General Catalogue

CAME

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European Standards

EN 12453 - EN 12445

The EN12453 - EN12445 regulations establish safety and compliance requirements for automated doors and gates that, when in use, may come into contact with people.
They define the minimum technical solutions making automated systems safer for users.
The key points are the installed automated system location, the type of command device used and the type of user.

The INSTALLATION LOCATION may be:

- On private and bounded premises;
- On public premises bordering with public premises;
- On public premises.

The USER may be:

- Trained.
  Trained users are those that are given instructions on how to activate the automation.
  They usually activate automations located on private premises.
- Untrained.
  Untrained users are those that are not given instructions on how to activate the automation.
  They usually activate systems located on public premises.

The COMMAND may be:

- non self-holding type (maintained action / man present function).
  The automation is activated only thanks to automatic resetting buttons or switch selectors.
  An example of functioning: pressing a button you activate an automation. As soon as the button is released the automation stops working.
  The automation is visible from the user position.
- Impulses sent by a fixed station device.
  The impulses type command is activated by a fixed station, from which the system can be monitored. The button or switch selector do not need to be self holding type, which means they do not automatically reset.
- a radio command impulse.
  The automation is controlled by remote or fixed devices radio impulses.
  Each impulse sent has a corresponding function (i.e. open, close, stop etc.).
- an automatic impulse.
  Each impulse sent does not correspond only to a single function but to a complete working cycle (i.e. open and close cycle).

The solutions

The contexts set out by the legislation

The command		Non self-holding	Impulses sending by a fixed station device	Radio command impulses	Automatic impulse
The installation and the user	Private premises Trained user	A	C	C	C + D
	Private premises Untrained user	C	C	C + D	C + D
	Public premises Trained user	B	C	C + D	C + D
	Public premises Untrained user	-	C + D	C + D	C + D

Safety devices required

A **"Man present"** with automatic resetting of the command device

B **"Man present"** with manual resetting of the command device

C **Mechanical devices** (safety sensitive edges) **and electronic devices** (encoder)

Compliance with maximum impact force standards must be verified.
Such standards are set out in the Technical Reference Standards.

D **Infrared beam photocells**

which allow obstacle detection in the range of operation of the automation.

Legend

24 V DC motors
are specifically designed for intensive use and are guaranteed to work even during a power cut.

230 – 400 V AC 3-PHASE motors are intended for industrial use as
they guarantee greater surge rates of the gearmotors in the starting phase.

Automation tested in compliance with maximum impact force standards established by European Norms.

Gearmotor or automation with encoder.

New for 2011

PRATICO SYSTEM remote control radio release system.

BATTERY-POWERED, CORDLESS product with wireless connection.

Automation for:
SWING GATES

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CAME

Your selection guide

Swing gate operators

The table below summarises both the series and models, along with the maximum weight limits based on the width of the gate-leaf.

Series	Model	Max gate-leaf width (m/ft)
Frog	FROG-AV	1.3m / 4.2ft
Flex	F500	1.6m / 5.2ft
	F510	
Myto	MYTO-ME	1.8m / 6ft
Stylo	STYLO-ME	
Amico	A1824	
Frog-J	FROG-J	
Amico	A18230	2.2m / 7.2ft
Fast	F7000	2.3m / 7.5ft
	F7001	
	F7001E	
	F7024N	
	F7024E	
Ati	A3000 - A3000A	3m / 10ft
	A3100 - A3100A	
	A3006	
	A3106	
	A3024N	
Axo	AX302304	
	AX312304	
	AX3024	
Krono	KR300D - KR302D	
	KR300S - KR302S	
	KR310D	
	KR310S	
Frog	FROG-A	3.5m / 11.5ft
	FROG-AE	
	FROG-A24	
	FROG-A24E	
Axo	AX402306	4m / 13ft
	AX412306	
Ferni	F1000	
	F1100	
	F1024	
	FE40230	
	FE4024	
Axo	AX5024	5m / 16ft
Ati	A5000 - A5000A	
	A5100 - A5100A	
	A5006	
	A5106	
	A5024N	
Krono	KR510D	
	KR510S	
Frog Plus	FROG-PM4	5.5m / 18ft
Axo	AX71230	7m / 23 ft
Frog Plus	FROG-PM6	7m / 23 ft
Super Frog	FROG-MD	8m / 26 ft
	FROG-MS	

24 V DC motors are specifically designed for intensive use and are guaranteed to work even during power cuts.

The 230 – 400 V AC 3-PHASE versions are intended for industrial use as they guarantee greater surge rates of the gearmotors in the starting phase.

● 230 – 400 V AC 3-PHASE - ● 230 V AC - ● 24 V DC INTENSIVE USE

Swing gates

Underground OPERATOR

So low-profile you'll hardly know it's there. It provides more passage width room when space is an issue.
Series: Frog - Frog-J - Myto - Frog Plus - Super Frog

External OPERATOR

Simple installation requiring no prep work. The most popular product when it comes to swing-gate operators.
Series: Ati - Axo - Krono - Myto - Amico

Operator with ARTICULATED ARM

When little room is available, instead of a traditional above-ground operator, one with an articulated arm solves the space issue.
Series: Flex - Stylo - Fast - Ferni

The flashing light: for added safety

CAME recommends the installation of the flashing light to indicate the presence of moving mechanical parts.

Also, KIARON and KIARO24IN provide easy programming of reminders for periodic maintenance thanks to their "movement counter" function. With this, installers can decide on a number of cycles, and once the limit is reached, an additional light signal warns that scheduled maintenance is due.

European Norms

An example of a European Regulation-compliant standard installation

Installation:
ON PUBLIC PREMISES
The system is installed in a public area or bordering with a public area.
Example: a private gateway that opens directly onto a main road.

User Type:
TRAINED
The system is activated only by users trained to use the automation.

Standard command type:
RADIO COMMAND
It allows the system control either by remote or fixed device impulses.

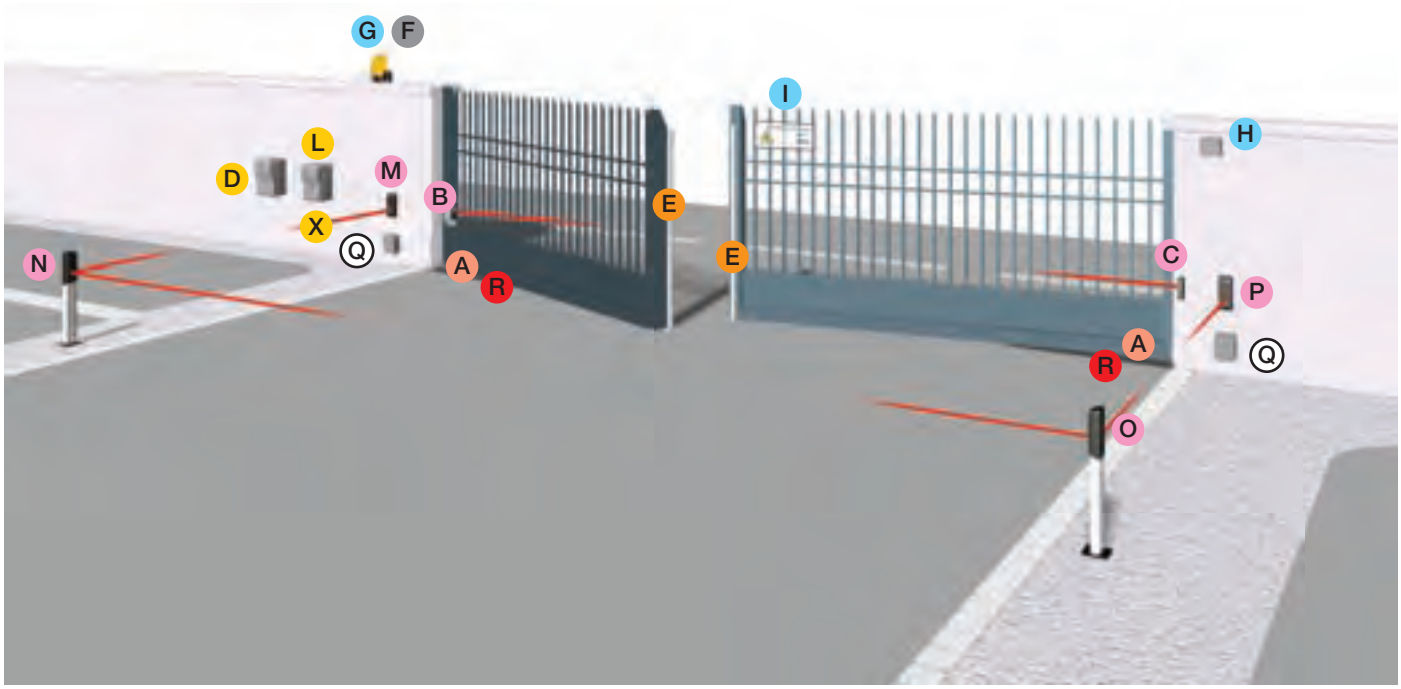
Solutions for a safe installation:
SAFETY SENSITIVE EDGES AND INFRARED-BEAM PHOTOCELLS
Thanks to the special onboard mechanism, the sensitive safety edges are completely collapsible and have no rigid parts – to guarantee top level protection.

EN TESTED: CAME's added value

When you use EN-TESTED operators and control panels you do not need to install any sensitive safety edges. However, the impact forces still need to be measured for compliance against the parameters established in the regulations.

This product is tested for compliance with maximum impact force standards established by EN 12445 and EN 12453 Technical Regulations.

SWING gate



The products

- A Swing-gates operator
- B TX photocells
- C RX photocells
- D Control and battery charging card
- E Safety sensitive edges
- F Flashing light
- G Antenna
- H Command switch (key – code – card or transponder keyfob).
- I Gate plate
- L Control panel
- M TX cordless photocells
- N TX/RX cordless photocells or TX photocells
- O RX/TX cordless photocells or RX photocells
- P RX cordless photocells
- Q Junction box
- R Transmission levers
- X Radio receiver

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 - 400 V AC 3-PHASE power supply	4G x 1.5 mm²	4G x 1.5 mm²	4G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 - 400 V AC 3-PHASE motor power supply	4G x 1.5 mm²	4G x 1.5 mm²	4G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
12 V DC electric lock	2 x 1 mm²	2 x 1 mm²	2 x 1.5 mm²
24 V DC electric lock	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length

Complete kits

CAME

FrogAE-P kit

Price £ 1300.00
(Excl. VAT)

Complete kit for a pair of swing gates of up to 3.5 m / 11'5" each leaf, 230V A.C. motors.

2m	2.5m*	3.5m*
800kg	600kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**FROG-AE** 230v Motor	2
001**FROG-CF** Foundation Case	2
001**A4364** Release Mechanism	2
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

FrogAE-S kit

Price £ 870.00
(Excl. VAT)

Complete kit for a single swing gate of up to 3.5 m / 11'5" leaf, 230V A.C. motor.

2m	2.5m*	3.5m*
800kg	600kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**FROG-AE** 230v Motor	1
001**FROG-CF** Foundation Case	1
001**A4364** Release Mechanism	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

Frog-P kit

Price £ 1200.00
(Excl. VAT)

Complete kit for a pair of swing gates of up to 3.5 m / 11'5" each leaf, 230V A.C. motors.

2m	2.5m*	3.5m*
800kg	600kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**FROG-A** 230v Motor	2
001**FROG-CF** Foundation Case	2
001**A4364** Release Mechanism	2
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZA3N** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

Frog-S kit

Price £ 765.00
(Excl. VAT)

Complete kit for a single swing gate of up to 3.5 m / 11'5" leaf, 230V A.C. motor.

2m	2.5m*	3.5m*
800kg	600kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**FROG-A** 230v Motor	1
001**FROG-CF** Foundation Case	1
001**A4364** Release Mechanism	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZA3N** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

 FROG technical specification & operational limits for all kits on these pages can be found on pages 22 (FROG) or 26 (FROG-J)

Complete kits

CAME

FrogAE-P24 kit

Complete kit for a pair of swing gates of up to 3.5 m / 11'5" each leaf, 24V D.C. motors.

Price £ 1476.00
(Excl. VAT)

2m	2.5m*	3.5m*
800kg	600kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**FROG-AE24** 24v Motor	2
001**FROG-CF** Foundation Case	2
001**A4364** Release Mechanism	2
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZL19N** Control Panel 24v	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

Emergency battery backup available as an optional extra, see page 22 for details

FrogAE-S24 kit

Complete kit for a single swing gate of up to 3.5 m / 11'5" each leaf, 24V D.C. motor.

Price £ 968.00
(Excl. VAT)

2m	2.5m*	3.5m*
800kg	600kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**FROG-AE24** 24v Motor	1
001**FROG-CF** Foundation Case	1
001**A4364** Release Mechanism	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZL170N** Control Panel 24v	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

Emergency battery backup available as an optional extra, see page 22 for details

FrogJ-P kit

Complete kit for a pair of swing gates of up to 1.8 m / 6 ft each leaf, 24V D.C. motors.

Price £ 1200.00
(Excl. VAT)

1m	1.5m	1.8m
250kg	215kg	200kg

	Qty
001**FROGJ** 24v Motor & Link Arm	2
001**FROGJC** Foundation Case	2
001**A4617** Release Assembly	2
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZL90** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

Emergency battery backup available as an optional extra, see page 26 for details

FrogJ-S kit

Complete kit for a single swing gate of up to 1.8 m / 6 ft each leaf, 24V D.C. motor.

Price £ 805.00
(Excl. VAT)

1m	1.5m	1.8m
250kg	215kg	200kg

	Qty
001**FROGJ** 24v Motor & Link Arm	1
001**FROGJC** Foundation Case	1
001**A4617** Release Assembly	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZL90** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

Emergency battery backup available as an optional extra, see page 26 for details

Certain items listed in the kits on these pages, namely control board, remote controls or safety photocells, may be substituted without prior notice for a comparative alternative if the advertised item code is temporarily out of stock.

Complete kits

CAME

FrogPlus-P5 kit

Price £ 6910.00
(Excl. VAT)

Complete kit for a pair of swing gates of up to 5.5 m / 18 ft each leaf, 230V A.C. motors.

	3.5m	4.5m	5.5m
kg	1100kg	900kg	700kg

	Qty
001**FROG-PM4** 230v Motor	2
001**FROG-PC** Foundation Case	2
001**A4364** Release Mechanism	2
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

FrogPlus-S5 kit

Price £ 3654.00
(Excl. VAT)

Complete kit for a single swing gate of up to 5.5 m / 18 ft leaf, 230V A.C. motor.

	3.5m	4.5m	5.5m
kg	1100kg	900kg	700kg

	Qty
001**FROG-PM4** 230v Motor	1
001**FROG-PC** Foundation Case	1
001**A4364** Release Mechanism	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

FrogPlus-P7 kit

Price £ 6910.00
(Excl. VAT)

Complete kit for a pair of swing gates of up to 7 m / 23 ft each leaf, 230V A.C. motors.

	4m	5m	7m
kg	1000kg	800kg	550kg

	Qty
001**FROG-PM4** 230v Motor	2
001**FROG-PC** Foundation Case	2
001**A4364** Release Mechanism	2
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

FrogPlus-S7 kit

Price £ 3654.00
(Excl. VAT)

Complete kit for a single swing gate of up to 7 m / 23 ft leaf, 230V A.C. motor.

	4m	5m	7m
kg	1000kg	800kg	550kg

	Qty
001**FROG-PM4** 230v Motor	1
001**FROG-PC** Foundation Case	1
001**A4364** Release Mechanism	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

FROG-PLUS technical specification & operational limits for all kits on these pages can be found on page 46.

Complete kits

CAME

Myto-P24 kit

Price £ 1254.00
(Excl. VAT)

Complete kit for a pair of swing gates of up to 1.8 m / 6 ft each leaf, 24V D.C. motors.

1.8m
200kg

	Qty
001**MYTO-ME** 24v Motor	2
001**MYTO-C** Foundation Case	2
001**MYTO-BD** Transmission arm	2
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZL92** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

Myto-S24 kit

Price £ 816.00
(Excl. VAT)

Complete kit for a single swing gate of up to 1.8 m / 6 ft leaf, 24V D.C. motors.

1.8m
200kg

	Qty
001**MYTO-ME** 24v Motor	1
001**MYTO-C** Foundation Case	1
001**MYTO-BD** Transmission arm	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZL92** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

MYTO technical specification & operational limits for all kits on these pages can be found on page 28

Certain items listed in the kits on these pages, namely control board, remote controls or safety photocells, may be substituted without prior notice for a comparative alternative if the advertised item code is temporarily out of stock.

Complete kits

CAME

FerniE-P24 kit

Complete kit for a pair of swing gates of up to 4.0 m / 13 ft each leaf, 24V D.C. motors.

Price £ 1400.00
(Excl. VAT)

2m	2.5m*	4m*
800kg	600kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**FE4024** 24v Motor	2
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZLJ24** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Emergency battery backup available as an optional extra, see page 30 for details

FerniE-S24 kit

Complete kit for a single swing gate of up to 4.0 m / 13 ft leaf, 24V D.C. motors.

Price £ 922.00
(Excl. VAT)

2m	2.5m*	4m*
800kg	600kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**FE4024** 24v Motor	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZLJ24** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Emergency battery backup available as an optional extra, see page 30 for details

FerniE-P kit

Complete kit for a pair of swing gates of up to 4.0 m / 13 ft each leaf, 230V A.C. motors.

Price £ 1280.00
(Excl. VAT)

2m	2.5m*	4m*
800kg	600kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**FE40230** 230v Motor	2
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

FerniE-S kit

Complete kit for a single swing gate of up to 4.0 m / 13 ft leaf, 230V A.C. motors.

Price £ 839.00
(Excl. VAT)

2m	2.5m*	4m*
800kg	600kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**FE40230** 230v Motor	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

FERNI technical specification & operational limits for all kits on these pages can be found on page 30

Complete kits

CAME

Fast-P24 kit

Complete kit for a pair of swing gates of up to 2.3 m / 7'6" each leaf, 24V D.C. motors.

Price £ 1129.00
(Excl. VAT)

	1m	2m*	2.3m*
	300kg	215kg	200kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**F7024N** 24v Motor	2
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR10** Pair Safety Photocells	1
001**KIARO24N** Flashing Light	1

	Qty
002**ZL180** Control Panel with decoder	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Emergency battery backup available as an optional extra, see page 38 for details

Fast-S24 kit

Complete kit for a single swing gate of up to 2.3 m / 7'6" leaf, 24V D.C. motor.

Price £ 757.00
(Excl. VAT)

	1m	2m*	2.3m*
	300kg	215kg	200kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**F7024N** 24v Motor	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR10** Pair Safety Photocells	1
001**KIARO24N** Flashing Light	1

	Qty
002**ZL180** Control Panel with decoder	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Emergency battery backup available as an optional extra, see page 38 for details

Fast-P kit

Complete kit for a pair of swing gates of up to 2.3 m / 7'6" per leaf, 230V A.C. motors.

