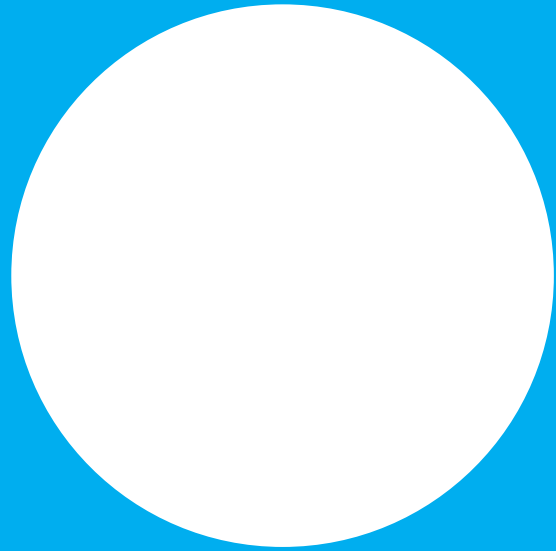
							
Models / Series	BKV	BX	BK	BXL	BXV	BY-3500T	BXV
Control board / Control panel	ZN8	ZBX7N	ZBKN	ZN6	ZN7	ZT6	ZN7
Safety							
SELF-DIAGNOSING safety devices	●	●	●	●	●	●	●
PRE-FLASHING when opening and closing	●	●	●	●	●	●	●
REOPENING during closing	●	●	●	●	●	●	●
CLOSING AGAIN during opening	●	●	●		●	●	●
Obstruction WAIT	●	●		●	●		●
TOTAL STOP	●	●	●	●	●	●	●
PARTIAL STOP	●	●	●	●	●	●	●
OBSTRUCTION DETECTION in front of photocells	●	●	●	●	●	●	●
ENCODER	●	●		●	●		●
MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device.	●	●		●	●		●
AMPEROMETRIC DETECTION	●			●	●		●
Command							
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	●	●	●	●	●	●	●
Characteristics							
FLASHING LIGHT connection	●	●	●	●	●	●	●
CYCLE LIGHT connection	●	●	●		●	●	●
COURTESY LIGHT connection	●		●			●	
Antenna connection	●	●	●	●	●	●	●
OPEN ALERT LIGHT connection	●	●	●		●	●	●
CLOSED ALERT LIGHT connection	●	●				●	
Contact output for 2nd RADIO CHANNEL	●					●	
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●	●
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●	●	●	●	●
OPENING and/or CLOSING slow downs	●	●		●	●		●
EMERGENCY BATTERY operation (optional)	●			●	●		●
MASTER-SLAVE	●	●	●		●		●
TRAVEL and SLOW DOWN SPEEDS adjustable	●	●		●	●		●
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)	●	●	●	●	●		●

● 120 - 230 V AC ● 24 - 36 V DC ● 230 - 400 V AC THREE PHASE

NOTES

* For 001BX-74 - 001BX-78, only slow-down speed.

SWING GATES



CAME.COM

94	Guide to choosing
96	AXL
98	AXI
100	AXO
102	ATI
106	KRONO
108	STYLO
110	FTL
112	FTX
116	FAST 70
120	FERNI
122	FROG
126	FROG PLUS
128	SUPER FROG

Guide to choosing

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	250
AXI	801MP-0030	2	60
FTL	801MB-0080	2	150 (250 with item 801XC-0070)
FTL - FTX	801MB-0050	2	150 (250 with item 801XC-0070)
FTX	801MB-0070	2	150 (250 with item 801XC-0070)
FTX	801MB-0110	2	250
FTX	801MB-0120	2	250
FAST 70	FA70230CB	2.3	200
FAST 70	FA70230	2.3	200
FAST 70	FA7024CB	2.3	200
FAST 70	FA7024	2.3	200
FAST 70	801MB-0090	2.3	300
FAST 70	801MB-0100	2.3	300
AXI	801MP-0040	2.5	60
ATI	A3000A	3	60
ATI	A3100A	3	60
ATI	A3024N	3	60
ATI	A3000	3	60
ATI	A3100	3	60
ATI	A3106	3	60
ATI	A3006	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
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	A5006	5	120
ATI	A5106	5	120
KRONO	KR510D - KR510S	5.5	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

120 Operators for 120 V AC sliding gates

Series	Model	Max. width of leaf (m)	Max. C-distance (mm)
KRONO	KR301D - KR301S	3	60
ATI	A3010	3	60

● 120 V AC



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.



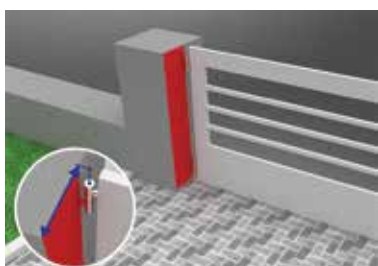
SWING GATES SURFACE OPERATOR

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 given gate.

The flashing light: For extra safety!

CAME suggests installing the flashing light for signaling that the mechanical parts are moving.

Now the new DADOO models are available, with LED lighting. Newly shaped, DADOO is light, practical and quick to install.

We have also revamped our KIARO range. It now features LED lighting models that bring you energy savings and longer life.

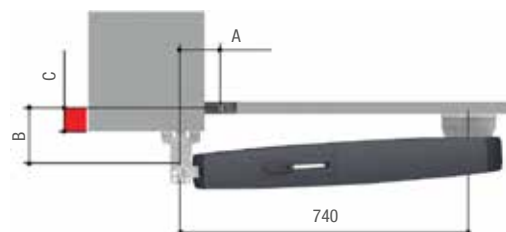


Ideal solution for residential settings

- Release system protected by trilobe key.
- On-board mechanical stops, for controlling gate travel.
- Simplified connections and one, three-conductor cable.
- Silent and linear movement thanks to the conical torque reducer.
- Fully covered and protected endless screw.
- Control board, with separate terminals and function-setting dip-switches. Save up to 25 different users.
- It can operate in emergency mode during power outages.
- Onboard Rolling code decoding.
- It can connect CAME-range hardwired keypads via the R800 accessory.



Dimensions (mm)



Application dimensions (mm)

MODELS	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
Max. weight of leaf (kg)	250
Max. leaf opening (°)	115

Technical characteristics

MODELS	801MP-0020
Protection rating (IP)	44
Power supply to motor (V)	24 DC
Absorption (A)	5 Max.
Power (W)	120
Manoeuvring speed (m/min)	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.
----------------	--



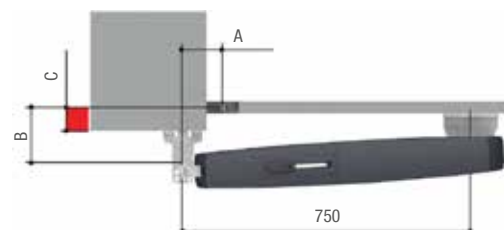
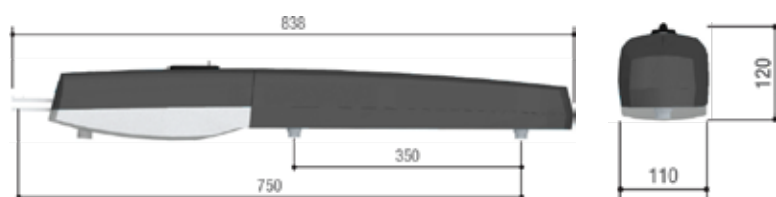
NOTES:

002RLB - Two 12 V - 1.3 Ah batteries - not supplied - the 002ZL60 requires proper external housing.

Ideal solution for connected single-home and apartment-block gates

- Release lever system protected by a trilobe key; can be remote activated via steel cable.
- On-board mechanical stops, for controlling gate travel.
- Simplified connections and one, three-conductor cable.
- Silent and linear movement thanks to the conical torque reducer.
- Fully covered and protected endless screw.
- Hard-wired and wireless self-diagnosing safety devices and compliance with current regulatory standards on impact forces.
- It can operate in emergency mode during power outages.
- Control board, with separate terminal board and display, for simpler installing and diagnosing. Save up to 250 different users.
- On-board Rolling Code and (Twin) Key Code radio-frequency decoding.
- Set up to run CAME KEY and to connect to the cloud via CAME Connect.
- It manages RIO System 2.0 wireless safety accessories via the 806SS-0040 accessory.
- Directly manage CAME keypads via the R800 accessory or connect up CAME transponder selectors via the R700 accessory.

Dimensions (mm)



Application dimensions (mm)

MODELS	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		801MP-0040	
Max. length of leaf (m)	1,5	2	1,80	2,5
Max. weight of leaf (kg)	250	200	300	250
Max. leaf opening (°)	115		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 - 002ZL65-110

002RLB Circuit board for emergency operation and battery charging.



Accessories for: 002ZL65 - 002ZL65-110

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 - the 002ZL60 requires proper external housing.

120 THE COMPLETE 120 V AC RANGE

Control panels for 120 V AC for 24 V DC gearmotors tested in conformity with standards EN 12453 - EN 12445

002ZL65-110 Control panel for one or two-leaf swing gates, with programming display, on-board radio decoding and self-diagnosing safety devices.



WE CONNECT. YOU CONTROL.

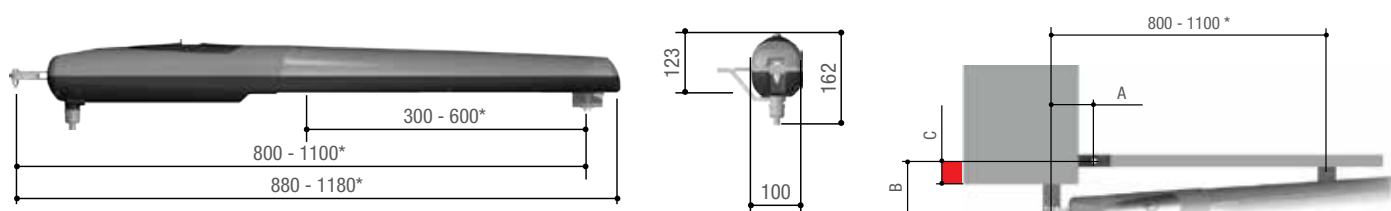
Cloud connectivity changes how we experience operators. This technology revamps our lifestyles, to ensure comfort and safety. CAME CONNECT make all our products available on the web where you can manage and control them from smartphones and tablets. Download CAME AUTOMATION APP from Google play or App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



Ideal solution for applying to gates in single homes or apartment blocks

- Tested in compliance with the law.
- The 24 V versions can work in emergency mode during power outages.
- Available in reversible and irreversible mode.
- Fully covered and protected endless screw.
- The 24 V versions feature a simplified connection system with a single three-conductor cable to control the motor and the encoder.
- Encoder technology for controlling slow-downs.
- Adjustable mechanical stops for memorizing gate travel.
- Die-cast aluminum supporting half-shells
- Compatible with CAME KEY (excluding the ZLJ14).

Dimensions (mm)



* 001AX5024 • 001AX71230

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

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.

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	230 AC	230 AC	230 AC	230 AC	-	-
Power supply to motor (V)	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	24 DC	24 DC
Absorption (A)	1,5	15	1,5	15	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	-	-

● 230 V AC ● 24 V DC

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.

Ideal solution for applying to gates in single homes or apartment blocks

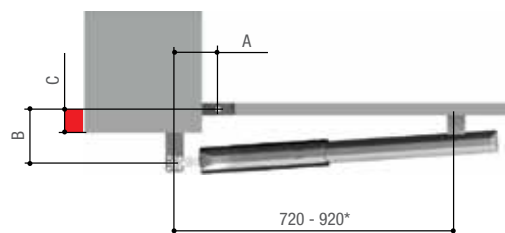
- The 24 V versions can work in emergency mode during power outages.
- Available in reversible and irreversible mode.
- Amperometric obstruction detection.
- Fully covered and protected endless screw.
- The 24 V versions feature a simplified connection system with a single three-conductor cable to control the motor and the encoder.



Dimensions (mm)



* 001A5000 • 001A5000A • 001A5100 • 001A5100A • 001A5106 • 001A5006 • 001A5024N



Application dimensions (mm)

MODELS	A3000 • A3000A • A3100 • A3100A • A3106 • A3006 • A3024N • A3010
LEAF OPENING (°)	A B C Max.
90	130 130 60
120	130 110 50

MODELS	A5000 • A5000A • A5100 • A5100A • A5106 • A5006 • A5024N
LEAF OPENING (°)	A B C Max.
90	200 200 120
120	200 140 70

Operational limits

MODEL	A3000 • A3000A • A3100 • A3100A • A3106 • A3006 • A3024N • A3010
Max. width of leaf (m)	3 2,5 2
Max. weight of leaf (kg)	400 600 800
MODEL	A5000 • A5000A • A5100 • A5100A • A5106 • A5006 • A5024N
Max. width of leaf (m)	*5 *4 3 2,5 2
Max. weight of leaf (kg)	400 500 600 800 1000

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

Technical characteristics

MODELS	A3000	A3000A	A3100	A3100A	A3006	A3106	A5000	A5000A
Protection rating (IP)	44	44	44	44	44	44	44	44
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC
Power supply to motor (V)	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz
Absorption (A)	12	12	1.2	1.2	12	12	1,2	1.2
Power (W)	150	150	150	150	150	150	150	150
Maneuvering time at 90° (s)	19 ÷ 32	19 ÷ 32	19 ÷ 32	19 ÷ 32	28 ÷ 45	28 ÷ 45	19 ÷ 32	19 ÷ 32
Duty/cycle (%)	50	50	50	50	50	50	50	50
Thrust (N)	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
Motor's heat protection (°C)	150	150	150	150	150	150	150	150

● 230 V AC ● 24 V DC

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 A3006	Irreversible geared motor for swing gates up to 3 m per leaf, with opening micro limit-switches (Slow version).
001 A3106	Reversible geared motor for swing gates up to 3 m per leaf, with opening micro limit-switches (Slow version).
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 A5006	Irreversible gearmotor for swing gates with up to 5 m long leaves, with opening 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	A5100	A5100A	A5006	A5106	A3024N	A5024N	A3010
Protection rating (IP)	44	44	44	44	44	44	44
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	-	-	110 AC
Power supply to motor (V)	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	24 DC	24 DC	110 AC 50/60 Hz
Absorption (A)	12	12	1,2	12	10 Max.	10 Max.	2,4
Power (W)	150	150	150	150	120	120	150
Maneuvering time at 90° (s)	19 ÷ 32	19 ÷ 32	28 ÷ 45	28 ÷ 45	ADJUSTABLE	ADJUSTABLE	19 ÷ 32
Duty/cycle (%)	50	50	50	50	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	50
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	-	-	150

THE COMPLETE RANGE

Code Description

24 V DC gearmotors

001**A3024N** Irreversible gearmotor for swing gates with leaves measuring up to 3 m per leaf (opening time at 90°: adjustable)



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 - 002ZL180110

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.

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

120 V AC gearmotors

001A3010	Irreversible 120 V AC gearmotor, for swing gates with each leaf up to 3-m long, with opening limit-switch micro-switches.
-----------------	---



Control panels for 120 V AC gearmotors

002ZA3P110	Multifunction control panel running on 120 V AC for gates with two swing leaves, limit-switch and slow-down speed controls.
-------------------	---



120 V AC control panels for 24 V DC gearmotors

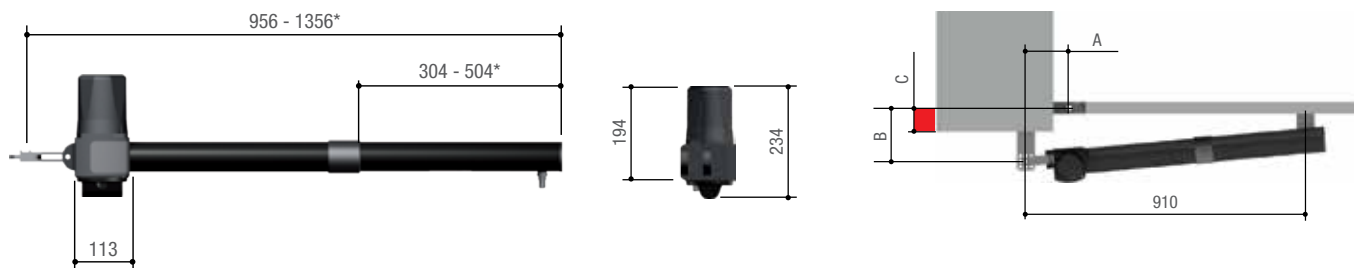
002ZL180110	Control panel running on 120 V AC for gates with two swing leaves with on-board radio decoding.
--------------------	---



Ideal solution for fitting on stylish gates

- A reliable product in the best of CAME tradition.
- Durable, long-lasting aluminum die-case body.
- Micro-switches for setting the leave's opening and closing end points.
- Built-in emergency release handle.
- Left and right versions.

Dimensions (mm)



* 001KR510D • 001KR510S

Application dimensions (mm)

MODELS	KR300D • KR300S • KR302D • KR302S		
	KR310D • KR310S • KR312D • KR312S • KR301D • KR301S		
LEAF OPENING (°)	A	B	C Max.
90	130	130	60
120	130	110	50

MODELS	KR510D • KR510S		
	A	B	C Max.
90	200	200	120
120	200	140	70

Operational limits

MODEL	KR300D • KR300S • KR302D • KR310D • KR310S • KR312D • KR312S • KR301D • KR301S			
Max. width of leaf (m)	3			
Max. weight of leaf (kg)	400			
MODEL	KR510D • KR510S			
Max. width of leaf (m)	5	4	3	2,5
Max. weight of leaf (kg)	400	500	600	800

Technical characteristics

MODELS	KR300D	KR300S	KR302D	KR302S	KR310D	KR310S	KR312D	KR312S	KR510D	KR510S	KR301D	KR301S
Protection rating (IP)	54	54	54	54	54	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	230 AC	230 AC	230 AC	110 AC	110 AC
Power supply to motor (V)	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	110 AC	110 AC
Absorption (A)	1,1	1,1	11	11	1,1	1,1	11	11	1,1	1,1	2,6	2,6
Power (W)	130	130	130	130	130	130	130	130	130	130	160	160
Maneuvering time at 90° (s)	22	22	18	18	22	22	18	18	34	34	22	22
Duty/cycle (%)	30	30	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	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	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150	150	150	150	150	150	150	150	150	150

● 120 - 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 right gearmotor for swing gates measuring up to 3 m per leaf. Rapid version.
001 KR302S	Irreversible left gearmotor for swing gates measuring up to 3 m per leaf. 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 gearmotor for swing gates of up to 3 m per leaf with opening and closing limit-switch micro-switches. Rapid version.
001 KR312S	Irreversible left gearmotor for swing gates of up to 3 m per leaf with opening and closing micro limit-switches. 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.



THE COMPLETE 120 V AC RANGE

120 V AC gearmotors	
001 KR301D	Irreversible, right-hand gearmotor running on 120 V AC for swing gates with each leaf up to 3-m long.
001 KR301S	Irreversible, left-hand gearmotor running on 120 V AC for swing gates with each leaf up to 3-m long.
Control panels for 120 V AC gearmotors	
002 ZA3P110	Multifunction control panel running on 120 V AC for gates with two swing leaves, limit-switch and slow-down speed controls.

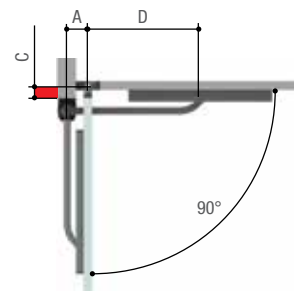
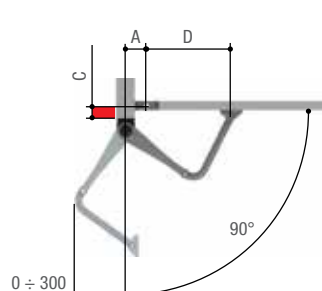
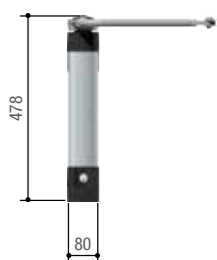


An ideal solution for applying to smaller sized posts

- Movement controlled by the encoder.
- Tested in compliance with the law.
- For installing on gates with minimum width, starting from 8 cm, posts; even up against a wall or fence, thanks to the straight-arm option.
- It can operate in emergency mode during power outages.
- Reliable and sturdy even if smaller in size, thanks to its irreversible system.
- Custom-key release system.
- Also available in the reversible version.



Dimensions (mm)



Application dimensions (mm)





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



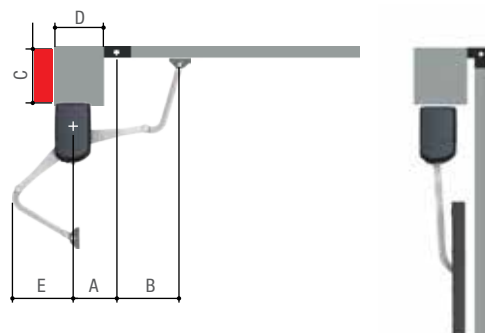
NOTES:
002LB90 - 12 V – 1.2 Ah or 7 Ah batteries - not supplied.
002LB90 – On the 002ZL92 with 12 V 1.2 Ah batteries there is a battery rack inside.



The ideal solution when applying to small-to-medium gate posts in private homes and apartment buildings

- For complying with current Standards on impact forces.
- Operator with encoder-based movement control.
- User-friendly release lever for manually opening the gate.
- It can operate in emergency mode during power outages.
- Self-diagnosing, hardwired safety devices.
- Control board, with separate terminals and function-setting dip-switches. Save up to 25 different users.
- On-board rolling code decoding.
- It can connect CAME-range hardwired keypads via the R800 accessory.

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 (250 with item 801XC-0070)
90	160 ÷ 180	380 (460 with item 801XC-0070)	Min. 150	310 (410 with item 801XC-0070)	150 (250 with item 801XC-0070)
110	200 ÷ 220	400 (470 with item 801XC-0070)	Min. 150	310 (410 with item 801XC-0070)	150 (250 with item 801XC-0070)

Operational limits

MODELS	801MB-0080			801MB-0050			
Max. length of leaf (m)	2	1.7	1	2	1.7	1.5	1
Max. weight of leaf (kg)	200	225	250	200	225	230	250

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 speed (m/min)	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.



The ideal solution when applying to small-to-medium gate posts in private homes and apartment buildings

- For complying with current Standards on impact forces.
- User-friendly release lever for manually opening the gate.
- It can operate in emergency mode during power outages.
- Self-diagnosing safety devices – whether wireless or not.
- Control board, with separate terminal board and display, for simpler installing and diagnosing. Save up to 250 different users.
- On-board Rolling Code and (Twin) Key Code radio-frequency decoding.
- It manages RIO System 2.0 wireless safety accessories via the 806SS-0040 accessory.
- Directly manage CAME keypads via the R800 accessory or connect up CAME transponder selectors via the R700 accessory.
- Compatible with CAME KEY. (Excluding 801MB-0050 and 801MB-0120).

Dimensions (mm)



Application dimensions (mm)

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

Operational limits

MODELS	801MB-0070				801MB-0050				801MB-0110				801MB-0120			
Max. length of leaf (m)	2	1.7	1.5	1	2	1.7	1.5	1	2	1.7	1.5	1	2	1.7	1.5	1
Max. weight of leaf (kg)	200	225	230	250	200	225	230	250	200	225	230	250	200	225	230	250

Technical characteristics

MODELS	801MB-0070				801MB-0050				801MB-0110				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			
Manoeuvring speed (m/min)	from 20 to 30				from 20 to 30				from 20 to 30				from 20 to 30			
Operating temperature (°C)	-20 ÷ +55				-20 ÷ +55				-20 ÷ +55				-20 ÷ +55			

Code

Description

Complete automated operators running on 24 V DC with max. C-distance of 150 mm tested in compliance with 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.



Gearmotors running on 24 V DC with max. C-distance of 150 mm tested in compliance with 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.



Automated operators featuring a 24 V DC gearmotor with max. C-distance of 250 mm tested in compliance with standards EN 12453 - EN 12445

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.



Gearmotors running on 24 V DC with max. C-distance of 250 mm tested in compliance with standards EN 12453 - EN 12445

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.



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.



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.

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.



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 long



Ideal for applying in private homes and apartment buildings, on small-to-medium gate posts

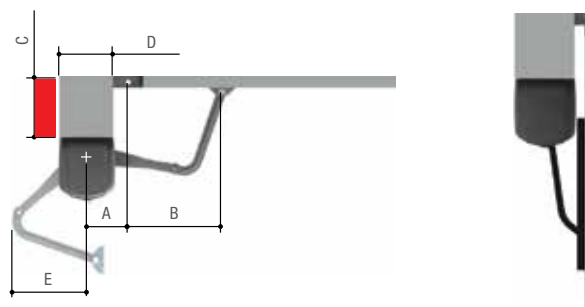
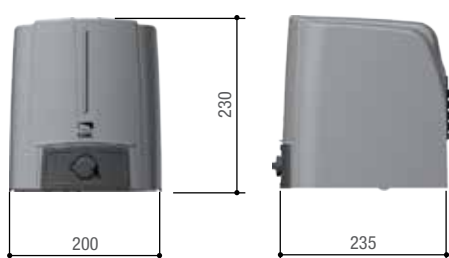
- Quick and simple installation.
- User-friendly release lever for manually opening the gate.
- Integrated control board in versions FA70230CB and FA7024CB.

ONLY FOR 24 V VERSIONS

- It can operate in emergency mode during power outages.
- Simplified connection with just one three-conductor cable, for controlling the motor and the encoder.
- Control board, with separate terminal board and display, for simpler installing and diagnosing. Save up to 250 different users.
- Self-diagnosing safety devices – whether wireless or not.
- On-board Rolling Code and (Twin) Key Code radio-frequency decoding.
- Set up to run CAME KEY and to connect to the cloud via CAME Connect.
- Controls the RIO System 2.0 wireless safety-devices.
- It can directly manage CAME keypads via the R800 card or connect transponder selectors via the R700 accessory.



Dimensions (mm)



Application dimensions (mm)

MODELS	FA70230CB · FA70230 · FA7024CB · FA7024 · 801MB-0090 · 801MB-0100				
LEAF OPENING (°)	A	B	D	E	C Max.
90	140	420 (490 with item 801XC-0070)	Min. 200	310 (410 with item 801XC-0070)	200 (300 with item 801XC-0070)
90	160 ÷ 180	380 (460 with item 801XC-0070)	Min. 200	310 (410 with item 801XC-0070)	200 (300 with item 801XC-0070)
110	200 ÷ 220	400 (470 with item 801XC-0070)	Min. 200	310 (410 with item 801XC-0070)	50 (300 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	1
Max. weight of leaf (kg)	200	215	250	300

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 - 50/60 Hz	230 AC	230 AC	-	230 AC	-
Power supply to motor (V)	230 AC - 50/60 Hz	230 AC 50/60 Hz	24 DC	24 DC	24 DC	24 DC
Power (W)	160	160	140	140	140	140
Maneuvering time at 90° (s)	15	18	ADJUSTABLE	ADJUSTABLE	ADJUSTABLE	ADJUSTABLE
Duty/cycle (%)	30	30	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Thrust (N)	180	180	180	180	180	180
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

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

801MB-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

801MB-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.



MONDRIAN

**TUBULAR
MOTORS WITH
MECHANICAL
LIMIT SWITCH**

CAME 

CAME.COM





Ideal for fitting onto large gate posts in single homes and apartment blocks

- Innovative design for a product engineered and built to meet market needs.
- Sleek, solid, modern, anodized aluminum casing.
- Both the 24 V DC and the 230 V AC models are EN tested and have encoder controlled electronics.
- The standard, folding drive arm can be replaced by the straight drive arm when lack of space is an issue.
- Easy to reach release hatch.
- Highly resistant to weathering.
- Made to be easily installed and connected it also features versatile limit-switches.
- A version with 18 seconds of maneuvering time is also available.
- Set up to fit the CAME KEY accessory for connecting to the cloud via CAME Connect (excluding the ZLJ14).

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
MODEL	FE40230 • FE4024 (with the 001FERNI-BDX and the 001FERNI-BSX drive arm)				
Max. width of leaf (m)				2,5	2
Max. weight of leaf (kg)				300	500

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

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

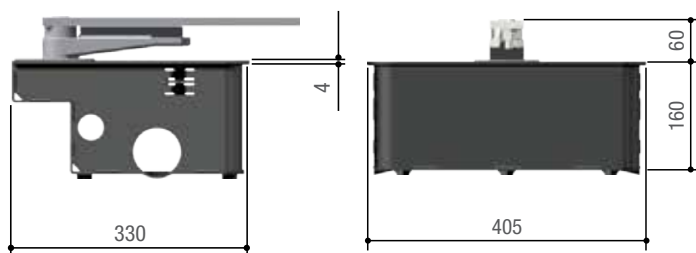
WARNING: 001FE40230V + 002ZM3E are not tested in compliance with standards EN12453 - EN 12445.



Below-ground solution suitable for fitting to gates in single homes and apartment buildings

- The invisible solution to power your gate
- High degree of protection against weathering (IP67).
- System automatically resets after the gate is manually released.
- It can open up to 180° (with the FL-180 accessory).
- FROG-AE and FROG-A24E with encoder technology, tested in compliance with current regulatory standards.
- The 24 V DC versions can operate in emergency mode during power outages.
- Special steel foundation box with rustproof coating.
- Adjustable built-in leaf stops.
- Set up to fit the CAME KEY accessory for connecting to the cloud via CAME Connect (excluding ZA3P - ZL170N - ZL19N - ZLJ14).

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	-









NOTES: * We suggest fitting an electric lock onto the gate leaf.