Price £ 875.00
(Excl. VAT)

	1m	2m*	2.3m*
	300kg	215kg	200kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**F7000** 230v Motor with control panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR10** Pair Safety Photocells	1
001**KIARON** Flashing Light	1

	Qty
001**F7001** 230v Motor	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Fast-S kit

Complete kit for a single swing gate of up to 2.3 m / 7'6" leaf, 230V A.C. motor.

Price £ 643.00
(Excl. VAT)

	1m	2m*	2.3m*
	300kg	215kg	200kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**F7000** 230v Motor with control panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**KIARON** Flashing Light	1

FAST technical specification & operational limits for all kits on these pages can be found on page 38

Certain items listed in the kits on these pages, namely control board, remote controls or safety photocells, may be substituted without prior notice for a comparative alternative if the advertised item code is temporarily out of stock.

Complete kits

CAME

Krono-P3 kit

Complete kit for a pair of swing gates of up to 3.0 m / 9'10" each leaf, 230V A.C. motors.

Price £ 745.00
(Excl. VAT)

	2m	2.5m*	3m*
kg	800kg	600kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**KR300S** 230v Motor, left handed	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1
001**KIARON** Flashing Light	1

	Qty
001**KR300D** 230v Motor, right handed	1
002**ZA3N** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Krono-P5 kit

Complete kit for a pair of swing gates of up to 5.0 m / 16'4" each leaf, 230V A.C. motors.

Price £ 967.00
(Excl. VAT)

	2m	4m*	5m*
kg	1000kg	500kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**KR510S** 230v Motor, left handed	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1
001**TOP-A433N** Antenna	1

	Qty
001**KR510D** 230v Motor, right handed	1
002**ZA3N** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2

Krono-S5S kit

Complete kit for a single swing gate of up to 5.0 m / 16'4" leaf, 230V A.C. motor.

Left Handed System

Price £ 635.00
(Excl. VAT)

	2m	4m*	5m*
kg	1000kg	500kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**KR510S** 230v Motor, left handed	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZA3N** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Krono-S5D kit

Complete kit for a single swing gate of up to 5.0 m / 16'4" leaf, 230V A.C. motor.

Right Handed System

Price £ 635.00
(Excl. VAT)

	2m	4m*	5m*
kg	1000kg	500kg	400kg

* We recommend provision be made for an electric lock if the wing is wider than 2m

	Qty
001**KR510D** 230v Motor, right handed	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZA3N** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

KRONO technical specification & operational limits for all kits on these pages can be found on page 36

Complete kits

CAME

Amico-P24 kit

Complete kit for a pair of swing gates of up to 1.8 m / 6 ft each leaf, 24V D.C. motors.

Price £ 994.00
(Excl. VAT)

1m	1.5m	1.8m
250kg	215kg	200kg

	Qty
001**A1824** 24v Motors	2
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZL90** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Emergency battery backup available as an optional extra, see page 40 for details

Amico-S24 kit

Complete kit for a single swing gate of up to 1.8 m / 6 ft leaf, 24V D.C. motor.

Price £ 687.00
(Excl. VAT)

1m	1.5m	1.8m
250kg	215kg	200kg

	Qty
001**A1824** 24v Motor	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZL90** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Emergency battery backup available as an optional extra, see page 40 for details

Amico-P230 kit

Complete kit for a pair of swing gates of up to 1.8 m / 6 ft each leaf, 230V A.C. motors.

Price £ 895.00
(Excl. VAT)

1m	1.5m	1.8m
250kg	215kg	200kg

	Qty
001**A18230** 230v Motor	2
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZA3N** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Amico-S230 kit

Complete kit for a single swing gate of up to 1.8 m / 6 ft leaf, 230V A.C. motor.

Price £ 599.00
(Excl. VAT)

1m	1.5m	1.8m
250kg	215kg	200kg

	Qty
001**A18230** 230v Motor	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZA3N** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

AMICO technical specification & operational limits for all kits on these pages can be found on page 40

Certain items listed in the kits on these pages, namely control board, remote controls or safety photocells, may be substituted without prior notice for a comparative alternative if the advertised item code is temporarily out of stock.

Complete kits

CAME

Axo-P3 kit

Complete kit for a pair of swing gates up to 3.0 m / 9’ 10” per leaf, 230V A.C. motors.

Price £ 1100.00
(Excl. VAT)

2m	2.5m*	3m*
800kg	600kg	500kg

	Qty
001**AX302304** 230v Motor	2
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Axo-S3 kit

Complete kit for a single swing gate up to 3.0 m / 9’ 10” leaf, 230V A.C. motors.

Price £ 750.00
(Excl. VAT)

2m	2.5m*	3m*
800kg	600kg	500kg

	Qty
001**AX302304** 230v Motor	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Axo-P4 kit

Complete kit for a pair of swing gates up to 4.0 m / 13’ per leaf, 230V A.C. motors.

Price £ 1100.00
(Excl. VAT)

2m	3m*	4m*
800kg	500kg	300kg

	Qty
001**AX402306** 230v Motor	2
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Axo-S4 kit

Complete kit for a single swing gate up to 4.0 m / 13’ leaf, 230V A.C. motors.

Price £ 750.00
(Excl. VAT)

2m	3m*	4m*
800kg	500kg	300kg

	Qty
001**AX402306** 230v Motor	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

AXO technical specification & operational limits for all kits on these pages can be found on page 42

Complete kits

CAME

Axo-P7 kit

Complete kit for a pair of swing gates up to 7.0 m / 22’ 11” per leaf, 230V A.C. motors.

Price £ 1133.00
(Excl. VAT)

2m	5m*	7m*
1000kg	400kg	300kg

	Qty
001**AX71230** 230v Motor	2
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Axo-S7 kit

Complete kit for a single swing gate up to 7.0 m / 22’ 11” leaf, 230V A.C. motors.

Price £ 766.00
(Excl. VAT)

2m	5m*	7m*
1000kg	400kg	300kg

	Qty
001**AX71230** 230v Motor	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZM3E** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

AXO technical specification & operational limits for all kits on these pages can be found on page 42

Certain items listed in the kits on these pages, namely control board, remote controls or safety photocells, may be substituted without prior notice for a comparative alternative if the advertised item code is temporarily out of stock.

Complete kits

CAME

Axo-P324 kit

Complete kit for a pair of swing gates up to 3.0 m / 9' 10" per leaf, 24V D.C. motors.

Price £ 1137.00
(Excl. VAT)

2m	2.5m*	3m*
800kg	600kg	500kg

	Qty
001**AX3024** 24v Motor	2
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZLJ24** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Axo-S324 kit

Complete kit for a single swing gate up to 3.0 m / 9' 10" leaf, 24V D.C. motors.

Price £ 791.00
(Excl. VAT)

2m	2.5m*	3m*
800kg	600kg	500kg

	Qty
001**AX3024** 24v Motor	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZLJ24** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Axo-P524 kit

Complete kit for a pair of swing gates up to 5.0 m / 16'4" per leaf, 24V D.C. motors.

Price £ 1179.00
(Excl. VAT)

2m	3m*	5m*
1000kg	700kg	400kg

	Qty
001**AX5024** 24v Motor	2
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZLJ24** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

Axo-S524 kit

Complete kit for a single swing gate up to 5.0 m / 16'4" leaf, 24V D.C. motors.

Price £ 811.00
(Excl. VAT)

2m	3m*	5m*
1000kg	700kg	400kg

	Qty
001**AX5024** 24v Motor	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZLJ24** Control Panel	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

AXO technical specification & operational limits for all kits on these pages can be found on page 42

Complete kits

CAME

StyloA-P24 kit

Complete kit for a pair of swing gates of up to 1.8 m / 6ft each leaf, 24V D.C. motors.

Price £ 1058.00 (Excl. VAT)

0.8m	1.2m	1.8m
150kg	125kg	100kg

	Qty
001**STYLO-ME** 24v Motor	2
001**STYLO-BS** Articulated Arm	2
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZL192** Control Panel 24v	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

Emergency battery backup available as an optional extra, see page 44 for details

StyloA-S24 kit

Complete kit for a single swing gate of up to 1.8 m / 6ft each leaf, 24V D.C. motors.

Price £ 718.00 (Excl. VAT)

0.8m	1.2m	1.8m
150kg	125kg	100kg

	Qty
001**STYLO-ME** 24v Motor	1
001**STYLO-BS** Articulated Arm	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZL192** Control Panel 24v	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

Emergency battery backup available as an optional extra, see page 44 for details

StyloS-P24 kit

Complete kit for a pair of swing gates of up to 1.8 m / 6ft each leaf, 24V D.C. motors.

Price £ 1188.00 (Excl. VAT)

0.8m	1.2m	1.8m
150kg	125kg	100kg

	Qty
001**STYLO-ME** 24v Motor	2
001**STYLO-BD** Transmission Arm	2
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZL192** Control Panel 24v	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

Emergency battery backup available as an optional extra, see page 44 for details

StyloS-S24 kit

Complete kit for a single swing gate of up to 1.8 m / 6ft each leaf, 24V D.C. motors.

Price £ 784.00 (Excl. VAT)

0.8m	1.2m	1.8m
150kg	125kg	100kg

	Qty
001**STYLO-ME** 24v Motor	1
001**STYLO-BD** Transmission Arm	1
001**DIR-10** Pair Safety Photocells	1

	Qty
002**ZL192** Control Panel 24v	1
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1
001**AF43S** Frequency card. (433,92MHz)	1

Emergency battery backup available as an optional extra, see page 44 for details

STYLO technical specification & operational limits for all kits on these pages can be found on page 44

Certain items listed in the kits on these pages, namely control board, remote controls or safety photocells, may be substituted without prior notice for a comparative alternative if the advertised item code is temporarily out of stock.

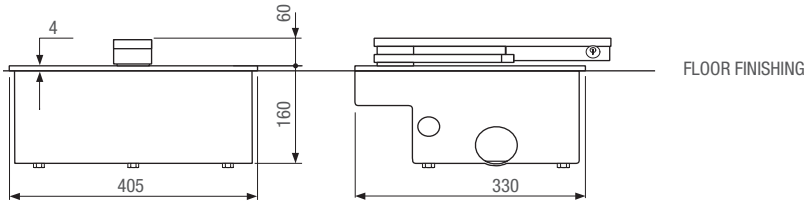
Frog

Gate-leaves of up to 3.5 m / 11.5 ft

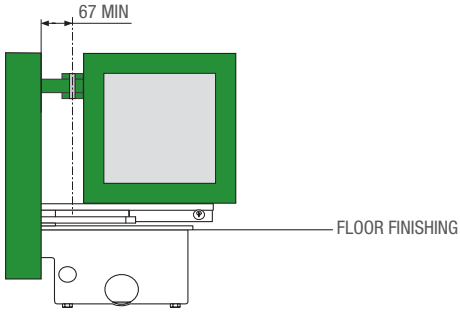
The hide-away solution to apply to gates in residential and apartment block settings

- The underground solution for gate automation.
- High-grade of protection from environmental agents (IP67).
- The system automatically locks back after gate is manually released.
- Can open as wide as 180° (with 001FL-180).
- 001FROG-AE and 001FROG-A24E featuring encoder-based technology, tested according to current legislative standards.
- The 24 V version can function in emergency mode during power cuts.
- Special corrosion resistant all-steel foundation box.
- Built-in adjustable mechanical stops.

Dimensions (mm)



Application (mm)



NOTE:
* We suggest the use of an electric lock on the gate-leaf.
Max gate-leaf opening (110°).

Limits to use

MODEL	FROG-AV			
Max gate-leaf width (m/ft)				1.3 / 4.2
Max gate-leaf weight (Kg)				300
MODEL	FROG-A - FROG-AE			
Max gate-leaf width (m/ft)	*3.5 / 11.5	*2.5 / 8.2	2 / 6.6	-
Max gate-leaf weight (Kg)	400	600	800	-
MODEL	FROG-A24 - FROG-A24E			
Max gate-leaf width (m/ft)	*3.5 / 11.5	*2.5 / 8.2	2 / 6.6	-
Max gate-leaf weight (Kg)	400	600	800	-

● 230 V AC ● 24 V DC

Technical features

Type	FROG-A	FROG-AV	FROG-AE	FROG-A24 - FROG-A24E
Protection rating IP	IP67	IP67	IP67	IP67
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	24 DC
Current draw (A)	1.9	2.5	1.9	15 MAX
Power (W)	200	300	200	180
90° opening time (s)	18	9	18	ADJUSTABLE
Duty cycle (%)	30	30	30	INTENSIVE USE
Thrust (N)	320	240	320	320
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	150/302	150/302	150/302	-

● 230 V AC ● 24 V DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)	
	230 V AC underground operators		
001**FROG-A**	Self-locking operator for gate-leaves of up to 3.5 m / 11.5 ft.	£306.00	
001**FROG-AV**	Self-locking operator for gate-leaves of up to 1.3 m / 4.2 ft.	£389.00	
	Control panels for 230 V AC operators		
002**ZA3N**	Multifunction control panel for two-leaf swing gates with built-in radio decoder.	£153.00	
	230 V AC underground operator and control panel - tested in compliance with EN 12453 - EN 12445		
001**FROG-AE**	Self-locking operator with encoder for gate-leaves of up to 3.5 m / 11.5 ft.	£310.00	
002**ZM3E**	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£249.00	
	24 V DC underground operator and control panels - tested in compliance with EN 12453 - EN 12445		
001**FROG-A24**	Self-locking operator for gate-leaves of up to 3.5 m / 11.5 ft.	£376.00	
002**ZL170N**	Control panel for one-leaf swing gates with built-in radio decoder.	£167.00	
002**ZL19N**	Control panel for two-leaf swing gates with built-in radio decoder.	£286.00	
	24 V DC underground operator and control panels - tested in compliance with EN 12453 - EN 12445		
001**FROG-A24E**	Self-locking operator with encoder for gate-leaves of up to 3.5 m / 11.5 ft.	£365.00	
002**ZLJ14**	Multifunction control panel for one-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£277.00	 NEW
002**ZLJ24**	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£295.00	

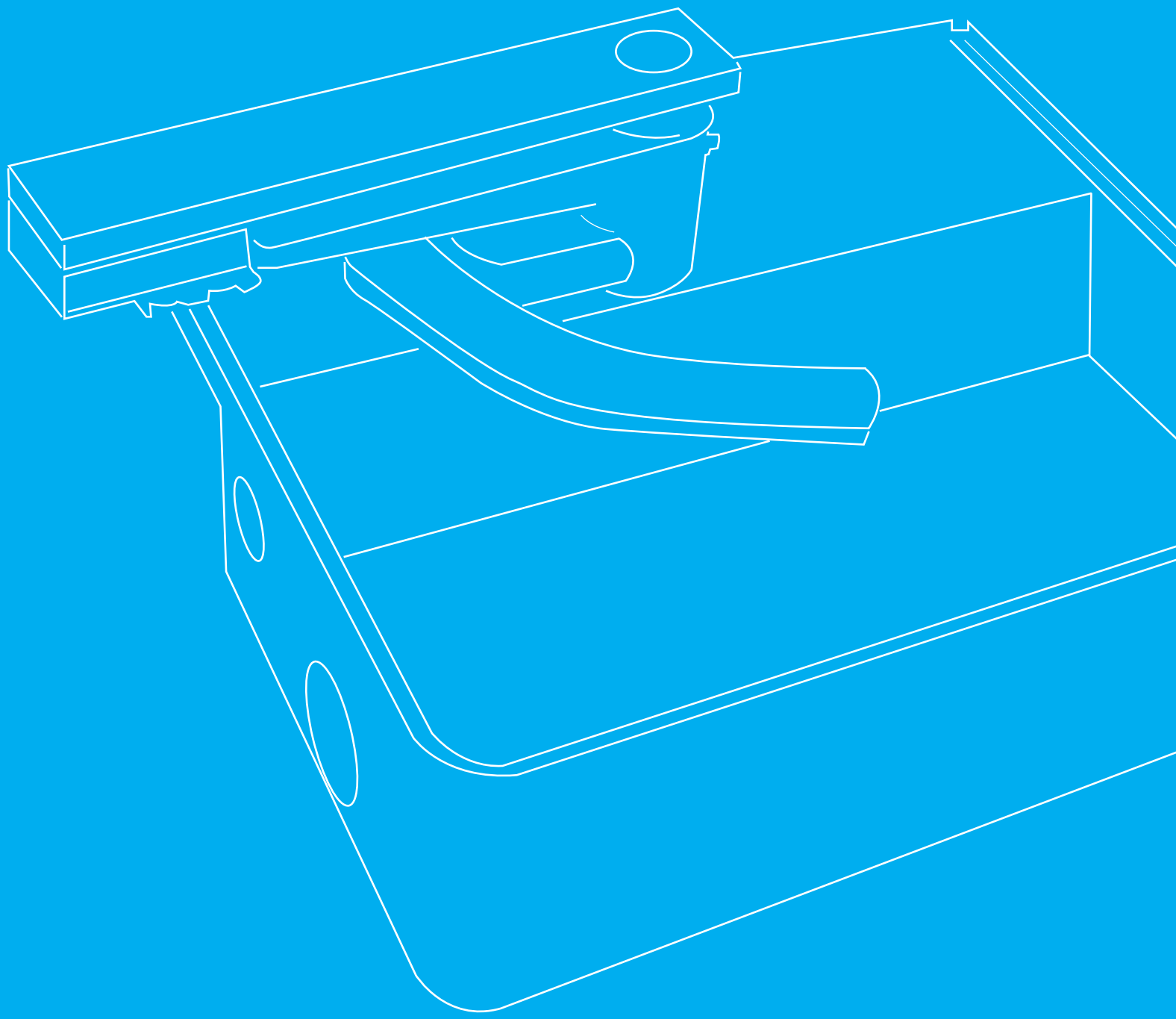
Prices for complete FROG Kits (with control panels, activation and safety accessories included) can be found on pages 10 - 11.

The complete range

Code	Description	Price £ (Excl. VAT)	
	Accessories for: 002ZL170N and 002ZL19N		
002**LB18**	Casing with emergency card, fitted to house three 12 V - 7 Ah batteries.	£**146.00**	
	Accessories for: 002ZLJ14		
002**LB90**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£**53.00**	
	Accessories for: 002ZLJ24		
002**LB180**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£**67.00**	
	Accessories for: 001FROG-A - 001FROG-AV - 001FROG-AE - 001FROG-A24E		
001**FL-180**	Chain driven transmission lever for opening arcs of up to 180° for gate-leaves no wider than 2 m / 6.56 ft.	£**117.00**	
	Accessories		
001**FROG-CF**	Steel foundation casing with corrosion-resistant cataphoresis surface treatment, complete with transmission lever with adjustable leaf-opening stop.	£**138.00**	
001**FROG-BI**	AISI 304 steel foundation casing, complete with transmission lever with adjustable leaf-opening stop.	£**275.00**	
001**A4364**	Lever key release.	£**27.00**	
001**A4365**	Triangular key release.	£**41.00**	
001**A4366**	Customised key release and EURO-DIN cylinder.	£**53.00**	
001**A4370**	Transmission lever for opening arcs of up to 140° for gate-leaves no wider than 2 m / 6.56 ft.	£**59.00**	
001**A4472**	Transmission lever with adjustable gate-leaf opening stop.	£**79.00**	
001**LOCK81**	Electric lock with single cylinder.	£**94.00**	
001**LOCK82**	Electric lock with double cylinder.	£**100.00**	
BAT3PK	Set of 3 x 12V - 1.2 Ah batteries.	£**70.00**	
M6	Grease gun adaptor for Frog shoe (enables application of grease during maintenance).	£**1.00**	

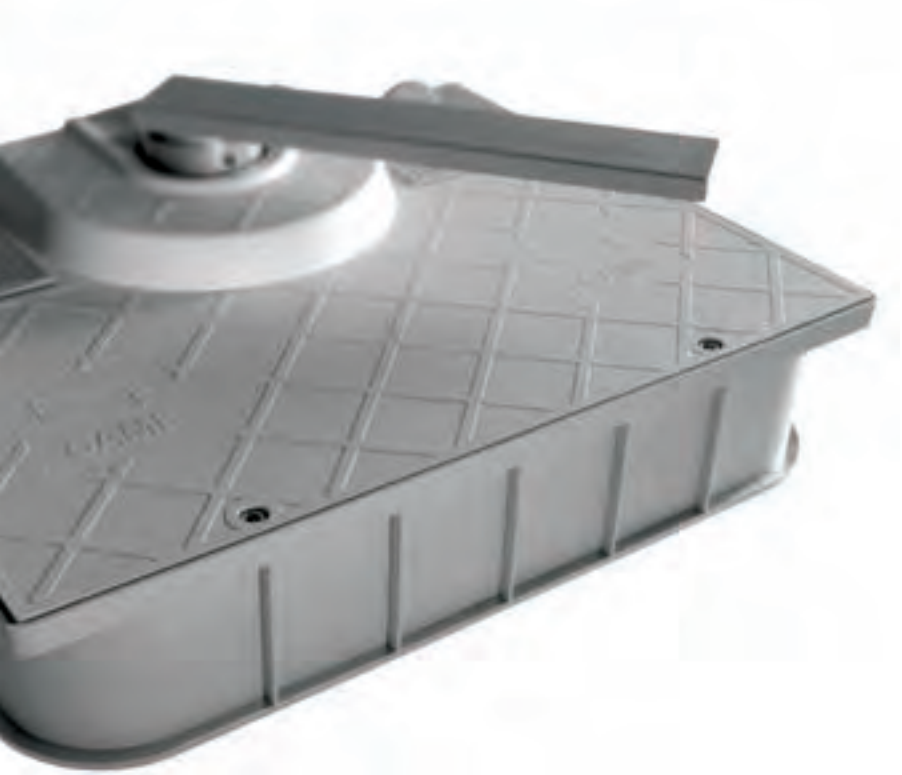
Prices for complete FROG Kits (with control panels, activation and safety accessories included) can be found on pages 10 - 11.

CAME



Frog-J

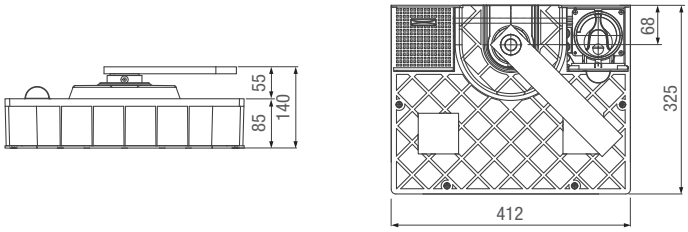
Gate-leaves of up to 1.8 m / 6 ft



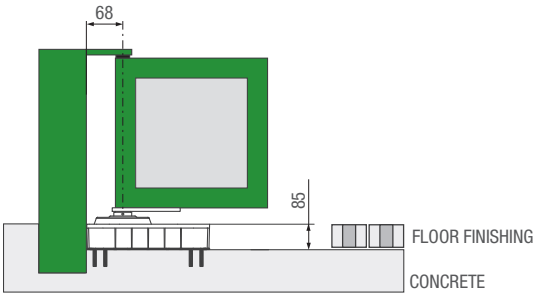
Hide-away solution to apply to residential gates

- Tested according to applicable rules and regulations.
- Release system protected by watertight trap-door that opens with customised key from the inside and outside.
- Encoder-based movement control.
- Can function in emergency mode during power cuts.
- Self-diagnosing safety devices.
- Simplified connection with only one three-core cable.

Dimensions (mm)



Application (mm)



Limits to use

MODEL	FROG-J
Max gate-leaf width (m/ft)	1.8 / 6
Max gate-leaf weight (Kg)	200
Max gate-leaf opening (°)	105

● 24 V DC

Technical features

Type	FROG-J
Protection rating IP	IP67
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 DC
Current draw (A)	10 MAX
Power (W)	240
90° opening time (s)	ADJUSTABLE
Duty cycle (%)	INTENSIVE USE
Torque (Nm)	260
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-

● 24 V DC

The complete range

Code	Description	Price £ (Excl. VAT)
	24 V DC underground operator and control panels - tested in compliance with EN 12453 - EN 12445	
001**FROG-J**	Operator with encoder for gate-leaves of up to 1.8 m / 6 ft.	£294.00
002**ZLJ14**	Multifunction control panel for one-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£277.00 NEW
002**ZL92**	Control panel for two-leaf swing gates with function display, self-diagnosis of safety devices and built-in radio decoder.	£229.00 NEW
002**ZLJ24**	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£295.00
	Accessories for: 002ZL92 and 002ZLJ14	
002**LB90**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£53.00
	Accessories for: 002ZLJ24	
002**LB180**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£67.00
	Accessories	
001**FROG-JC**	Foundation casing.	£116.00
001**A4617**	Release group with customised key.	£52.00
BAT2PK	Set of two 12V - 1.2 Ah batteries.	£50.00

Prices for complete FROG-J Kits (with control panels, activation and safety accessories included) can be found on page 11.

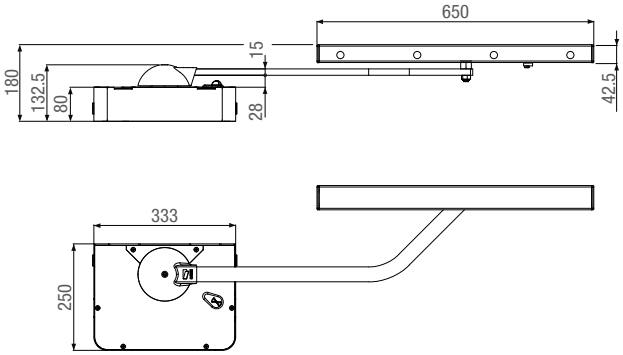
Myto

Gate-leaves of up to 1.8 m / 6 ft

Hide-away or surface-mounted solution for residential gates

- Tested according to applicable rules and regulations.
- Release system with lever key protected by sliding trap door.
- Encoder-based movement control.
- Can function in emergency mode during power cuts.
- Self-diagnosing safety devices.
- Simplified connection with only one three-core cable.
- Installs below as well as at ground-level.

Dimensions (mm)

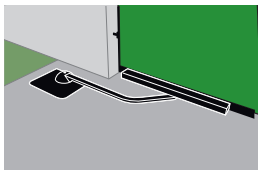


Limits to use

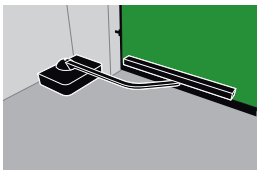
MODEL	MYTO-ME
Max gate-leaf width (m/ft)	1.8 / 6
Max gate-leaf weight (Kg)	200
Max gate-leaf opening (°)	125

● 24 V DC

Application



Below-ground motor in standard position



Above-ground motor positioned to the side (when space is an issue)

Above-ground motor in standard position

Below-ground motor positioned to the side (when space is an issue)

Technical features

Type	MYTO-ME
Protection rating IP	IP67
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 DC
Current draw (A)	10 MAX
Power (W)	240
90° opening time (s)	ADJUSTABLE
Duty cycle (%)	INTENSIVE USE
Torque (Nm)	260
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-

● 24 V DC

The complete range

Code	Description	Price £ (Excl. VAT)
	24 V DC operator and control panels - tested in compliance with EN 12453 - EN 12445	
001**MYTO-ME** EN TESTED 24 E	Operator with encoder for gate-leaves of up to 1.8 m / 6 ft.	**£283.00** NEW
002**ZLJ14** EN TESTED 24	Multifunction control panel for one-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	**£277.00** NEW
002**ZL92** EN TESTED 24	Control panel for two-leaf swing gates with function display, self-diagnosis of safety devices and built-in radio decoder.	**£229.00** NEW
002**ZLJ24** EN TESTED 24	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	**£295.00**
	Accessories for: 002ZL92 and 002ZLJ14	
002**LB90** 24	Card for connecting two 12 V – 1.2 Ah emergency batteries.	**£53.00**
	Accessories for: 002ZLJ24	
002**LB180** 24	Card for connecting two 12 V – 1.2 Ah emergency batteries.	**£67.00**
	Accessories	
001**MYTO-C**	Foundation casing for external fixing or for underground installation.	**£76.00** NEW
001**MYTO-BD**	Transmission arm and slide guide.	**£83.00** NEW

Prices for complete MYTO Kits (with control panels, activation and safety accessories included) can be found on page 12.

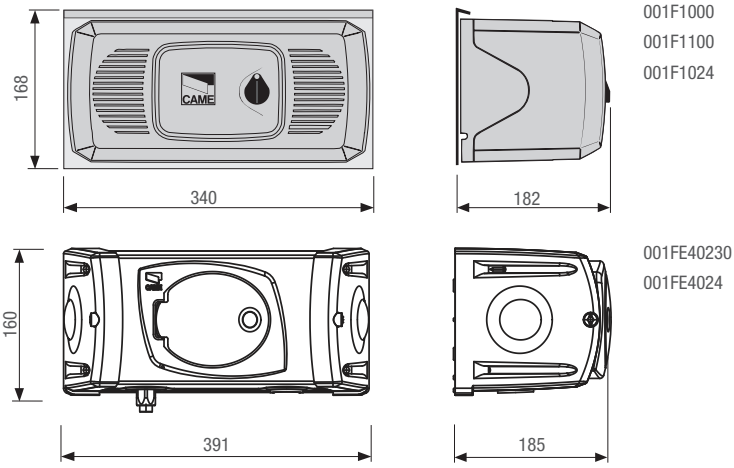
Ferni

Gate-leaves of up to 4 m / 13 ft

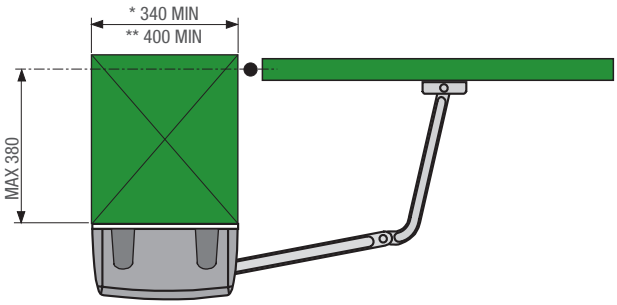
Ideal solution for residential or apartment-block applications on large posts

- An EN tested product both in the 24 V DC and the 230 V AC version thanks to the encoder-based electronics management (001F1024 - 001FE4024 - 001FE40230).
- The tough automation for very large gate posts.
- Innovative design for a prestigious product, born out of careful attention to market needs.
- Supplied with an articulated-arm, but also available with straight arm, to solve any space issues during application.
- Extremely practical to install and connect thanks to its versatile, easy-to-reach endstop assembly.
- Features a practical key-protected trap-door for easy release.
- High standards of protection from environmental agents.

Dimensions (mm)



Application (mm)



* F1000 - F1100 - F1024
** FE40230 - FE4024

Limits to use

MODEL	F1000 - F1100 - FE40230 - F1024 - FE4024				
Max gate-leaf width (m/ft)	4* / 13*	3,5* / 11.48*	3* / 10*	2,5* / 8.2*	2 / 6.6
Max gate-leaf weight (Kg)	400	450	500	600	800

● 230 V AC ● 24 V DC

NOTE:
*** It is mandatory the use of an electric lock on the gate-leaf, with width greater than 2,5 m / 8.2 ft.**

Technical features

Type	F1000	F1100	FE40230	F1024	FE4024
Protection rating IP	IP54	IP54	IP44	IP54	IP54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	24 DC	24 DC
Current draw (A)	1.3	1	1.2	15 MAX	5
Power (W)	150	110	140	180	130
90° opening time (s)	18	18	34	ADJUSTABLE	ADJUSTABLE
Duty cycle (%)	30	50	30	INTENSIVE USE	INTENSIVE USE
Torque (Nm)	320	380	540	470	360
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	150/302	150/302	150/302	-	-

● 230 V AC ● 24 V DC

The complete range

Code	Description	Price £ (Excl. VAT)
	230 V AC external operator and control panel - tested in compliance with EN 12453 - EN 12445	
001**FE40230**	Self-locking operator complete with articulated transmission arm for gate-leaves of up to 4 m / 13 ft.	£**445.00**
002**ZM3E**	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£**249.00**
	230 V AC external operators	
001**F1000**	Self-locking operator complete with articulated transmission arm for gate-leaves of up to 4 m / 13 ft.	£**409.00**
001**F1100**	Reversible operator complete with articulated transmission arm for gate-leaves of up to 4 m / 13 ft.	£**494.00**
	Control panels for 230 V AC operators	
002**ZA3N**	Multifunction control panel for two-leaf swing gates with built-in radio decoder.	£**153.00**

Prices for complete FERNI Kits (with control panels, activation and safety accessories included) can be found on page 13.

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	24 V DC external operator and control panels - tested in compliance with EN 12453 - EN 12445	
001**FE4024**	Self-locking operator complete with articulated transmission arm for gate-leaves of up to 4 m / 13 ft.	£483.00
002**ZLJ14**	Multifunction control panel for one-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£277.00
002**ZLJ24**	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£295.00
	Accessories for: 002ZLJ14	
002**LB90**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£53.00
	Accessories for: 002ZLJ24	
002**LB180**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£67.00
	24 V DC external operator and control panels - tested in compliance with EN 12453 - EN 12445	
001**F1024**	Self-locking operator complete with articulated transmission arm for gate-leaves of up to 4 m / 13 ft.	£473.00
002**ZL170N**	Control panel for one-leaf swing gates with built-in radio decoder.	£167.00
002**ZL19N**	Control panel for two-leaf swing gates with built-in radio decoder.	£286.00
	Accessories for: 002ZL170N and 002ZL19N	
002**LB18**	Casing with emergency card, fitted to house three 12 V - 7 Ah batteries.	£146.00
	Accessories for: 001FE40230 - 001FE4024	
001**FERNI-BDX**	Right-hand straight telescopic transmission arm for gate-leaves of up to 2 m / 6.56 ft.	£89.00
001**FERNI-BSX**	Left-hand straight telescopic transmission arm for gate-leaves of up to 2 m / 6.56 ft.	£89.00
	Accessories for: 001F1000 - 001F1100 - 001F1024	
001**F1001**	Straight telescopic transmission arm for gate-leaves of up to 2 m / 6.56 ft.	£58.00
	Accessories	
001**LOCK81**	Electric lock with single cylinder.	£94.00
001**LOCK82**	Electric lock with double cylinder.	£100.00
001**H3000**	Safety casing complete with release handle and command button for pull-cord release L = 5 m / 16 ft.	£93.00
BAT3PK	Set of three 12V - 1.2 Ah batteries.	£70.00









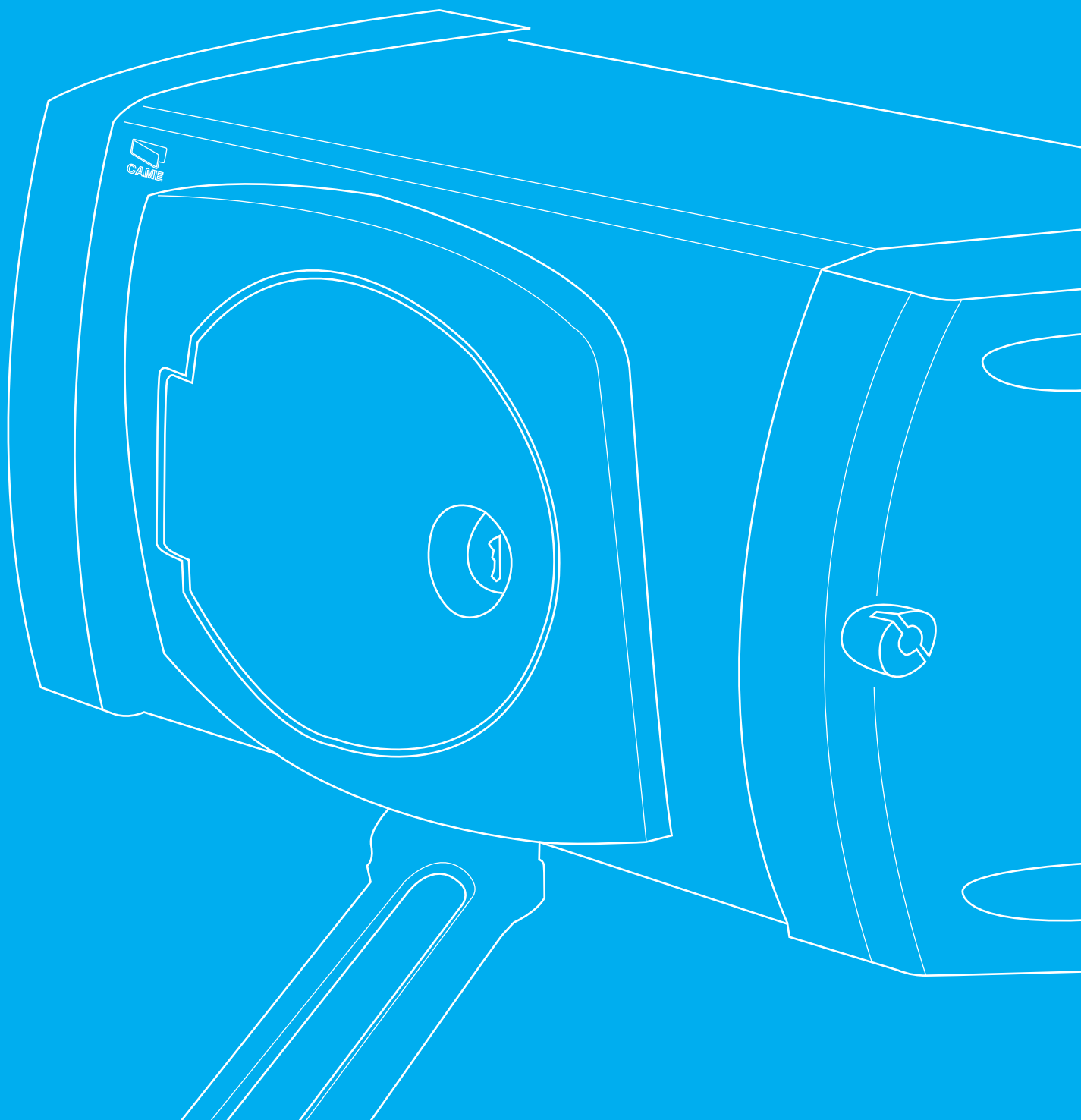







Prices for complete FERNI Kits (with control panels, activation and safety accessories included) can be found on page 13.