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 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	24 DC	24 DC
Absorption (A)	1,9	1,9	2,5	15 Max.	15 Max.
Power (W)	200	200	300	180	180
Maneuvering time at 90° (s)	18	18	9	ADJUSTABLE	ADJUSTABLE
Duty/cycle (%)	30	30	30	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Thrust (N)	320	320	240	320	320
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 	Irreversible gearmotor for swing gates of up to 3.5 m per leaf, with adjustable closing leaf-stop.
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

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



Accessories for: 002ZLJ14

002LB90 Circuit board for emergency operation and battery charging.



Accessories for: 002ZLJ24

002LB180 Circuit board for emergency operation and battery charging.



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

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



Accessories

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



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



001LOCK81 Single cylinder electric lock.



001LOCK82 Double cylinder electric lock.



001A4364 Release device with lever key.



001A4365 Release device with trilobe key.



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



001A4370 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 long

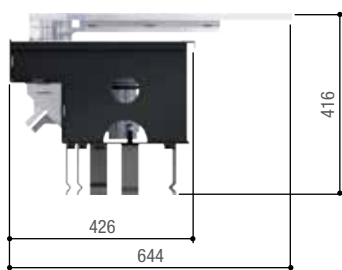
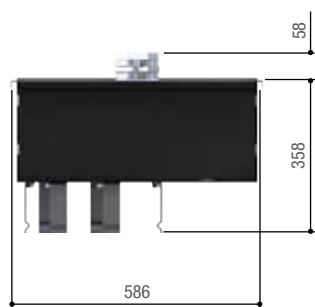


Ideal for fitting onto gates at apartment blocks or industrial facilities

- The invisible solution for swing-gate operators.
- High degree of protection against weathering (IP67).
- Built-in opening and closing leaf stops for quick-and-easy adjusting of the leaf-stopping point.
- Encoder technology for total movement control.
- Set up to run CAME KEY and to connect to the cloud via CAME Connect.



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		

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
Thrust (N)	800	800
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 FR0G-PM4 	Underground irreversible geared-motor for swing gates up to 5.5 m in length per leaf, with adjustable leaf-closing.
--	---

001 FR0G-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 FR0G-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 of up to 8 m

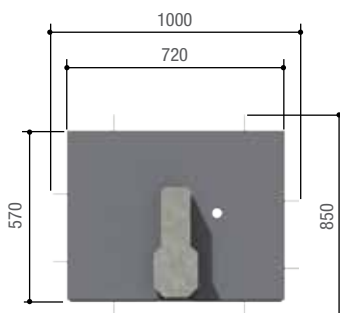
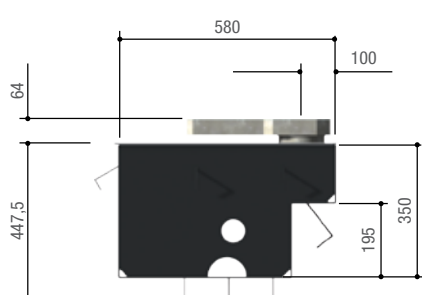


Below-ground solution for special or exceptional applications

- For powering over-sized gates.
- High degree of protection against weathering (IP67).
- Built-in opening and closing limit-switches, for quick-and-easy adjusting of the leaf stopping position.
- Three-phase voltage power supply for ensure greater thrust.
- Set up to run CAME KEY and to connect to the cloud via CAME Connect.



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	95	95	95	95	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
Thrust (N)	1000	1000
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 cataphoresis-treated, foundation-casing, complete with release latching-lever, gate-fastening brace and mechanical stop.

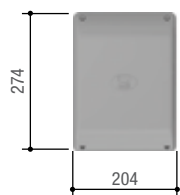
001**FROG-CS**

Left-hand, steel cataphoresis-treated, foundation-casing, complete with release latching-lever, gate-fastening brace and mechanical stop.

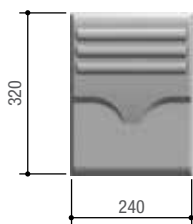


CONTROL PANEL DIMENSIONS

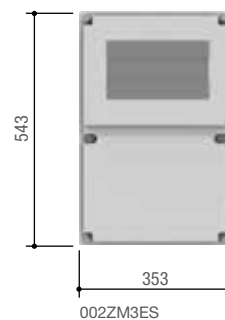
Dimensions (mm)



002ZA3N
002ZA3P
002ZL170N
002ZL65
002ZL60
002ZL65-110
002ZA3P110






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



002ZM3ES



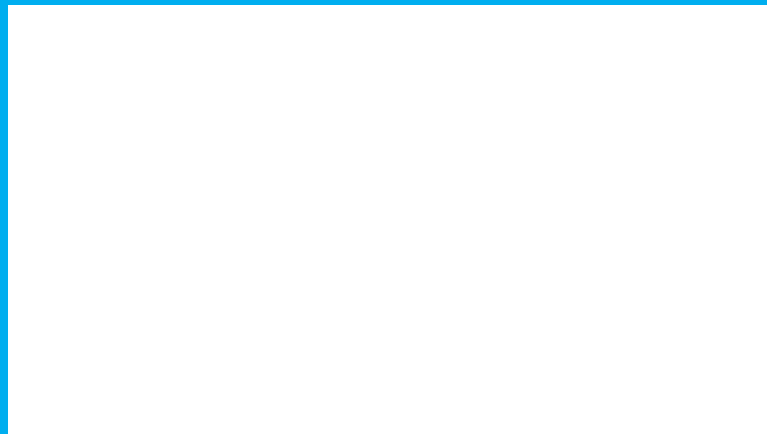
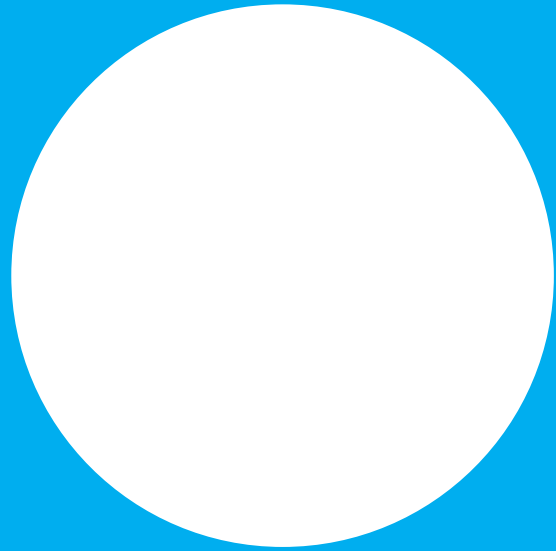
The table lists all of the characteristics of swing-gate control panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.

Models / Series	ATI KRONO FROG FAST70 FERNI	AXO FERNI FROG	FROG PLUS	FAST 70	 SUPER FROG	AXI FTX FAST70	AXL FTL	STYLO	AXO FROG FERNI	AXO FROG FERNI	FROG	FROG	ATI	 24	 120	ATI KRONO
Control board / Control panel	ZA3P	ZM3E	ZM3EP	ZF1N	ZM3ES	ZL65	ZL60	ZL92	ZLJ24	ZLJ14	ZL170N	ZL19N	ZL180	ZL65-110		ZA3P110
Functions	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 from button	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DELAYED OPENING 1st leaf	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DELAYED OPENING 2nd leaf	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Characteristics																
FLASHING LIGHT connection	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CYCLE LIGHT connection	●	●	●		●	●		●	●	●	●	●		●	●	●
COURTESY LIGHT connection	●	●	●		●	●	●		●	●						●
Antenna connection	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
OPEN ALERT LIGHT connection	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Contact output for 2nd RADIO CHANNEL	●	●	●		●			●	●	●	●	●	●	●	●	●
OPERATING TIME adjusting	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Connection for the ELECTRIC LOCK and/or RAMMING	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
OPENING and/or CLOSING slow downs	●	●	●			●	●	●	●	●	●	●	●	●	●	●
EMERGENCY BATTERY operation (optional)						●	●	●	●	●	●	●	●	●	●	●
TRAVEL and SLOW DOWN SPEEDS adjustable*	●	●	●			●	●	●	●	●	●	●	●	●	●	●
DISPLAY		●	●		●	●		●	●	●				●		
Self-learning of the opening and closing gate-travel		●	●			●	●	●	●	●				●		
CAME Connect		●	●		●	●			●					●		
Designed to fit RIO System 2.0						●								●		
CRP control		●	●		●	●			●					●		
ENERGY SAVINGS control (001RGP1)						●	●							●		

● 120 - 230 V AC ● 24 V DC ● 230 - 400 V AC THREE PHASE

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

OVERHEAD AND SECTIONAL DOORS



CAME.COM

134	Guide to choosing
136	VER PLUS
138	VER
140	EMEGA
143	ELECTRONIC FUNCTIONS OVERHEAD AND SECTIONAL DOORS

Guide to choosing

Operators for overhead and sectional doors

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 a drawing 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.

Now the new DADOO models are available, with LED lighting. Newly shaped, DADOO is light, practical and quick to install.

We have also revamped our KIARO range. It now features LED lighting models that bring you energy savings and longer life.



VER PLUS

Door surface area up to 21 m²

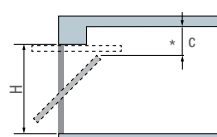
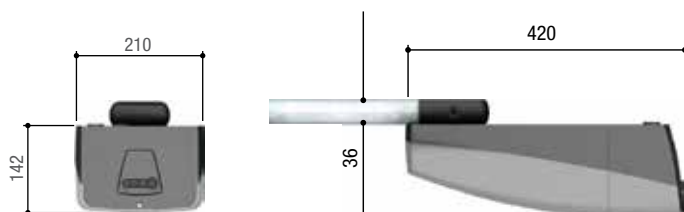


Ideal solution for sectional and overhead doors

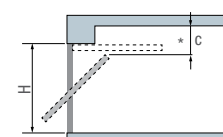
- The operator is fastened directly onto the drive guide.
- 24 V DC systems to ensure greater safety and reliability.
- Control board with separate terminals for easier cabling. Save up to 250 different users.
- External keys on display for easier installing and diagnosing.
- On-board Rolling code and Key Code (Twin) radio decoding.
- Manages RIO System 2.0 wireless safety accessories via the 806SS-0040 accessory.
- It can manage CAME keypads via the R800 card or connect transponder selectors via the R700 accessory.
- Silent and reliable, belt or chain drive tracks, plus external pull-cord release to fit onto the door's lock and handle system.
- Tested in compliance with current regulatory standards.
- Set up to run CAME KEY and to connect to the cloud via CAME Connect.
- It can operate in emergency mode during power outages.



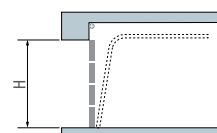
Dimensions (mm)



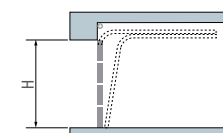
BC – Partially retracting, protruding overhead garage door.
(con 001V201)



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 - Automated operator featuring a control panel with encoder for sectional and overhead garage doors.

801MV-0020



VER13DMS - Automated operator featuring a control panel with encoder 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 are 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

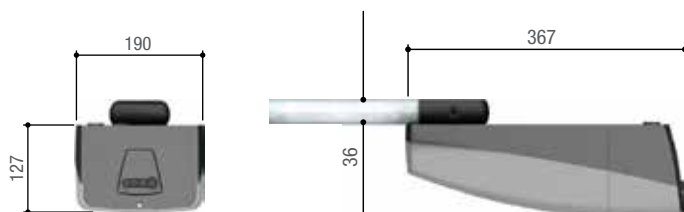


Ideal solution for sectional and overhead doors in single homes

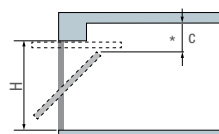
- Ready-to-use automated solutions.
- The operator is fastened directly onto the drive guide.
- 24 V DC systems to ensure greater safety and reliability.
- A vast range of control and safety accessories to complete the operator.
- Silent and reliable, belt or chain drive tracks, plus external pull-cord release to fit onto the door's lock and handle system.
- Systems tested in compliance with current regulatory standards.
- Rolling Code radio decoding, can save up to 250 different users.
- External display buttons for easier start-ups and diagnoses.
- It automatically calibrates forces.



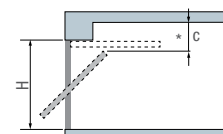
Dimensions (mm)



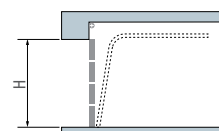
Applications



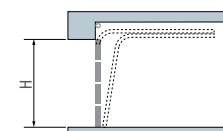
BC – Partially retracting, protruding overhead garage door.
(con 001V201)



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 - Automated operator featuring a control board with segmented graphic display, with encoder for sectional and overhead garage doors.

801MV-0060



VER08DES - Automated operator featuring a control board with segmented graphical display, and encoder for sectional and overhead garage doors.

Accessories

001V121

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

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.

001V201

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

Chain guide

001V06001

Chain guide L = 3.02 m. *Max. door height:
BC = 2.4 m - BM = 2.25 m - STA = 2.1 m.

001V06002

Chain guide L = 3.52 m. * Max. door height:
BM = 2.75 m - STA = 2.6 m STB = 2.7 m.

001V06003

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

Belt guides

001V06005

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.

001V06006

Belt guide L = 3.52 m. * Max. door height:
BM = 2.75 m - STA = 2.6 m STB = 2.7 m.

001V06007

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

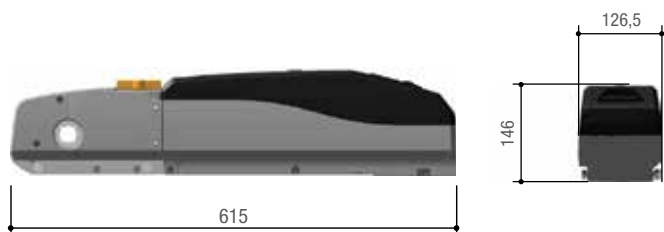
ATTENTION 801MV-0050 - 801MV-0060 PRODUCTS AVAILABLE ONLY IN KITS. CONTACT THE SALES DEPARTMENT FOR INFORMATION.



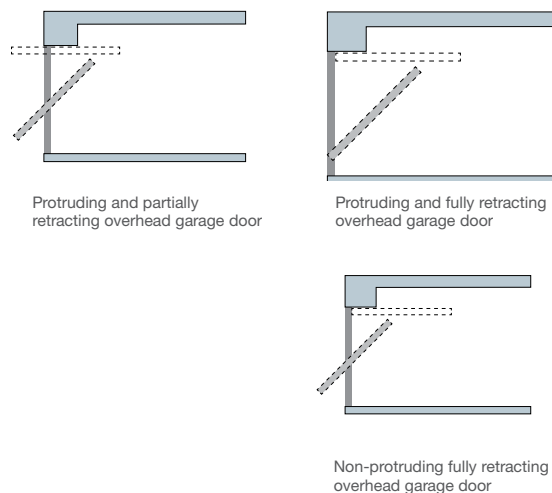
The ideal solution for fastening onto the door

- Operator designed for medium and large overhead garage doors – even for heavy duty cycles.
- All of the models are tested in compliance with current regulatory standards.
- Encoder-based technology for detecting any obstructions and for controlling slow-downs.
- Release lever for manually opening the door during power outages. It can be opened from outside thanks to the pull-cord which can be fitted onto the door handle.
- The 24 V DC allows for the adjusting of the maneuvering, final approach, opening and closing speeds and the amperometric obstruction detection.
- Built-in control panel and fitting onto the anchoring base.
- Programming and function viewing display, with LEDs for diagnosing the state of the door.

Dimensions (mm)



Applications



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)	170	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**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.



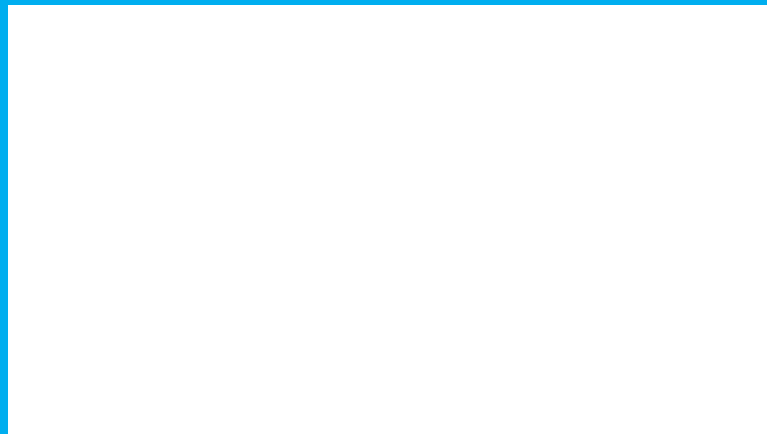
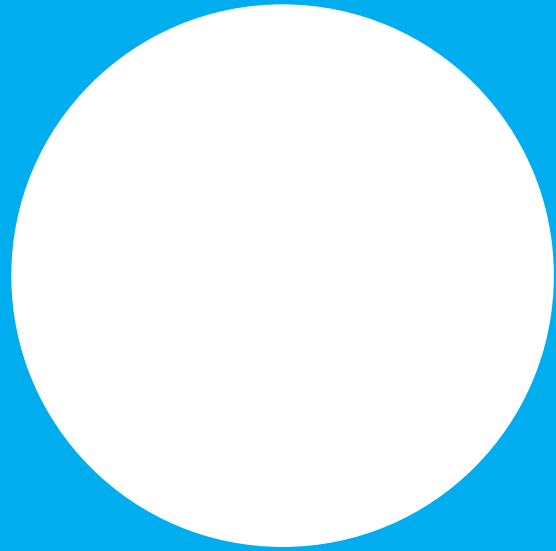
Models / Series	VER PLUS	VER	EMEGA EM4024CB										
Control board / Control panel	ZL57	-	ZL43										
Functions	Safety												
SELF-DIAGNOSING safety decives	●	●	●										
PRE-FLASHING when opening and closing	●	●	●										
REOPENING during closing	●	●	●										
CLOSING AGAIN during opening	●												
Obstruction WAIT	●		●										
TOTAL STOP	●	●	●										
PARTIAL STOP	●												
OBSTRUCTION DETECTION in front of the photocells (French regulations)	●	●	●										
ENCODER	●	●	●										
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	●		●										
OPERATING TIME adjusting	●		●										
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●										
Connection for the ELECTRIC LOCK and/or RAMMING													
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●										
OPENING and/or CLOSING slow downs	●	●	●										
EMERGENCY BATTERY operation (optional)	●		●										
TRAVEL and SLOW DOWN SPEEDS adjustable*	●		●										
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.

ROAD BARRIERS



CAME.COM

146	Guide to choosing
148	GARD PT Brushless
152	GARD PX Brushless
156	GARD
162	GARD 3250
164	GARD 5000
166	GARD 3
168	GARD 4
174	GARD 8
178	GARD 12
181	ELECTRONIC FUNCTIONS AUTOMATIC ROAD BARRIERS

Guide to choosing

Automatic street 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 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

Automatic street-barriers running on 120 V AC

Series	Model	Max. net clearance width (m)
GARD 4	G4140Z	3,75
GARD 4	G4140IZ	3,75
GARD	G4010	6,5
GARD	G6010	6,5
GARD 8	G2180Z	7,6
GARD 8	G2180ZS	7,6
GARD 12	G12010K	12
GARD 12	G12010KS	12

● 24 V DC



SINGLE BARRIERS FOR SINGLE HOMES

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



HEAVY-SUTY 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.

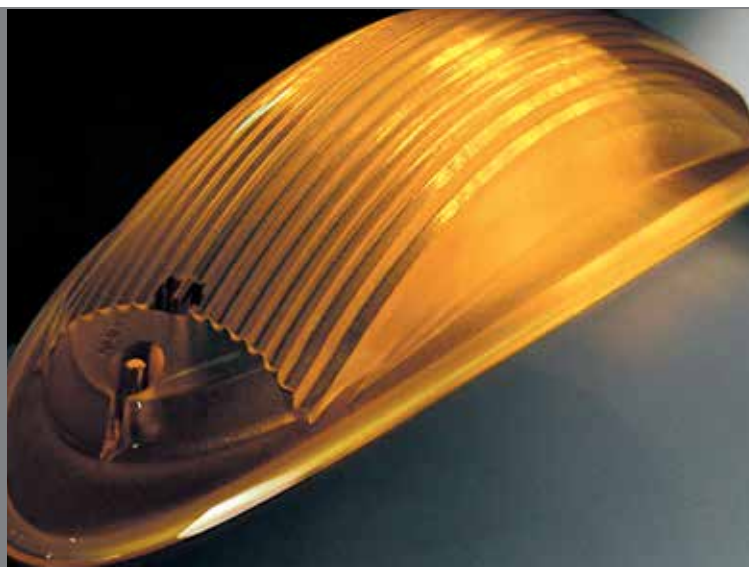


BARRIERS FOR VERY WIDE CLEARANCES

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

The flashing light: For extra safety!

The GARD 4 and GARD 8 barriers are ready to fit dome flashing-light to warn when the boom is moving, to ensure greater safety when using the passage way.



GARD PT Brushless

Net clearance width of up to 3,8 m

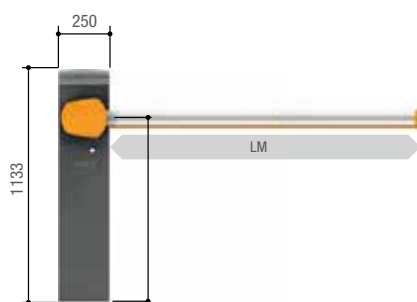


The ideal solution for passage ways with heavy transit flows

- A modernly designed barrier, with perfectly blended aesthetics and perfection for any application.
- Painted aluminum cabinet with red/green signaling luminous crown on the top.
- Highly performing brushless motor and extremely silent.
- Control board with display designed to connect to the Cloud via CAME Connect.
- Accessory for detachable boom to use in high traffic-volume conditions.
- It can work in either paired mode or alternating mode via the RSE card.
- Compatible with CAME KEY.



Dimensions (mm)



LM = Max. net clearance width



803XA-0180

Operational limits

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

Technical characteristics

MODELS	803BB-0070
Protection rating (IP)	44
Power supply (V - 50/60 Hz)	230 AC 50/60Hz
Power supply to motor (V)	36 DC
Absorption (A)	1.5 (230 V AC)
Power (W)	350
Opening time at 90° (s)	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)
Operating temperature (°C)	-20 ÷ +55

● 36 V DC

Code Description

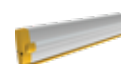
Barriers with Brushless motor and built-in control panel

803BB-0070 GPT40AGS - Automatic barrier with reversible geared motor and brushless motor; painted aluminum cabinet.



Mandatory accessories for: 803BB-0070

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.

Accessories for: 803BB-0070

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-0040 Detachable boom attachment.



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



803XA-0160 Red/green LED strip for booms up to 2 m long.



803XA-0180 Joint for the 90 x 35 mm boom.



803XA-0190 Kit for connecting the boom joint LED strip.



803BB-0070 Available from March 2019



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

Accessories	
803XA-0010	LED Luminous crown.
803XA-0030	Electric lock.
803XA-0070	Balancing springs assembly.
803XA-0080	Auxiliary contacts assembly.
001 G02807	Fixed rest.
001 G02809	Package of 20 red, reflective, adhesive strips.
Accessories	
806SA-0080	Control card kit for operating during power outages and for recharging batteries, with battery housing.



Guide to choosing the springs for the 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

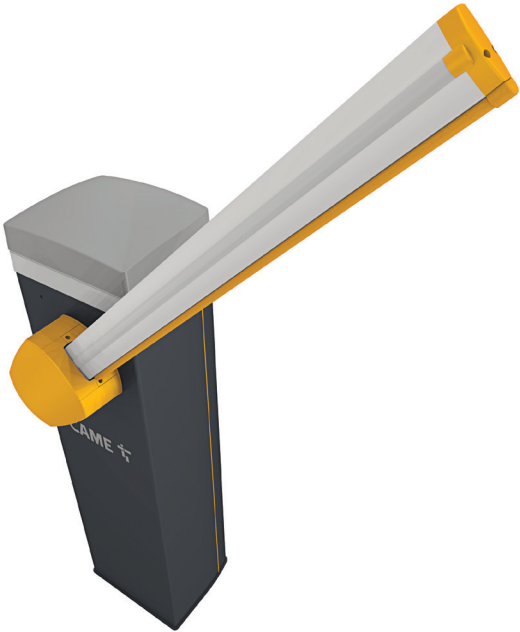
* For maximum clearances greater than 3 m, you must use the G02807 fixed rest.

DISCOVER OUR INTEGRATED SOLUTIONS FOR PARKING FACILITIES



GARD PX Brushless

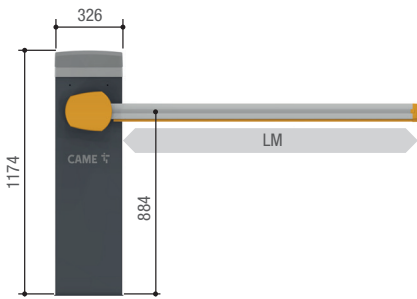
Net clearance width of up to 3,8 m



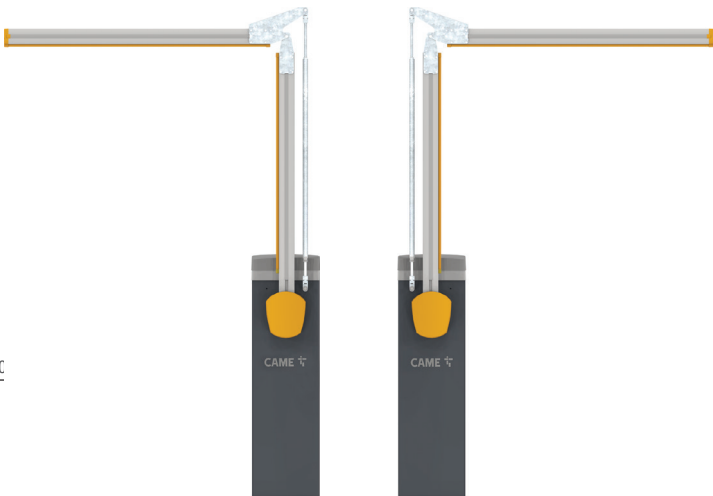
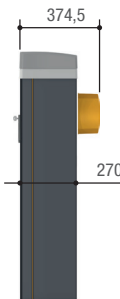
Specific solution for very intensive duty cycles

- A sturdy barrier with modern design features, in which the aesthetics blend perfectly into any setting.
- Painted steel cabinet with red/green signaling crown on the top.
- Highly performing brushless motor and extremely silent.
- Control board with graphical display, set up to connect to the cloud via CAME Connect.
- Accessory for detachable boom to use in high traffic-volume conditions.
- It can work in either paired mode or alternating mode via the RSE card.
- A jointed hinge is available for installing when headroom is limited.
- Compatible with 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 ÷ 230 AC
Power supply to motor (V)	36 DC
Power (W)	220
Opening time at 90° (s)	1,2 ÷ 2,4
Duty/cycle (%)	CONTINUOUS SERVICE
Operating temperature (°C)	-20* ÷ +55

*-40 °C with additional heating system 803XA-0210

● 36 V DC

Code Description

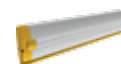
Barriers with Brushless motor and built-in control panel

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



Mandatory 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.

Accessories for 803BB-0120

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 booms up to 2 m long.



803XA-0170 Detachable boom attachment.



803XA-0180 Joint for the 90 x 35 mm boom.



803XA-0190 Kit for connecting the boom joint LED strip.



Accessories

803XA-0140 Luminous crown.



803XA-0200 Auxiliary contacts assembly.



001G02807 Fixed rest.



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



803BB-0120 Available from March 2019

THE COMPLETE RANGE

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-0210	Heating system for GARD PX.



Guided choice of springs for the 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 A and B spring fastening points refer to the above table (Guided choice of springs for the 803XA-0050 - 803XA-0051 boom).



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.



SEL BT

THE NEW WIRELESS BLUETOOTH SELECTORS

Go to page 232 to find out more

CAME

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

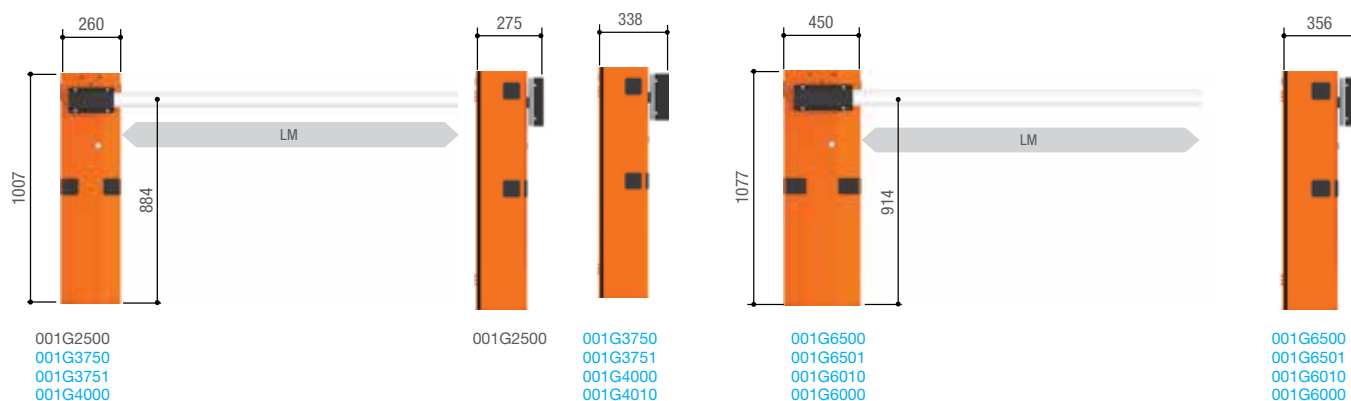




Ideal solution for medium to large clearance widths in apartment blocks and industrial facilities

- Ideal for private and public parking.
- Also available made of AISI 304 steel (G3751 - G6501).
- It can be fitted either right or left and is very quick-and-easy to install.
- A truly complete range of accessories lets you customize your installation, to ensure safety and peace-of-mind for users.
- Special joints allow the barrier to be installed even in underground parking facilities where the headroom is limited.
- Rough finishing coat RAL 2004.