CAME



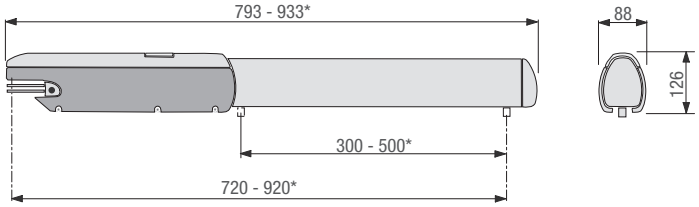
Ati

Gate-leaves of up to 5 m / 16 ft

The ideal solution to apply to gates in residential and apartment block settings

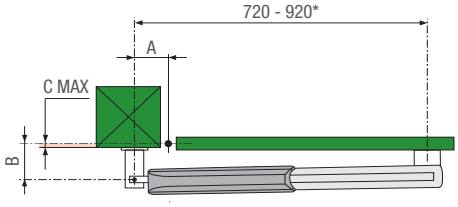
- The 24 V version can function in emergency mode during power cuts.
- Available both in the reversible and self-locking versions.
- Amperometric obstacle detection.
- Worm screw is always protected thanks to its dedicated cover.
- The 24 V version comes with a simplified connection system featuring a single, three-core cable that handles both motor and encoder.

Dimensions (mm)



* A5000 - A5000A - A5100 - A5100A - A5106 - A5006 - A5024N

Application (mm)



Limits to use

MODEL	A3000 - A3000A - A3100 - A3100A - A3106 - A3006 - A3024N				
Max gate-leaf width (m/ft)			3 / 10	2.5 / 8.2	2 / 6.6
Max gate-leaf weight (Kg)			400	600	800
MODEL	A5000 - A5000A - A5100 - A5100A - A5106 - A5006 - A5024N				
Max gate-leaf width (m/ft)	5 / 16	4 / 13	3 / 10	2.5 / 8.2	2 / 6.6
Max gate-leaf weight (Kg)	400	500	600	800	1000

● 230 V AC ● 24 V DC

Application dimensions (mm)

GATE-LEAF OPENING ARC (°)	A	B	C MAX
MODEL	A3000 - A3000A - A3100 - A3100A - A3106 - A3006 - A3024N		
90°	130	130	60
120°	130	110	50
MODEL	A5000 - A5000A - A5100 - A5100A - A5106 - A5006 - A5024N		
90°	200	200	120
120°	200	140	70

● 230 V AC ● 24 V DC

Technical features

Type	A3000 - A300A - A3100 - A3100A - A5000 - A500A - A5100 - A5100A	A3006 - A3106 - A5006 - A5106	A3024N - A5024N
Protection rating IP	IP44	IP44	IP44
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	230 AC	24 DC
Current draw (A)	1.2	1.2	10 MAX
Power (W)	150	150	120
90° opening time (s)	19 ÷ 32	28 ÷ 45	ADJUSTABLE
Duty cycle (%)	50	50	INTENSIVE USE
Thrust (N)	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	150/302	150/302	-

● 230 V AC ● 24 V DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	230 V AC external operators	
001**A3000**	Self-locking operator for gate-leaves of up to 3 m / 10 ft (opening time 90°: 19 s).	£319.00
001**A3000A**	Self-locking operator with built-in endstops for gate-leaves of up to 3 m / 10 ft (opening time 90°: 19 s).	£319.00
001**A5000**	Self-locking operator for gate-leaves of up to 5 m / 16 ft (opening time 90°: 32 s).	£332.00
001**A5000A**	Self-locking operator with built-in endstops for gate-leaves of up to 5 m / 16 ft (opening time 90°: 32 s).	£332.00
	Control panels for 230 V AC operators	
002**ZA3N**	Multifunction control panel for two-leaf swing gates with built-in radio decoder.	£153.00
002**ZM3E**	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£249.00
	24 V DC external operators and control panel - tested in compliance with EN 12453 - EN 12445	
001**A3024N**	Self-locking operator for gate-leaves of up to 3 m / 10 ft (opening time 90°: adjustable).	£361.00
001**A5024N**	Self-locking operator for gate leaves of up to 5 m / 16 ft (opening time 90°: adjustable).	£375.00
002**ZL180**	Control panel for two-leaf swing gates with built-in radio decoder.	£196.00
	Accessories for: 002ZL180	
002**LB180**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£67.00
	Accessories	
001**LOCK81**	Electric lock with single cylinder.	£94.00
001**LOCK82**	Electric lock with double cylinder.	£100.00
001**D001**	Lock cylinder with DIN key.	£25.00
001**H3000**	Safety casing complete with release handle and command button for pull-cord release L = 5 m / 16.40 ft.	£93.00

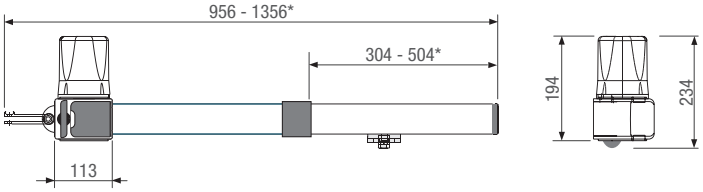
Krono

Gate-leaves of up to 5 m / 16 ft

The ideal solution to apply to stylish gates

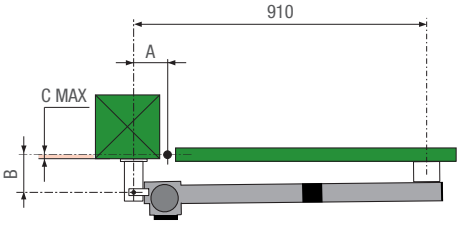
- Special stem-shaped aluminium structure.
- The opening and closing endpoint microswitches provide exact setting of the gate-leaf stop positions.
- A staple of CAME tradition.

Dimensions (mm)



* KR510D - KR510S

Application (mm)



Limits to use

MODEL	KR300D - KR300S - KR302D - KR302S - KR310D - KR310S				
Max gate-leaf width (m/ft)			3 / 10	2.5 / 8.2	2 / 6.6
Max gate-leaf weight (Kg)			400	600	800
MODEL	KR510D - KR510S				
Max gate-leaf width (m/ft)	5 / 16	4 / 13	3 / 10	2.5 / 8.2	2 / 6.6
Max gate-leaf weight (Kg)	400	500	600	800	1000

● 230 V AC

Application dimensions (mm)

GATE-LEAF OPENING ARC (°)	A	B	C MAX
MODEL	KR300D - KR300S - KR302D - KR302S - KR310D - KR310S		
90°	130	130	60
120°	130	110	50
MODEL	KR510D - KR510S		
90°	200	200	120
120°	200	140	70

● 230 V AC

Technical features

Type	KR300D - KR300S - KR310D - KR310S	KR302D - KR302S	KR510D - KR510S
Protection rating IP	IP54	IP54	IP54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC
Current draw (A)	1.1	1.1	1.1
Power (W)	130	130	130
90° opening time (s)	22	18	34
Duty cycle (%)	30	30	30
Thrust (N)	400 ÷ 3000	400 ÷ 3000	400 ÷ 3000
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	150/302	150/302	150/302

● 230 V AC

The complete range

Code	Description	Price £ (Excl. VAT)
	230 V AC external operators	
001**KR300D**	Right-hand self-locking operator for gate-leaves of up to 3 m / 10 ft.	£301.00
001**KR300S**	Left-hand self-locking operator for gate-leaves of up to 3 m / 10 ft.	£301.00
001**KR310D**	Right-hand self-locking operator for gate-leaves of up to 3 m / 10 ft with built-in gate-leaf stop microswitches.	£309.00
001**KR310S**	Left-hand self-locking operator for gate-leaves of up to 3 m / 10 ft with built-in gate-leaf stop microswitches.	£309.00
001**KR510D**	Right-hand self-locking operator for gate-leaves of up to 5 m / 16 ft with built-in gate-leaf stop microswitches.	£335.00
001**KR510S**	Left-hand self-locking operator for gate-leaves of up to 5 m / 16 ft with built-in gate-leaf stop microswitches.	£335.00
	Control panels for 230 V AC operators	
002**ZA3N**	Multifunction control panel for two-leaf swing gates with built-in radio decoder.	£153.00
002**ZM3E**	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£249.00
	Accessories	
001**KR001**	Lock cylinder with DIN key.	£26.00

Prices for complete KRONO Kits (with control panels, activation and safety accessories included) can be found on page 15.

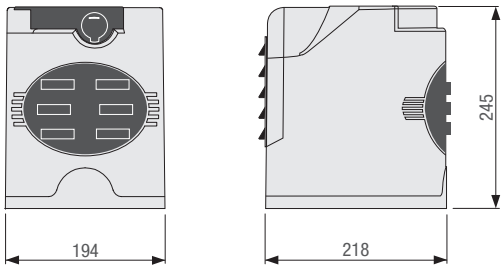
Fast

Gate-leaves of up to 2.3 m / 7.5 ft

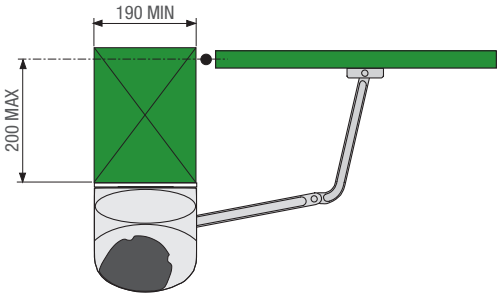
The ideal solution for residential or apartment-block applications on medium to large posts

- Installed quickly and easily, even on medium and large gate posts.
- Handy release lever for manually opening the gate.
- The 001F7024N model features a simplified connection system with a single cable containing three conductors to handle both the motor and the encoder.
- The 24 V version can function in emergency mode during power cuts.

Dimensions (mm)



Application (mm)



Limits to use

MODEL	F7000 - F7001 - F7001E - F7024N - F7024E			
Max gate-leaf width (m/ft)	2.3 / 7.5	2 / 6.5	1.5 / 5	1 / 3.3
Max gate-leaf weight (Kg)	200	215	250	300

● 230 V AC ● 24 V DC

Technical features

Type	F7000 - F7001 - F7001E	F7024N - F7024E
Protection rating IP	IP54	IP54
Power supply (V - 50/60 Hz)	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	24 DC
Current draw (A)	1.4	11 MAX
Power (W)	160	140
90° opening time (s)	18	ADJUSTABLE
Duty cycle (%)	30	INTENSIVE USE
Torque (Nm)	180	180
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	150/302	-

● 230 V AC ● 24 V DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	230 V AC external automation system	
001**F7000**	Self-locking automation complete with articulated transmission arm and built-in control panel.	£465.00
	230 V AC external operator	
001**F7001**	Self-locking operator complete with articulated transmission arm for gate-leaves of up to 2.3 m / 7.5 ft.	£354.00
	Control panels for 230 V AC operators	
002**ZA3N**	Multifunction control panel for two-leaf swing gates with built-in radio decoder.	£153.00
	230 V AC external operator and control panel - tested in compliance with EN 12453 - EN 12445	
001**F7001E**	Self-locking operator with encoder complete with articulated transmission arm for gate-leaves of up to 2.3 m / 7.5 ft.	£365.00
002**ZM3E**	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£249.00
	24 V DC external operator and control panel - tested in compliance with EN 12453 - EN 12445	
001**F7024N**	Self-locking operator complete with articulated transmission arm for gate-leaves of up to 2.3 m / 7.5 ft.	£376.00
002**ZL180**	Control panel for two-leaf swing gates with built-in radio decoder.	£196.00
	24 V DC external operator and control panels - tested in compliance with EN 12453 - EN 12445	
001**F7024E**	Self-locking operator with encoder complete with articulated transmission arm for gate-leaves of up to 2.3 m / 7.5 ft.	£395.00
002**ZLJ14**	Multifunction control panel for one-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£277.00 NEW
002**ZLJ24**	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£295.00
	Accessories for: 002ZLJ14	
002**LB90**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£53.00
	Accessories for: 002ZL180 and 002ZLJ24	
002**LB180**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£67.00
	Accessories	
001**LOCK81**	Electric lock with single cylinder.	£94.00
001**LOCK82**	Electric lock with double cylinder.	£100.00
001**F7002**	Straight transmission arm and slide guide.	£89.00
001**H3000**	Safety casing complete with release handle and command button for pull-cord release L = 5 m / 16.40 ft.	£93.00
BAT2PK	Set of two 12V - 1.2 Ah batteries.	£50.00















Prices for complete FAST Kits (with control panels, activation and safety accessories included) can be found on page 15.

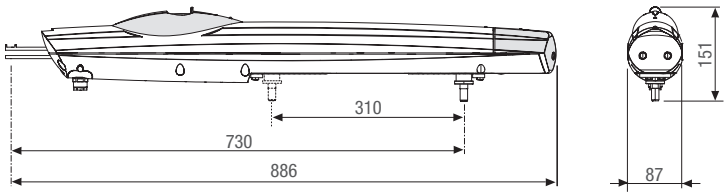
Amico

Gate-leaves of up to 2.2 m / 7.2 ft

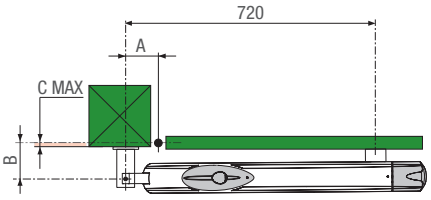
The ideal solution to apply to gates in residential settings

- Exclusive, distinguished style.
- Release system with triangular key.
- Adjustable mechanical stops to memorise the gate-run.
- Simplified connection with only one three-core cable.
- Supporting aluminium half-casings.
- Worm screw is always protected thanks to its dedicated cover.
- Can function in emergency mode during power cuts.
- Self-diagnosing safety devices.
- Tested according to applicable rules and regulations.

Dimensions (mm)



Application (mm)



Limits to use

MODEL		A1824	
Max gate-leaf width (m/ft)	1.8/6	1.5/5	1/3,3
Max gate-leaf weight (Kg)	200	215	250
MODEL		A18230	
Max gate-leaf width (m/ft)	2.2/7.2	1.7/5,6	1/3,3
Max gate-leaf weight (Kg)	200	225	250

● 230 V AC ● 24 V DC

Application dimensions

GATE-LEAF OPENING ARC (°)	A	B	C MAX
MODEL		A1824 - A18230	
90°	130	130	60
120°	130	110	50

Dimensions (mm / in) ● 230 V AC ● 24 V DC

Technical features

Type	A1824	A18230
Protection rating IP	IP44	IP44
Power supply (V - 50/60 Hz)	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	24 DC	230 AC
Current draw (A)	4 MAX	1.2
Power (W)	100	80
90° opening time (s)	ADJUSTABLE	19
Duty cycle (%)	INTENSIVE USE	50
Thrust (N)	400 ÷ 2000	400 ÷ 2000
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-	150/302

● 230 V AC ● 24 V DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)	
	230 V AC external operator		
001**A18230**	Self-locking operator for gate-leaves of up to 2.2 m / 7.2 ft.	£299.00	
	Control panels for 230 V AC operators		
002**ZA3N**	Multifunction control panel for two-leaf swing gates with built-in radio decoder.	£153.00	
	24 V DC external operator and control panels - tested in compliance with EN 12453 - EN 12445		
001**A1824**	Self-locking operator with encoder for gate-leaves of up to 1.8 m / 6 ft.	£311.00	
002**ZLJ14**	Multifunction control panel for one-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£277.00 NEW	
002**ZL92**	Control panel for two-leaf swing gates with function display, self-diagnosis of safety devices and built-in radio decoder.	£229.00 NEW	
002**ZLJ24**	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£295.00	
	Accessories for: 002ZLJ14 and 002ZL92		
002**LB90**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£53.00	
	Accessories for: 002ZLJ24		
002**LB180**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£67.00	
	Accessories		
BAT2PK	Set of two 12V - 1.2 Ah batteries.	£50.00	

Prices for complete AMICO Kits (with control panels, activation and safety accessories included) can be found on page 16.

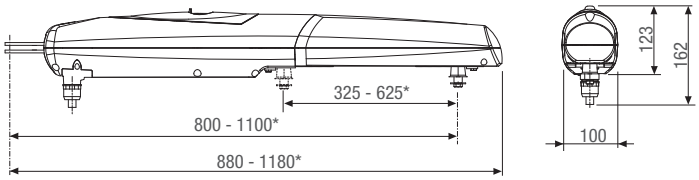
Axo

Gate-leaves of up to 7 m / 23 ft

The ideal solution to apply to gates in residential or apartment block settings

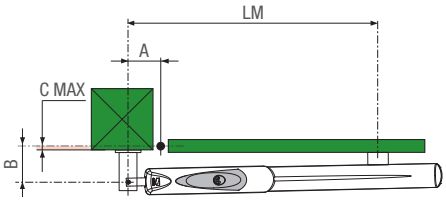
- Tested according to applicable rules and regulations.
- The 24 V version can function in emergency mode during power cuts.
- Available both in the reversible and self-locking versions.
- Worm screw is always protected thanks to its dedicated cover.
- The 24 V version comes with a simplified connection system featuring a single, three-core cable that handles both motor and encoder.
- Encoder-based technology to manage decelerations.
- Adjustable mechanical stops to memorise the gate-run.
- Supporting aluminium half-casings.
- Even for gates with leaves of up to 7 m / 23 ft.

Dimensions (mm)



* AX5024 - AX71230

Application



Limits to use

MODEL				AX302304 - AX312304 - AX3024			
Max gate-leaf width (m/ft)					3 / 10	2.5 / 8.2	2 / 6.6
Max gate-leaf weight (Kg)					500	600	800
MODEL				AX402306 - AX412306			
Max gate-leaf width (m/ft)				*4 / 13	3 / 10	2.5 / 8.2	2 / 6.6
Max gate-leaf weight (Kg)				300	500	600	800
MODEL				AX5024			
Max gate-leaf width (m/ft)			*5 / 16	*4 / 13	3 / 10	2.5 / 8.2	2 / 6.6
Max gate-leaf weight (Kg)			400	500	700	800	1000
MODEL				AX71230			
Max gate-leaf width (m/ft)	*°7 / 23	*°6 / 19.7	*5 / 16	*4 / 13	3 / 10	2.5 / 8.2	2 / 6.6
Max gate-leaf weight (Kg)	300	350	400	500	700	800	1000

● 230 V AC ● 24 V DC

NOTE:
*** It is mandatory the use of an electric lock on the gate-leaf.**
° ° Gate-leaves larger than 5 m / 16 ft cannot be panelled.
Attention must be paid when there is strong wind with the reversible versions if the gate is open as it could slam shut.

Application dimensions (mm)

GATE-LEAF OPENING ARC (°)	A	B	C MAX	LM
MODEL		AX302304 - AX312304 - AX3024		
90°	130	130	70	800
120°	140	100	50	800
MODEL		AX402306 - AX412306		
90°	130	130	70	800
120°	140	100	50	800
MODEL		AX5024		
90°	200	220	150	1100
120°	220	220	100	1100
MODEL		AX71230		
90°	200	220	150	1100
120°	220	220	100	1100

● 230 V AC ● 24 V DC

Technical features

Type	AX302304-AX312304	AX402306-AX412306	AX3024	AX5024	AX71230
Protection rating IP	IP44	IP44	IP44	IP44	IP44
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	230 AC	24 DC	24 DC	230 AC
Current draw (A)	1.5	1.5	10 MAX	10 MAX	1.5
Power (W)	175	175	120	120	175
90° opening time (s)	20	28	ADJUSTABLE	ADJUSTABLE	40
Duty cycle (%)	50	30	INTENSIVE USE	INTENSIVE USE	30
Thrust (N)	500 ÷ 4500	500 ÷ 4500	500 ÷ 4500	500 ÷ 4500	500 ÷ 4500
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	150/302	150/302	-	-	150/302

● 230 V AC ● 24 V DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	230 V AC external operators and control panel - tested in compliance with EN 12453 - EN 12445	
001**AX302304**	Self-locking operator with encoder for gate-leaves of up to 3 m / 10 ft (opening time 90°: 20 s).	£355.00
001**AX312304**	Reversible operator with encoder for gate-leaves of up to 3 m / 10 ft (opening time 90°: 20 s).	£325.00
001**AX402306**	Self-locking operator with encoder for gate-leaves of up to 4 m / 13 ft (opening time 90°: 28 s).	£355.00
001**AX412306**	Reversible operator with encoder for gate-leaves of up to 4 m / 13 ft (opening time 90°: 28 s).	£325.00
001**AX71230**	Reversible operator with encoder for gate-leaves of up to 7 m / 23 ft (opening time 90°: 40 s).	£371.00
002**ZM3E**	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£249.00
	24 V DC external operators and control panels - tested in compliance with EN 12453 - EN 12445	
001**AX3024**	Self-locking operator with encoder for gate-leaves of up to 3 m / 10 ft (opening time 90°: adjustable).	£350.00
001**AX5024**	Self-locking operator with encoder for gate-leaves of up to 5 m / 16 ft (opening time 90°: adjustable).	£371.00
002**ZLJ14**	Multifunction control panel for one-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£277.00 NEW
002**ZLJ24**	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	£295.00
	Accessories for: 002ZLJ14	
002**LB90**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£53.00
	Accessories for: 002ZLJ24	
002**LB180**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£67.00
	Accessories	
001**LOCK81**	Electric lock with single cylinder.	£94.00
001**LOCK82**	Electric lock with double cylinder.	£100.00
BAT2PK	Set of two 12V - 1.2 Ah batteries.	£50.00










Prices for complete AXO Kits (with control panels, activation and safety accessories included) can be found on pages 17-19.

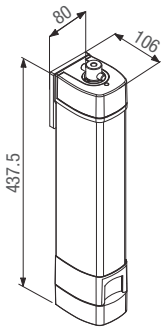
Stylo

Gate-leaves of up to 1.8 m / 6 ft

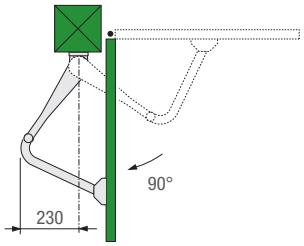
The ideal solution to apply to small-sized gate posts

- Gate-leaves of up to 1.8 m / 6 ft.
- Encoder-based movement control.
- Tested according to applicable rules and regulations.
- For installing on gates with minimal-width gate posts (starting from 8 cm / 3.14 in) even up against a wall or fence, thanks to the straight-arm option.
- Can function in emergency mode during power cuts.
- Sturdy and reliable, despite its reduced size, thanks to the system's irreversibility.
- The release system comes with a customised key.

Dimensions (mm)



Application (mm)



Limits to use

MODEL	STYLO-ME		
Max gate-leaf width (m/ft)	1.8 / 6	1.2 / 3.9	0.8 / 2.6
Max gate-leaf weight (Kg)	100	125	150
Max gate-leaf opening (°)	120 (with 001STYLO-BS) - 135 (with 001STYLO-BD)		

● 24 V DC

Technical features

Type	STYLO-ME
Protection rating IP	IP54
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 DC
Current draw (A)	5 MAX
Power (W)	48
90° opening time (s)	ADJUSTABLE
Duty cycle (%)	INTENSIVE USE
Torque (Nm)	100
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-

● 24 V DC

The complete range

Code	Description	Price £ (Excl. VAT)
	24 V DC external operators and control panels - tested in compliance with EN 12453 - EN 12445	
001**STYLO-ME**	Self-locking operator with encoder for gate-leaves of up to 1.8 m / 6 ft.	£304.00
002**ZL92**	Control panel for two-leaf swing gates with function display, self-diagnosis of safety devices and built-in radio decoder.	£229.00
	Accessories for: 002ZL92	
002**LB90**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£53.00
	Accessories	
001**STYLO-BS**	Articulated transmission arm.	£39.00
001**STYLO-BD**	Straight transmission arm and slide guide.	£105.00




Prices for complete STYLO Kits (with control panels, activation and safety accessories included) can be found on page 21.

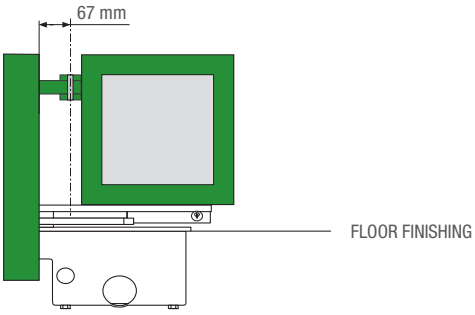
Frog Plus

Gate-leaves of up to 7 m / 23 ft

The underground solution for large commercial and industrial gateways

- The underground solution for large, heavy swing gates.
- High-grade of protection from environmental agents. (IP67).
- Limit switches provide a quick and simple means of adjusting the stopping positions of the gate.
- Featuring encoder-based technology, tested according to current legislative standards.
- 230 A.C Motor for maximum performance.

Application (mm)



Limits to use

MODEL		FROG-PM4		
Max gate-leaf width (m)		5.5	4.5	3.5
Max gate-leaf weight (Kg)		700	900	1100
MODEL		FROG-PM6		
Max gate-leaf width (m)	7	6	5	4
Max gate-leaf weight (Kg)	550	650	800	1000

● 230 V AC

NOTE:
*** We suggest the use of an electric lock on the gate-leaf.**

Technical features

Type	FROG-PM4	FROG-PM6
Protection rating IP	IP67	IP67
Power supply (V - 50/60 Hz)	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	230 AC
Current draw (A)	5.1	2.6
Power (W)	1200	600
95° opening time (s)	30	45
Duty cycle (%)	50	50
Torque (Nm)	800	800
Operating temperature (°C/°F)	-20 ~ +55	-20 ~ +55
Motor thermo protection (°C/°F)	150	150

● 230 V AC

The complete range

Code	Description	Price £ (Excl. VAT)
	230 V AC underground operators	
001**FROG-PM4** E	Self-locking operator with encoder for gate-leaves of up to 5.5 m.	**£2395.00** NEW
001**FROG-PM6** E	Self-locking operator with encoder for gate-leaves of up to 7 m.	**£2395.00** NEW
	Control panels for 230 V AC operators	
002**ZM3E** EN TESTED	Multifunction control panel for two-leaf swing gates featuring signalling display, self-diagnosis of safety devices and built-in radio decoder.	**£249.00**
	Accessories	
001**FROG-PC**	Steel foundation casing with corrosion-resistant cataphoresis surface treatment, complete with transmission lever with adjustable leaf-opening stop.	**£840.00** NEW
001**A4801**	Limit switch group.	**£POA** NEW
001**A4364**	Lever key release.	**£27.00**
001**A4365**	Triangular key release.	**£41.00**
001**A4366**	Customised key release and EURO-DIN cylinder.	**£53.00**
001**LOCK81**	Electric lock with single cylinder.	**£94.00**
001**LOCK82**	Electric lock with double cylinder.	**£100.00**

Prices for complete FROG-PLUS Kits (with control panels, activation and safety accessories included) can be found on page 12.

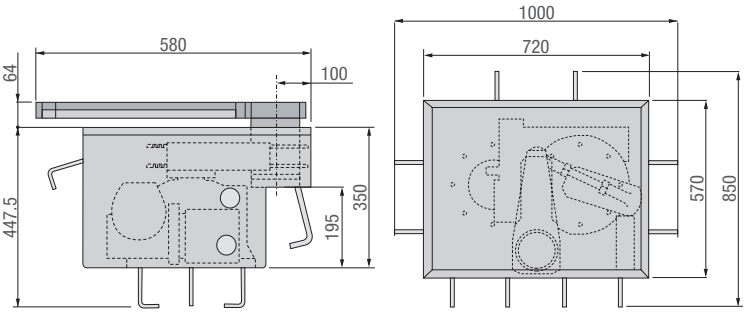
Super Frog

Gate-leaves of up to 8 m / 26 ft

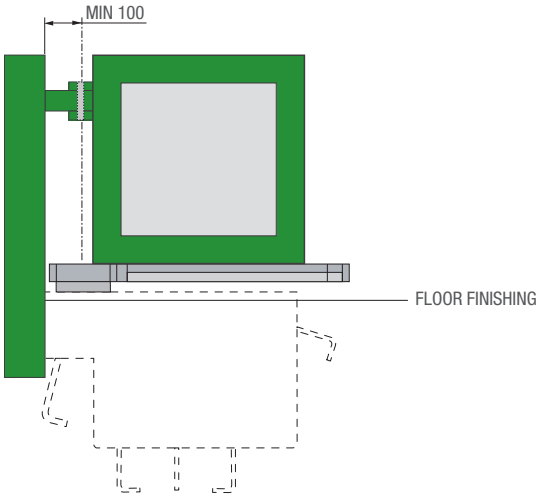
The underground solution for uncommonly large and heavy swing gates.

- For automating exceptionally large gates.
- High-rate of protection from environmental agents (IP67).
- Built-in closing and opening endstops provide quick and easy setting of gate-leaf stop positions.
- Powered by 3-phase voltage for enhanced thrust.

Dimensions (mm)



Application (mm)



Limits to use

MODEL	FROG-MD - FROG-MS					
Max gate-leaf width (m/ft)	8 / 26	7 / 23	6 / 20	5 / 16.5	4 / 13	< 4 / 13
Max gate-leaf weight (Kg)	600	700	800	1000	1200	1500
Max gate-leaf opening (°)	95	95	95	95	95	95

● 230 – 400 V AC 3-PHASE

Technical features

Type	FROG-MD - FROG-MS
Protection rating IP	IP67
Power supply (V - 50/60 Hz)	230 - 400 AC 3-PHASE
Motor power supply (V - 50/60 Hz)	230 - 400 AC 3-PHASE
Current draw (A)	2.5 MAX
Power (W)	600
95° opening time (s)	45
Duty cycle (%)	50
Torque (Nm)	1000
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-

● 230 – 400 V AC 3-PHASE

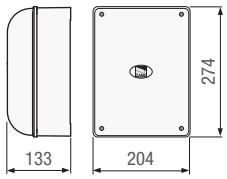
The complete range

Code	Description	Price £ (Excl. VAT)
	230 - 400 V AC 3-phase underground operators	
001**FROG-MD**	Right-hand self-locking operator for gate-leaves of up to 8 m / 26 ft.	£3,995.00
001**FROG-MS**	Left-hand self-locking operator for gate-leaves of up to 8 m / 26 ft.	£3,995.00
	230 - 400 V 3-phase control panel	
002**ZM3ES**	Multifunction control panel with signalling display, self-diagnosis of safety devices and built-in radio decoder.	£855.00
	Foundation casings	
001**FROG-CD**	Foundation casing for right-hand operator.	£1,350.00
001**FROG-CS**	Foundation casing for left-hand operator.	£1,350.00

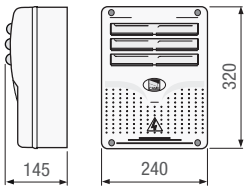
Electronic functions

The table shows all of the control panels features dedicated to swing-gate operators. Those highlighted in bold are important when choosing which automation system to install and should be considered from the start.

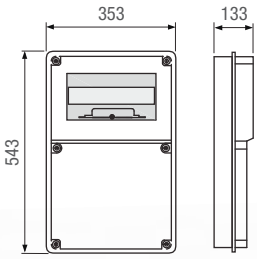
Dimensions (mm)



002ZL160N
002ZL150N
002ZA3N
002ZL170N



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



002ZM3ES

CAME

The models

Series	Ati Krono Frog Fast Ferni	Ati Krono Frog Frog-Plus Fast Ferni	Super Frog	Amico Frog-J	Amico Myto Axo Frog-J Frog Fast	Amico Myto Axo Frog-J Frog Fast	Flex	Flex	Frog Ferni	Frog Ferni	Ati Fast
Type	ZA3N	ZM3E	ZM3ES	ZL92	ZLJ24	ZLJ14	ZL150N	ZL160N	ZL170N	ZL19N	ZL180
SAFETY											
SELF-DIAGNOSIS of safety devices		●	●	●	●	●				●	●
Opening and closing PRE-FLASHING	●	●	●	●	●	●	●		●	●	●
RE-OPENING during closing	●	●	●	●	●	●	●	●	●	●	●
RE-CLOSING during opening	●	●	●		●	●	●				
Obstacle STALL		●	●	●	●	●					
TOTAL STOP	●	●	●	●	●	●	●	●	●	●	●
PARTIAL STOP	●	●	●	●	●	●	●		●	●	●
OBSTACLE DETECTION in front of photocells	●	●	●	●	●	●	●		●	●	●
ENCODER		●		●	●	●					
MOVEMENT CONTROL and OBSTACLE DETECTION device					●	●					
AMPEROMETRIC DETECTION				●	●	●		●	●	●	●
COMMAND											
1 leaf PEDESTRIAN OPENING		●	●	●	●	●				●	●
1 leaf PARTIAL OPENING	●	●	●		●	●	●				
OPEN ONLY from the transmitter and/or the button	●	●	●	●	●	●	●		●	●	●
OPEN ONLY or CLOSE ONLY button connection	●	●	●	●	●	●	●		●	●	
OPEN-STOP-CLOSE-STOP from the transmitter and/or the button	●	●	●	●	●	●	●	●	●	●	●
OPEN-CLOSE-REVERSE from the transmitter and/or the button	●	●	●	●	●	●	●	●	●	●	●
MAINTAINED ACTION	●	●	●	●	●	●	●	●	●	●	●
1st leaf DELAYED OPENING	●	●	●	●	●		●			●	●
2nd LEAF DELAYED CLOSING	●	●	●	●	●		●			●	●
IMMEDIATE CLOSING											
EMERGENCY RELEASE from the transmitter											
FEATURES AND ADJUSTMENTS											
FLASHING LIGHT connection	●	●	●	●	●	●	●	●	●	●	●
CYCLE LAMP connection	●	●	●		●	●			●	●	
COURTESY LAMP connection		●	●		●	●					
Antenna	●	●	●	●	●	●	●	●	●	●	●
OPEN WARNING LIGHT connection	●	●	●	●	●	●	●	●	●	●	●
CLOSE WARNING LIGHT connection											
Contact output for 2nd RADIO CHANNEL	●	●	●	●	●	●	●		●	●	●
RUNNING TIME adjustment	●	●	●	●	●	●	●	●	●		
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●	●	●	●	●	●
ELECTRO-LOCK/ELECTRO-RELEASE and/or RAM BLOW connection	●	●	●	●	●	●	●	●	●	●	●
Adjustable AUTOMATIC RE-CLOSING TIME	●	●	●	●	●	●	●	●	●	●	●
OPENING and/or CLOSING slow-down		●		●	●	●			●	●	●
EMERGENCY BATTERY operation (option)				●	●	●	●	●	●	●	●
MASTER-SLAVE											
Adjustable RUNNING and SLOW-DOWN SPEED		●*		●	●	●			●	●	
Signalling DISPLAY		●	●		●	●					
Electronic BRAKE											
Opening and closing endstop SELF-LEARNING		●		●	●	●					

● 230 – 400 V AC 3-PHASE - ● 230 V AC - ● 24 V DC INTENSIVE USE

NOTE:
*** 002ZM3E slow-down speed only.**

Automation for:
SLIDING GATES

Index

CAME

Your selection guide

Sliding gate operators

The table below summarises the series and models along with their maximum weight limit.

Series	Model	Max gate-leaf weight (Kg)
Bx-243	BX-243	300
	BX-243C	
Bx	BX-74	400
	BX-246	600
	BX-P	
	BX-78	800
	BX-10	
Bk	BK-800	● 230 V AC INTENSIVE USE
	BK-1200	1,200
	BK-1200P	
	BKE-1200	
	BK-1800	1,800
	BKE-1800	
	BK-2200	2,200
	BK-221	● 230 V AC INTENSIVE USE
	BKE-2200	
	BK-2200T	
By-3500T	BY-3500T	3,500

● 230 - 400 AC 3-PHASE - ● 230 V AC - ● 24 V DC INTENSIVE USE

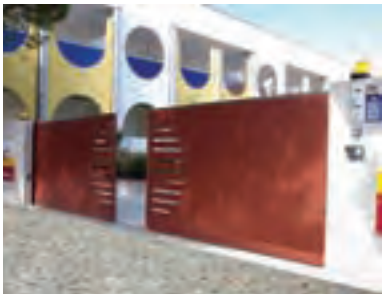
24 V DC motors
are specifically designed for intensive use and are guaranteed to work even during power cuts.

230 – 400 V AC 3-PHASE
motors are intended for industrial use as they guarantee greater surge rates of the gearmotors in the starting phase.

Sliding gates

RIGHT OR LEFT opening

All CAME sliding gate operators are made to open on the left side (operator side view).
To install on the right, invert the motor phases and endpoint connection, as shown in the installation manuals.
Series: Bx-243



SIMULTANEOUS opening

The range of CAME sliding gate operators allows you to install two operators opposite each other.
Series: Bk

Industrial APPLICATION

In industrial installations that see passage of trailer-trucks, semi-trailers and forklifts, it is always advisable to install infrared beam photocells at two heights.
This is to prevent gate closings if vehicles stop in the passage zone.
Series: By-3500T

The flashing light: for added safety

CAME recommends the installation of the flashing light to indicate the presence of moving mechanical parts.

Also, KIARON and KIARO24IN provide easy programming of reminders for periodic maintenance thanks to their “movement counter” function. With this, installers can decide on a number of cycles, and once the limit is reached, an additional light signal warns that scheduled maintenance is due.