Dimensions (mm)



LM = Max. net clearance width

Operational limits

MODELS	G2500	G3750	G3751	G6500	G6501	G4000	G6000	G4010	G6010
Max. net clearance width (m)	2,5	3,75	3,75	6,5	6,5	4	6	4	6,5

Technical characteristics

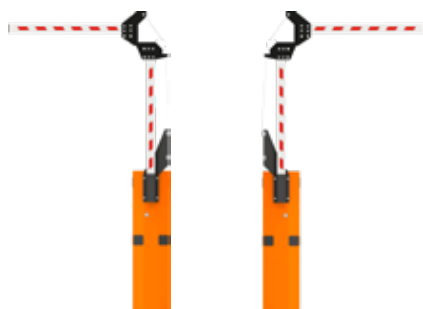
MODELS	G2500	G3750	G3751	G6500	G6501	G4000	G6000	G4010	G6010
Protection rating (IP)	54	54	54	54	54	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	120 AC	120 AC
Power supply to motor (V)	230 AC 50/60 Hz	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC
Absorption (A)	1	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.
Power (W)	120	300	300	300	300	300	300	300	300
Opening time at 90° (s)	4	2 ÷ 6	2 ÷ 6	4 ÷ 8	4 ÷ 8	2 ÷ 6	4 ÷ 8	4 ÷ 8	4 ÷ 8
Duty/cycle (%)	30	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Torque (Nm)	70	200	200	600	600	200	600	600	600
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	-	-	-	-	-	-	-	-

Code Description

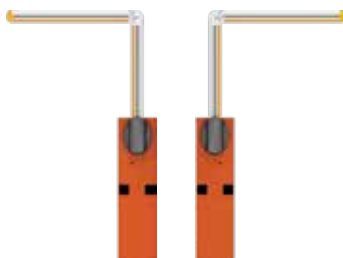
Barriers with 230 V AC gearmotors and gearmotor and built-in control panel	
001 G2500	Barrier made of painted, galvanized steel.
Obligatory accessories for: 001G2500	
001 G0251	White painted aluminum boom with end cap. Section 60 x 40 mm, boom length: 2.7 m.
001 G0461	Package of 24 red, reflective, adhesive strips.
001 G02807	Fixed rest.
Accessories for: 001G0251	
001 G0257	Boom joint.
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 barrier 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.



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**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. Ø 100 mm, boom length: 6.85 m.

001**PSRT01** Heater kit with thermostat.

Accessories for: 001G03750 - 001G06850

001**G028401** LED luminous cord.

001**G028402** Cable for connecting the luminous cord.

Accessories for: 001G06850

001**G06802** Required for passage clearances of over 4 m.

Accessories for: 001G3750 - 001G3751 - 001G6500 - 001G6501

002**LB38** Circuit board for emergency operation and battery charging.



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**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 Kiara-series flashing light (the KIAROS base is necessary).



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

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: 001G4000 - 001G6000

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 Kiara-series flashing light (the KIAROS base is necessary).



Accessories for: 001G4000

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: 001G0402

001**G0405** Fastening flange.



Accessories for: 001G0401

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: 001G6000

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: 001G0601

001**G0603** Red rubber shock-proof edge with end caps.



001**G0460** Pack of six 24 V light bulbs.



THE COMPLETE RANGE

Code Description

Accessories for: 001G0602

001G0605 Fastening flange.



Accessories for: 001G4000 - 001G6000

002LB38 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.

001G3750 - 001G3751

Guide to choosing springs for the 001G0402 boom

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

001G3750 - 001G3751

Guide to choosing springs for the 001G03750 boom

MODELS	Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm ● Springs 001G06080 Ø 55 mm					
	LATERAL CLEARANCE WIDTH (m)					
BOOM COMPOSITION	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.	●	●	●	●		

001G6500 - 001G6501 - 001G6000

Guide to choosing springs for the 001G06850 boom

MODELS	Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm ● Springs 001G06080 Ø 55 mm								
	LATERAL CLEARANCE WIDTH (m)								
BOOM COMPOSITION	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
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




001G02808 For lateral clearance up to 3 m (for: 001G3750 - 001G3751) and up to max. 5 m (for: 001G6500 - 001G6501).

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.

Code	Description
120 V AC barriers with 24 V DC gearmotor and built-in control panel	
001 G4010 	Barrier made of painted galvanized steel set up to fit accessories. The barrier includes balancing springs (one item 001G04060).
001 G6010 	Barrier made of painted galvanized steel set up to fit accessories. The barrier includes balancing springs (two item 001G04060).
Accessories for: 001G4010 - G6010	
002 LB38 	Circuit board for emergency operation and battery charging.
Accessories for: 001G4010	
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: 001G0401	
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: 001G0402	
001 G0405	Fastening flange.
Accessories for: 001G6010	
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: 001G0601	
001 G0603	Red rubber shock-proof edge with end caps.
001 G0460	Pack of six 24 V light bulbs.
Accessories for: 001G0602	
001 G0605	Fastening flange.



GARD 3250

Net clearance width of up to 3,25 m

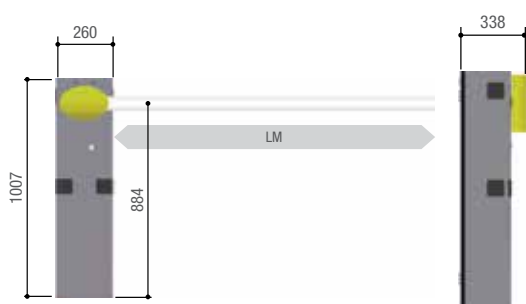


Specific solution for parking facilities with heavy traffic

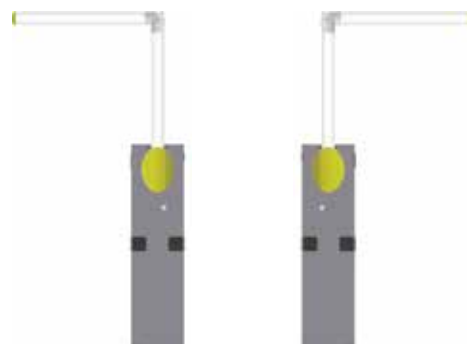
- A barrier with a liner design, ideal for blending into any setting, and made of sturdy plate steel.
- Both the flashing light and the photocells can be directly fitted onto the cabinet to ensure safety and durability over time.
- The protective carter ensures maximum safety when the boom is moving.
- Powered by 24 V DC, it is the ideal solution when heavy traffic goes through the passage point.



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 G03250	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 (the KIAROS base is necessary).
-------------------	---



Accessories for: 001G03250K	
-----------------------------	--

001 G03755DX	Joint for semi-oval section boom for right-hand barriers.
---------------------	---



001 G03755SX	Joint for semi-oval section boom for left-hand barriers.
---------------------	--



Accessories for: 001G03250	
----------------------------	--

002 LB38	Circuit board for emergency operation and battery charging.
-----------------	---



GARD 5000

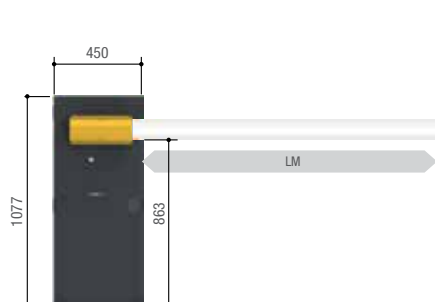
Net clearance width of up to 5 m



Specific solution for access points with heavy traffic

- A barrier with a liner design, ideal for blending into any setting, and made of sturdy plate steel.
- Both the flashing light and the photocells can be directly fitted onto the cabinet to ensure safety and durability over time.
- A 24 V DC-powered motor with encoder is the ideal solution to guarantee those high-volume passages.
- Control board with display designed to connect to the Cloud via CAME Connect.
- Compatible with 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
Absorption (A)	15 Max.
Power (W)	200
Opening time at 90° (s)	4 ÷ 8
Duty/cycle (%)	HEAVY-DUTY SERVICE
Torque (Nm)	600
Operating temperature (°C)	-20 ÷ +55

● 24 V DC

Code Description

Barriers with 24 V DC gearmotor and built-in control panel

001G5000 Barrier with encoder made of galvanized painted steel ready to fit accessories. The barrier includes balancing springs (two item 001G04060).



Accessories for: 001G5000

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.



001PSRT01 Heater kit with thermostat.



Accessories for: 001G05350

001G028401 LED luminous cord.



001G028402 Cable for connecting the luminous cord.



Accessories for: 001G5000

002LB39 Circuit board for emergency operation and battery charging.



Accessories

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



001R700 Card for decoding and access control with transponder.



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



001G0468 Support for fitting onto the DELTA-I and DELTA-SI photocells cabinet.



001G04601 Adapter for fitting the Kiara-series flashing light (the KIAROS base is necessary).



001G0465 Painted aluminum skirt (modules L = 2 m).



001G02807 Fixed rest.



001G02808 Swing rest.



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



GARD 3

Net clearance width of up to 2,75 m

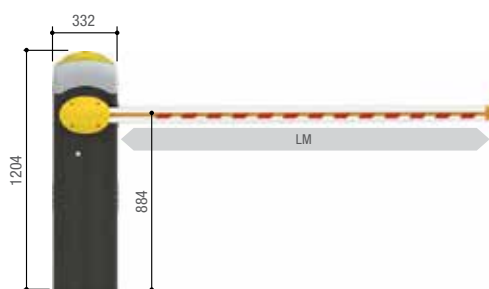


Ideal for entry and exit points with heavy traffic

- A modernly designed barrier, with perfectly blended aesthetics and perfection for any application.
- The built-in flashing light ensures safety and endurance, while the photocells can be installed directly onto the barrier cabinet.
- Protective casing, in version with tube-shaped boom.
- G03002, ensures maximum safety when the boom is moving
- 24 V DC gearmotor is the ideal solution to ensure heavy-duty service levels.
- Available with special accessories for detachable booms to use in applications that need maximum safety features.



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
semioval 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	120 - 230 AC	120 - 230 AC	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.



GARD 4

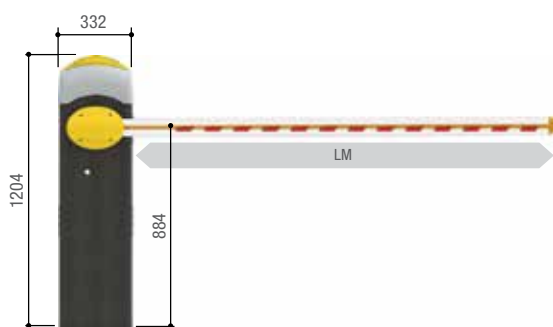
Net clearance width of up to 3,75 m



Ideal for entry and exit points with heavy traffic

- A stylishly modern barrier with aesthetics that blend into any setting.
- The LED dome flashing light is durable and provides safety, while the photocells can be integrated into the cabinet.
- The protective case protects the boom movement against possible shearing while opening and closing.
- The 24 V DC power supply is the best choice for heavy duty service conditions.
- It can work in either paired or alternate mode, with the RSE card (for G4040E - G4040IE - 4040EZT barriers).
- The G4040EZ and G4040EZT models are set up for connecting to the cloud via CAME Connect as well as for using CAME KEY.

Dimensions (mm)



LM = Max. net clearance width



Applications



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.

Operational limits

MODELS	G4040Z	G4040IZ	G4040E	G4040IE	G4040EZ	G4040EZT	G4140IZ	G4140Z
Max. net clearance width (m)	3,75	3,75	3,75	3,75	3,75	3,75	3,75	3,75

Technical characteristics

MODELS	G4040Z	G4040IZ	G4040E	G4040IE	G4040EZ	G4040EZT	G4140IZ	G4140Z
Protection rating (IP)	54	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	120 AC	120 AC
Power supply to motor (V)	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC
Absorption (A)	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.
Power (W)	300	300	300	300	300	300	300	300
Opening time at 90° (s)	2 ÷ 6*	2 ÷ 6*	2 ÷ 6*	2 ÷ 6*	2 ÷ 6*	2 ÷ 6*	2 ÷ 6*	2 ÷ 6*
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Torque (Nm)	600	600	600	600	600	600	600	600
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

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

● 24 V DC

Code Description

Barriers with 24 V DC gearmotor and built-in control panel	
001 G4040Z 	Galvanized, painted steel and set up for fitting accessories.
001 G4040IZ 	Barrier made of satin-coated AISI 304 stainless steel, set up for fitting accessories.
001 G4040E 	Barrier with encoder, made of painted, galvanized steel and set up to take accessories.
001 G4040IE 	Barrier with encoder, made of AISI 304 satin-finish stainless steel, set up to take accessories.
001 G4040EZ 	Barrier with encoder, made of painted, galvanized steel and set up to take accessories.
001 G4040EZT 	Painted galvanized-steel barrier with encoder, ready to fit accessories, with boom-position signaling via 1 A max - 24 V DC clean contacts Features high-performance bronze gears.



WE CONNECT. YOU CONTROL.

Cloud connectivity changes how we experience operators. This technology revamps our lifestyles, to ensure comfort and safety. We have put all our CAME Connect products online. In this way we can control them from any smartphone or tablet. Download CAME Automation APP from Google Play or the App Store.



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

Accessories for: 001G4040Z - 001G4040IZ - 001G4140IZ - 001G4140Z

002**LB38** Circuit board for emergency operation and battery charging.



Accessories for: 001G4040E - 001G4040IE - 001G4040EZ - 001G4040EZT

002**LB39** Circuit board for emergency operation and battery charging.



Accessories for: 001G4040E - 001G4040IE - 001G4040EZT

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



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



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



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**G03751** Brace for fitting emergency batteries.



001**G03750** Semi-oval section barrier made of white, painted aluminum, with groove strip and shock-resistant fender. Boom length: 4 m.



001**G03752** White painted semi-oval section boom, with groove covering profile. Boom length: 4 m.



001**G028401** LED luminous cord.



001**G028402** Cable for connecting the luminous cord.



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**PSRT01** Heater kit with thermostat.



Code Description

Accessori per: 001G03752

001G03753 Fastening flange for semi-oval section boom.



Accessories for: 001G03750

001G03756 Inner reinforcement for semi-oval section barrier; indispensable for gross clearances exceeding 2.5 m.



001G03755DX Joint for semi-oval section boom for right-hand barriers.



001G03755SX Joint for semi-oval section boom for left-hand barriers.



001G04003 BASIC, detaching, boom fastener.



001G04002 PLUS, detaching, boom fastener.



NOTES:

002LB38 - Three 12 V - 7 Ah batteries (not supplied); there is an inner housing in: 001G4040Z - 001G4040IZ - 001G4140Z - 001G4140IZ

002LB39 - Two 12 V - 7 Ah batteries (not supplied). The 001G4040E - 001G4040IE - 001G4040EZ - 001G4040EZT feature an internal battery housing.

001G4040Z - 001G4040IZ - 001G4040E - 001G4040IE

001G4040EZT - 001G4140IZ - 001G4140Z

Guide to choosing springs for the 001G03752 boom.

MODELS	● Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm ● Springs 001G06080 Ø 55 mm					
	LATERAL CLEARANCE WIDTH (m)					
BOOM COMPOSITION	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	● Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm ● Springs 001G06080 Ø 55 mm					
	LATERAL CLEARANCE WIDTH (m)					
BOOM COMPOSITION	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.	●	●	●	●		

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.

120 THE COMPLETE 120 V AC RANGE

Code	Description
120 V AC barriers with 24 V DC gearmotor and built-in control panel	
001 G4140IZ 	Barrier made of satin-coated AISI 304 stainless steel, set up for fitting accessories.
001 G4140Z 	Galvanized, painted steel and set up for fitting accessories.



GARD 8

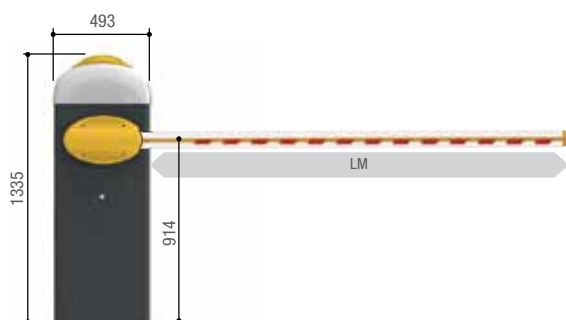
Net clearance width of up to 7,6 m



Ideal for industrial facilities and apartment blocks

- A modern style, aesthetically pleasing barrier.
- The LED dome flashing light is durable and provides safety, while the photocells can be integrated into the cabinet.
- The protective case protects the boom movement against possible shearing while opening and closing.
- The 24 V DC power supply is the ideal choice for heavy-duty service.
- It can open in pair or alternate mode, by fitting the RSE control card (for the G2080E and G2080IE barriers).
- Compatible with CAME KEY.

Dimensions (mm)



LM = Max. net clearance width



Applications



G208011
Detaching boom fastener.
After impact, the end of the detached boom rests onto the ground.

Operational limits

MODELS	G2080Z	G2080IZ	G2080E	G2080IE	G2080EZT	G2080EZC	G2180ZS	G2180Z
Max. net clearance width (m)	7,6	7,6	7,6	7,6	7,6	7,6	7,6	7,6

Technical characteristics

MODELS	G2080Z	G2080IZ	G2080E	G2080IE	G2080EZT	G2080EZC	G2180ZS	G2180Z
Protection rating (IP)	54	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	120 AC	120 AC
Power supply to motor (V)	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC	24 DC
Absorption (A)	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.	15 Max.
Power (W)	300	300	300	300	300	300	300	300
Opening time at 90° (s)	4 ÷ 8*	4 ÷ 8*	4 ÷ 8*	4 ÷ 8*	4 ÷ 8*	4 ÷ 8*	4 ÷ 8*	4 ÷ 8*
Duty/cycle (%)	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Torque (Nm)	600	600	600	600	600	600	600	600
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

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

● 24 V DC

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 G2080EZT	Barrier with encoder made of galvanized painted steel ready to fit accessories. Features high-performance bronze gears.
---------------------	---



001 G2080EZC	Barrier with encoder, made of painted, galvanized steel and set up to take accessories.
---------------------	---



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

Accessories for: 001G2080Z - 001G2080IZ - 001G2180Z - 001G2180ZS

002LB38 Circuit board for emergency operation and battery charging.



Accessories for: 001G2080E - 001G2080IE - 001G2080Ezt

002LB39 Circuit board for emergency operation and battery charging.



Accessories for: 001G2080E - 001G2080IE - 001G2080Ezt

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.



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.



001G02805 Rack for housing the emergency batteries.



001G02000 White painted, tube-section aluminum boom, with groove covering profile. Ø 100 mm, boom length: 2 m.



001G04000 White painted, tube-section aluminum boom, with groove covering profile. Ø 100 mm, boom length: 4 m.

001G06000 White painted, tube-section aluminum boom, with groove covering profile. Ø 100 mm, boom length: 6 m.

NOTES:

002LB38 - Three 12 V - 7 Ah batteries (not supplied); there is an inner housing in: 001G2080Z - 001G2180Z - 001G2180ZS

002LB39 - No. 2 12 V - 7 Ah batteries (not supplied); there is an inner battery housing on: 001G2080E - 001G2080IE - 001G2080Ezt - 001G2080Ezc

001G2080Z - 001G2080IZ - 001G2080E - 001G2080IE - 001G2080Ezt - 001G2080Ezc - 001G2180ZS - 001G2180Z Guide to choosing springs for the 001G02000 - 001G04000 - 001G06000 booms

MODELS	● Springs 001G02040 Ø 40 mm ● Springs 001G04060 Ø 50 mm ● Springs 001G06080 Ø 55 mm										
	LATERAL CLEARANCE WIDTH (m)										
BOOM COMPOSITION	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 G028401	LED luminous cord.
001 G028402	Cable for connecting the luminous cord.
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: 001G04000	
001 G06803	Boom joint, with inner reinforcement.



120 THE COMPLETE 120 V AC RANGE

120 V AC barriers with 24 V DC gearmotor and built-in control panel	
001 G2180ZS 	Painted galvanized-steel barrier ready to fit accessories, fitted with boom-position signalling via 1 A max - 24 V DC clean contacts.
001 G2180Z 	Galvanized, painted steel and set up for fitting accessories.



WARNING! DO NOT EXCEED THE STATED OPERATING LIMITS

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

GARD 12

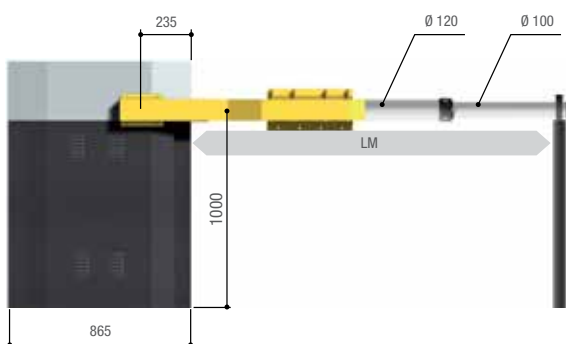
Net clearance width of up to 12 m



Ideal solution for special or exceptional clearance widths

- Two gearmotors installed in the cabinet and fitted along the same axis to provide greater motor torque.
- The boom moves safely and reliably thanks to its special modular, counter-weight, balancing system, depending on the length of the boom.
- A vast range of control and safety accessories for a fully fitted installation.
- The 24 V DC power supply is ideal for ensure optimal control of the boom's movement.

Dimensions (mm)



LM = Max. net clearance width



Operational limits

MODELS	001G12010K	001G12010KS	G12000K
Max. net clearance width (m)	12	12	12

Technical characteristics

MODELS	001G12010K	001G12010KS	G12000K
Protection rating (IP)	54	54	54
Power supply (V - 50/60 Hz)	120 AC	120 AC	230 AC
Power supply to motor (V)	24 DC	24 DC	24 DC
Absorption (A)	15 Max.	15 Max.	15 Max.
Power (W)	300	300	300
Opening time at 90° (s)	10	10	10
Duty/cycle (%)	50	50	50
Torque (Nm)	600	600	600
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

● 24 V DC

Code Description

Barriers with 24 V DC gearmotor and built-in control panel

001**G12000K** Barrier made of painted, galvanized steel.



Accessories for: 001G12000K - 001G12010K - 001G12010KS

002**LB38** Circuit board for emergency operation and battery charging.



Obligatory accessories for: 001G12000K - 001G12010K - 001G12010KS

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.



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 - 001G12010K - 001G12010KS



THE COMPLETE 120 V AC RANGE

120 V AC barriers with 24 V DC gearmotor and built-in control panel

001**G12010K** Barrier made of painted, galvanized steel.






001**G12010KS** Painted galvanized-steel barrier, with boom position signalling via 1 A max - 24 V DC clean contacts.





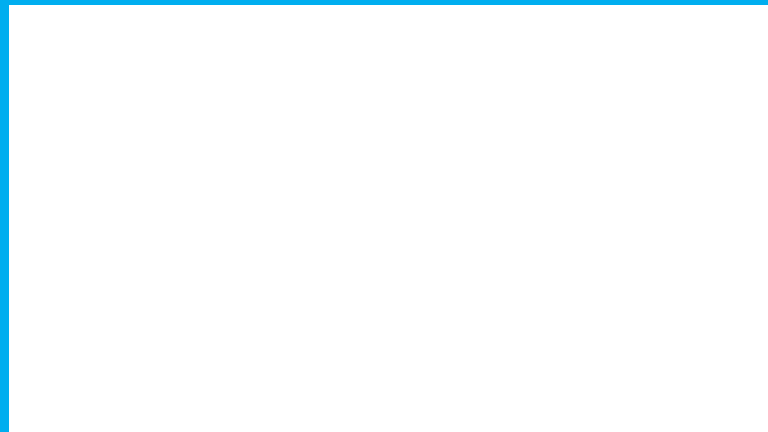
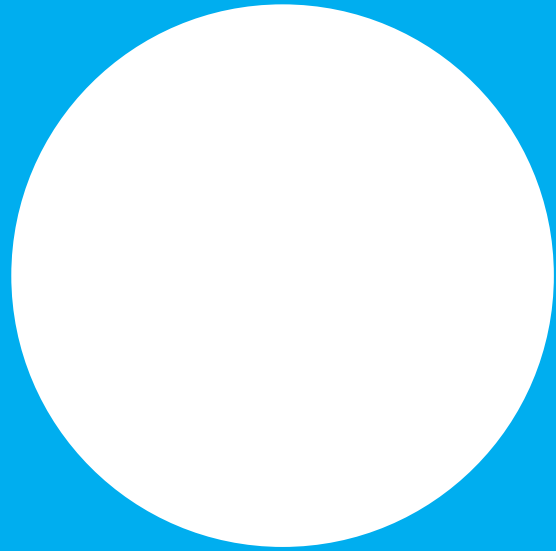
The table shows all of the characteristics of the street barrier control-panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.

											
Models / Series	G2500	G4010 G6010	G4140Z G4140IZ G2180Z G2180ZS	G12010K G12010KS	G4040E G4040IE G2080E G2080IE	G4040EZT G4040EZ G2080EZC G2080EZT G5000	G3750 G3751 G4040Z G4040IZ G2080IZ G6500 G6501 G3250	G12000K G12010K G12010KS	G3000DX G3000SX G3000IDX G3000ISX	803BB-0070	803BB-0120
Control board / Control panel	ZC5	ZL37F	ZL38	ZL37B	ZL39	ZL39EX	ZL38	ZL37B	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											
PEDESTRIAN 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											
OPERATING TIME adjusting	●				●	●			●		
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●	●	●	●	●	●
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			●		●	●	●			●	●
TRAVEL and SLOW DOWN SPEEDS 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										●	●
Connection to the solar panel					●	●					

● 120 - 230 V AC ● 24 - 36 V DC

* Only available in paired mode

INDUSTRIAL ENTRANCES



CAME.COM

184	Guide to choosing
186	F4000
188	CBX
193	ELECTRONIC FUNCTIONS INDUSTRIAL ENTRANCES

Guide to choosing

Industrial entrances

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



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.

Now the new DADOO models are available, with LED lighting. Newly shaped, DADOO is light, practical and quick to install.

We have also revamped our KIARO range. It now features LED lighting models that bring you energy savings and longer life.



F4000

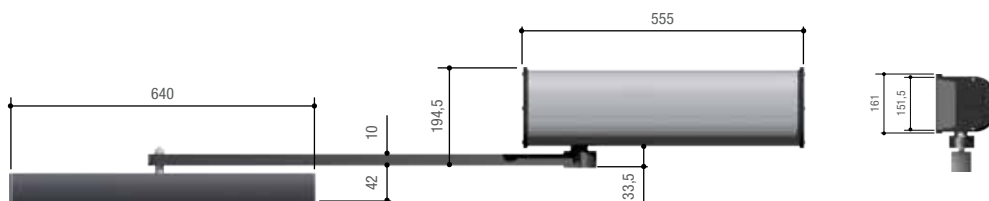
Doors up to 2 m



Ideal solution for fitting on swing-leaf and folding doors

- EN TESTED models with encoder for maximum operating safety and user-friendly management.
- Folding doors with track or with two swing leaves.
- Easily installable with the aluminum alloy anchoring base.
- It can be installed either on the right or left thanks the symmetrical inputs on the gear shaft.
- It can also be surface-installed as its IP54-rated gaskets protect it from soiling and weathering.
- The maneuvering and slow-down speeds, plus the obstruction detecting can be adjusted for opening and closing.
- Compatible with CAME KEY (ZLJ14 excluded).

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 doors with two sing-leaves, with safety stop and buttons, graphics alerts-and-programming-display, 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:

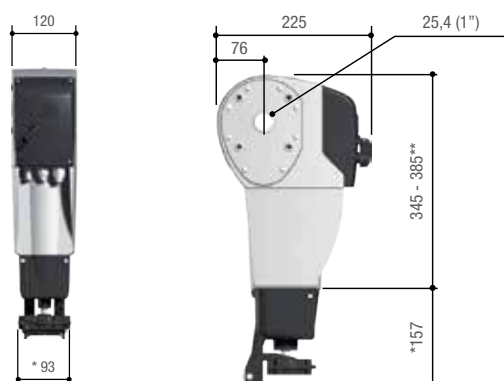
002LB90 - 002LB180 - Two 12 V - 7 Ah batteries (not supplied), on the 002ZLJ14 and the 002ZLJ24 fit a suitable external battery rack.



Ideal for fitting onto sliding and sectional doors

- A complete range available in the following versions: 24 V DC, 230 V AC and 230 – 400 V AC three-phase.
- The C-BXK and the C-BXEK have greater torque performance, to power - at 230 V AC – even the largest of doors.
- Operator for sliding doors, sliding-folding doors and sectional doors with direct transmission.
- The 24 V DC version lets you adjust the travel and slow-down speeds.
- It can open manually by using the handy winch device.
- It fits either horizontally or vertically to meet all needs.
- Some models have on-board encoders for electronically controlling the door's movement.
- Two models at 230 – 400 V AC three-phase, even with encoder, to ensure greater thrust.

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 AC	230 AC	230 AC	230 AC	230-400 V AC THREE PHASE	230-400 V AC THREE PHASE
Power supply to motor (V)	230 AC 50/60 Hz	230 AC 50/60 Hz	230 AC 50/60 Hz	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

001C-BX Gearmotor with mechanical limit-switches.

001C-BXK Gearmotor with mechanical limit-switches.

001C-BXE Gearmotor with encoder.



001C-BXEK Gearmotor with encoder.



Control panels for gearmotors: 001C-BX – 001C-BXK

002ZC3 Control panel with maneuvering thrust functions and self-diagnosing safety-devices.



002ZC3C Control panel with safety stop and buttons plus self-diagnosing safety-devices



002ZM3EC Multifunction control panel for doors with two sing-leaves, with safety stop and buttons, graphics alerts-and-programming-display, plus self-diagnosing safety devices.