European Standards

An example of a European Regulation-compliant standard installation

Installation:
ON PUBLIC PREMISES
The system is installed in a public area or bordering with a public area.
Example: a private gateway that opens directly onto a main road.

User Type:
TRAINED
The system is activated only by users trained to use the automation.

Standard command type:
RADIO COMMAND
It allows the system control either by remote or fixed device impulses.

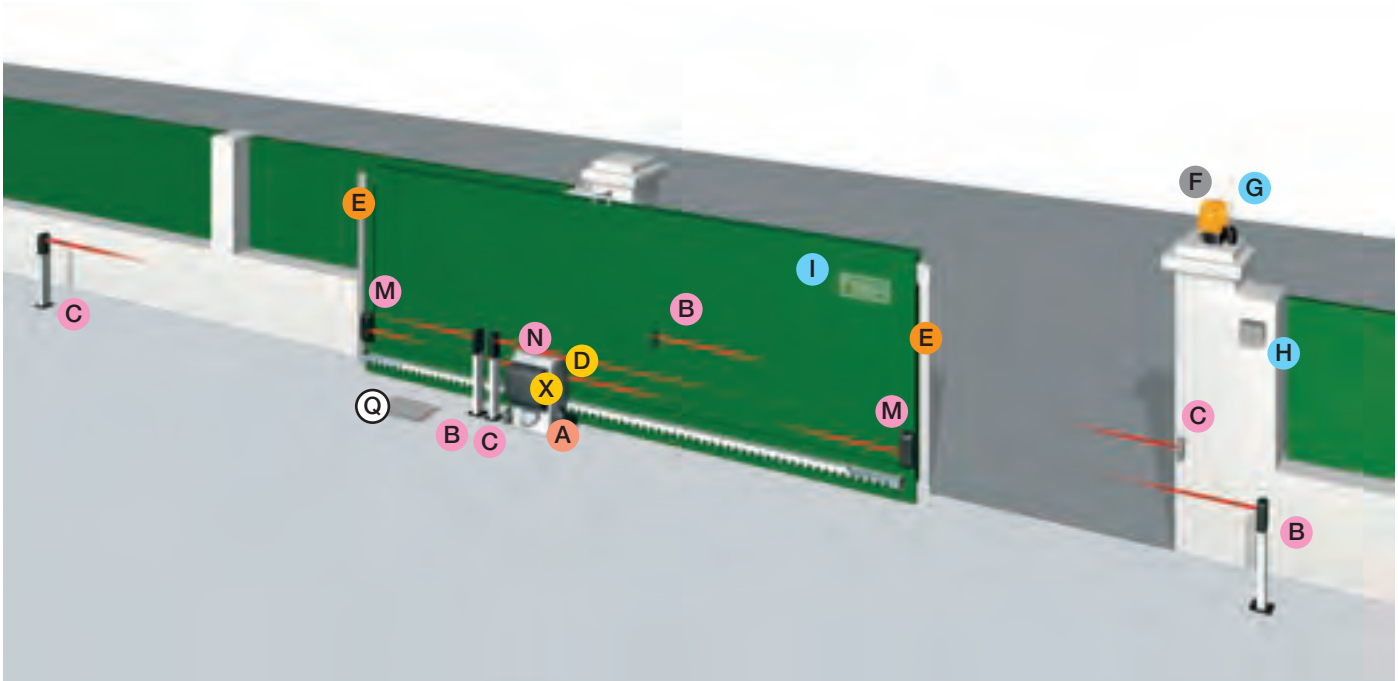
Solutions for a safe installation:
SAFETY SENSITIVE EDGES AND INFRARED-BEAM PHOTOCELLS
Thanks to the special on board mechanism, the sensitive safety edges are completely collapsible and have no rigid parts – to guarantee top level protection.

EN TESTED: CAME's added value

When you use EN-TESTED operators and control panels you do not need to install any sensitive safety edges. However, the impact forces still need to be measured for compliance against the parameters established in the regulations.

This product is tested for compliance with maximum impact force standards established by EN 12445 and EN 12453 Technical Regulations.

Sliding GATE



The products

- A Sliding gate operator
- B TX photocells
- C RX photocells
- D Control and emergency battery charge card
- E Safety sensitive edges
- F Flashing light
- G Antenna
- H Command switch (key – code – card or transponder keyfob).
- I Gate plate
- M TX cordless photocells
- N TX photocells
- Q Junction box
- X Radio receiver

Control panel and radio receiver are built-into the operator (excluding: 001BK-2200T)

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 - 400 V AC 3-PHASE power supply	4G x 1.5 mm²	4G x 1.5 mm²	4G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 - 400 V AC 3-PHASE motor power supply	4G x 1.5 mm²	4G x 1.5 mm²	4G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm ²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

Complete kits

CAME

BX-74 kit

Complete kit for a sliding gate weighing up to 400kg, 230V A.C.

Price £ 594.00
(Excl. VAT)

10m
400kg

	Qty
001**BX74** 230v Motor & Panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BX-78 kit

Complete kit for a sliding gate weighing up to 800kg, 230V A.C.

Price £ 624.00
(Excl. VAT)

14m
800kg

	Qty
001**BX78** 230v Motor & Panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BX-P kit

Complete kit for a sliding gate weighing up to 600kg, 230V A.C.

Price £ 764.00
(Excl. VAT)

12m
600kg

	Qty
001**BX-P** 230v Motor & Panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BX-10 kit

Complete kit for a sliding gate weighing up to 600kg, 230V A.C.

Price £ 711.00
(Excl. VAT)

12m
600kg

	Qty
001**BX10** 230v Motor & LCD Panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BX technical specification & operational limits for all kits on these pages can be found on page 62

Complete kits

CAME

BX-243 kit

Complete kit for a sliding gate weighing up to 300kg, 24v D.C.

Price £ 544.00
(Excl. VAT)

8.5m
300kg

	Qty
001**BX243** 24v Motor & Panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BX-246 kit

Complete kit for a sliding gate weighing up to 600kg, 24v D.C.

Price £ 713.00
(Excl. VAT)

18m
600 kg

	Qty
001**BX246** 24v Motor & Panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BX technical specification & operational limits for all kits on these pages can be found on page 60 (Bx-243) and page 62 (Bx-246).

Certain items listed in the kits on these pages, namely control board, remote controls or safety photocells, may be substituted without prior notice for a comparative alternative if the advertised item code is temporarily out of stock.

Complete kits

CAME

BK-800 kit

Complete kit for a sliding gate weighing up to 800kg, 230V A.C.

Price £ 893.00
(Excl. VAT)

20m
800kg

	Qty
001**BK800** 230v Motor & Panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BK-12P kit

Complete kit for a sliding gate weighing up to 1200kg, 230V A.C.

Price £ 890.00
(Excl. VAT)

20m
1200kg

	Qty
001**BK1200P** 230v Motor & Panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BK-1200 kit

Complete kit for a sliding gate weighing up to 1200kg, 230V A.C.

Price £ 713.00
(Excl. VAT)

20m
1200kg

	Qty
001**BK1200** 230v Motor & Panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BKE-1200 kit

Complete kit for a sliding gate weighing up to 1200kg, 230V A.C.

Price £ 819.00
(Excl. VAT)

13m
1200kg

	Qty
001**BKE1200** 230v Motor & Panel & encoder	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BK technical specification & operational limits for all kits on these pages can be found on page 64

Complete kits

CAME

BK-1800 kit

Complete kit for a sliding gate weighing up to 1800kg, 230V A.C.

Price £ 773.00
(Excl. VAT)

20m
1800kg

	Qty
001**BK1800** 230v Motor & Panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BKE-1800 kit

Complete kit for a sliding gate weighing up to 1800kg, 230V A.C.

Price £ 879.00
(Excl. VAT)

13m
1800kg

	Qty
001**BKE1800** 230v Motor, Panel & Encoder	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BK-2200 kit

Complete kit for a sliding gate weighing up to 2200kg, 230V A.C.

Price £ 843.00
(Excl. VAT)

20m
2200kg

	Qty
001**BK2200** 230v Motor & Panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BKE-2200 kit

Complete kit for a sliding gate weighing up to 2200kg, 230V A.C.

Price £ 949.00
(Excl. VAT)

13m
1200kg

	Qty
001**BKE2200** 230v Motor, Panel & Encoder	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

BK technical specification & operational limits for all kits on these pages can be found on page 64

Certain items listed in the kits on these pages, namely control board, remote controls or safety photocells, may be substituted without prior notice for a comparative alternative if the advertised item code is temporarily out of stock.

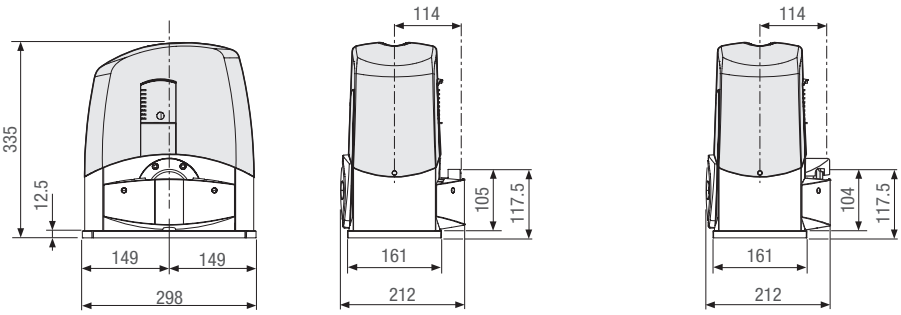
Bx-243

Sliding gates up to 300 Kg

The ideal solution to apply to residential gates

- Tested according to applicable rules and regulations.
- Can function in emergency mode during power cuts.
- Thanks to the endstops which are built-in and protected in the gearmotor assembly, it is no longer a problem to install the operator in areas with critical weather conditions.
- Encoder-based movement control.
- Self-diagnosing safety devices.
- The control board is fitted horizontally, making it much more practical to make the necessary connections.

Dimensions (mm)



001BX-243 001BX-243C

Limits to use

MODEL	BX-243	BX-243C
Max gate-leaf weight (Kg)	300	300
Max gate-leaf length (m/ft)	8.5/27.88	8.5/27.88
Pinion module (m)	4	-

● 24 V DC

Technical features

Type	BX-243 - BX-243C
Protection rating IP	IP54
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 DC
Current draw (A)	7 MAX
Power (W)	170
Manoeuvre speed (m/min - ft/min)	12/39.37
Duty cycle (%)	INTENSIVE USE
Thrust (N)	300
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-

● 24 V DC

The complete range

Code	Description	Price £ (Excl. VAT)
	24 V DC sliding gate operator with control board - tested in compliance with EN 12453 - EN 12445	
001**BX-243**	Automation system complete with control board, built-in radio decoder, encoder-based movement control and obstacle detection devices plus mechanical endstops for sliding gates of up to 300 Kg and max 8.5 m / 27.88 ft in length.	£396.00
001**BX-243C**	Automation system with chain transmission device complete with control board, built-in radio decoder, encoder-based movement control and obstacle detection devices plus mechanical endstops for sliding gates of up to 300 Kg and 8.5 m / 27.88 ft in length.	£485.00
	Accessories for: 001BX-243 and 001BX-243C	
002**LB90**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£53.00
009**BCAT**	Galvanised chain Ø 5 mm DIN 766 G 30 type A (Packages of 50 m / 164 ft).	£4.00
BAT2PK	Set of two 12V - 1.2 Ah batteries.	£50.00
	Racks for: 001BX-243	
009**CGZ**	Galvanized rack in rolled steel 22 x 22 mm / 0.86” x 0.86”.	£19.00
009**CGZP**	Rack in PA6 nylon and fibreglass with steel core 20 x 20 mm / 0.78” x 0.78”, with securing holes and distancers, for sliding gates of up to 300 Kg.	£18.00
009**CGZS**	Galvanized rack in rolled steel 30 x 8 mm / 1.18” x 0.31” with securing holes and distancers.	£21.00








BX-243 kit

Complete kit for a sliding gate weighing up to 300kg, 24v D.C.

Price € 561.00
(Excl. VAT)

8.5m
300kg

	Qty
001**BX243** 24v Motor & Panel	1
001**AF43S** Frequency card. (433,92MHz)	1
001**DIR-10** Pair Safety Photocells	1

	Qty
001**TOP-432NA** Radio Remote (433,92MHz)	2
001**TOP-A433N** Antenna	1

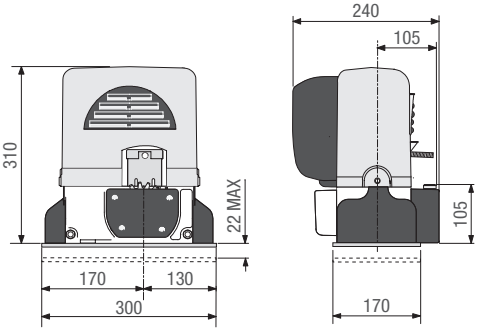
Bx

Sliding gates up to 800 Kg

The ideal solution to apply to gates subjected to intensive use

- 001BX-74 and 001BX-246: tested according to current legislative standards.
- A broad range is available to meet any requirements.
- Self-diagnosing safety devices.
- 001BX-10: evolved electronics with programming display, encoder-based deceleration and obstacle detections, and can memorise up to 250 users.
- PRATICO SYSTEM: to activate the radio release patented by CAME, just add a snap-in radio frequency card (this option is not possible for the 001AF30 and 001AF40 cards).
- 001BX-246: can work in emergency mode during power cuts.

Dimensions (mm)



Limits to use

MODEL	BX-74	BX-P	BX-246	BX-10	BX-78
Max gate-leaf weight (Kg)	400	600	600	800	800
Max gate-leaf length (m/ft)	14/45.93	14/45.93	18/59.05	20/65.61	14/45.93
Pinion module (m)	4	4	4	4	4

● 230 V AC ● 24 V DC

NOTE:
For the activation of the 001BK-1200P's release device you need a plug-in radio frequency card of the same series you use for the automation radio command (excluding: 001AF30 - 001AF40).

Technical features

Type	BX-74	BX-P	BX-246	BX-10	BX-78
Protection rating IP	IP54	IP54	IP54	IP54	IP54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	230 AC	24 DC	230 AC	230 AC
Current draw (A)	2.6	2	10 MAX	2.4	2.4
Power (W)	200	230	400	300	300
Manoeuvre speed (m/min - ft/min)	10.5/ 34.44	17/ 55.77	6 ÷12 / 19.68 ÷39.37	10.5/ 34.44	10.5/ 34.44
Duty cycle (%)	30	30	INTENSIVE USE	30	30
Thrust (N)	300	600	700	800	800
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	150	150	-	150/302	150/302

● 230 V AC ● 24 V DC

The complete range

Code	Description	Price £ (Excl. VAT)
	230 V AC sliding gate operator with control board - tested in compliance with EN 12453 - EN 12445	
001**BX-74**	Automation system complete with control board, built-in radio decoder, encoder-based movement control and obstacle detection devices, plus mechanical endstops for sliding gates of up to 400 Kg and max 14 m / 45.93 ft in length.	£446.00
	230 V AC sliding gate operator with control board	
001**BX-P**	Automation system complete with control board, built-in radio decoder and PRATICO SYSTEM radio release with a 12 V – 1.2 Ah battery for sliding gates of up to 600 Kg and max 14 m / 45.93 ft in length.	£618.00
001**BX-78**	Automation system complete with control board, radio decoder, encoder-based movement control and obstacle detection devices, plus mechanical endstops for sliding gates of up to 800 Kg and max 14 m / 45.93 ft in length.	£477.00
001**BX-10**	Automation system complete with control board featuring function programming display, built-in radio decoder, encoder-based movement control and obstacle detection devices for sliding gates of up to 800 Kg and 20 m / 65.62 ft in length.	£565.00
	24 V DC sliding gate operator with control board - tested in compliance with EN 12453 - EN 12445	
001**BX-246**	Automation system complete with control board, radio decoder, encoder-based movement control and obstacle detection devices, plus mechanical endstops for sliding gates of up to 600 Kg and max 18 m / 59.05 ft in length. Fitted to take two 12 V - 1.2 Ah batteries.	£567.00
	Accessories for: 001BX-10	
002**RSE**	Combined opening function management card.	£23.00
	Accessories for: 001BX-246	
002**LBD2**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£37.00
	Accessories	
001**R001**	Lock cylinder with DIN key.	£19.00
001**B4337**	Chain transmission device.	£205.00
009**CCT**	1/2 in simple chain.	per m £13.00
009**CGIU**	Joint for 1/2 in chain.	£2.00
	Racks	
009**CGZ**	Galvanized rack in rolled steel 22 x 22 mm / 0.86” x 0.86”.	per m £19.00
009**CGZP**	Rack in PA6 nylon and fibreglass with steel core 20 x 20 mm / 0.78” x 0.78”, with securing holes and distancers, for sliding gates of up to 600 Kg.	per m £18.00
009**CGZS**	Galvanized rack in rolled steel 30 x 8 mm / 1.18” x 0.31” with securing holes and distancers.	per m £21.00










Prices for complete BX Kits (with activation and safety accessories included) can be found on pages 56-57.

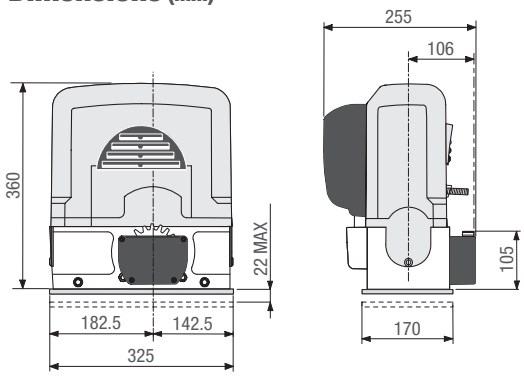
Bk

Sliding gates up to 2200 Kg

The ideal solution to apply to high volume of transit and industrial facilities

- Flexibility and safety thanks to a complete range designed to different types of use, from industrial to intensive settings.
- Self-diagnosing safety devices.
- A broad range of automated devices even with encoder-based movement control.
- Can also control additional lighting of the passage area.
- PRATICO SYSTEM: to activate the radio release patented by CAME, just add a snap-in radio frequency card (this option is not possible for the 001AF30 and 001AF40 cards).
- Module 4 or 6 pinions for fluid and linear transmission of the rack movement.
- 001BK-2200T: powered by a 3-phase voltage to ensure greater thrust.

Dimensions (mm)



Limits to use

MODEL	BK-800	BK-1200	BK-1200P	BK-1800	BK-2200	BK-221	BK-2200T
Max gate-leaf weight (Kg)	800	1,200	1,200	1,800	2,200	2,200	2,200
Max gate-leaf length (m/ft)	20/65.61	20/65.61	14/45.93	20/65.61	20/65.61	20/65.61	23/75.45
Pinion module (m)	4	4	4	4	6	4	6
MODEL		BKE-1200		BKE-1800	BKE-2200		
Max gate-leaf weight (Kg)		1,200		1,800	2,200		
Max gate-leaf length (m/ft)		13/42.65		13/42.65	13/42.65		
Pinion module (m)		4		4	6		

● 230 - 400 AC 3-PHASE - ● 230 V AC - ● 24 V DC

NOTES:
For the activation of the 001BK-1200P's release device you need a plug-in radio frequency card of the same series you use for the automation radio command (excluding: 001AF30 - 001AF40).