Control panels for gearmotors: 001C-BXE – 001C-BXEK

002ZCX10 Multifunction control panel with alerts-and-programming graphics display plus self-diagnosing safety-devices.



002ZCX10C Multifunction control panel with safety stop and buttons, with alerts-and-programming graphics display plus self-diagnosing safety-devices.



24 V DC gearmotors

001C-BXE24 Gearmotor with encoder.



Control panels for gearmotor: 001C-BXE24

002ZL80 Multifunction control panel with alerts-and-programming graphics display plus self-diagnosing safety-devices.



002ZL80C Multifunction control panel with safety stop and buttons, with alerts-and-programming graphics display plus self-diagnosing safety-devices.



Accessories for: 002ZL80 and 002ZL80C

002LBD2 Circuit board for emergency operation and battery charging.



NOTES:

002BN1 - Two 12 V – 1.2 Ah batteries (not supplied), on the 002ZL80 and the 002ZL80C fit a suitable external battery rack.

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**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).

001**C010** Winch for manual drive with DIN 766 Ø 3 mm chain (chain L = 10 m).

Accessories

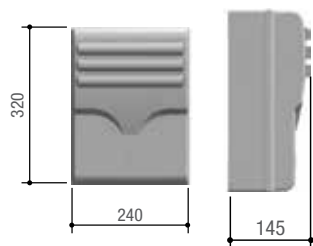
001**CMS** Release handle with customized key and resetting pull-cord L = 7 m.

001**C002** Hanging release system.



CONTROL PANEL DIMENSIONS




Dimensions (mm)



002ZLJ14	002ZT5
002ZC3	002ZT5C
002ZC3C	001ZT6
002ZM3E	002ZT6C
002ZM3EC	002ZL80
002ZLJ24	002ZL80C
002ZCX10	
002ZCX10C	



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.

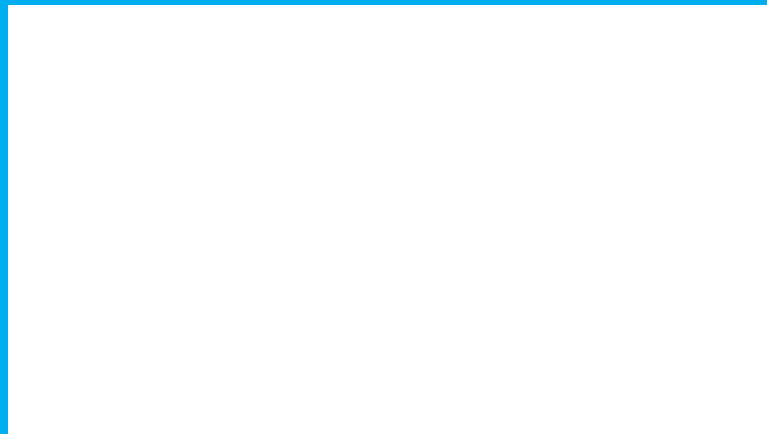
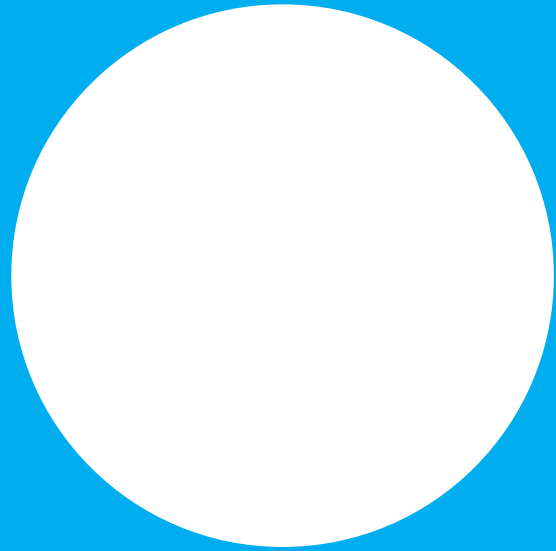
									
Models / Series	F40230E	F40230E C-BX C-BXK	F4024E	F4024E	C-BX C-BXK	C-BXE C-BXEK	C-BXE24	C-BXET	C-BXT
Control board / Control panel	ZM3E	ZM3EC	ZLJ14	ZLJ24	ZC3 ZC3C	ZCX10	ZL80 ZL80C	ZT5 ZT5C	ZT6 ZT6C
Functions	Safety								
SELF-DIAGNOSING safety decives	●	●	●	●	●	●	●	●	●
PRE-FLASHING when opening and 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	●	●		●					
	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	●	●	●	●	●	●	●	●	●
OPERATING TIME adjusting	●	●	●	●	●	●	●	●	
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●	●	●	●
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						●	●	●	●
TRAVEL and SLOW DOWN SPEEDS adjustable*	●	●	●	●			●		
DISPLAY	●	●	●	●		●	●	●	
Electronic brake					●	●		●	●
SELF-LEARNING opening and closing limit-switches	●	●	●	●					
CRP control	●	●		●					

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

NOTES

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

ROLLER SHUTTERS



CAME.COM

196	Guide to choosing
198	H4
201	ELECTRONIC FUNCTIONS ROLLER SHUTTERS

Guide to choosing

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



ROLLER SHUTTERS

Operator used for closing business, as well as, residential premises.



The flashing light: For extra safety!

CAME suggests installing the flashing light for signaling that the mechanical parts are moving.

Today the new DADOO models are available, with LED lighting. With its completely overhauled shape, it is light, user-friendly and quick to install.

We have also revamped our KIARO range. It now features LED lighting models that bring you energy savings and longer life.

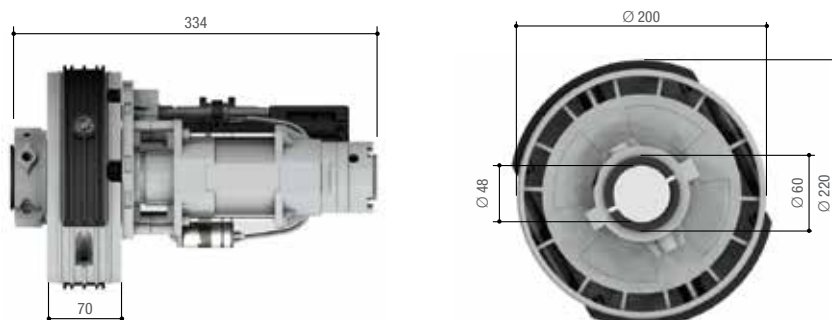


Ideal for winding shutters in single homes and apartment blocks

- 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

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.
-----------------	---

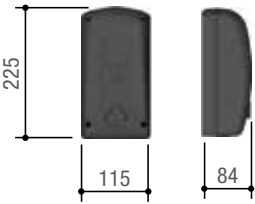
Accessories for: 001H40230120 - 001H40230180	
--	--

001 H3001	Safety casing with release knob and control button for pull-cord releasing.
------------------	---



CONTROL PANEL DIMENSIONS

Dimensions (mm)



809QA-0010

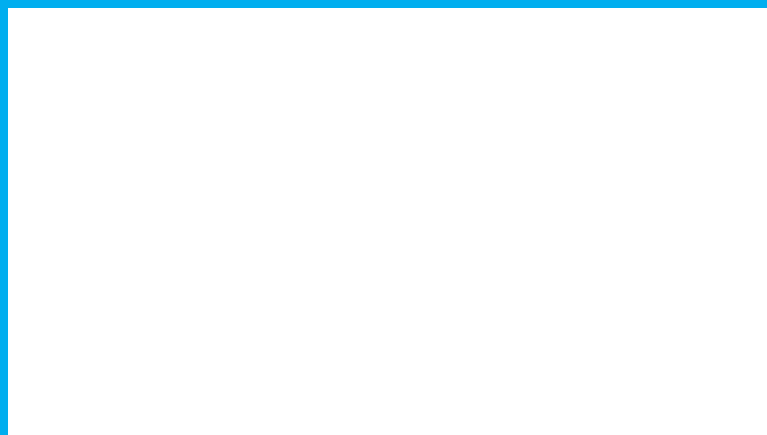
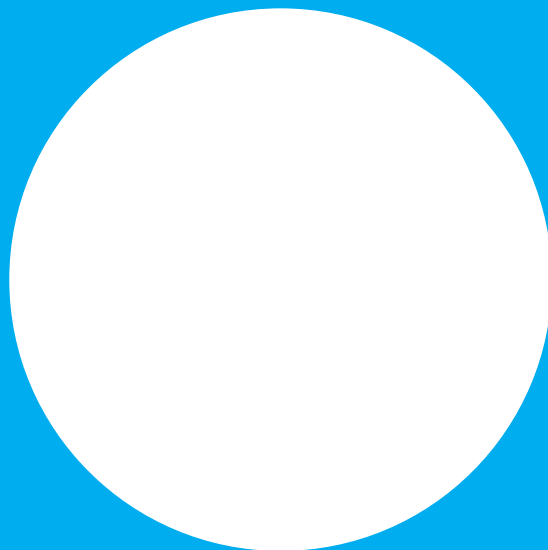


The table shows all of the characteristics of the winding-shutter dedicated control panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.

Models / Series	H40230120 H41230120 H40230180 H41230180														
Control board / Control panel	809QA-0010														
Functions	Safety														
SELF-DIAGNOSING safety devices	●														
REOPENING during closing	●														
TOTAL STOP	●														
	Command														
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	●														
COURTESY LIGHT connection	●														
Antenna	●														
OPERATING TIME adjusting	●														
SELF-LEARNING of the transmitter's RADIO CODE	●														
Adjustable AUTOMATIC CLOSING AGAIN TIME	●														

● 230 V AC

PARKING GUARD AND CHAIN BARRIERS



CAME.COM

204	Guide to choosing
206	UNIPARK
208	CAT
211	ELECTRONIC FUNCTIONS PARKING GUARD AND CHAIN BARRIER

Guide to choosing

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

120 V AC parking guards and chain barriers

Series	Model	Max. net clearance width (m)
CAT	CAT-X110 + CAT-I + CAT-5	8
CAT	CAT-X24110 + CAT-I + CAT-5	8
CAT	CAT-X110 + CAT-I + CAT-15	16
CAT	CAT-X24110 + CAT-I + CAT-15	16

● 230 V AC ● 24 V DC



FOR SINGLE PARKING SPACES

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

CAME 



FOR MULTIPLE PARKING SPACES

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

New LED technology.

DADOO is the designer LED-technology flashing light. Completely reshaped, it is almost weightless, user-friendly and quick to install.

Energy efficiency is about lower consumption (6 W), compared to traditional incandescent light bulbs. Dadoo is the only truly universal LED flashing light because it works with different voltages: 230 V AC - 120 V AC - 24 V AC DC.

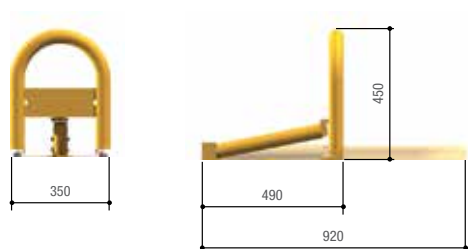


Ideal for parking guards in residential and public settings

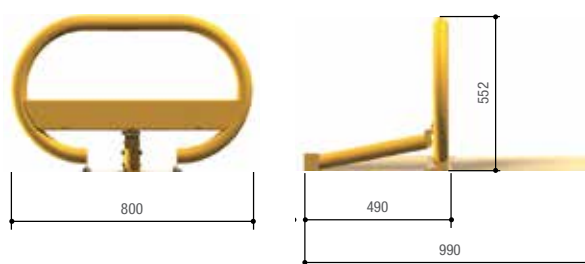
- A novel idea for reserving your parking space. Radio controlled.
- It works in emergency mode during power outages.
- There are two models available, small and large, and features a simple, functional fastening base.
- Safety is ensured by the amperometric obstruction-detecting and limit-switch controlling 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:

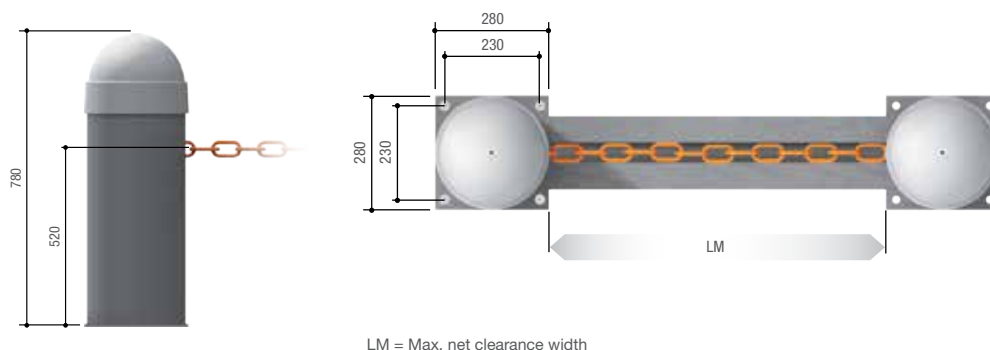
002LB22 - Two 12 V - 1.2 Ah batteries (not supplied), on 001UNIP there is an inner battery housing.



Ideal solution for fitting in historical town centers and private and public venues

- A CAME patented proposal for managing reserved parking areas.
- Made of steel, this product is sturdy and even resists accidental impacts.
- The guides ensures that the chain is protected when vehicles drive over it.
- The 24 V DC version allows for obstruction detection and chain-speed adjustments.
- Quick and easy to install.

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	CAT-X110	CAT-X24110
Protection rating (IP)	54	54	54	54
Power supply (V - 50/60 Hz)	230 AC	230 AC	120 AC	120 AC
Power supply to motor (V)	230 AC 50/60 Hz	24 DC	230 AC 50/60 Hz	24 DC
Absorption (A)	2,7	10 Max.	5,4	10 Max.
Power (W)	300	240	300	240
Duty/cycle (%)	30	HEAVY-DUTY SERVICE	30	HEAVY-DUTY SERVICE
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	-	150	-

● 120 - 230 V AC ● 24 V DC

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: 001CAT-X24 - 001CAT-X24110

002**LB38** Circuit board for emergency operation and battery charging.



Chain-barrier post, for: 001CAT-X - 001CAT-X24 - 001CAT-X110 - 001CAT-X24110

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 - 001CAT-X24110
002LB38 - Three 12 V - 7 Ah batteries (not supplied), set up an external battery housing on: 001CAT-X24 - 001CAT-X24110



THE COMPLETE 120 V AC RANGE

120 V AC chain barriers

001**CAT-X110** Post with gearmotor and built-in control panel.



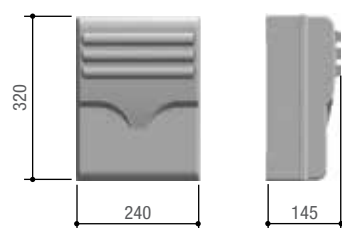
24 V DC chain barrier

001**CAT-X24110** Post with gearmotor and built-in control panel.



CONTROL PANEL DIMENSIONS



Dimensions (mm)



002ZL22

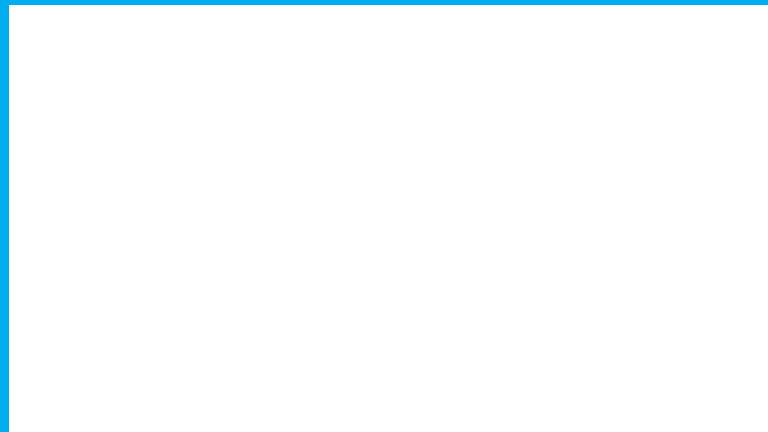
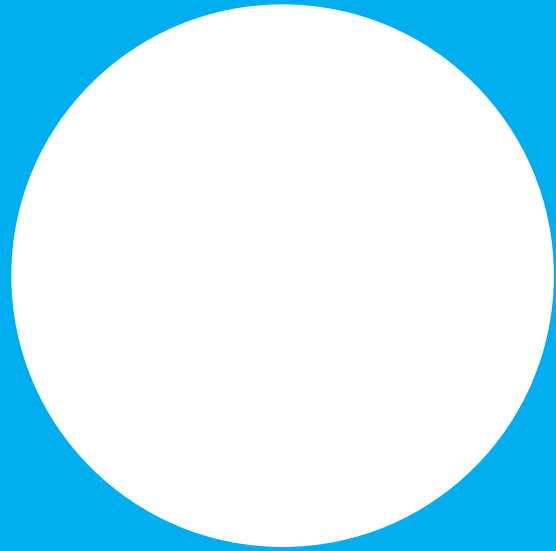


The table shows the characteristics of the parking system and chain barrier, operator-specific, control panels.
The ones in bold type are important for choosing which operator to install and should be assessed from the start.

																			
Models / Series	CAT-X	CAT-X110	CAT-X24110	CAT-X24	UNIPARK														
Control board / Control panel	ZC5	ZC5110	ZL37C110	ZL37C	ZL22														
Functions	Safety																		
PRE-FLASHING when opening and closing			●	●															
REOPENING during closing	●	●	●	●	●														
TOTAL STOP	●	●	●	●	●														
OBSTRUCTION DETECTION in front of photocells			●	●															
AMPEROMETRIC DETECTION			●	●	●														
	Command																		
ONLY OPEN or ONLY CLOSE button connection	●	●	●	●															
OPEN-CLOSE-INVERT from the transmitter and/or button	●	●	●	●	●														
MAINTAINED ACTION			●	●															
IMMEDIATE CLOSING			●	●															
	Characteristics																		
FLASHING LIGHT connection	●	●	●	●															
Antenna	●	●	●	●	●														
OPEN ALERT LIGHT connection	●	●	●	●															
CLOSED ALERT LIGHT connection	●	●																	
OPERATING TIME adjusting	●	●																	
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●														
Adjustable AUTOMATIC CLOSING AGAIN TIME	●	●	●	●															
EMERGENCY BATTERY operation (optional)			●	●	●														
TRAVEL and SLOW DOWN SPEEDS adjustable*			●	●															

● 120 - 230 V AC ● 24 V DC

CONTROL AND SAFETY ACCESSORIES



CAME.COM





214	Guide to choosing
226	Gateway
230	SEL Key
232	SEL Digital
236	DAD00
238	KIARO
240	DFWN
242	RIO System 2.0
244	DB
246	DXR
248	DELTA-DIR
252	TOP - Rolling Code
256	TOP - Fixed Code
260	ATOMO D
262	TOP 433.92 MHz
264	TOP 868.35 MHz
266	TWIN

Guide to choosing

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	DB	Cordless RX / TX	001DBC01	
	Surface mounted	DB	Cordless RX / TX	001DBS01	
	Surface mounted	DB	Cordless RX / TX	001DBS02	
	Surface mounted	DB	Transmitter module	001DBCT	
Wireless safety systems	Surface mounted	RIO System 2.0	Wireless 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	806SS-0050	





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
Flashing lights	120 - 230 V AC	KIARO	LED	001KLED
	24 V AC - DC	KIARO	LED	001KLED24
	120 - 230 V AC 24 V AC - DC	DAD00	Amber	001DD-1KA
	120 - 230 V AC 24 V AC - DC	DAD00	Blue	001DD-1KB





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	Transponder digital	806SL-0110	
	Recess mounted	SEL Digital	Transponder digital	806SL-0120	
	Surface mounted	SEL Digital	Keypad digital	806SL-0150	
	Recess mounted	SEL Digital	Keypad digital	806SL-0160	
	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	With key	806SL-0051	
	Recess mounted	SEL Key	With key	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	
			4 buttons	806TS-0100	
			4 buttons	806TS-0101	
			4 buttons	806TS-0102	
			4 buttons	806TS-0103	
			4 buttons	806TS-0104	
			4 buttons	806TS-0105	

CONTROL ACCESSORIES

Product	Characteristic	Series	Type	Code	
	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	



THE SAFETY

GENERAL CHARACTERISTICS



PHOTOCELLS: 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.



PHOTOCELLS: THE WIRELESS VERSION

Since the signal is transmitted as an infrared beam, the system's moving leaf can be protected by a sensitive safety-edge, without needing complex cable-laying work.



THE FLASHING LIGHT: DADOO AND THE LED-LIT KIARO VERSIONS

DADOO is the new designer flashing light with LED lighting. Completely new in shape, it is light, user-friendly and quick to install. The energy efficiency comes from lower consumption levels (6 W). Belonging to the KIARO family, and new models are available today.



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.



The photocells DELTA-S series

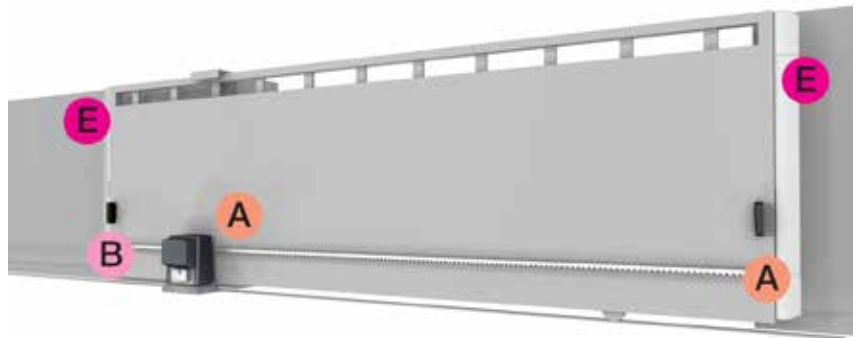
The synchronized, infrared-beam technology allows fitting 001DELTA-SI and 001DELTA-SE photocells without having to switch the position of the transmitters and receivers, when the pairs are close to each other.

DELTA S makes possible installing multiple devices on posts and DOC-series recess-mounted casings, without any problems of interference of the beam between the devices.

THE DB INTEGRATED COVERAGE SYSTEM

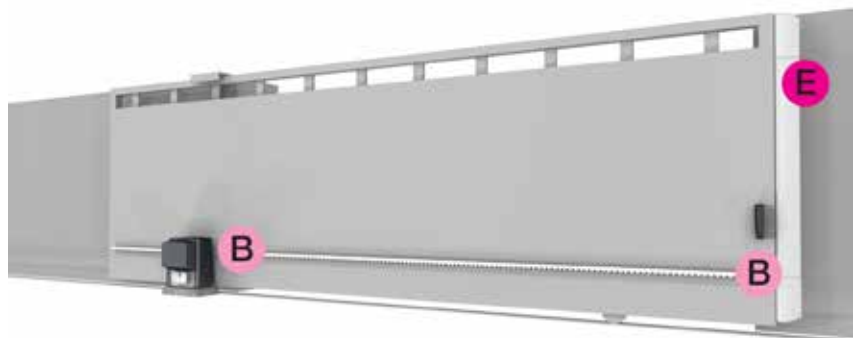
EXAMPLE OF PROTECTION
INTEGRATED WITH PHOTOCELL AND
SENSITIVE SAFETY-EDGE SYSTEM,
WITH:
TWO-WAY RECEIVER

- A** = Pair of 001DBS02 photocells
- B** = 001DBCT transmitter module
- E** = DFWN-series sensitive safety-edges



EXAMPLE OF PROTECTION
INTEGRATED WITH PHOTOCELL AND
SENSITIVE SAFETY-EDGE SYSTEM,
WITH:
ONE-WAY RECEIVER

- B** = Pair of 001DBS01 photocells
- E** = DFWN-series sensitive safety-edges



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 DFWN 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.

HOW TO INSTALL

EXAMPLE FITTED ONTO SLIDING GATE

- A** = Transmitter 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 (surface mounted) or 806SS-0040 (plug-in for the BXV series).

INSTALLATION ACCESSORIES:

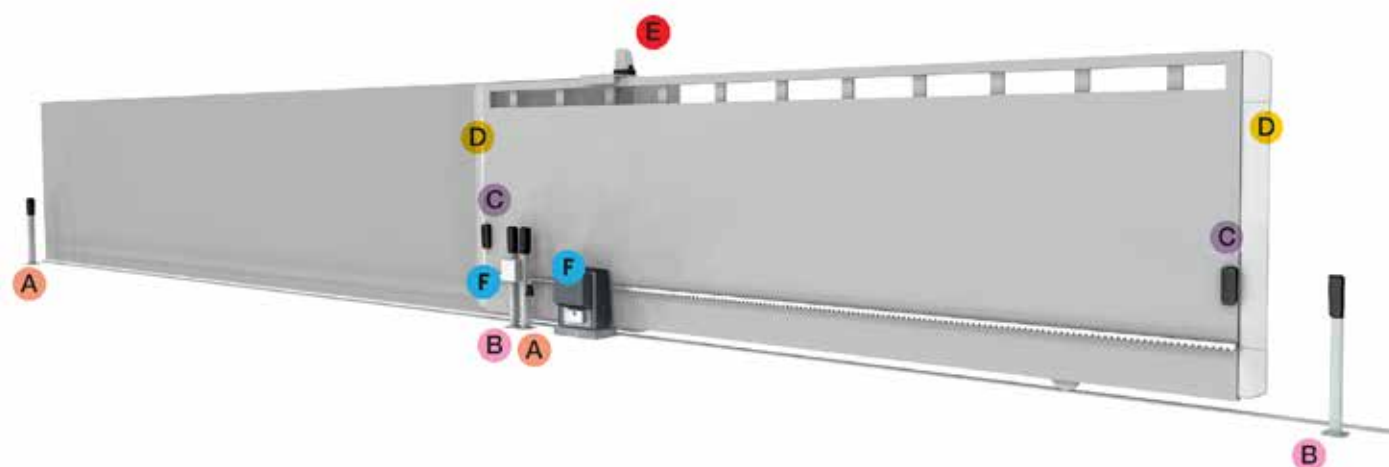
FOR RIO SYSTEM 2.0-SERIES PHOTOCELLS

001DB-L Post made of natural-finish anodized aluminum.

001DB-LN Post made of black anodized aluminum. H = 500 mm.

FOR RIO System 2.0 FLASHING LIGHT

001KIAROS Base for wall-mounting.



RADIO-FREQUENCY CONTROL

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.



The accessories' posts

CAME makes available a very vast range of aluminum and PVC profiles, that are ready for mounting control and safety accessories.

These are essential elements for completing an automation system. They are available for each series of accessories, in two heights, 500 and 1,000 mm. Your automated system's safety and control are today perfectly integrated!

GENERAL CHARACTERISTICS



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).



TRANSPONDER FUNCTION

The transmitter is set up to take a TAG sensor for combining the use of radio and transponder functions into one device.



The new SEL selectors

These control accessories blend innovative design and CAME high-technology.

All of the devices, in fact, display blue backlighting, for perfect visibility even in the dark.

Each model is available in either the recessed or surface-mounted version and perfectly integrate with the post profiles when not mounting them to a wall.

FUNCTIONS TABLE

Characteristics

SERIES	MODEL	FREQUENCY 433.92 MHz	FREQUENCY 868.35 MHz	MODE TOP	MODE TAM	FUNCTION KEY CODE	MODE 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	001AF868			●	001AF868	
	806SL-0150	001R800**					
	806SL-0160	or 806SL-0230					

NOTES

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

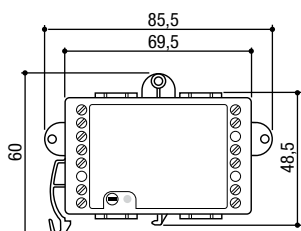
** If required in the control panel, the item is available in the access-control catalog.



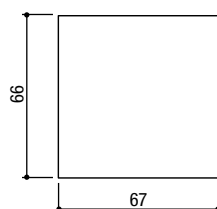
Technology to control automated operators from any remote location

- Possibility to program scenarios and timers, easily and intuitively.
- Possibility to control your operators connected to the Came Remote Protocol.
- Possibility to expand the system by adding radio-frequency modules.
- Manage, on site or off site, all compatible devices via one app (842EC-0020).
- The CAME QBE and QBE Setup are free apps downloadable from Google Play or the App Store (842EC-0020 - 806SA-0130).
- The two output relays and two built-in digital inputs let you control an operator's openings and closings without using Came Remote Protocol (806SA-0010 - 806SA-0020 - 806SA-0030).
- Gateways available in either Ethernet or GSM version, both with built-in radio-frequency module (806SA-0010 - 806SA-0030).
- The basic GSM version without built-in radio-frequency module is also available (806SA-0020).
- CAME AUTOMATION APP free and downloadable from Google Play or the App Store (806SA-0010 - 806SA-0020 - 806SA-0030).

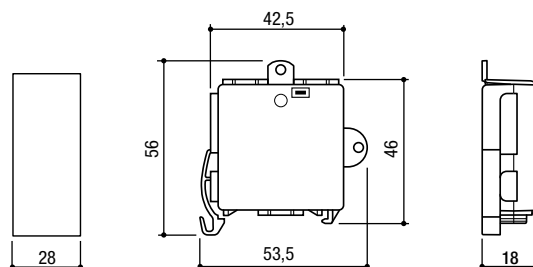
Dimensions (mm)



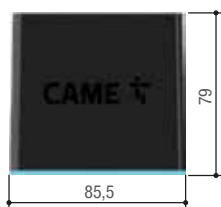
806SA-0010
806SA-0020



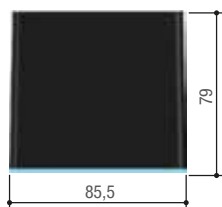
806SA-0030



806SA-0040



842EC-0020
806SA-0130


















Technical characteristics

MODELS	842EC-0020	806SA-0130	806SA-0020	806SA-0010	806SA-0030	806SA-0040	UR042
Protection rating (IP)	30	30	-	-	-	-	-
Power supply (V)	5 DC	5 DC	12 - 30 AC - DC	12 - 30 AC - DC	230 AC	12 - 30 AC - DC	9 - 30 AC - DC
Radio signal frequency (Mhz)	868,65 - 869,50	869,50	-	869,50	869,50	869,50	-
Data connection technologies	Wi-Fi - Ethernet	Wi-Fi - Ethernet	GSM	GSM	Ethernet	-	Wi-Fi - Ethernet - GSM
Power (W)	-	-	3	3	-	-	3
Operating temperature (°C)	+5 ÷ +40	+5 ÷ +40	-20 ÷ +70	-20 ÷ +70	0 ÷ +40	-20 ÷ +70	-40 ÷ +55

● 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.
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).
Ethernet Gateways	
806SA-0030 	RETH001 - Ethernet Gateway module with built-in radio, with the CAME CONNECT dedicated system. For controlling up to five slave modules.
Accessories for: 806SA-0010 - 806SA-0030 - 842EC-0020 - 806SA-0130	
806SA-0040  	RSLV001 - Slave module for operators (002RSE module included).
Ethernet - GSM - Wi-Fi gateways	
001UR042  	Gateway module that can be configured in Ethernet, GSM or Wi-Fi mode, for remote control of CAME operators, with the CAME CONNECT dedicated system (002RSE module included).
Accessories for GSM Gateway	
806SA-0050	Two-metre long antenna cable
Kit	
8K06SA-001  	Ethernet Gateway Kit, composed of: 806SA-0030 and the 806SA-0040 slave module, or remote control of CAME automated operators with the CAME CONNECT dedicated system (002RSE module included).

Notes:

8K06SA-001 - The 806SA-0030 Gateway module is powered by 230 V AC, while the 806SA-0040 Slave module is powered by 24 V DC.

842EC-0020 Available from May 2019

806SA-0130 Available from June 2019



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

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

Two
hardwired
outputs

GATE MODULE
806SA-0040

RS485

DOMOTIC MODULE
67600470
67600720



TUBE GEARED MOTORS FOR
AWNINGS AND SHUTTERS

GATE AND GARAGE DOOR OPERATORS

TEMPERATURE CONTROL

TUBE MOTORS
230 V AC single
phase, with built
in limit switch

TUBE MOTORS
KBS 5 series

AUTOMATED
OPERATORS
not set up for
CAME Connect
or belonging to
other brands

AUTOMATED
OPERATORS
fitted with
CAME Connect
technology

PROGRAMMABLE THERMOSTATS
TH/550 WH WL series

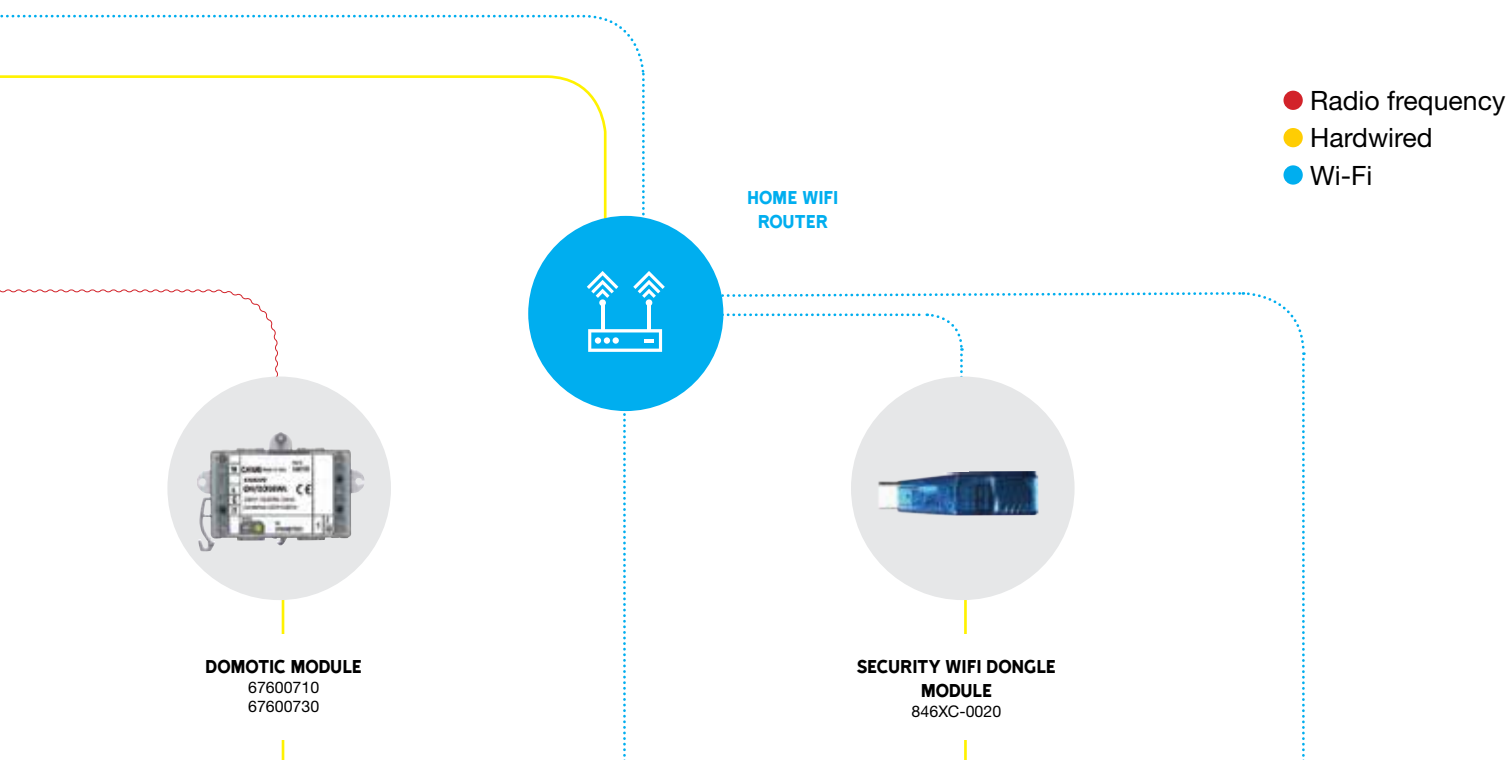
LIGHTS
ON-OFF type or
other electric loads



CAME QBE
USER APP



QBE SETUP
INSTALLER APP



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

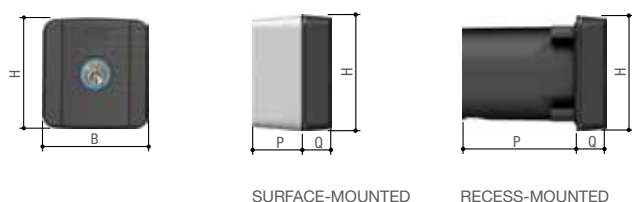
CCTV
8K48EA-008

The control for all operators

- Backlit with blue light, available in the surface-mounted or recess-mounted version.
- Cover in RAL 7024 grey colour.
- Available in the key-operated version with cylinder lock or with European DIN cylinder (even for 230 V applications).



Dimensions (mm)



Dimensions table (mm)







Models	Type	Mounting	B (mm)	H (mm)	P (mm)	Q (mm)	P + Q (mm)
806SL-0050	DIN key	Surface mounted	70.5	73.5	47.5	16.5	64
806SL-0060	DIN key	Recess mounted	70.5	73.5	76	16.5	92.5
806SL-0010	Cylinder key	Surface mounted	70.5	73.5	33.5	16.5	50
806SL-0020	Cylinder key	Recess mounted	70.5	73.5	76	16.5	92.5
806SL-0090	DIN key	Surface mounted	70.5	73.5	47.5	16.5	64
806SL-0100	DIN key	Recess mounted	70.5	73.5	76	16.5	92.5
806SL-0051	DIN key	Surface mounted	70.5	73.5	47.5	16.5	64
806SL-0061	DIN key	Recess mounted	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

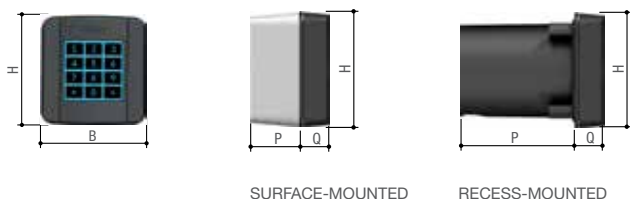
For DIN lock cylinders, see spare part 119R36887 (from code 002 to code 050).

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.
- Compatible with CAME Key.



Dimensions (mm)



SURFACE-MOUNTED

RECESS-MOUNTED

Dimensions table (mm)

Models	Type	Mounting	B (mm)	H (mm)	P (mm)	Q (mm)	P + Q (mm)
806SL-0170	Radio-frequency keypad	Surface mounted	70,5	73,5	33,5	16,5	50
806SL-0180	Radio-frequency keypad	Surface mounted	70,5	73,5	33,5	16,5	50
806SL-0150	Hardwired keypad	Surface mounted	70,5	73,5	33,5	16,5	50
806SL-0160	Hardwired keypad	Recess mounted	70,5	73,5	76	16,5	92,5
806SL-0110	Transponder	Surface mounted	70,5	73,5	33,5	16,5	50
806SL-0120	Transponder	Recess mounted	70,5	73,5	76	16,5	92,5
806SL-0210	Bluetooth	Recessed	70,5	73,5	33,5	16,5	50
806SL-0240	Bluetooth	Recessed	70,5	73,5	33,5	16,5	50
806SL-0250	Bluetooth	Recessed	70,5	73,5	33,5	16,5	50
SMA	-	From control panel	22,5	94	88	-	-
SMA2	-	From control panel	22,5	94	88	-	-
SMA220	-	From control panel	22,5	94	88	-	-


Technical characteristics

MODELS	806SL-0170	806SL-0180	806SL-0150	806SL-0160	806SL-0110	806SL-0120	806SL-0210	806SL-0240	806SL-0250
Protection rating (IP)	54	54	54	54	54	44	54	54	54
Power supply (V)	-	-	-	-	-	-	12 - 24 AC - DC	12 - 24 AC - DC	12 - 24 AC - DC
Power (W)	0,144	0,144	0,6	0,6	0,83	0,83	0,7	0,7	0,7
Max. rating of 24 V (A) relay contacts	-	-	-	-	-	-	1	1	1
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20° ÷ +55°	-20° ÷ +55°	-20° ÷ +55°

● 12 - 24 V AC - DC


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.
--	--



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

Snap-in 433.92 MHz Rolling Code receivers for: 806SL-0170		
001 AF43S	Plug-in radio-frequency control card	
Snap-in 433.92 MHz Rolling Code receivers for: 806SL-0170		
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	
Snap-in 868.35 MHz Rolling code receivers for: 806SL-0180		
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		
806SL-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		
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.	
12 - 24 V AC - DC external modules for: transponder, keypad and radio-based selectors		
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.	

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.
-----------------	--

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.
----------------------	----------------

Antenna at 433.92 MHz for: 001DD-1KA - 001DD-1KB - 806SL-0180

001 DD-1TA433	Tuned antenna.
----------------------	----------------

Antenna at 868.35 MHz for: 001DD-1KA - 001DD-1KB - 806SL-0170

001 DD-1TA868	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.
----------------	---------------------

009 TAG	Glass transponder-bulb for Twin series.
----------------	---

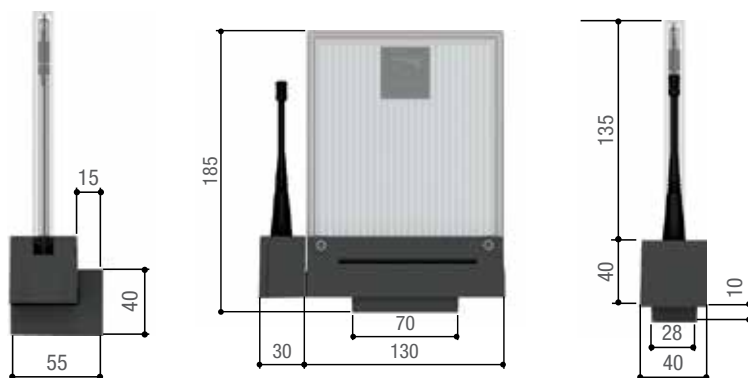


Formal elegance and technological innovation

- Long life and low consumption.
- The energy efficiency comes from lower consumption levels (6 W).
- One model, universal power supply.
- Dadoo is the only universal LED flashing-light because it works with different voltages: 120 - 230 V AC / 24 V AC - DC.



Dimensions (mm)



Finishings and lights

MODEL	DD-1KA	DD-1KB
Light color	● AMBER	● BLUE
Frame color	● CHARCOAL	● CHARCOAL

Technical characteristics

MODELS	DD-1KA	DD-1KB
Protection rating (IP)	54	54
Power supply (V)	120 - 230 AC 50/60 Hz - 24 AC - DC	120 - 230 AC 50/60 Hz - 24 AC - DC
Power (W)	7 (230 V AC) - 4 (120 V AC) - 6 (24 V AC) - 5 (24 V DC)	7 (230 V AC) - 4 (120 V AC) - 6 (24 V AC) - 5 (24 V DC)
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Material	ABS - PMMA	ABS - PMMA

● 120 - 230 V AC ● 24 V AC - DC

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

Flashing lights powered by 120 - 230 V AC / 24 V AC - DC	
--	--

001 DD-1KA	Flashing light with wall-mounting base and support. Amber LED lighting.
-------------------	--

001 DD-1KB	Flashing light with wall-mounting base and support. Blue LED lighting.
-------------------	---

433.92 Mhz antenna	
--------------------	--

001 DD-1TA433	Tuned antenna.
----------------------	----------------

868.35 Mhz antenna	
--------------------	--

001 DD-1TA868	Tuned antenna.
----------------------	----------------

Accessories	
-------------	--

001 TOP-RG58	Antenna cable.
---------------------	----------------



NEW LED-TECHNOLOGY

Dadoo is the new designer flashing light featuring LED lighting. Completely new in shape, it is light, user-friendly and quick to install.



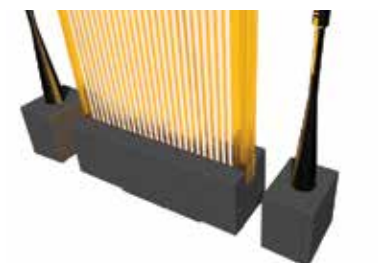
LONG LIFE, LOW CONSUMPTION

The energy efficiency comes from lower consumption levels (6 W).



ONE MODEL, UNIVERSAL POWER SUPPLY

Dadoo is the only universal LED flashing-light because it works with different power-supply voltages: 120 - 230 V AC / 24 V AC - DC

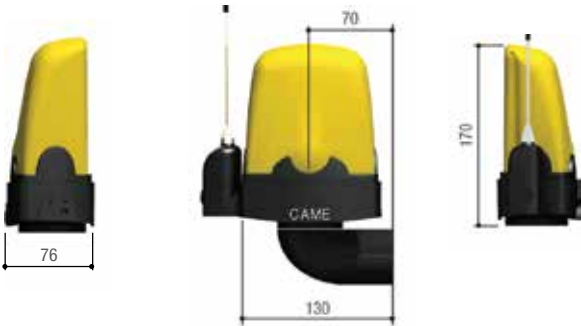


ACCESSORIES SERIES

All of the models are set up for integrating, to the right or left, of the different types of antennas, that is, 433.92 and 868.35 Mhz, and come with their own wall-mounting support.



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

- 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.
 - The energy efficiency is due to lower consumption (1W - 120 V AC / 2W - 230 V AC / 2 W - 24 V AC – DC).
 - A wall-mounting support suitable for all installations.

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.
---------------------	----------------

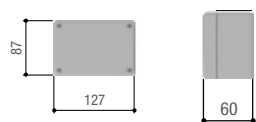
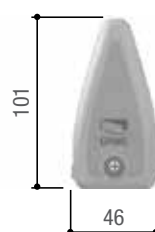
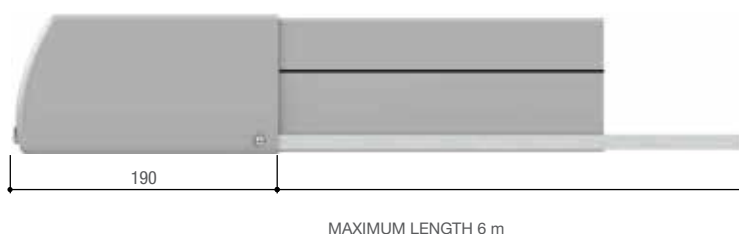




Sensitive edges certified for total protection

- 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 (8K2).
- Specific for using with RIO System 2.0 (requires items: 806SS-0010 - 806SS-0040 - 806SS-0050).
- A product that complies with standard EN13849-1.

Dimensions (mm)



001DFI

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)	3 / 24 V (resistive)	3 / 24 V (resistive)	3 / 24 V (resistive)
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	TPE 65 SHORT A	TPE 65 SHORT A	TPE 65 SHORT A	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

- Quicker 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.

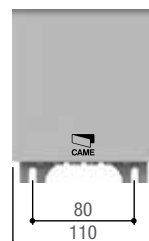
Dimensions (mm)



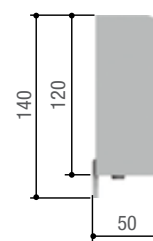
806SS-0030



806SS-0010
806SS-0020



806SS-0050



Operational limits

MODELS	806SS-0010	806SS-0020	806SS-0030	806SS-0050	806SS-0040
--------	------------	------------	------------	------------	------------

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 - 869,85	868,95	868,95 - 869,85	868,95 - 869,85	868,95
Max. rating of 24 V (A) relay contacts	-	-	-	1	-
Range (m)	30	-	30	30	-
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.
Snap-in, wireless control modules for: BXV series and AXI series	
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.

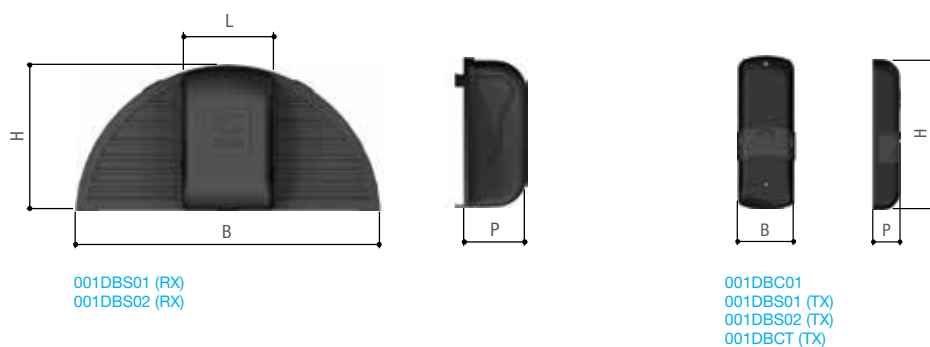




Cordless infrared beam safety device

- Cordless photocells for easy coverage of the perimeter, thanks to the bi-directional beam from repeaters and transmitters.
- Battery powered for even simpler use.
- The DBS photocells transmit an infrared beam signal on the edge fitted onto the moving leaf, to protect the movement and ensure total safety.

Dimensions (mm)



Dimensions table (mm)

Models	Mounting	B (mm)	L (mm)	H (mm)	P (mm)
DBC01	Surface mounted	52	-	140	25
DBS01	Surface mounted	52 (TX) - 150 (RX)	46 (RX)	140 (TX) - 71 (RX)	25 (TX) - 28 (RX)
DBS02	Surface mounted	52 (TX) - 150 (RX)	46 (RX)	140 (TX) - 71 (RX)	25 (TX) - 28 (RX)
DBCT	Surface mounted	52	-	140	25

Operational limits


MODELS	DBC01	DBS01	DBS02	DBCT
Max. range of radio (m)	10	10	10	10

Technical characteristics

MODELS	DBC01	DBS01	DBS02	DBCT
Protection rating (IP)	54	54	54	54
Power supply (V)	12 - 24 AC - DC (only RX)	12 - 24 AC - DC (only RX)	12 - 24 AC - DC (only RX)	6
Batteries (V)	-	(4x) 1.5v AAA	(4x) 1.5v AAA	(4x) 1.5v AAA
24 V (mA) relay rating	500	1	1	-
Absorption	TX 70 μ A - RX 48 mA	TX 70 μ A - RX 48 mA	TX 70 μ A - RX 48 mA	70
Operating temperature (°C)	-20 \div +55	-20 \div +55	-20 \div +55	-20 \div +55
Material	ABS - POLYCARBONATE	ABS - POLYCARBONATE	ABS - POLYCARBONATE	ABS - POLYCARBONATE


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

Db cordless-series photocells


001 DBC01 	Pair of surface-mounted cordless photocells, with mono-directional infrared beam, made up of: one receiver + one battery-operated transmitter. Range: 10 m.
---	---




Mobile connection systems of Df sensitive safety-edges for the following series of operators: Bx - Bk

001 DBS01 	Cordless, surface-mounted bi-directional, infrared beam modules, with single contact output and built-in receiver. External battery-powered transmitter. Range: 10 m.
---	---



001 DBS02 	Cordless, surface-mounted bi-directional, infrared beam modules, with double contact output and built-in receiver. External battery-powered transmitter. Range: 10 m.
---	---

Accessories for: 001DBS02

001 DBCT 	Surface-mounted transmitter module with batteries. Range: 10 m.
--	---



Accessories for: 001DBC01

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.
------------------	---------------------------------------

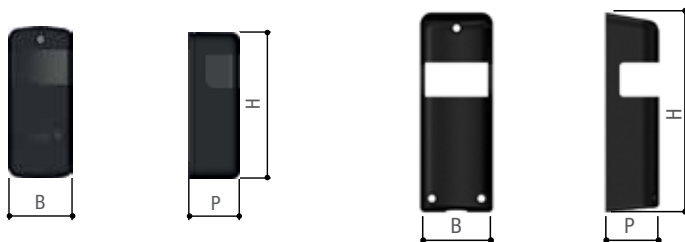


Synchronized, swiveling infrared-beam safety devices

- 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.
- Adjust the range of the infrared beam.
- 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.



Dimensions (mm)



806TF-0030

806TF-0040
806TF-0050

Dimensions table (mm)

Models	Mounting	B (mm)	H (mm)	P (mm)
806TF-0030	Surface mounted	46	108	37
806TF-0040	Surface mounted	52	145	39

Operational limits

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

Technical characteristics

MODELS	806TF-0030	806TF-0040
Protection rating (IP)	54	54
Power supply (V)	12 - 24 AC - DC	12 - 24 AC - DC
Absorption (mA)	40	40
Maximum rating of output contacts at 24 V (A)	0.5	0.5
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Material	ABS	ABS - ALUMINUM

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.
-------------------	--



Accessories for: 806TF-0030	
-----------------------------	--

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	
--	--

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
--------------------	---

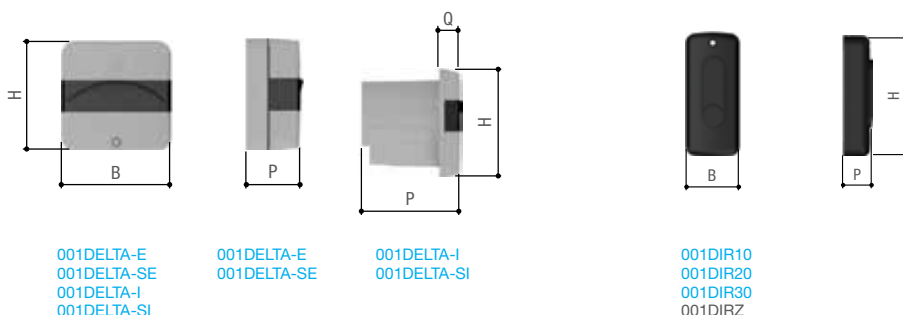




Safety devices for automated systems

- 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	Mounting	B (mm)	H (mm)	P (mm)	P + Q (mm)
DELTA-I	Recess mounted	70	70	52	16
DELTA-E	Surface mounted	70	70	36	-
DIR10	Surface mounted	46	108	23	-
DIR20	Surface mounted	46	108	23	-
DIR30	Surface mounted	46	108	23	-
DELTA-SI	Recess mounted	70	70	52	16
DELTA-SE	Surface mounted	70	70	36	-
DIRZ	Surface mounted	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	12 - 24 AC - DC	12 - 24 AC - DC	12 - 24 AC - DC	12 - 24 AC - DC	12 - 24 AC - DC	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	ABS – POLYCARBONATE	ABS – POLYCARBONATE	ABS – POLYCARBONATE	ABS – POLYCARBONATE	ABS – POLYCARBONATE	ABS – POLYCARBONATE

Code Description

Infrared-beam Delta series 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.



Synchronized infrared-beam Dir series 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.



Synchronized infrared-beam DELTA S series 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: 001DELTA-I - 001DELTA-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: 001DELTA-E - 001DELTA-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
--------------------	---





BXV

THE OPERATOR FOR SLIDING GATES AT PRIVATE HOMES

Go to page 72 to find out more

CAME

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



TOP - Rolling Code

Rolling code 433.92 and 868.35 Mhz radio control

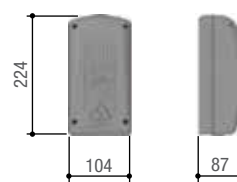
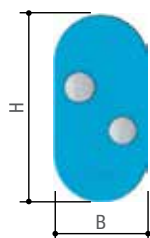


Double-frequency solutions with unclonable code

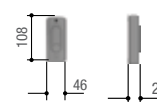
- It manages several operators on different frequencies.
- One device to manage two frequencies, that is, 433.92 MHz and 868.35 MHz.
- More secure thanks to the dynamic code.
- It uses only one CR2032 battery.
- Flat battery alert
- No setting required when selecting the frequency
- Available in two-channel and four-channel versions.
- Available in six different colours.
- Surface-mounted receiver modules 806RV-0010 and 806RV-0020 - CAME KEY compatible.



Dimensions (mm)



806RV-0010
806RV-0020



001RE432M
001RE862M

Dimensions table (mm)

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

Operational limits

MODELS	806TS-0110	806TS-0111	806TS-0112	806TS-0113	806TS-0114	806TS-0115
Max. range of radio (m)	50 ÷ 150	50 ÷ 150	50 ÷ 150	50 ÷ 150	50 ÷ 150	50 ÷ 150

Technical characteristics

MODELS	806TS-0110	806TS-0111	806TS-0112	806TS-0113	806TS-0114	806TS-0115
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 (V)	3 V	3 V	3 V	3 V	3 V	3 V
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.



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 (V)	3 V	3 V	3 V	3 V	3 V	3 V
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE

THE COMPLETE RANGE

Code Description

Plug-in, 433.92 MHz rolling-code transmitters

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



Snap-in 868.35 MHz Rolling code receivers

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



Snap-in 433.92 MHz receivers

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



Snap-in 868.35 MHz receivers

001**AF86SR** 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

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.



External, 120 - 230 V AC - DC, 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.



433.92 MHz antenna for: 001KLED - 001KLED24

001**DD-1TA433** Tuned antenna.



868.35 MHz antenna for: 001KLED - 001KLED24

001**TOP-A862N** Tuned antenna.



868.35 MHz antenna for: 001DD-1KA - 001DD-1KB

001**DD-1TA868** Tuned antenna.



Accessories

001**TOP-RG58** Antenna cable.





BKV

THE SOLUTION FOR LARGE GATES

Go to page 84 to find out more

CAME 

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



TOP - Fixed Code

Fixed code 433.92 and 868.35 Mhz radio control

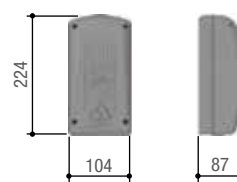
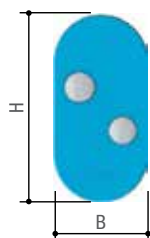


Double frequency and fixed code solution

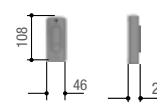
- It manages several operators on different frequencies.
- One device to manage two frequencies, that is, 433.92 MHz and 868.35 MHz.
- It uses only one CR2032 battery.
- Flat battery alert
- No setting required when selecting the frequency
- Available in two-channel and four-channel versions.
- Available in six different colours.
- Surface-mounted receiver modules 806RV-0010 and 806RV-0020 - CAME KEY compatible.



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-0090	806TS-0091	806TS-0092	806TS-0093	806TS-0094	806TS-0095
Max. range of radio (m)	50 ÷ 150	50 ÷ 150	50 ÷ 150	50 ÷ 150	50 ÷ 150	50 ÷ 150

Technical characteristics

MODELS	806TS-0090	806TS-0091	806TS-0092	806TS-0093	806TS-0094	806TS-0095
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 (V)	3V	3V	3 V	3 V	3 V	3 V
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)



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 (V)	3 V	3 V	3 V	3 V	3 V	3 V
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Material	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE	POLYCARBONATE

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		
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.	
External, 120 - 230 V AC, 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.	
433.92 MHz antenna for: 001KLED – 001KLED24		
001 DD-1TA433	Tuned antenna.	
868.35 MHz antenna for: 001KLED – 001KLED24		
001 TOP-A862N	Tuned antenna.	
868.35 MHz antenna for: 001DD-1KA – 001DD-1KB		
001 DD-1TA868	Tuned antenna.	
Accessories		
001 TOP-RG58	Antenna cable.	