Technical features

Type	BK-800	BK-1200 - BKE-1200	BK-1200P	BK-1800 - BKE-1800	BK-2200 - BKE-2200	BK-221	BK-2200T
Protection rating IP	IP54	IP54	IP54	IP54	IP54	IP54	IP54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	230 - 400 AC 3-PHASE
Motor power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC	230 AC	230 - 400 AC 3-PHASE
Current draw (A)	4.5	3.3	3.3	4.2	5.1	5.1	1.5
Power (W)	520	380	380	480	580	580	600
Manoeuvre speed (m/min - ft/min)	10.5/ 34.44	10.5/ 34.44	14.5/ 47.57	10.5/ 34.44	10.5/ 34.44	10.5/ 34.44	10.5/ 34.44
Duty cycle (%)	INTENSIVE USE	50	30	50	50	INTENSIVE USE	50
Thrust (N)	800	850	850	1150	1500	1500	1650
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131						
Motor thermo protection (°C/°F)	150/302	150/302	150/302	150/302	150/302	150/302	150/302

● 230 - 400 AC 3-PHASE - ● 230 V AC - ● 24 V DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	230 V AC sliding gate operator with control board	
001**BK-800**	Automation system complete with control board, built-in radio decoder and mechanical endstops for sliding gates of up to 800 Kg and max 20 m / 65.62 ft in length.	£749.00
001**BK-1200**	Automation system complete with control board, built-in radio decoder and mechanical endstops for sliding gates of up to 1,200 Kg and max 20 m / 65.62 ft in length.	£567.00
001**BK-1200P**	Automation system complete with control board, built-in radio decoder and PRATICO SYSTEM radio release with a 12 V – 1.2 Ah battery for sliding gates of up to 1,200 Kg and max 14 m / 45.93 ft in length.	£745.00
001**BK-1800**	Automation system complete with control board, built-in radio decoder and mechanical endstops for sliding gates of up to 1,800 Kg and 20 m / 65.62 ft in length.	£627.00
001**BK-2200**	Automation system complete with control board, built-in radio decoder and mechanical endstops for sliding gates of up to 2,200 Kg and max 20 m / 65.62 ft in length.	£698.00
001**BK-221**	Automation system complete with control board, radio decoder and mechanical endstops for sliding gates of up to 2,200 Kg and max 20 m / 65.62 ft in length.	£819.00
001**BKE-1200**	Automation system complete with control board, built-in radio decoder, encoder-based movement control device for sliding gates of up to 1,200 Kg and max 13 m / 42.65 ft in length.	£674.00
001**BKE-1800**	Automation system complete with control board, built-in radio decoder, encoder-based movement control device for sliding gates of up to 1,800 Kg and max 13 m / 42.65 ft in length.	£734.00
001**BKE-2200**	Automation system complete with control board, built-in radio decoder, encoder-based movement control device for sliding gates of up to 2,200 Kg and max 13 m / 42.65 ft in length.	£805.00
	230 - 400 V AC 3-phase sliding gate operator	
001**BK-2200T**	Operator for sliding gates of up to 2,200 Kg and max 23 m / 75.45 ft.	£581.00
	230 - 400 V AC 3-phase control panels	
002**ZT6**	Control panel with built-in radio decoder and auto-diagnosis of safety devices.	£283.00
002**ZT6C**	Control panel, complete with safety block and buttons, built-in radio decoder and auto-diagnosis of safety devices.	£376.00
	Accessories	
001**R001**	Lock cylinder with DIN key.	£19.00
001**B4353**	Chain transmission device.	£205.00
009**CCT**	1/2 in simple chain.	per m £13.00
009**CGIU**	Joint for 1/2 in chain.	£2.00
	Racks	
009**CGZ**	Galvanized rack in rolled steel 22 x 22 mm / 0.86” x 0.86”.	per m £19.00
009**CGZS**	Galvanized rack in rolled steel 30 x 8 mm / 1.18” x 0.31” with securing holes and distancers.	per m £21.00
009**CGZ6**	Galvanized rack in rolled steel 30 x 30 mm / 1.18” x 1.18”.	per m £42.00










Prices for complete BK Kits (with activation and safety accessories included) can be found on pages 58-59.

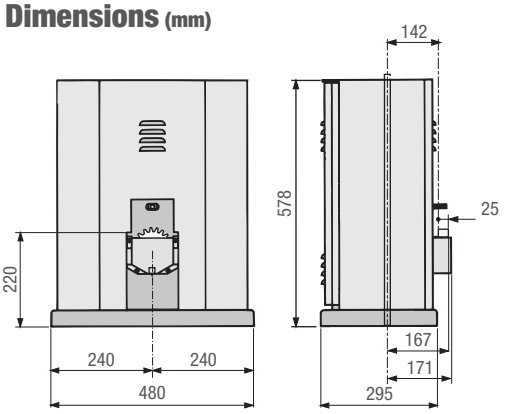
By-3500T

Sliding gates up to 3500 Kg

The ideal solution to apply to large gates and in intensive use situations

- For very large sliding gates.
- Can also control additional lighting of the passage area.
- Sturdy mechanics to ensure exceptional performance.
- Self-diagnosing safety devices.
- Powered by a tri-phase voltage to ensure greater thrust.

Dimensions (mm)



Limits to use

MODEL	BY-3500T
Max gate-leaf weight (Kg)	3,500
Max gate-leaf length (m/ft)	23 / 75.45
Pinion module (m)	6

● 230 - 400 AC 3-PHASE

Technical features

Type	BY-3500T
Protection rating IP	IP54
Power supply (V - 50/60 Hz)	230 - 400 AC 3-PHASE
Motor power supply (V - 50/60 Hz)	230 - 400 AC 3-PHASE
Current draw (A)	2
Power (W)	750
Manoeuvre speed (m/min - ft/min)	10.5/ 34.44
Duty cycle (%)	50
Thrust (N)	3500
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	150/302

● 230 - 400 AC 3-PHASE

The complete range

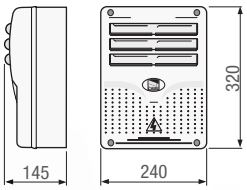
CAME

Code	Description	Price £ (Excl. VAT)
	230 - 400 V AC 3-phase sliding gate operator with control board	
001**BY-3500T**	Automation system complete with control board, built-in radio decoder and mechanical endstops for sliding gates of up to 3,500 Kg and max 23 m / 75.45 ft in length.	£1,750.00
	Cable collecting devices	
001**BRC15**	Power cable collecting device for safety sensitive edges for sliding gates of up to 15 m / 49.21 ft in length.	£633.00
001**BRCP**	Aluminium profile for extension L = 5.10 m / 16.4 ft to couple with a 001BRC15. Application example: on 15 m sliding gate set up 1 x 001BRC15 + 3 x 001BRCP.	£135.00
	Rack	
009**CGZ6**	Galvanized rack in rolled steel 30 x 30 mm / 1.18” x 1.18”.	per m £42.00

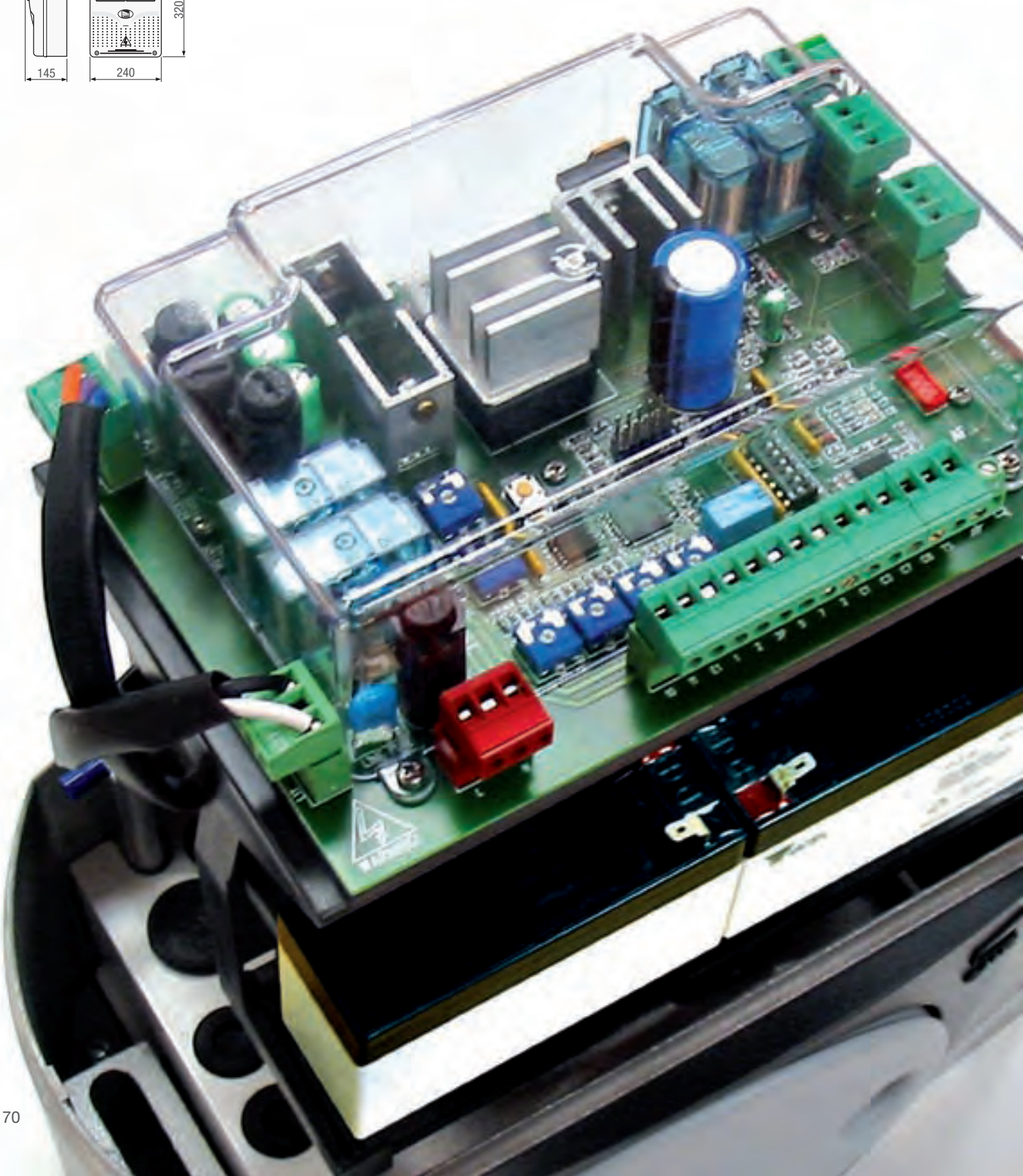
Electronic functions

The table shows all of the control panels features dedicated to sliding-gate operators.
Those highlighted in bold are important when choosing which automation to install and should be considered from the start.

Dimensions (mm)



002ZT6
002ZT6C



CAME

The models

Series	BX-243 BX-243C	BX-74 BX-78	BX-P	BX-246	BX-10	BK-800 BK-1200 BK-1800 BK-2200	BKE-1200 BKE-1800 BKE-2200	BK-1200P	BK-221	BK-2200T BY-3500T
Type	ZN2	ZBX74 ZBX-78	ZBX8	ZD2	ZBX10	ZBK	ZBKE	ZBK8	ZBK10	ZT6 ZT6C
SAFETY										
SELF-DIAGNOSIS of safety devices	●			●	●	●	●	●	●	●
Opening and closing PRE-FLASHING	●	●	●	●	●	●	●	●	●	●
RE-OPENING during closing	●	●	●	●	●	●	●	●	●	●
RE-CLOSING during opening	●	●		●	●	●	●		●	●
Obstacle STALL					●				●	
TOTAL STOP	●	●	●	●	●	●	●	●	●	●
PARTIAL STOP	●	●	●	●	●	●	●	●	●	●
OBSTACLE DETECTION in front of photocells	●	●	●	●	●	●	●	●	●	●
ENCODER	●						●			
MOVEMENT CONTROL and OBSTACLE DETECTION device		●		●	●				●	
AMPEROMETRIC DETECTION	●			●						
COMMAND										
1 leaf PEDESTRIAN OPENING										
1 leaf PARTIAL OPENING	●	●	●	●	●	●	●	●	●	●
OPEN ONLY from the transmitter and/or the button	●	●	●	●	●	●	●	●	●	●
OPEN ONLY or CLOSE ONLY button connection				●**	●	●	●	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or the button	●	●	●	●	●	●	●	●	●	●
OPEN-CLOSE-REVERSE from the transmitter and/or the button	●	●	●	●	●	●	●	●	●	●
MAINTAINED ACTION	●	●	●	●	●	●	●	●	●	●
1st leaf DELAYED OPENING										
2nd LEAF DELAYED CLOSING										
IMMEDIATE CLOSING										
EMERGENCY RELEASE from the transmitter			●					●		
FEATURES AND ADJUSTMENTS										
FLASHING LIGHT connection	●	●	●	●	●	●	●	●	●	●
CYCLE LAMP connection		●	●		●	●	●		●	●
COURTESY LAMP connection					●	●	●		●	●
Antenna	●	●	●	●	●	●	●	●	●	●
OPEN WARNING LIGHT connection	●	●	●	●	●	●	●	●	●	●
CLOSE WARNING LIGHT connection		●	●							●
Contact output for 2nd RADIO CHANNEL		●		●		●	●			●
RUNNING TIME adjustment					●				●	
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●	●	●	●	●
ELECTRO-LOCK/ELECTRO-RELEASE and/or RAM BLOW connection										
Adjustable AUTOMATIC RE-CLOSING TIME	●	●	●	●	●	●	●	●	●	●
OPENING and/or CLOSING slow-down	●	●		●	●				●	
EMERGENCY BATTERY operation (option)	●			●						
MASTER-SLAVE						●	●			●
Adjustable RUNNING and SLOW-DOWN SPEED	●	●*		●	●*				●*	
Signalling DISPLAY					●				●	
Electronic BRAKE		●		●	●	●	●		●	●
Opening and closing endstop SELF-LEARNING										

● 230 - 400 AC 3-PHASE - ● 230 V AC - ● 24 V DC INTENSIVE USE

NOTE:
*** For 001BX-10 - 001BX-74 - 001BX-78 and 001BK-221 only slow-down speed.**
**** For 001BX-246 ONLY OPEN function.**

Automation for:
PARKING BARRIERS

Index

CAME

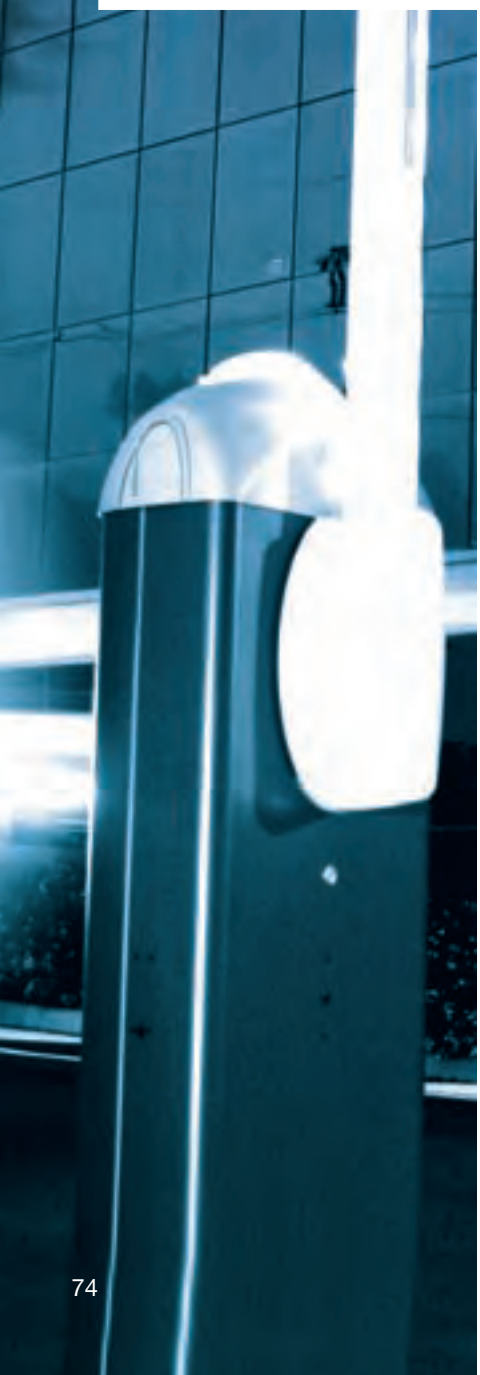
Your selection guide

Parking barriers

The table below summarises both the series and models with their maximum limits, based on the max road width.

Series	Model	Max road width (m/ft)
Gard	G2500	2.5m / 8.2ft
Gard 3	G3000DX	2.75m / 9ft
	G3000IDX	
	G3000SX	
	G3000ISX	
Gard	G3750	3.75m / 12.3ft
	G3751	
Gard 4	G4040Z	
	G4040IZ	
Gard	G6500	6.5m / 22ft
	G6501	
Gard 8	G2080Z	7.6m / 25ft
	G2080IZ	
Gard 12	G12000	12m / 40ft

● 230 V AC - ● 24 V DC INTENSIVE USE



24 V DC motors
are specifically designed for intensive use and are guaranteed to work even during power cuts.

Parking barriers

Single Barrier
FOR RESIDENTIAL USE

To manage small apartment block parking lots with a small number of vehicle transit.
Series: Gard - Gard 3 - Gard 4

Single or double barrier
FOR INTENSIVE USE

To manage intensively used parking lots such as in companies.
Series: Gard - Gard 3 - Gard 4 - Gard 8

Barrier
FOR PAY-TO-PARK FACILITIES

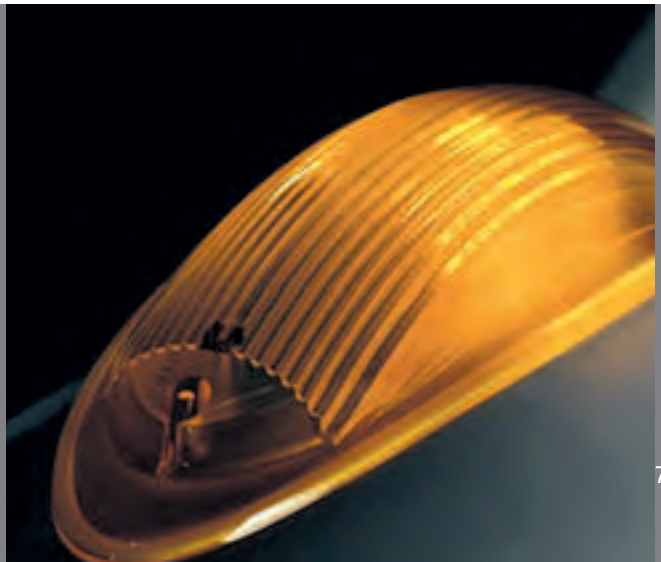
A simple, practical solution to manage pay-to-park facilities.
Series: Gard, Gard 3

Barrier for LARGE PASSAGEWAYS

To manage passages used by exceptional vehicles.
Series: Gard 12

The flashing light: for added safety

The Gard 4 and Gard 8 barriers are designed to take the dome flashing light which warns when the bar is in movement, thus guaranteeing greater safety for those using the passageway. The Gard series barriers are made to fit the Kiaro series flashing light.