ATOMO D

Rolling code 433.92 and 868.35 Mhz radio control



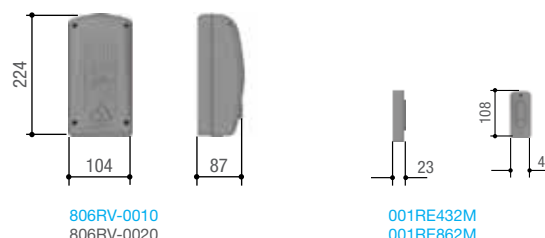
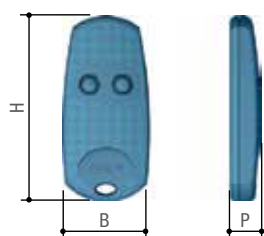
Ideal solution for multi-user, double-frequency with uncloneable code

- 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.
- Surface-mounted receiver modules 806RV-0010 and 806RV-0020 - CAME KEY compatible.



Dimension of transmitters (mm)

Dimension of receivers (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
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	
Snap-in 868.35 MHz receivers		
001 AF868	Plug-in radio-frequency control card	
Snap-in 433.92 MHz receivers		
001 AF43SR	Plug-in radio-frequency circuit board for max. 25 transmitters.	
Snap-in 868.35 MHz receivers		
001 AF86SR	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.	
External, 120 - 230 V AC, 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.	
433.92 MHz antenna for: 001KLED - 001KLED24		
001 DD-1TA433	Tuned antenna.	
868.35 MHz antenna for: 001KLED - 001KLED24		
001 TOP-A862N	Tuned antenna.	
868.35 MHz antenna for: 001DD-1KA - 001DD-1KB		
001 DD-1TA868	Tuned antenna.	
Accessories		
001 TOP-RG58	Antenna cable.	

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

TOP 433.92 MHz

433.92 MHz radio control



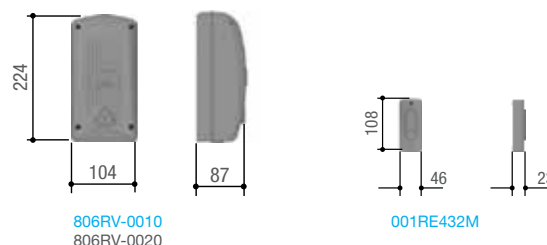
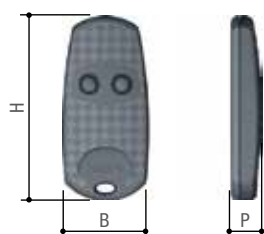
Ideal for fitting in single home settings

- 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.
- Surface-mounted receiver modules 806RV-0010 and 806RV-0020 - CAME KEY compatible.



Dimension of transmitters (mm)

Dimension of receivers (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
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Material	ABS	ABS

Code Description

433.92 MHz transmitters

001TOP-432EE Two-channel multiuser transmitter with self-learning function (16,777,216 in TAM mode, 4,096 combinations in TOP mode).

001TOP-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

001AF43S Plug-in radio-frequency control card



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

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.



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.



External, 120 - 230 V AC, 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

001DD-1TA433 Tuned antenna.



433.92 MHz antenna for: 001KLED - 001KLED24

001TOP-A433N Tuned antenna.



Accessories

001TOP-RG58 Antenna cable.



TOP 868.35 MHz

868.35 MHz radio control

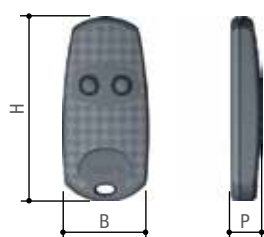


Ideal for fitting in single home settings

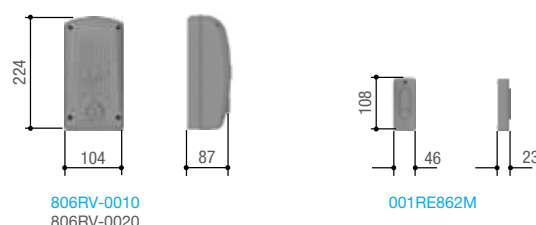
- Available in either the two or four-channel version.
- Self-learning from transmitter to transmitter.
- 16,777,216 possible combinations in TAM mode.
- 4,096 possible combinations in TOP mode.
- Multi-user function.
- TOP or TAM-mode code setting.
- Surface-mounted receiver modules 806RV-0010 and 806RV-0020 - CAME KEY compatible.



Dimension of transmitters (mm)



Dimension of receivers (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
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.



External, 120 - 230 V AC, 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: 001DD-1KA – 001DD-1KB

001**DD-1TA868** Tuned antenna.



868.35 MHz antenna for: 001KLED – 001KLED24

001**TOP-A862N** Tuned antenna.



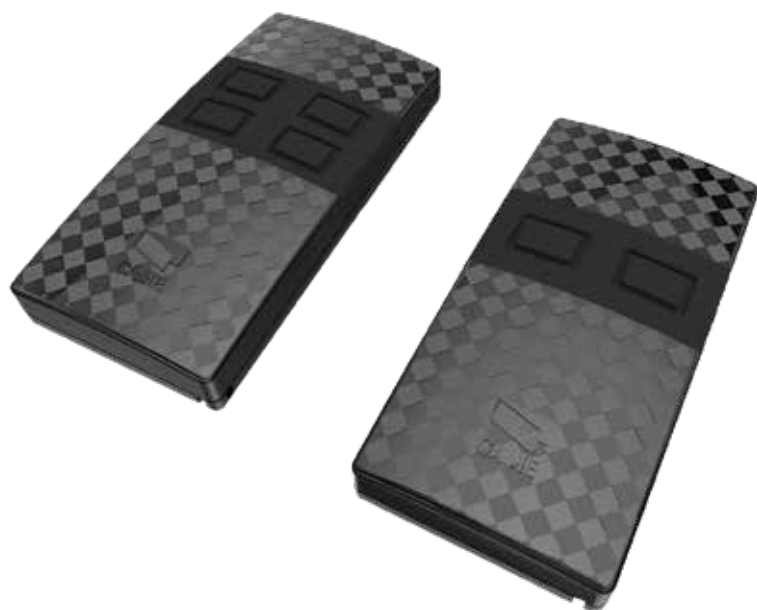
Accessories

001**TOP-RG58** Antenna cable.

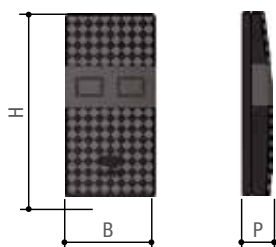


The ideal solution for multi-user and apartment-block settings

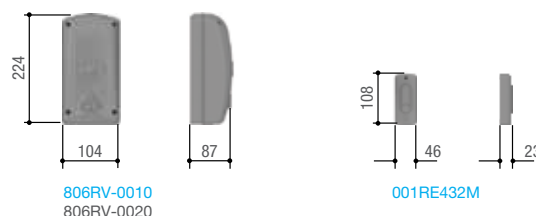
- Transmitter with Key Code, that is, the password code that protects the radio-control from being duplicated without authorisation.
- Available in either the two or four-channel version.
- Ready to house the TAG transponder.
- 4,294,967,896 possible combinations.
- TOP or TAM-mode code setting.
- Elegant, contemporary design.
- Surface-mounted receiver modules 806RV-0010 and 806RV-0020 - CAME KEY compatible.



Dimension of transmitters (mm)



Dimension of receivers (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
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Material	Polycarbonate	Polycarbonate

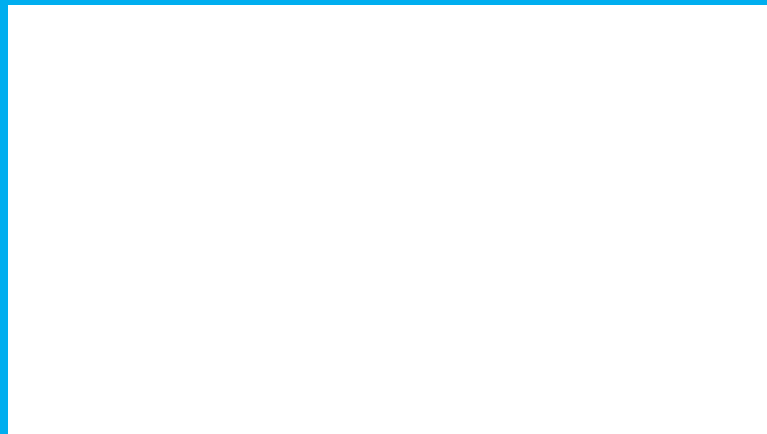
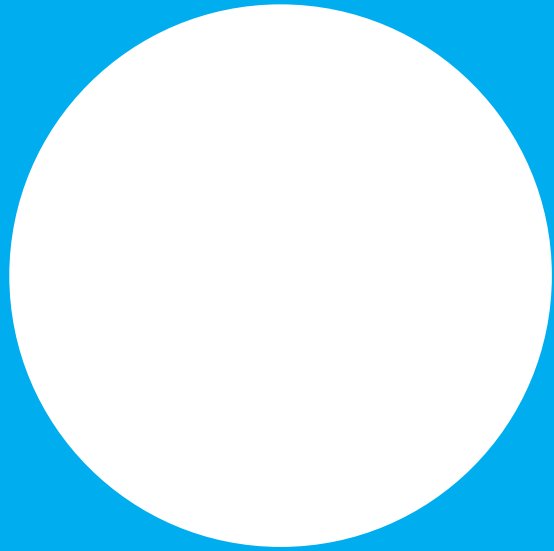
Code Description

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.
External, 120 - 230 V AC, 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.
Accessories for: 001TW2EE - 001TW4EE	
009 TAG	Glass transponder-bulb for Twin series.
001 P3V	Package of two, 3 V DC, CR2016 lithium batteries
433.92 MHz antenna for: 001KLED - 001KLED24	
001 DD-1TA433	Tuned antenna.
433.92 MHz antenna for: 001KLED - 001KLED24	
001 TOP-A433N	Tuned antenna.
Accessories	
001 TOP-RG58	Antenna cable.



NOTES : 806RV-0010 and 806RV-0020
For 433.92 MHz transmitters, use 001AF43S

TURNSTILES



CAME.COM

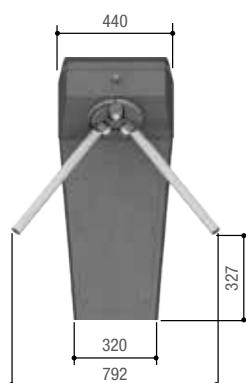
270	STILE ONE
272	XVIA
274	TWISTER LIGHT
276	TWISTER
278	GUARDIAN
280	WING
282	SALOON
284	COMPASS
286	FLAG
288	ACCESSOIRES

STILE ONE

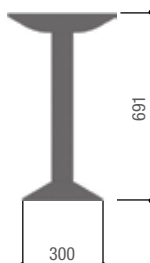
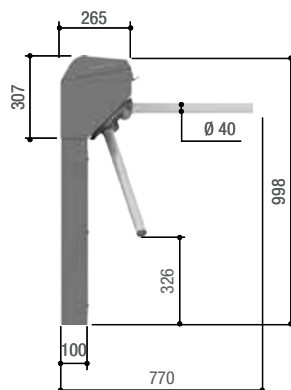
Motor-powered tripod turnstiles



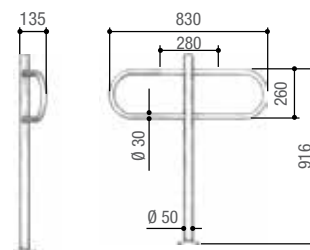
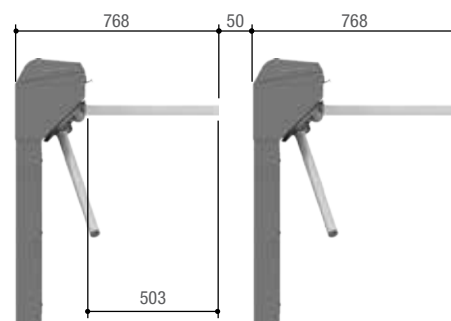
Dimensions (mm)



Version with: 001PSMMA-C



001PSMMA-D



001PSOPGO1X
001PSOPGO1

Technical characteristics

MODELS	PSMM01	PSMM02
Protection rating (IP)	44	44
Power supply (V - 50/60 Hz)	120 - 230 AC	120 - 230 AC
Stand-by consumption (W)	4	10
Weight (Kg)	22	25
Insulation class	I	I
Max number of passages/min.*	30	30
Power (W)	120	120
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

* See the free-access mode

Compact tripod-turnstile, convenient when space is an issue

- The structure is made of painted steel, whereas the tripod arms are made of AISI 304 stainless steel
- Stile One's programming and control can be managed by access control systems or even remotely via the CRP (Came Remote Protocol).
- The encoder detects the tampering attempts, and the standard beeper issues the alert.
- During power outages, the tripod releases and unlocks to allow people to pass through in both directions (001PSMM01). Alternatively, there is the drop-down arm option: during power outages, the tripod's horizontal arm drops down, to allow people to pass through more easily (001PSMM02).
- You can also fit an optional LED-signaling strip to either of the tripod's sides.
- The Memory Roll enables you to back up settings and memorized user.

● 120 - 230 V AC

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

Motor-powered electromechanical 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 electromechanical 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	
--------------------	--

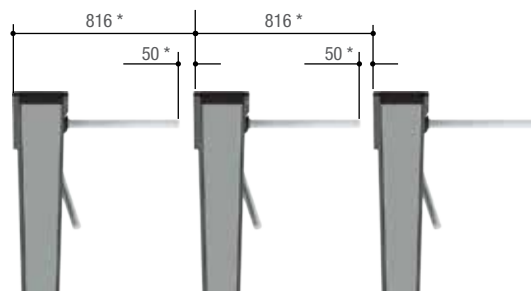
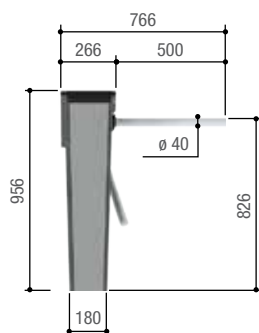
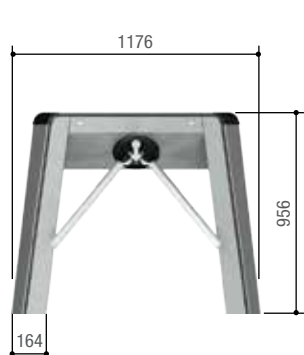
001 PSOPG01	Channeler complete with riser with AISI 304 stainless steel arch, galvanized steel anchoring flange and chromed plastic flange cover. H = 1,000 mm.
--------------------	---

001 PSOPG01X	Channeler made of AISI 304 steel complete with arched riser, fastening flange and flange cover. H = 1,000 mm.
---------------------	---

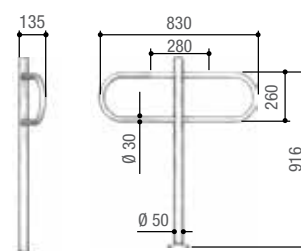




Dimensions (mm)



* Minimum dimension.



001PSOPGO1
001PSOPGO1X

Technical characteristics

MODELS	PSXV02	PSXV03
Protection rating (IP)	44	44
Power supply (V - 50/60 Hz)	120 - 230 AC	120 - 230 AC
Stand-by consumption (W)	18	18
Weight (Kg)	45	45
Insulation class	I	I
Max number of passages/min.*	30	30
Power (W)	180	180
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55

* See the free-access mode

The motor-powered solution, even transponder-fitted, for pedestrian passages with high traffic.

- The innovative, motor-driven turnstile for controlling transit in high flow-rate areas.
- Made of stainless steel, it fits well at railway and maritime stations, metro stations, sports facilities - wherever regulating entering and exiting people-flows becomes indispensable.
- A sturdy and reliable solution, fit for all transit selection and control needs.
- It fits anywhere, even at stadiums, stations of sorts, public buildings and sports facilities.
- Managed by a built-in control board, it is fully compatible with all evolved access-control systems.

Code Description

Motor-powered electromechanical 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 or the 001PSXVA6)
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 or the 001PSXVA6)
Accessories for electromechanical tripod turnstiles	
001 PSXVA5	Pair of 125 MHz reader cards.
001 PSXVA6	Pair of MiFare-type, 13.56 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 both the Manchester 125 KHz version and MiFare 13.56 MHz 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

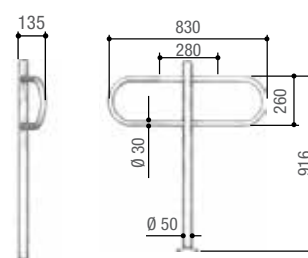
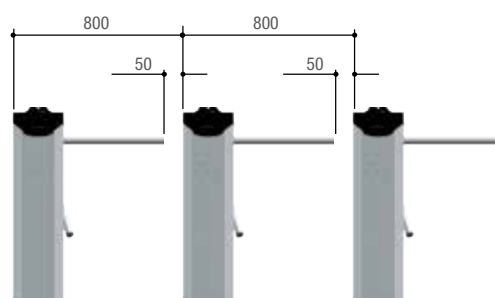
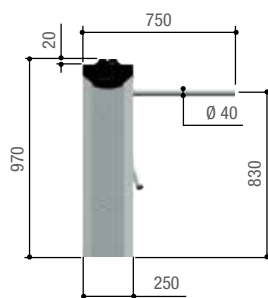
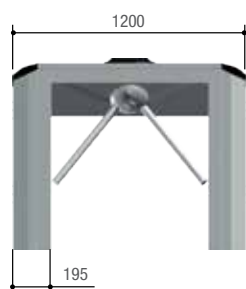
Electromechanical tripod turnstiles



The ideal solution, even transponder-fitted, for high-volume pedestrian passages

- Twister light is the cutting-edge turnstile for regulating large numbers of transiting people.
- Made of stainless steel, it fits well at railway and maritime stations, metro stations, sports facilities - wherever regulating entering and exiting people-flows becomes indispensable.
- Twister light is the hard wearing and functional solution for any type of people-transit and selection control.
- It fits anywhere, even at stadiums, stations of sorts, public buildings and sports facilities.
- Controlled by a built-in control board, Twister light is perfectly compatible with all state-of-the-art access control systems.

Dimensions (mm)



001PSOPGO1
001PSOPGO1X

Technical characteristics

MODELS	PSBPS07N	PSBPS08	PSBPS09	PSBPS10
Protection rating (IP)	44	44	44	44
Power supply (V - 50/60 Hz)	120 - 230 AC	120 - 230 AC	120 - 230 AC	120 - 230 AC
Operating power supply (V)	24 DC	24 DC	24 DC	24 DC
Absorption (mA)	260	260	260	260
Weight (Kg)	60	60	60	60
Max number of passages/min.*	12	12	12	12
Operating temperature (°C)	-20 ÷ +55	-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 PSBPS09	Two-way, electro-mechanical turnstile made of AISI 304, satin-finish stainless steel, with control board, hydraulic brake, LED directional lights and anti-jump-over system. 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 electromechanical tripod turnstiles	
---	--

001 PSOPSC01	Anti-panic arms with pressure break-away joint.
001 PSOPCN03	Electronic counter.
001 PSOPSF03	Stop-go light with LED warning display.



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

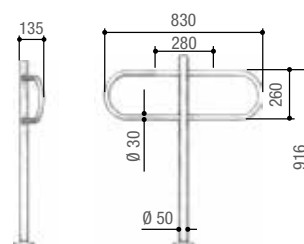
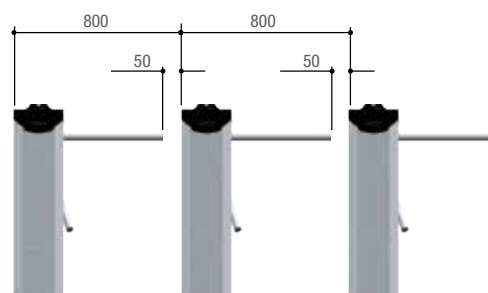
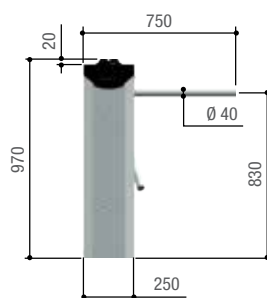
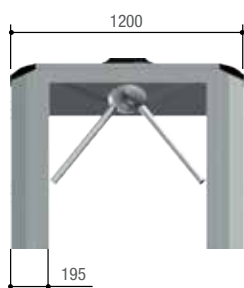
Motor-powered, electromechanical, tripod turnstiles



The ideal solution, even transponder-fitted, for high-volume pedestrian passages

- Twister is designed for selecting transit in areas with high-volumes of passages.
- Made of stainless steel, it fits well at railway and maritime stations, metro stations, sports facilities - wherever regulating entering and exiting people-flows becomes indispensable.
- Twister is the durable functional solution - suited to any transit control and selection needs.
- It fits anywhere, even at stadiums, stations of sorts, public buildings and sports facilities.
- Controlled by its own control board, Twister is perfectly compatible with all state-of-the-art access control systems.

Dimensions (mm)



001PSOPGO1
001PSOPGO1X

Technical characteristics

MODELS	821TR-0010	821TR-0020	PST001	PST002	PST003	PST004
Protection rating (IP)	44	44	44	44	44	44
Power supply (V - 50/60 Hz)	120 - 230 AC	120 - 230 AC	120 - 230 AC	120 - 230 AC	120 - 230 AC	120 - 230 AC
Operating power supply (V)	-	-	24 DC	24 DC	24 DC	24 DC
Stand-by consumption (W)	8	13	-	-	-	-
Absorption (mA)	-	-	260	260	260	260
Weight (Kg)	45	45	60	60	60	60
Insulation class	I	I	-	-	-	-
Max number of passages/min.*	30	30	12	12	12	12
Power (W)	180	180	-	-	-	-
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

* See the free-access mode

● 120 - 230 V AC

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

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 PST003	Two-way, electro-mechanical turnstile made of AISI 304, satin-finish stainless steel, with control board, LED directional lights with display, side stop-go-lights, anti-jump-over system and hydraulic brake. 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 - 001PST003	
---	--

001 PSOPSC01	Anti-panic arms with pressure break-away joint.
---------------------	---



Motor-driven, tripod turnstiles	
---------------------------------	--

821 TR-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.
--------------------	---



821 TR-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 : Electromechanical tripod turnstiles	
---	--

821 XC-0020	Twister 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

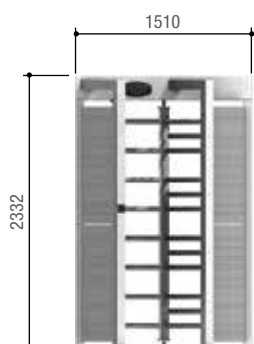
Full-height turnstiles



The full-height system for controlling high-traffic passages

- Guardian is the perfect solution for, even unstaffed wide-clearance passages, but with heavy flows of people transiting through.
- Designed to also be installed outdoors, it is widely used at airports, port facilities, large companies, metro stations, railroad stations and stadiums.
- Its sturdy structure and pleasant design makes it a formidable deterrent while totally protecting users.
- Durability and reliability are ensured even when installed outdoors. Its galvanized steel body and special epoxy coating make it withstand corrosion brought on by weather agents.

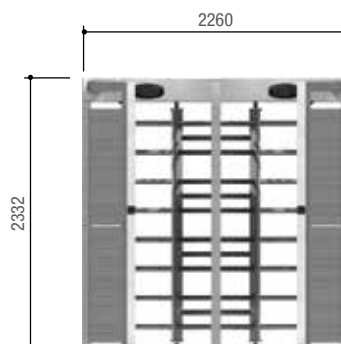
Dimensions (mm)



001PSGS3



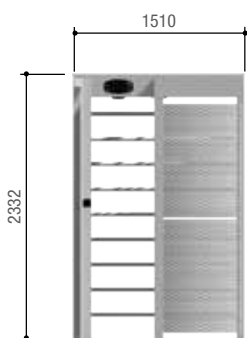
001PSGD3



001PSGS4



001PSGD4



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	120 - 230 AC	120 - 230 AC	120 - 230 AC
Operating power supply (V)	24 DC	24 DC	24 DC	24 DC
Absorption (mA)	223	446	223	446
Weight (Kg)	350	650	350	650
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.
--------------------	----------------

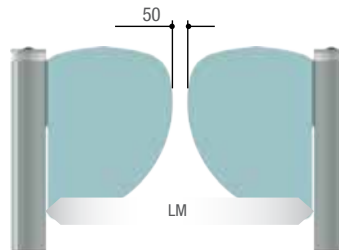
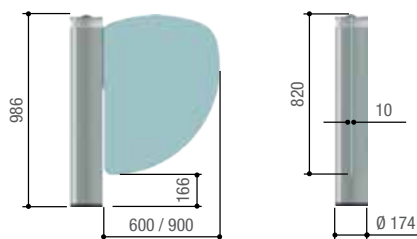
NOTES

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)



LM = Max. net clearance width

A swift elegant passage and simple safe installation

- The leaf anchored to the inside of the operator makes for very sleek and essential shapes.
- Built-in signaling luminous crown and modular assembly - it signals when leaf movement and the turnstile's operating status.
- The control board, power supply unit and electric brake all fit inside the operator.
- The built-in electronic brake blocks the leaf to let in only authorized users.
- Motor with encoder for detecting obstructions and easy-to-manage slow-down phases.
- Easy-to-access system programming and function viewing display.
- The movement is activated via transponder, magnetic card, buttons or photocells.
- Memory Roll to ensure configuration and user data are saved.
- AISI 304 steel structure with Plexiglas or tempered glass leaves.
- The leaf speed can be adjusted on the control board.

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 supply to motor (V)	24 DC
Max number of passages/min.*	12
Opening speed at 90° (s)	1
Power (W)	120
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	
-------------	--

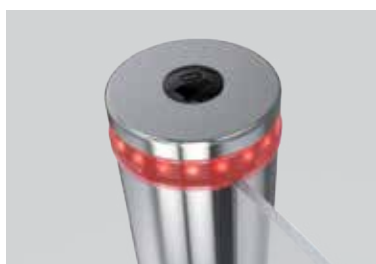
001 PSWL60	Plexiglas leaf L = 600 mm, thickness = 10 mm.
-------------------	---

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

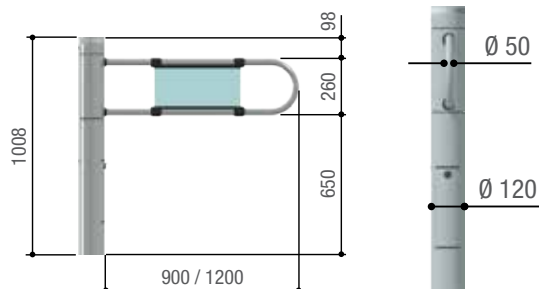
Motor-powered swing-leaf turnstiles



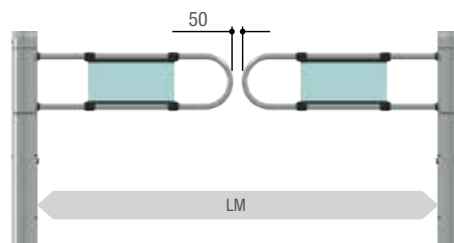
Easy, modular, safe installation for quick passages

- Built-in signaling luminous crown and modular assembly - it signals when the leaf is moving and the turnstile's operating status.
- The passage way is always under control, thanks to the buzzer which alerts when someone tries to force entry.
- Safe because it's reversible! During power outages, the turnstile allows manual opening for entering and exiting.
- Motor with encoder for detecting obstructions, adjusting speed and managing slow-down phases.
- Easy-to-access system programming and function viewing display.
- The movement is activated via transponder, magnetic card, buttons or photocells.
- Memory Roll to ensure configuration and user data are saved.
- Easily paired with modular crowd-barriers.

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 supply to motor (V)	24 DC
Max number of passages/min.*	12
Opening speed at 90° (s)	1
Power (W)	120
Operating temperature (°C)	-20 ÷ +55

* See the free-access mode

● 24 V DC

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

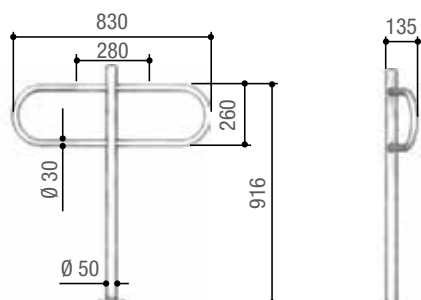
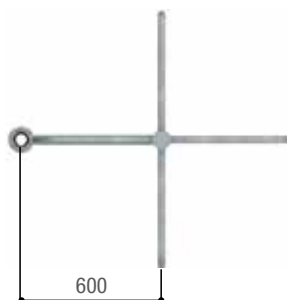
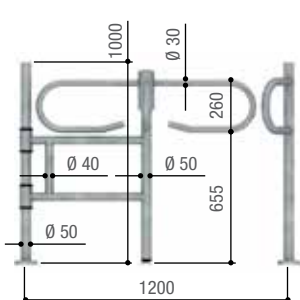
Mechanical swivel gates



The ideal range for controlling pedestrian passage ways

- Compass is the simple cost-effective solution for directing people flows, in orderly and efficient fashion, at small stores, hyper markets and shopping malls alike.
- It is also well suited when fitted at swimming pools, sports facilities, wellness and health clubs, amusement parks, and so on ...
- Mechanical four-arm turnstile
- Its AISI 304 steel structure makes Compass a suitable product for outdoor fitting.

Dimensions (mm)



001PSOPG01
001PSOPG01X

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

Swivel gates	
--------------	--

001 PSSPCWO	Floor-anchoring mobile mechanical swivel-gate with free clockwise rotation.
--------------------	---

001 PSSPCCW	Floor-anchoring mobile mechanical swivel-gate with free counter-clockwise rotation.
--------------------	---

001 PSSPFMCWO	Fixed mechanical swing gate with wall-anchoring column and free clockwise rotation.
----------------------	---

001 PSSPFMCCW	Fixed swivel gate with wall-anchoring column and free counter-clockwise rotation.
----------------------	---

Accessories	
-------------	--

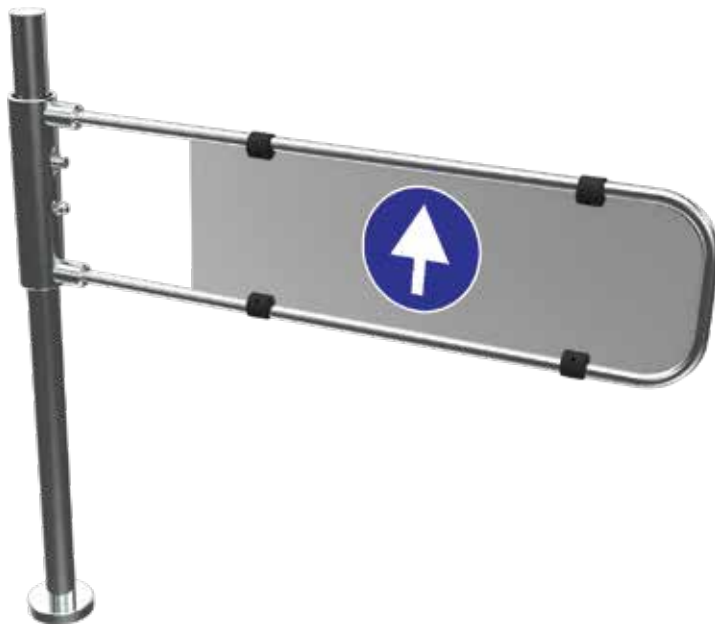
001 PSOPG01	Channeler complete with riser with AISI 304 stainless steel arch, galvanized steel anchoring flange and chromed plastic flange cover. H = 1,000 mm.
--------------------	---

001 PSOPG01X	Channeler made of AISI 304 steel complete with arched riser, fastening flange and flange cover. H = 1,000 mm.
---------------------	---



FLAG

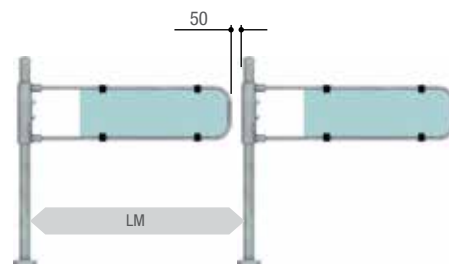
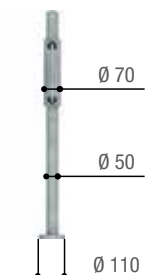
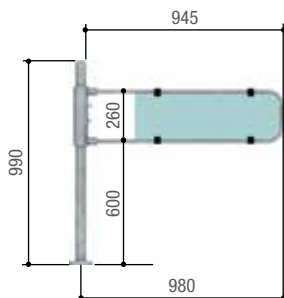
Mechanical saloon-type swing door



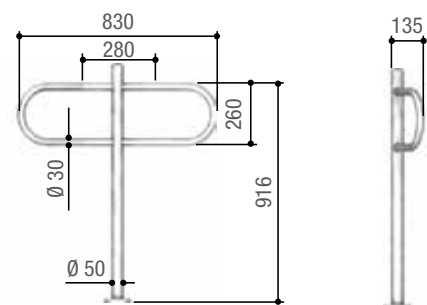
The multi-purpose solution for controlling people flows

- Flag is the push to open mechanical turnstile with counter-weighted-gravity mechanism.
- It is designed for: pools, sports centres, wellness and fitness centres, points of sale, shopping malls and supermarkets.
- It is designed to facilitate passage of physically challenged people.
- Flag is what you need when regulating people flows is your necessity.

Dimensions (mm)



LM = Max. net clearance width



001PSOPGO1
001PSOPGO1X

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

Mechanical saloon-type swing door	
-----------------------------------	--

001 PSBPCW0A	Mechanical swing door with right-hand column and key lock.
---------------------	--

001 PSBPCCWA	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.



ACCESSOIRES

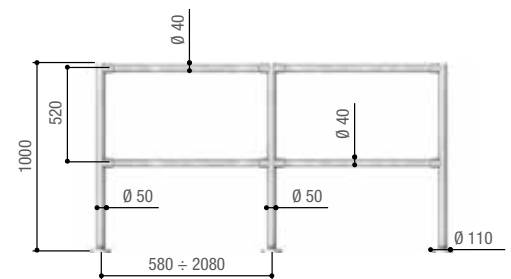
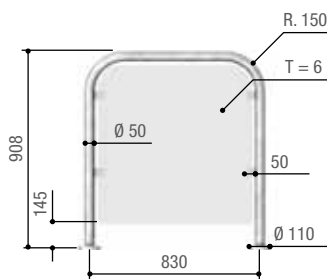
Crowd barriers



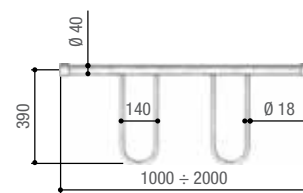
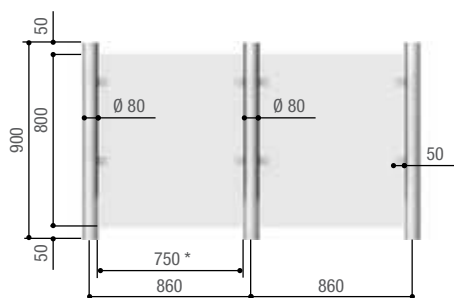
A complete range for completing any system configuration

- 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.

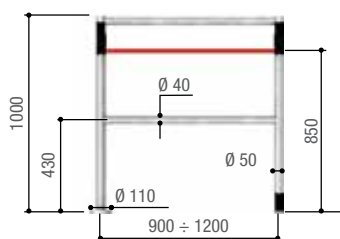
Dimensions (mm)



T = Thickness



* Max. dimensions



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.



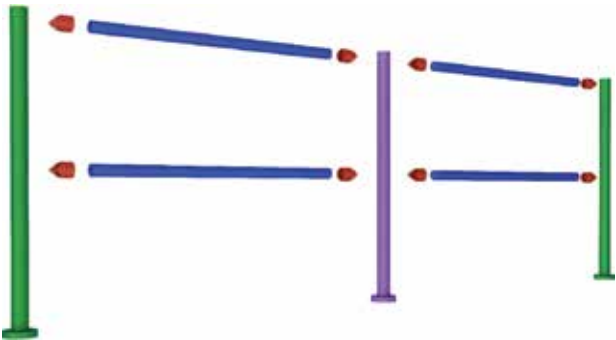
THE COMPLETE RANGE

Code Description

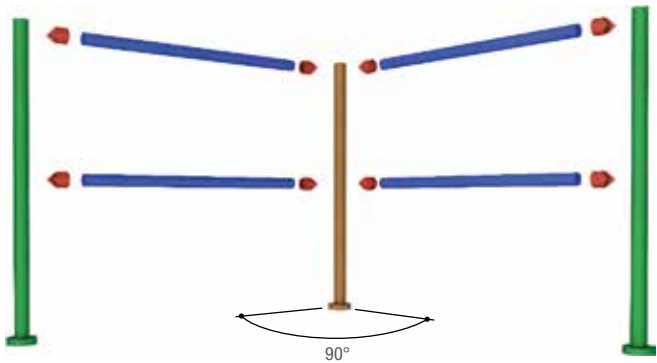
Tubes and couplers for joining crowd barriers	
001 PSTRT050	AISI 304 steel, horizontal tube Ø 40 mm, thickness 1 mm, L = 500 mm.
001 PSTRT100	AISI 304 steel, horizontal tube Ø 40 mm, thickness 1 mm, L = 1,000 mm.
001 PSTRT150	AISI 304 steel, horizontal tube Ø 40 mm, thickness 1 mm, L = 1,500 mm.
001 PSTRT200	AISI 304 steel, horizontal tube Ø 40 mm, thickenss 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.
---------------------	---

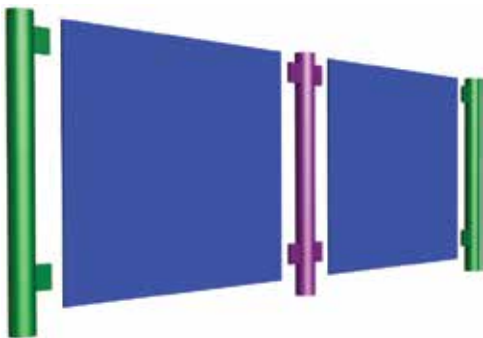


THE COMPLETE RANGE

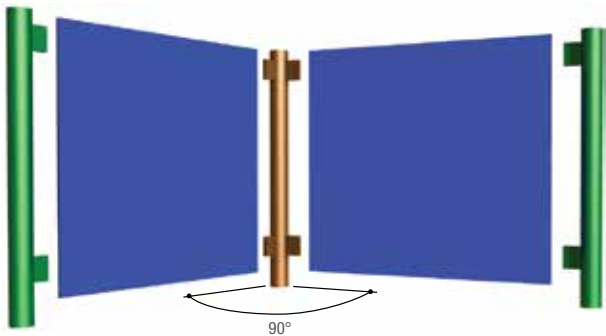
Code	Description
Joinable crowd barriers	
001 PSTRV80	Riser made of AISI 304 steel with no clips. H = 900 mm, Ø 80 mm.
001 PSTRV802F	Riser made of AISI 304 steel with two clips. H = 900 mm, Ø 80 mm.
001 PSTRV804F090	Riser made of AISI 304 steel with two + two clips at 90°. H = 900 mm, Ø 80 mm.
001 PSTRV804F180	Riser made of AISI 304 steel with two + two clips at 180°. H = 900 mm, Ø 80 mm.
001 PSTRV806F	Riser made of AISI 304 steel with six clips. H = 900 mm, Ø 80 mm.
001 PSTRV808F	Riser made of AISI 304 steel with eight clips. H = 900 mm, Ø 80 mm.
001 PSTRSFPL60875	Transparent, 6-mm thick, polycarbonate panel. L = 750 mm, H = 800 mm.
Custom coatings	
001 PSMTP01	Surcharge for change order to cut width of the polycarbonate panel.

NOTES
001PSMTP01 Specify the custom panel width which cannot, in any case, exceed 750 mm (the standard dimension).

Compositions



- 001PSTRV802F
- 001PSTRV804F180
- 001PSTRSFPL60875



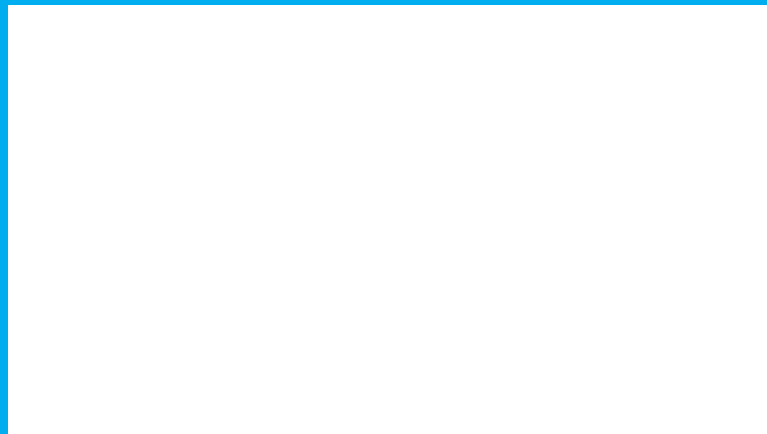
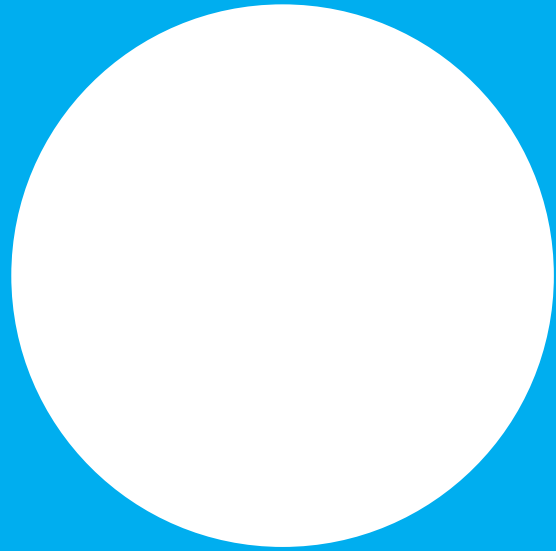
- 001PSTRV802F
- 001PSTRV804F090
- 001PSTRSFPL60875

**FIND OUT HOW TO
INCREASE URBAN SECURITY**



URBACO.CAME.COM

PARKING SYSTEMS



CAME.COM

296	Guide to choosing
298	PS Token
304	PS Barcode
310	PS Easy

Guide to choosing

Parking facilities

The table sums up the series and shows maximum operating levels according to the maximum number of parking spaces

Series	Model	Max. number of customers or parking spaces
PS Token	-	10000
PS Barcode	-	10000
PS Easy	-	UNLIMITED

● 230 V AC



GROUND LEVEL PARKING

Staffed or fully automated pay-to-park facilities, and high rotation switchers.

Came's Ps systems allow you to control regular permit-holders, and occasional parkers by issuing barcode or recycle transponder tickets, in prepaid debit or time mode, by using transponder cards.



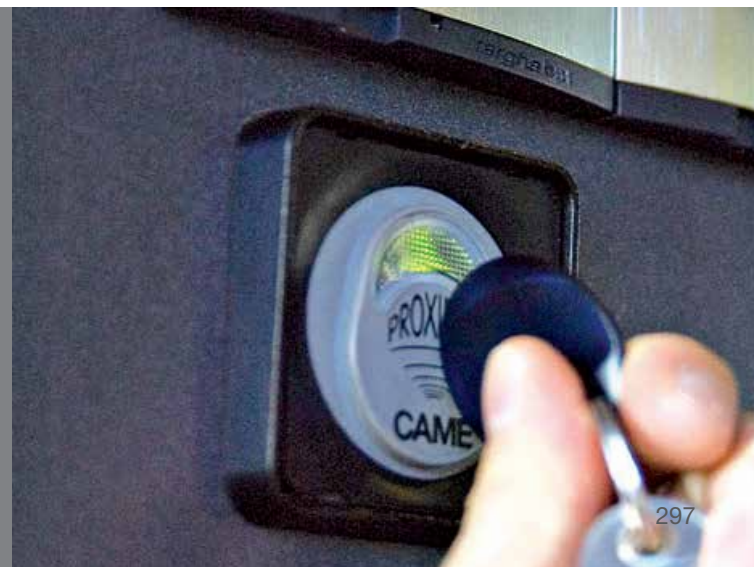
IN BUILDINGS

Multi-level or underground, high-rotation parking facilities, with parking-space counter and light boxes on all levels.

The Ps system are made to be staffed at one or more pay-stations, or to be completely automated by automatic pay-stations, or with either solution.

Handy transponder keyfob

The Came transponder keyfob brings you the full potential of a transponder card, plus its super handiness. The PCT keyfob provides the same characteristics of a card, but is sturdier and simpler to use.



PS Token

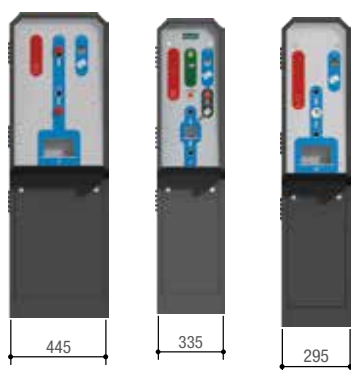
Automatic parking with transponder token



The transponder-token solution for managing walk-ins.

- User-friendly parking management system with transponder token. Designed to manage walk-in (occasional) users.
- Also manages permit holders that have the handy transponder cards.
- Its modularity and flexibility make the Ps Token ideal for complex set ups, such as on multi-level parking or ones with several entry and exit points.

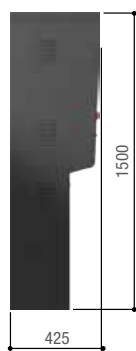
Dimensions (mm)



001PSE4000

001PSC4000

001PSU4000



001PSC6001

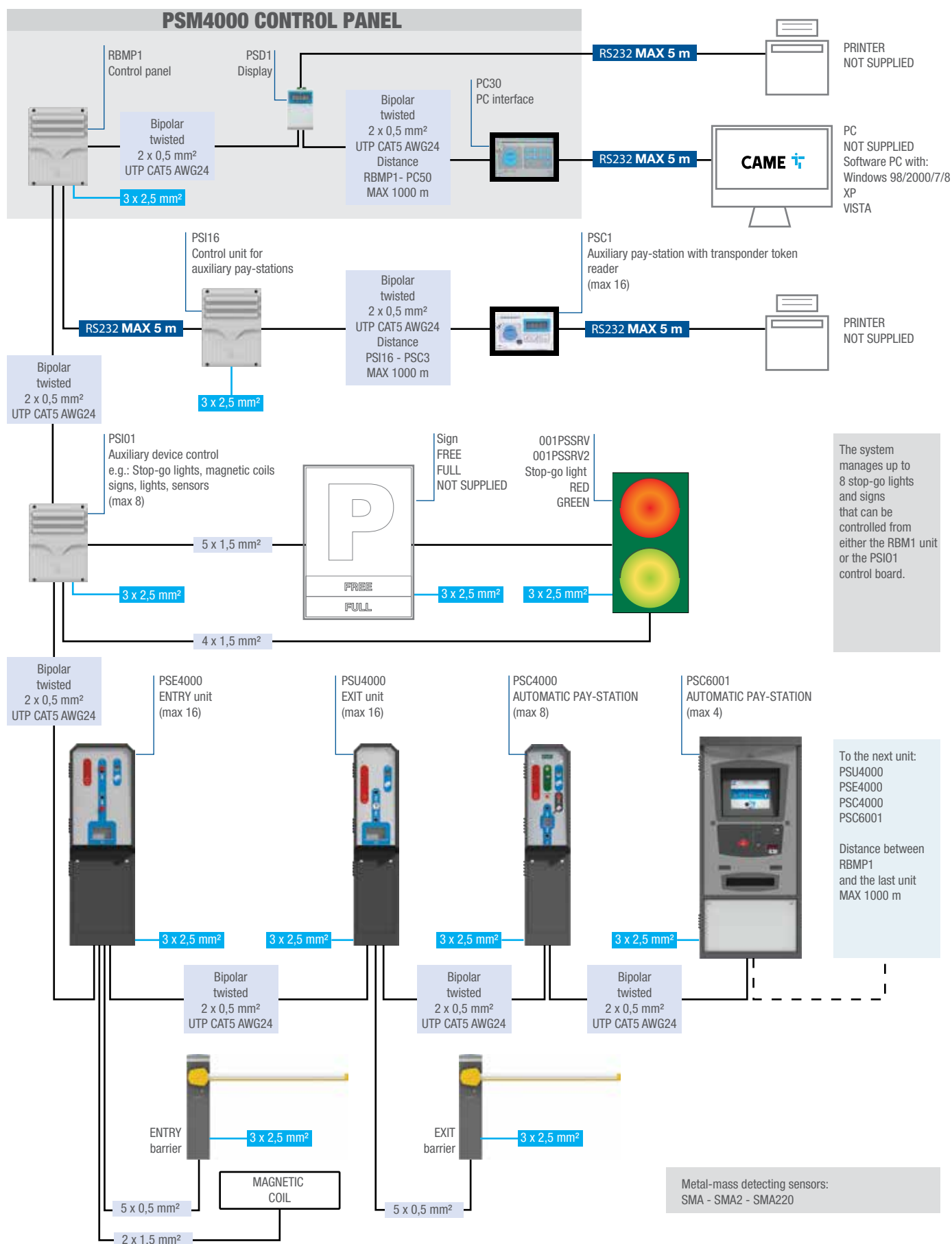


600

Technical characteristics

MODELS	IP	DESCRIPTION	DIMENSIONS (mm)	POWER SUPPLY (V - 50/60 Hz)	MATERIAL / COLOR	MAX ABSORPTION (VA)	ABSORPTION AT REST (VA)	ABSORPTION AT WORK (VA)
PSC4000	40	Automatic pay-station	(see drawing)	230 AC	Steel / RAL 1028	*200	125	*46
PSE4000	44	Entry unit	(see drawing)	230 AC	Steel / RAL 1028	*180	98	*42
PSU4000	-	Exit unit	(see drawing)	230 AC	Steel / RAL 1028	*235	72	*55
PSC6001	40	Automatic pay-station	(see drawing)	230 AC	Steel / code 053 0837	400	360	92
PSM4000	-	Manual pay-station	-	230 AC	-	-	-	-
PC30	20	PC interface	185 x 130 x 155	12 AC (power supply unit)	ABS	-	175	-
PSIO1	-	Auxiliary device control	320 x 240 x 145	-	ABS	-	60	-
PSC1	-	Auxiliary pay-station	185 x 130 x 55	-	ABS	-	195	-
PSD1	-	Display	145 x 185 x 40	-	ABS	-	150	-
RBMP1	-	Control panel	320 x 240 x 145	-	ABS	-	35	-
PSI16	-	Auxiliary pay-station control	320 x 240 x 145	-	ABS	-	35	-
GET	-	Transponder TAG bulb	33 x 49 x 4	-	Glass	-	-	-
PSINS	55	Sign	900 x 1300 x 80	230 AC	Aluminum / Polymethacrylate	-	-	-
PSSRV	55	Red / Green stop-go light	265 x 635 x 430	230 AC	Steel / Polymethacrylate	-	-	-
PSSRV2	55	Red / Green LED stop-go light	180 x 410 x 290	230 AC	Steel / Polymethacrylate	-	-	-
TST01	-	Transponder card	ISO7810 - 7813 (85 x 54 mm)	-	-	-	-	-
PCT	-	Transponder keyfob	ISO7810-7813 (85 x 54)	-	ABS	-	-	-
TAG	-	Transponder TAG bulb	33 x 49 x 4	-	Glass	-	-	-
SMA2	20	-	-	24 V AC - DC	ABS	-	-	-

* With the heating unit active, the resistance absorbs an additional 500 mA and requires an additional 90 W of power



ELEMENTS OF THE SYSTEM



PSE4000 ENTRY UNIT

Designed to manage entries using barcode tickets, it has two buttons for requesting tickets, at two different heights, a transponder card reader for managing permit holders and is set up for connecting an intercom. Made of sturdy galvanized plate steel with epoxy-powder coating, anchored to the ground using the supplied base.

PSU4000 EXIT UNIT

For using validated transponder tokens (in automatic or manual mode) at exits. Complete with transponder card reader for managing permit holders, and is set up for connecting an intercom. Made of sturdy galvanized plate steel with epoxy-powder coating, anchored to the ground using the supplied base.

PSC4000 AUTOMATIC PAY STATION

It manages payment transactions and transponder token validations. Complete with multiple denomination coin reader, transponder card reader for managing permit holders, thermal paper printer and receipt printout. Made of sturdy galvanized plate steel with epoxy-powder coating, anchored to the ground using the supplied base.

001PSC6001 TOUCH-SCREEN AUTOMATIC PAY STATION

The TOUCH SCREEN automatic pay-station made of tamper-proof steel. Coin, bill, and if featured, credit card payments. Permit holders can recharge their own transponder cards at the payment station.

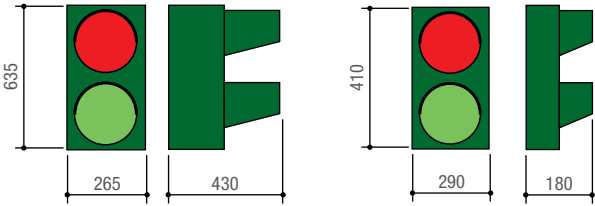
Functions

- Multi-language menu with six available languages.
- Coin and bill reader, programmable according to the local currency.
- Signaling during payment: amount to pay - required - change.
- It manages permit holders with transponder cards, and can recharge parking permits directly at the automatic pay-station.

PSC1 AUXILIARY PAY STATION

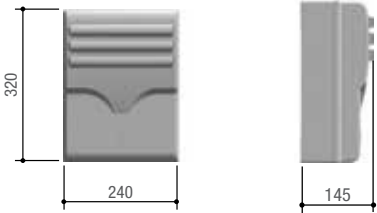
A special unit to set up several toll validation and payment stations, even PC-free ones. It is very useful at supermarket cashier stations, or whenever management wishes to grant complementary or reduced-rate parking to loyal customers.





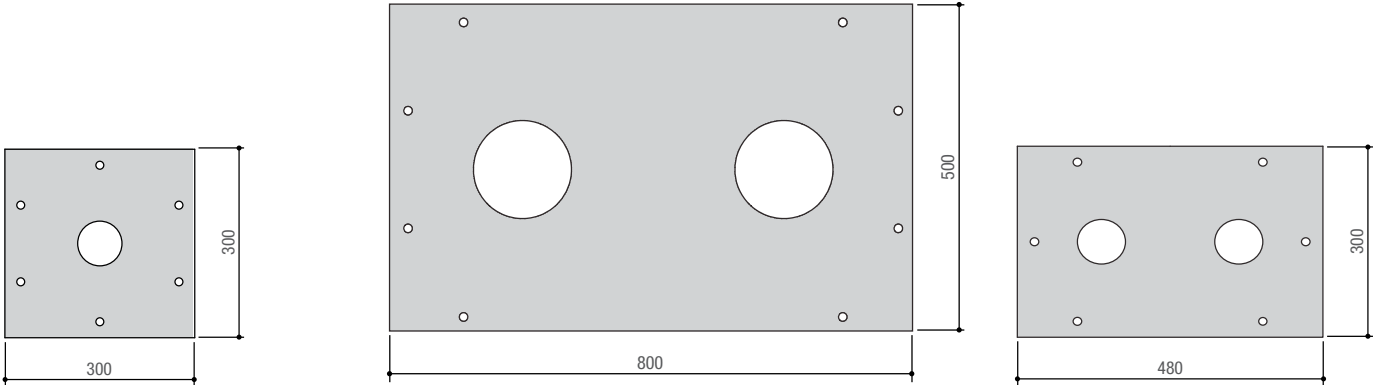
PSSRV

PSSRV2



PSM4000
PSIO1
PSI16

Dimensions of the anchoring plates (mm)



PSU4000
PSC4000

PSC6001

PSE4000

THE COMPLETE RANGE

Code Description

230 V AC automatic parking system	
001 PSC4000	Automatic pay-station made of varnished galvanized steel, complete with sensor for transponder cards and keyfobs, plus coin pay, 009GET token reader and display with receipt printout and with no change-giver).
001 PSE4000	Entry unit made of varnished galvanized steel, complete transponder card and keyfob sensor and 009GETcoin feeder.
001 PSU4000	Exit unit made of varnished galvanized steel, complete transponder card and keyfob sensor and 009GETcoin feeder.
001 PSC6001	Automatic pay-station with painted galvanized steel cabinet, AISI 304 satin-finish steel panel, featuring a PC and a coin and bill feeder and change giver.
001 PSM4000	Staffed pay-station complete with electronic control unit, management software, display ad PC30 interface for connecting to a PC.
002 PSI01	Control of auxiliary devices for connecting stop-go lights, light boxes, magnetic and safety sensors (max. eight outputs).
001 PSC1	Auxiliary manual pay-station Together with the PSI16, is serves as a pay-station needing no stable PC connection.
001 PSI16	Interface for collecting maximum 16 auxiliary manual pay-stations.
009 GET	Transponder token
Warning accessories	
001 PSSRV	Red and green stop-go light composed of two separate modules measuring 265 x 200 x 500 mm, made of ABS with polymethacrylate screen measuring Ø 200 mm and a protection rating of IP55.
001 PSSRV2	Red and green LED stop-go light, with overall dimensions of 290 x 180 x 410 mm, made of ABS with polymethacrylate screen measuring Ø 125 mm and a protection rating of IP55.

NOTES

001PSSRV - Max. power of each light 70 W at 230 V AC, with rain-flap for each module measuring Ø 220 mm L = 200 mm).
THE BULBS ARE NOT INCLUDED.



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

Accessories for: 001PSE4000 - 001PSU4000 - 001PSC4000 - 001PSC6001	
--	--

001 TST01	Transponder card, ISO 7810 - 7813 format, Manchester 125 KHz protocol.
------------------	--

009 PCT	Keyfob transponder.
----------------	---------------------

009 TAG	Glass transponder-bulb for Twin series.
----------------	---

001 PSV01	Ventilation kit for cabinets complete with two fans.
------------------	--

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.
-----------------	---



N.B.
001PSV01 Suggested for installations in very hot climates.

PS Barcode

Automatic parking with barcode ticket



The solution with barcode ticket for managing occasional users

- System for managing occasional customers and permit holders.
- The system is customizable according to the facility's actual needs.
- It cuts operating costs and increases profitability.
- Ideal for establishing commercial agreements with both public and private sector entities.
- Extremely modular and efficient service.
- Barcode Ticket printed on precut FANFOLD ISO STANDARD thermal paper.

Dimensions (mm)



001PSE3000



001PSC3000



001PSU3000



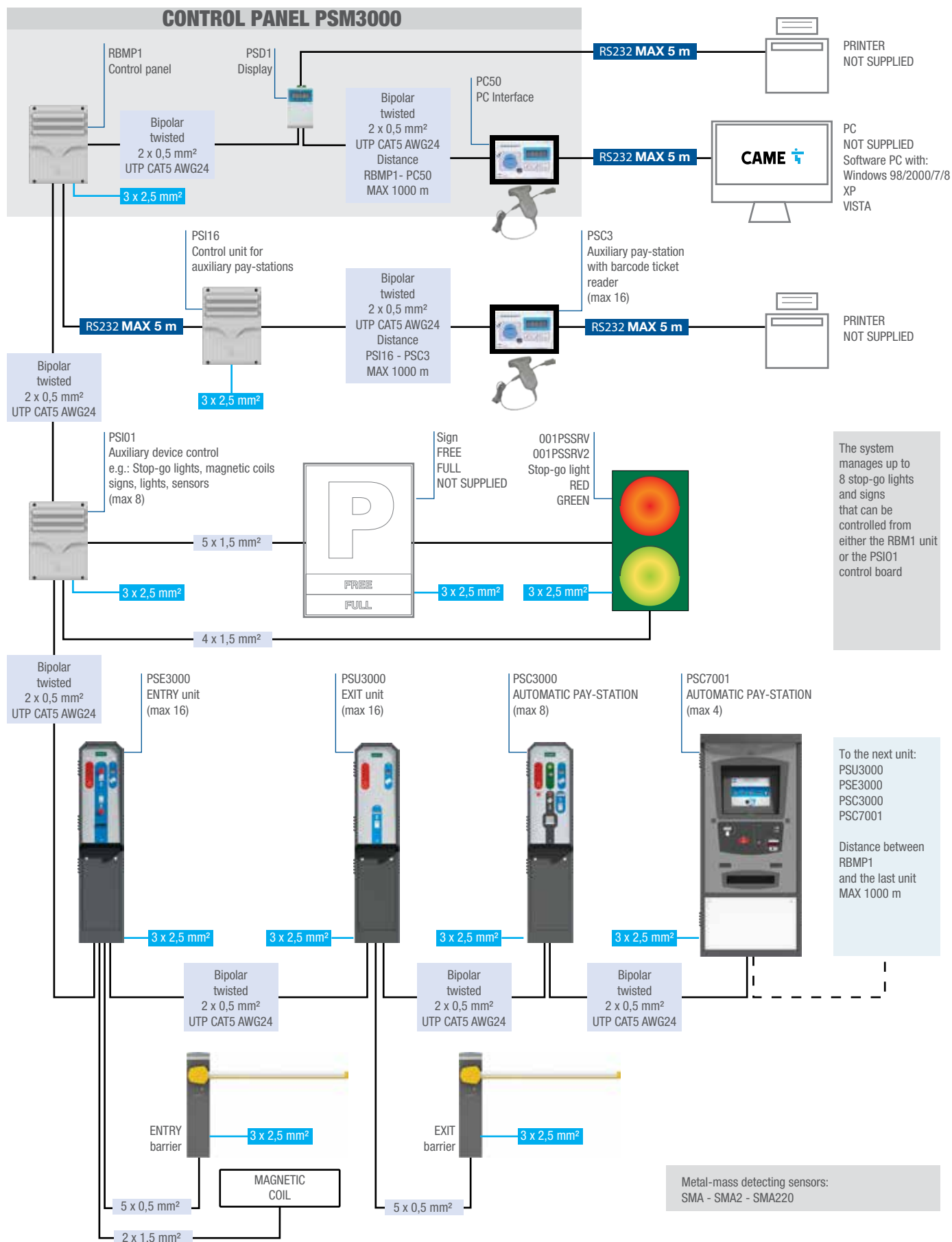
001PSC7001



Technical characteristics

MODELS	IP	DESCRIPTION	DIMENSIONS (mm)	POWER SUPPLY (V - 50/60 Hz)	MATERIAL / COLOR	MAX ABSORPTION (VA)	ABSORPTION AT REST (VA)	ABSORPTION AT WORK (VA)
PSE3000	44	Entry unit	(see drawing)	230 AC	Steel / RAL 1028	*180	98	*42
PSU3000	44	Exit unit	(see drawing)	230 AC	Steel / RAL 1028	*235	72	*55
PSC3000	40	Automatic pay-station	(see drawing)	230 AC	Steel / RAL 1028	*200	125	*46
PSC7001	40	Automatic pay-station	(see drawing)	230 AC	Steel / code 053 0837	400	360	92
PC50	20	PC interface	185 x 130 x 155	-	ABS	-	175	-
PSM3000	-	Manual pay-station	-	230 AC	-	-	-	-
PSIO1	-	Auxiliary device control	320 x 240 x 145	-	ABS	-	60	-
PSC3	-	Auxiliary pay-station	185 x 130 x 55	-	ABS	-	195	-
PSD1	-	Display	145 x 185 x 40	-	ABS	-	150	-
RBMP1	-	Control panel	320 x 240 x 145	-	ABS	-	35	-
PSI16	-	Auxiliary pay-station control	320 x 240 x 145	-	ABS	-	35	-
PSTICKET2A	-	-	-	-	-	-	-	-
PSSRV	55	Red / Green stop-go light	265 x 635 x 430	230 AC	Steel / Polymethacrylate	-	-	-
PSSRV2	55	Red / Green LED stop-go light	180 x 410 x 290	230 AC	Steel / Polymethacrylate	-	-	-
TST01	-	Transponder card	ISO7810 - 7813 (85 x 54 mm)	-	-	-	-	-
PCT	-	Transponder keyfob	ISO7810-7813 (85 x 54)	-	ABS	-	-	-
TAG	-	Transponder TAG bulb	33 x 49 x 4	-	Glass	-	-	-

* With the heating unit active, the resistance absorbs an additional 500 mA and requires an additional 90 W of power



ELEMENTS OF THE SYSTEM



PSE3000 ENTRY UNIT

Designed to manage entries using barcode tickets, it has two buttons for requesting tickets, at two different heights, a transponder card reader for managing permit holders and is set up for connecting an intercom. Made of sturdy galvanized plate steel with epoxy-powder coating, anchored to the ground using the supplied base.

PSU3000 EXIT UNIT

For using validated transponder tokens (at automatic or manual) at exits. Complete with transponder card reader for managing permit holders, and is set up for connecting an intercom. Made of sturdy galvanized plate steel with epoxy-powder coating, anchored to the ground using the supplied base.

PSC3000 AUTOMATIC PAY STATION

It processes payment transactions and validates barcode tickets, complete with coin reader for various denominations, plus transponder card reader for managing permit holders, and thermal-paper receipt printer. Made of sturdy galvanized plate steel with epoxy-powder coating, anchored to the ground using the supplied base.

001PSC7001 TOUCH-SCREEN AUTOMATIC PAY STATION

The new TOUCH SCREEN automatic pay-station made of tamper-proof steel. Coin, bill, and if featured, credit card payments. Permit holders can recharge their own transponder cards at the payment station.

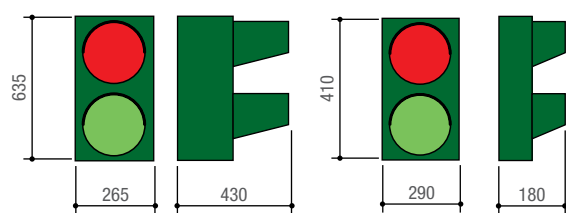
Functions

- Multi-language menu with six available languages.
- Coin and bill reader, programmable according to the local currency.
- Signaling during payment: amount to pay - required - change.
- Manages permit holders with transponder cards, and can recharge parking permits directly at the automatic pay-station.

PSC3 AUXILIARY PAY STATION

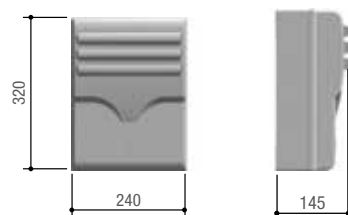
A special unit to set up several toll validation and payment stations, even PC-free ones. It is very useful at supermarket cashier stations, or whenever management wishes to grant complementary or reduced-rate parking to loyal customers.





PSSRV

PSSRV2

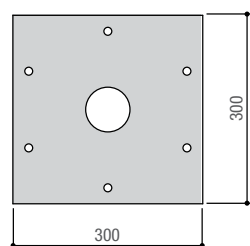


PSM3000

PSIO1

PSI16

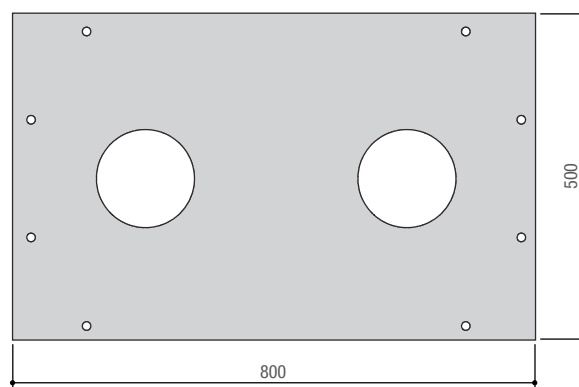
Dimensions of the anchoring plates (mm)



PSE3000

PSU3000

PSC3000



PSC6001

THE COMPLETE RANGE

Code Description

230 V AC automatic parking system

001 PSE3000	Entry unit made of painted galvanized steel, complete with transponder card and keyfob sensor, ticket issuer and display for viewing permit holders' credit balances.
001 PSU3000	Exit unit made of painted galvanized steel, complete with transponder card and keyfob sensor, ticket issuer and display for viewing permit holders' credit balances.
001 PSC3000	Automatic pay-station made of painted galvanized steel, complete with transponder card or keyfob sensor and display (with no change giver and with receipt printout).
001 PSC7001	Automatic pay-station with painted galvanized steel cabinet, AISI 304 satin-finish steel panel, featuring a PC, and a coin and bill reader with change giver device for barcode tickets.
001 PSM3000	Staffed pay-station with control panel, management software, display and PC50 interface for connecting to the PC.
002 PSI01	Control of auxiliary devices for connecting stop-go lights, light boxes, magnetic and safety sensors (max. eight outputs).
001 PSC3	Auxiliary manual pay-station Together with the PSI16, it serves as a pay-station needing no stable PC connection.
001 PSI16	Interface for collecting maximum 16 auxiliary manual pay-stations.
001 PSTICKET2A	Package of 2,000 precut FANFOLD ISO STANDARD tickets.

Warning accessories

001 PSSRV	Red and green stop-go light composed of two separate modules measuring 265 x 200 x 500 mm, made of ABS with polymethacrylate screen measuring Ø 200 mm and a protection rating of IP55.
001 PSSRV2	Red and green LED stop-go light, with overall dimensions of 290 x 180 x 410 mm, made of ABS with polymethacrylate screen measuring Ø 125 mm and a protection rating of IP55.

NOTES

001PSSRV - the max. power of each light is 70 W at 230 V AC, complete with rain guard for each module (rain guard dimensions Ø 220 mm L = 200 mm).
THE BULBS ARE NOT INCLUDED.



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

Accessories for: 001PSE3000 - 001PSU3000 - 001PSC3000 - 001PSC7001	
--	--

001 TST01	Transponder card, ISO 7810 - 7813 format, Manchester 125 KHz protocol.
------------------	--

009 PCT	Keyfob transponder.
----------------	---------------------

009 TAG	Glass transponder-bulb for Twin series.
----------------	---

001 PSV01	Ventilation kit for cabinets complete with two fans.
------------------	--

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.
-----------------	---



N.B.

001PSV01 Suggested for installations in very hot climates.

PS Easy

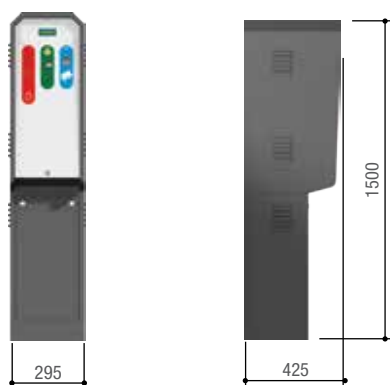
Simplified automatic parking



The simple solution for managing small parking areas with fixed toll charges

- Simplified coin-operated fixed-rate pay-to-park system
- Single unit for managing entries or exits, made of sturdy plate steel.
- Control of the associated barrier and control of the opening after payment is received.
- An extremely simple low-cost solution, especially designed to meet the needs of typical small parking facilities.

Dimensions (mm)



Technical characteristics

MODELS	IP	DESCRIPTION	DIMENSIONS (mm)	POWER SUPPLY (V - 50/60 Hz)	MATERIAL / COLOR	MAX ABSORPTION (VA)	ABSORPTION AT REST (VA)	ABSORPTION AT WORK (VA)
PS5000	40	Automatic pay-station	(see drawing)	230 AC	Steel / RAL 1028	*190	125	*44
PSSRV	55	Red / Green stop-go light	265 x 635 x 430	230 AC	Steel / Polymethacrylate	-	-	-
PSSRV2	55	Red / Green LED stop-go light	180 x 410 x 290	230 AC	Steel / Polymethacrylate	-	-	-

* With the heating unit active, the resistance absorbs an additional 500 mA and requires an additional 90 W of power

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

230 V AC automatic parking system	
-----------------------------------	--

001 PS5000	Automatic pay-station made of painted galvanized steel, with coin-pay system and display (fixed toll - no change giver).
-------------------	--

001 PSSRV	Red and green stop-go light composed of two separate modules measuring 265 x 200 x 500 mm, made of ABS with polymethacrylate screen measuring Ø 200 mm and a protection rating of IP55.
------------------	---

001 PSSRV2	Red and green LED stop-go light, with overall dimensions of 290 x 180 x 410 mm, made of ABS with polymethacrylate screen measuring Ø 125 mm and a protection rating of IP55.
-------------------	--

24 V AC - DC magnetic sensors	
-------------------------------	--

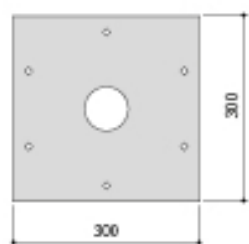
009 SMA	Single.-channel magnetic sensor for detecting metal masses.
----------------	---



009 SMA2	Two-channel magnetic sensor for detecting metal masses.
-----------------	---



Dimensions of the anchoring plates (mm)



PS5000

Analytical index

Page Code

Page Code

Page Code

Page Code

Page Code

COMPLETE KITS

63	001TRA03 - TOP Fixed Code	103	001A3000	237	001DD-1KA	167	001G02802	169	001G4040Z
58	001U1274 - FERNI	103	001A3000A	237	001DD-1KB	176	001G02805	172	001G4140IZ
58	001U1275 - FERNI	103	001A3006	235	001DD-1TA433	150	001G02807	172	001G4140Z
54	001U1626ML - KRONO	105	001A3010	235	001DD-1TA868	158	001G02808	165	001G5000
51	001U1855 - FAST 70	104	001A3024N	249	001DELTA-B	150	001G02809	159	001G6000
51	001U1872 - FAST 70	103	001A3100	249	001DELTA-BN	158	001G028401	161	001G6010
57	001U1901ML - FROG	103	001A3100A	249	001DELTA-E	158	001G028402	158	001G6500
57	001U1991ML - FROG	103	001A3106	249	001DELTA-I	167	001G03000	158	001G6501
46	001U2303ML - BX	124	001A4364	249	001DELTA-SE	167	001G03001	199	001H001
46	001U2914ML - BX	124	001A4365	249	001DELTA-SI	167	001G03002	74	001H3000
56	001U7013ML - ATI	124	001A4366	241	001DFI	167	001G03003	199	001H3001
56	001U7117ML - ATI	124	001A4370	241	001DFWN1500	167	001G03004	199	001H40230120
55	001U7315ML - AXO	127	001A4801	241	001DFWN1700	167	001G03005	199	001H40230180
55	001U7337ML - AXO	103	001A5000	241	001DFWN2000	167	001G03006	199	001H41230120
53	001U8121 - STYLO	103	001A5000A	241	001DFWN2500	163	001G03250	199	001H41230180
53	001U8212 - STYLO	103	001A5006	249	001DIR10	163	001G03250K	239	001KIAROS
50	8K01MB-006 - FTX	104	001A5024N	249	001DIR20	157	001G03750	239	001KLED
49	8K01MB-007 - FTL	103	001A5100	249	001DIR30	170	001G03751	239	001KLED24
52	8K01MB-008 - FAST 70	103	001A5100A	247	001DIR-CG	170	001G03752	107	001KR001
50	8K01MB-010 - FTX	103	001A5106	247	001DIR-CGP	171	001G03753	107	001KR300D
48	8K01MP-006 - AXI	234	001AF43S	247	001DIR-L	157	001G03755DX	107	001KR300S
48	8K01MP-012 - AXI	234	001AF43SR	247	001DIR-LN	157	001G03755SX	107	001KR301D
47	8K01MP-016 - AXL	267	001AF43TW	247	001DIR-P	157	001G03756	107	001KR301S
45	8K01MS-003 - BXV	234	001AF868	247	001DIR-PN	176	001G04000	107	001KR302D
45	8K01MS-004 - BXV	234	001AF86SR	247	001DIR-S	171	001G04002	107	001KR302S
44	8K01MS-015 - BXL	207	001ARK1	250	001DIRZ	171	001G04003	107	001KR310D
59	8K01MV-005 - VER	207	001ARK2	249	001DOC-L	159	001G0401	107	001KR310S
59	8K01MV-006 - VER	261	001AT02D	249	001DOC-LN	157	001G0402	107	001KR312D
59	8K01MV-007 - VER	261	001AT04D	249	001DOC-R	159	001G0403	107	001KR312S
61	8K01MV-008 - VER PLUS	101	001AX302304	141	001E781A	159	001G0405	107	001KR510D
61	8K01MV-009 - VER PLUS	101	001AX3024	141	001E782A	154	001G04060	107	001KR510S
62	8K01MV-010 - VER PLUS	101	001AX312304	141	001E783	159	001G0460	118	001LBF70
60	8K01MV-017 - VER	101	001AX402306	141	001E784	158	001G04601	101	001LOCK81
60	8K01MV-018 - VER	101	001AX412306	141	001E785A	157	001G0461	101	001LOCK82
63	8K06RV-001 - TOP Rolling Code	101	001AX5024	141	001E786A	158	001G0465	267	001P3V
64	8K06RV-002 - TOP Rolling Code	101	001AX71230	141	001E787A	159	001G0467	311	001PS5000
64	8K06SS-001 - RIO System 2.0	77	001B4337	141	001EM4001	158	001G0468	287	001PSBPCCWA
64	8K09QA-001 - H4	82	001B4353	141	001EM4024	165	001G0502	287	001PSBPCCWOA
		89	001BY-3500T	141	001EM4024CB	165	001G05350	287	001PSBPOOA
		187	001C002	187	001F4004	176	001G06000	275	001PSBPS07N
		191	001C003	187	001F40230E	159	001G0601	275	001PSBPS08
		191	001C004	187	001F4024E	158	001G0602	275	001PSBPS09
		191	001C005	187	001F4024EP	159	001G0603	275	001PSBPS10
		191	001C006	117	001FA70230	160	001G0605	302	001PSC1
		191	001C007	117	001FA70230CB	154	001G06080	308	001PSC3
		191	001C008	117	001FA7024	158	001G06802	308	001PSC3000
		191	001C009	117	001FA7024CB	177	001G06803	302	001PSC4000
		191	001C010	121	001FE40230	158	001G06850	302	001PSC6001
		209	001CAR-2	121	001FE40230V	179	001G12000K	308	001PSC7001
		209	001CAR-4	121	001FE4024	179	001G12010K	308	001PSE3000
		209	001CAT-15	121	001FE4024V	179	001G12010KS	302	001PSE4000
		209	001CAT-5	121	001FERNI-BDX	179	001G1325	279	001PSGD3
		209	001CAT-I	121	001FERNI-BSX	175	001G2080E	279	001PSGD4
		209	001CAT-X	124	001FL-180	175	001G2080EZZ	279	001PSGS3
		209	001CAT-X110	123	001FROG-A	175	001G2080EZZ	279	001PSGS4
		209	001CAT-X24	123	001FROG-A24	175	001G2080IE	302	001PSI6
		209	001CAT-X24110	123	001FROG-A24E	175	001G2080IZ	308	001PSM3000
		189	001C-BX	123	001FROG-AE	175	001G2080Z	302	001PSM4000
		189	001C-BXE	123	001FROG-AV	177	001G2180Z	287	001PSMLANT01
		189	001C-BXE24	129	001FROG-CD	177	001G2180ZS	271	001PSMM01
		189	001C-BXEK	124	001FROG-CFN	157	001G2500	271	001PSMM02
		190	001C-BXET	124	001FROG-CFNI	167	001G3000DX	271	001PSMMA-A
		189	001C-BXK	129	001FROG-CS	167	001G3000IDX	271	001PSMMA-B
		190	001C-BXT	129	001FROG-MD	167	001G3000ISX	271	001PSMMA-C
		187	001CMS	129	001FROG-MS	167	001G3000SX	271	001PSMMA-D
		231	001CSS	127	001FROG-PC	163	001G3250	292	001PSMTP01
		231	001CSSN	127	001FROG-PM4	157	001G3750	275	001PSOPCN03
		104	001D001	127	001FROG-PM6	157	001G3751	271	001PSOPGO1
		245	001DBC01	179	001G0121	159	001G4000	271	001PSOPGO1X
		243	001DB-CG	176	001G02000	161	001G4010	275	001PSOPSC01
		245	001DBCT	154	001G02040	169	001G4040E	275	001PSOPSF03
		243	001DB-L	157	001G0251	169	001G4040EZ	157	001PSRT01
		243	001DB-LN	157	001G0257	169	001G4040EZZ	283	001PSSA01
		245	001DBS01	167	001G02801	169	001G4040IE	283	001PSSA03
		245	001DBS02	177	001G028011	169	001G4040IZ	283	001PSSA04

Page	Code	Page	Code	Page	Code	Page	Code	Page	Code
283	001PSSL120	109	001STYLO-ME	71	009CGZ	150	803XA-0080	227	8K06SA-001
283	001PSSL90	109	001STYLO-RME	82	009CGZ6	153	803XA-0140	231	8K06SL-004
283	001PSSLC	241	001TMF6W	71	009CGZP	149	803XA-0150	231	8K06SL-005
283	001PSSLN40	241	001TMFW	71	009CGZS	149	803XA-0160	253	8K06TS-001
285	001PSSPCCW	263	001TOP-432EE	235	009DOC-S	153	803XA-0170	257	8K06TS-002
285	001PSSPCWO	263	001TOP-434EE	302	009GET	149	803XA-0180		
285	001PSSPFMCCW	265	001TOP-862EE	235	009PCT	149	803XA-0190		
285	001PSSPFMCWO	265	001TOP-864EE	241	009RV117H	153	803XA-0200		
302	001PSSRV	235	001TOP-A433N	241	009RV118A	154	803XA-0210		
302	001PSSRV2	235	001TOP-A862N	241	009RV118I	234	806RV-0010		
277	001PST001	235	001TOP-RG58	233	009SMA	234	806RV-0020		
277	001PST002	235	001TST01	233	009SMA2	227	806SA-0010		
277	001PST003	267	001TW2EE	233	009SMA220	227	806SA-0020		
277	001PST004	267	001TW4EE	235	009TAG	227	806SA-0030		
308	001PSTICKET2A	207	001UNIP	279	119COLOR16	227	806SA-0040		
291	001PSTPC100	227	001UR042	111	801MB-0050	227	806SA-0050		
291	001PSTPC150	137	001V005	113	801MB-0070	150	806SA-0080		
291	001PSTPC200	139	001V06001	111	801MB-0080	86	806SA-0090		
291	001PSTRFPA	139	001V06002	117	801MB-0090	154	806SA-0100		
291	001PSTRFPAN	139	001V06003	117	801MB-0100	86	806SA-0120		
290	001PSTRM001	139	001V06005	113	801MB-0110	227	806SA-0130		
290	001PSTRM003	139	001V06006	113	801MB-0120	231	806SL-0010		
290	001PSTRM004	139	001V06007	97	801MP-0020	231	806SL-0020		
292	001PSTRSFPL60875	137	001V0679	99	801MP-0030	231	806SL-0050		
290	001PSTRT050	137	001V0682	99	801MP-0040	231	806SL-0051		
290	001PSTRT100	137	001V0683	77	801MS-0020	231	806SL-0060		
290	001PSTRT150	137	001V0684	77	801MS-0030	231	806SL-0061		
290	001PSTRT200	137	001V0685	78	801MS-0060	231	806SL-0090		
289	001PSTRV	137	001V0686	81	801MS-0070	231	806SL-0100		
289	001PSTRV2F	137	001V0687	81	801MS-0080	233	806SL-0110		
289	001PSTRV4F180	137	001V0688	81	801MS-0090	233	806SL-0120		
289	001PSTRV4F90	137	001V121	81	801MS-0100	233	806SL-0150		
289	001PSTRV6F	137	001V122	82	801MS-0110	233	806SL-0160		
292	001PSTRV80	137	001V201	81	801MS-0120	233	806SL-0170		
292	001PSTRV802F	124	002LB18	81	801MS-0130	233	806SL-0180		
292	001PSTRV804F090	101	002LB180	71	801MS-0140	233	806SL-0210		
292	001PSTRV804F180	207	002LB22	73	801MS-0150	234	806SL-0230		
292	001PSTRV806F	158	002LB38	73	801MS-0160	233	806SL-0240		
292	001PSTRV808F	165	002LB39	73	801MS-0180	233	806SL-0250		
289	001PSTRV8F	101	002LB90	73	801MS-0190	243	806SS-0010		
289	001PSTRVX	189	002LBD2	73	801MS-0210	243	806SS-0020		
289	001PSTRVX2F	141	002LBEM40	73	801MS-0230	243	806SS-0030		
289	001PSTRVX4F180	207	002LM22	73	801MS-0250	243	806SS-0040		
289	001PSTRVX4F90	302	002PSIO1	75	801MS-0260	243	806SS-0050		
289	001PSTRVX6F	71	002RLB	75	801MS-0270	247	806TF-0030		
289	001PSTRVX8F	74	002RSE	75	801MS-0280	247	806TF-0040		
308	001PSU3000	103	002ZA3P	75	801MS-0290	247	806TF-0050		
302	001PSU4000	105	002ZA3P110	85	801MS-0300	257	806TS-0090		
291	001PSUS090D	189	002ZC3	85	801MS-0310	257	806TS-0091		
291	001PSUS090S	189	002ZC3C	85	801MS-0320	257	806TS-0092		
291	001PSUS120D	189	002ZCX10	85	801MS-0330	257	806TS-0093		
291	001PSUS120S	189	002ZCX10C	85	801MS-0340	257	806TS-0094		
303	001PSV01	123	002ZL170N	85	801MS-0350	257	806TS-0095		
281	001PSWL60	104	002ZL180	85	801MS-0360	257	806TS-0100		
281	001PSWL60C	105	002ZL180110	85	801MS-0370	257	806TS-0101		
281	001PSWL90	123	002ZL19N	73	801MS-0380	257	806TS-0102		
281	001PSWL90C	207	002ZL22	73	801MS-0390	257	806TS-0103		
281	001PSWLC	97	002ZL60	137	801MV-0010	257	806TS-0104		
281	001PSWNG40	99	002ZL65	137	801MV-0020	257	806TS-0105		
273	001PSXV02	99	002ZL65-110	139	801MV-0050	253	806TS-0110		
273	001PSXV03	189	002ZL80	139	801MV-0060	253	806TS-0111		
273	001PSXVA5	189	002ZL80C	137	801XC-0010	253	806TS-0112		
273	001PSXVA6	109	002ZL92	111	801XC-0070	253	806TS-0113		
77	001R001	101	002ZLJ14	77	801XC-0100	253	806TS-0114		
74	001R700	101	002ZLJ24	86	801XC-0120	253	806TS-0115		
71	001R800	101	002ZM3E	86	801XC-0130	253	806TS-0120		
234	001RE432M	187	002ZM3EC	149	803BB-0070	253	806TS-0121		
234	001RE862M	127	002ZM3EP	153	803BB-0120	253	806TS-0122		
71	001RGP1	129	002ZM3ES	150	803XA-0010	253	806TS-0123		
74	001RSDN001	190	002ZT5	149	803XA-0020	253	806TS-0124		
74	001RSDN002	190	002ZT5C	150	803XA-0030	253	806TS-0125		
74	001RSDN003	81	002ZT6	149	803XA-0040	199	809QA-0010		
99	001RSWN001	81	002ZT6C	149	803XA-0050	277	821TR-0010		
109	001STYLO-BD	77	009CCT	149	803XA-0051	277	821TR-0020		
109	001STYLO-BS	77	009CGIU	150	803XA-0070	227	842EC-0020		



CAME 

CAME S.p.A.

Via Martiri della Libertà, 15
31030 Dosson di Casier
Treviso - ITALY

EUROPE**ITALY**

CAME S.p.A., Treviso
CAME Italia, Treviso
GO, Pordenone

BELGIUM

CAME Benelux, Lessines

CROATIA

CAME Adriatic, Kastav

FRANCE

CAME France, Paris
URBACO, Avignone

GERMANY

CAME Deutschland GmbH,
Stuttgart

IRELAND

CAME BPT Ireland, Dublin

NETHERLANDS

CAME Nederland, Breda

POLAND

CAME Poland, Warszawa

PORTUGAL

CAME Portugal, Lisbon

RUSSIA

CAME Rus, Moscow

SPAIN

CAME Spain, Madrid
PARKARE, Barcelona

UK

CAME United Kingdom,
Nottingham
CAME PARKARE UK, Bristol

ASIA**INDIA**

CAME India Automation
Solutions,
New Delhi

U.A.E.

CAME Gulf, Dubai

AMERICAS**BRAZIL**

CAME do Brasil Serviços de
Automação, São Paulo

CHILE

CAME PARKARE Chile, Santiago

MEXICO

CAME Automatismos de Mexico,
Mexico City
CAME PARKARE México,
México D.F.

PERÚ

CAME PARKARE Perú, Lima

USA

CAME Americas Automation,
Miami

AFRICA**SOUTH AFRICA**

CAME BPT South Africa,
Johannesburg



© KACENAL019 - 2019 - ENEX

YOU MAY NOT EVEN PARTIALLY REPRODUCE THIS DOCUMENT

CAME RESERVES THE RIGHT TO MAKE ANY CHANGES TO THIS DOCUMENT AT ANY TIME



CAME S.p.A.

is has the following Quality, Environmental and Safety
certifications:

UNI EN ISO 9001

UNI EN ISO 14001

BS OHSAS 18001