European Norms

An example of a European Regulation-compliant standard installation

Installation:
ON PUBLIC PREMISES
The system is installed in a public area or bordering with a public area.

User Type:
TRAINED
The system is activated only by users trained to use the automation.

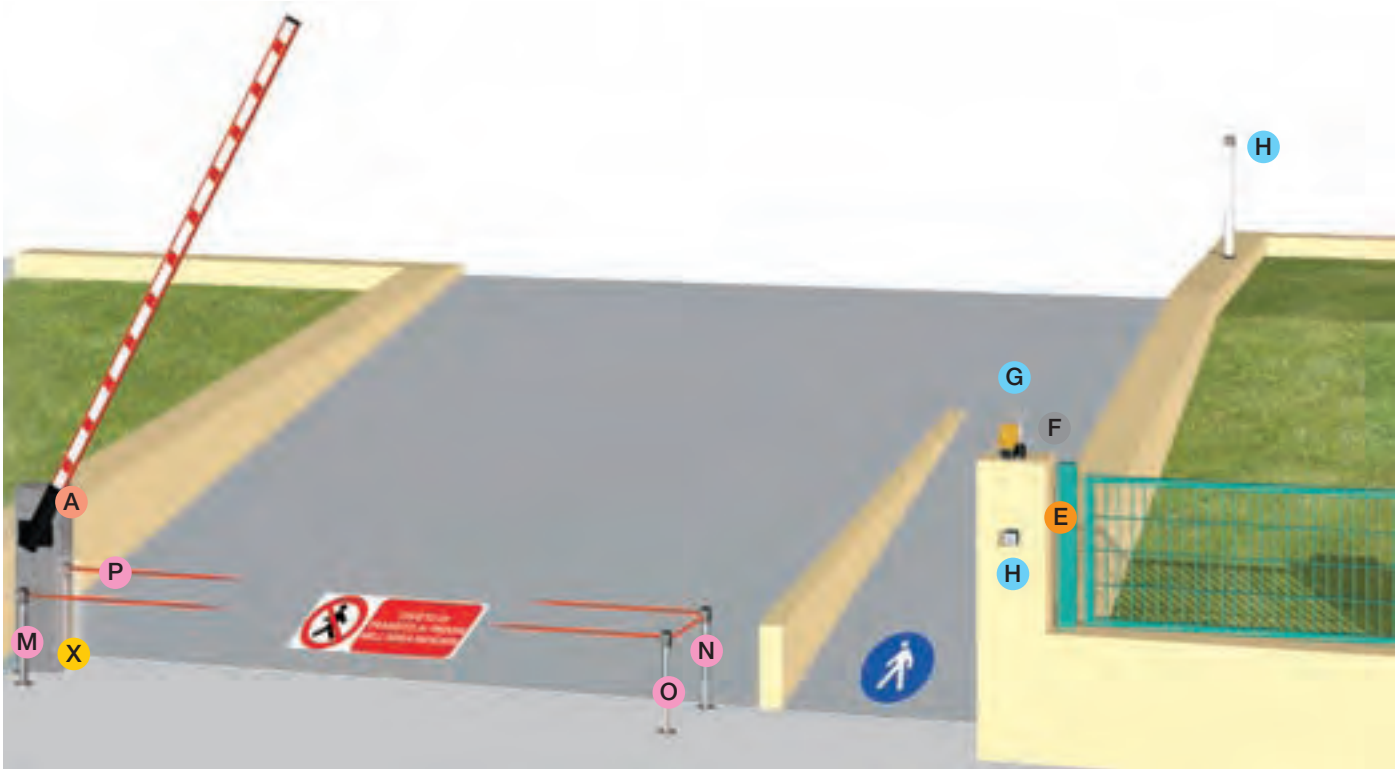
Standard command type:
RADIO COMMAND
It allows the system control either by remote or fixed device impulses.

Solutions for a safe installation:
INFRARED-BEAM PHOTOCELLS
The photocells can be installed directly onto the barrier cabinet.

The pedestrian passage

If the barrier is exclusively meant for vehicle transit control, any pedestrian transit must take place in a separately indicated area. However, CAME offers a wide range of safety devices that guarantee peace-of-mind when using the installation even in case unauthorised pedestrians go through the area in which the bar is in movement.

RESIDENTIAL use



The products

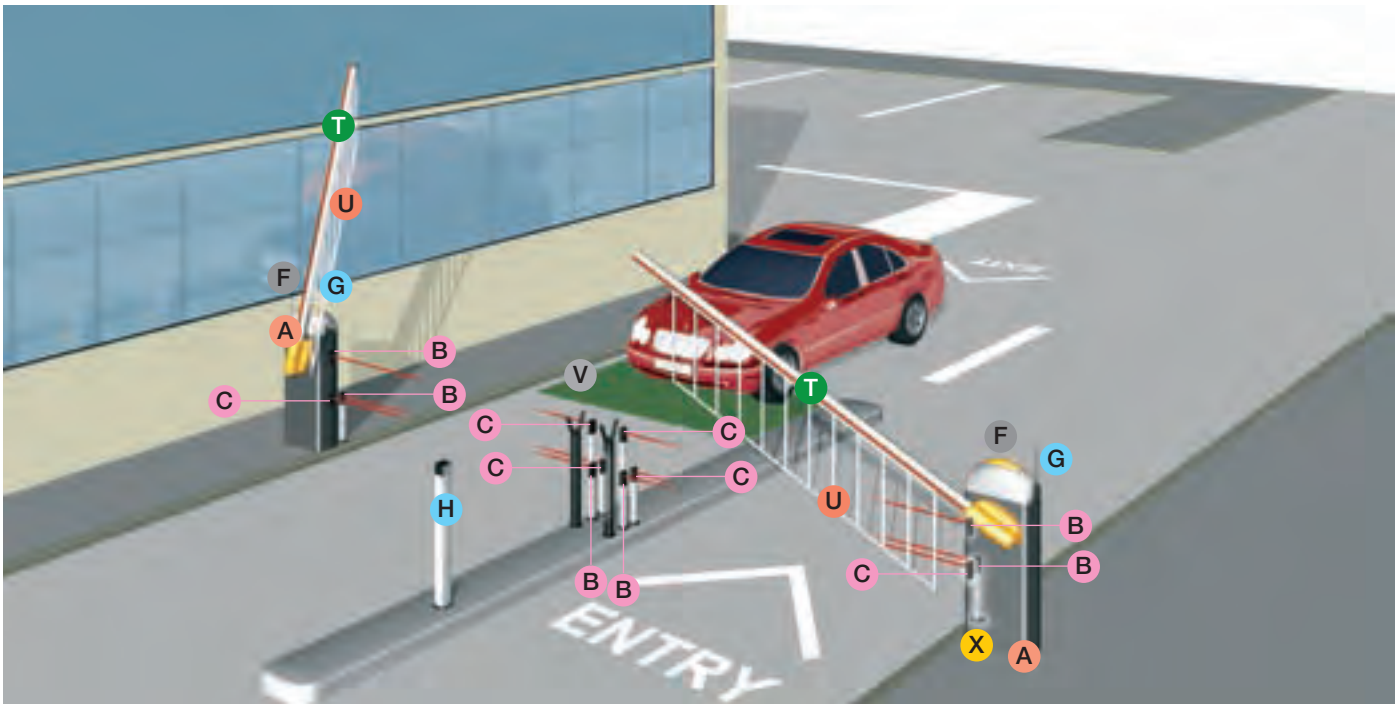
- A Barrier
- F Flashing light
- G Antenna
- H Command switch (key – code – card or transponder keyfob)
- M TX cordless photocells
- N TX/RX cordless photocells or TX photocells
- O RX/TX cordless photocells or RX photocells
- P RX cordless photocells
- X Radio receiver

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

INTENSIVE use



The products

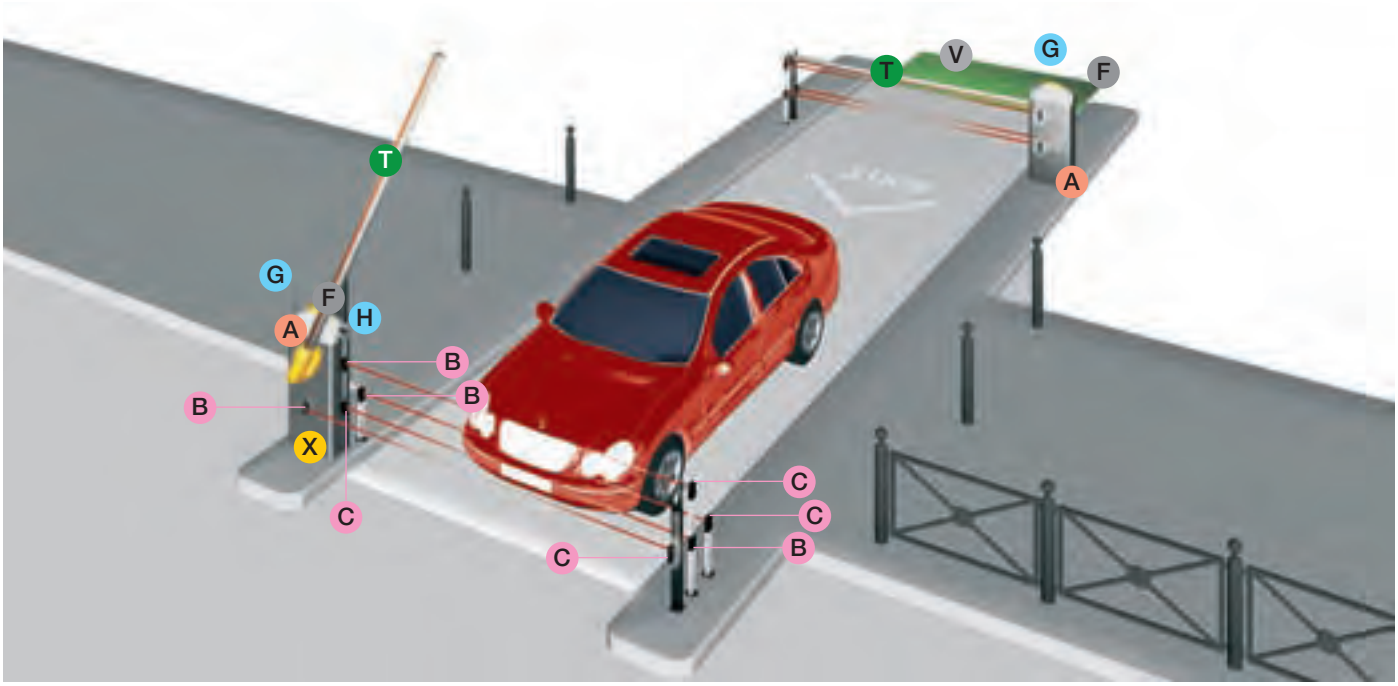
- A Barrier
- B TX photocells
- C RX photocells
- F Flashing light
- G Antenna
- H Command switch
  (key – code – card or transponder keyfob).
- T Boom with luminous cord
- X Radio receiver
- U Rack
- V Metal mass detection sensor

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

PARKING FACILITY use



The products

- A Barrier
- B TX photocells
- C RX photocells
- F Flashing light
- G Antenna
- H Command switch
  (key – code – card or transponder keyfob).
- T Boom with luminous cord
- X Radio receiver
- V Metal mass detection sensor

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

Complete kits

CAME

GARD2S kit

Complete 230V A.C. barrier kit for road widths of up to 2.5 metres

Price € 1,131.00
(Excl. VAT)

2.5m

	Qty
001**G2500** Barrier unit with control panel	1
001**G0251** Aluminium bar. 2.7m long	1
001**G0461** Red phosphorescent strips	1

	Qty
001**DELTA-SI** Pair flush mount photocells	1
001**DOC-LN** Column for photocell (black)	1

GARD4S kit

Complete 24V D.C. barrier kit with *square* barrier arm. For road widths of up to 4 metres

Price € 1,205.00
(Excl. VAT)

4m

	Qty
001**G4000** Barrier unit with control panel	1
001**G0401** Aluminium bar. 4.2m long	1
001**G0461** Red phosphorescent strips	1

	Qty
001**DELTA-SI** Pair flush mount photocells	1
001**DOC-LN** Column for photocell (black)	1

NOTE: In areas that may be subject to windy conditions we strongly recommend that this square arm kit is NOT installed. Please choose the tubular arm version (below) instead.

GARD4T kit

Complete 24V D.C. barrier kit with *tubular* barrier arm. For road widths of up to 4 metres

Price € 1,269.00
(Excl. VAT)

4m

	Qty
001**G4000** Barrier unit with control panel	1
001**G0402** Aluminium bar. 4.2m long	1
001**G0405** Fitting for G0402 bar	1

	Qty
001**DELTA-SI** Pair flush mount photocells	1
001**DOC-LN** Column for photocell (black)	1
001**G0461** Red phosphorescent strips	1

Gard technical specification & operational limits for all kits on these pages can be found on page 86.

Complete kits

CAME

GARD6S kit

Complete 24V D.C. barrier kit with *square* barrier arm. For road widths of up to 6.5 metres

Price € 1,547.00
(Excl. VAT)

6.5m

	Qty
001**G6000** Barrier unit with control panel	1
001**G0601** Aluminium bar. 6.8m long	1
001**G0461** Red phosphorescent strips	1

	Qty
001**DELTA-I** Pair flush mount photocells	1
001**DOC-LN** Column for photocell (black)	1

NOTE: In areas that may be subject to windy conditions we strongly recommend that this square arm kit is NOT installed. Please choose the tubular arm version (below) instead.

GARD6T kit

Complete 24V D.C. barrier kit with *tubular* barrier arm. For road widths of up to 6.5 metres

Price € 1,729.00
(Excl. VAT)

6.5m

	Qty
001**G6000** Barrier unit with control panel	1
001**G0602** Aluminium bar. 6.8m long	1
001**G0605** Fitting for G0602 bar	1

	Qty
001**DELTA-I** Pair flush mount photocells	1
001**DOC-LN** Column for photocell (black)	1
001**G0461** Red phosphorescent strips	1

NOTE: For greater flexibility, no activation accessories are included in these standard kits.
All barrier kits can be controlled using any of the standard CAME accessories, including PS parking systems, digital keypads, radio remote controls and magnetic induction loops.

Complete kits

Technical specification & operational limits for all kits on this page can be found on pages 88 and 90 for Gard3 and Gard4 respectively.

For balancing spring types see bar assembly and balancing table.

CAME

G324VST 24v kit

Standard 24V D.C. Gard3 barrier kit for road widths of up to 2.75 metres

Price £ 1,806.00 (Excl. VAT)

Note: *This kit will incur a £50 nett carriage charge. Delivery directly from CAME UK*

2.75m

	Qty
001**G3000DX (or SX)** 24v barrier unit with built-in control panel - 001**ZL30**	1

	Qty
001**G03002** Aluminium bar. 3m long	1
001**G02040** 40mm balancing spring (Green)	1
001**G03004** Bar fitting and plastic cover	1

G324VDX 24v kit

Deluxe 24V D.C. Gard3 barrier kit for road widths of up to 2.75 metres

Price £ 1,971.00 (Excl. VAT)

Note: *This kit will incur a £50 nett carriage charge. Delivery directly from CAME UK*

2.75m

	Qty
001**G3000DX (or SX)** 24v barrier unit with built-in control panel - 001**ZL30**	1
001**G03001** 3m barrier arm with soft profile	1
001**G04060** 40mm balancing spring (Green)	1
001**G02807** Fixed support for bar	1

	Qty
001**G02801** Flashing light	1
001**DELTA-SI** Pair of safety photocells	1
001**G02802** Support bracket for photocells	1
001**G03004** Bar fitting and plastic cover	1

G424VST 24v kit

Standard 24V D.C. Gard4 barrier kit for road widths of up to 3.75 metres

Price £ 1,340.00 (Excl. VAT)

Note: *This kit will incur a £50 nett carriage charge. Delivery directly from CAME UK*

3.75m

	Qty
001**G4040Z** 24v barrier unit with built-in control panel - 001**ZL38**	1

	Qty
001**G03752** Aluminium bar. 4m long	1
001**G06080** 55mm balancing spring (RED)	1

G424VDX 24v kit

Deluxe 24V D.C. Gard4 barrier kit for road widths of up to 3.75 metres

Price £ 1,633.00 (Excl. VAT)

Note: *This kit will incur a £50 nett carriage charge. Delivery directly from CAME UK*

3.75m

	Qty
001**G4040Z** 24v barrier unit with built-in control panel - 001**ZL38**	1
001**G03750** 4m barrier arm with soft profile	1
001**G06080** 55mm balancing spring (RED)	1
001**G02807** Fixed support for bar	1
001**G02809** Pack of 20 red sticker strips	1

	Qty
001**G02801** Flashing light	1
001**DIR10** Pair of safety photocells	1
001**G02802** Support bracket for photocells	1
001**G02803** Lighting strip for bar	9m
001**G02804** Lighting strip cable	1

Certain items listed in the kits on these pages, namely control board, remote controls or safety photocells, may be substituted without prior notice for a comparative alternative if the advertised item code is temporarily out of stock.

Complete kits

Technical specification & operational limits for all kits on this page can be found on pages 94.

For balancing spring types see bar assembly and balancing table.

CAME

G624VST 24v kit

Standard 24V D.C. Gard8 barrier kit for road widths of up to 5.6 metres

Price £ 1,670.00 (Excl. VAT)

Note: *This kit will incur a £50 nett carriage charge. Delivery directly from CAME UK*

5.6m

	Qty
001**G2080Z** 24v barrier unit with built-in control panel - 001**ZL38**	1
001**G06000** Aluminium bar. 6m long	1

	Qty
001**G02807** Fixed support for bar	1
001**G06080** 55mm balancing spring (RED)	1
001**G04060** 50mm balancing spring (GREEN)	1

G624VDX 24v kit

Deluxe 24V D.C. Gard8 barrier kit for road widths of up to 5.6 metres

NOTE: Battery back-up is also available for this kit.

Price £ 1,899.00 (Excl. VAT)

Note: *This kit will incur a £50 nett carriage charge. Delivery directly from CAME UK*

5.6m

	Qty
001**G2080Z** 24v barrier unit with built-in control panel - 001**ZL38**	1
001**G06000** Aluminium bar. 6m long	1
001**G06080** 55mm balancing spring (RED)	1
001**G04060** 50mm balancing spring (GREEN)	1
001**G02807** Fixed support for bar	1

	Qty
001**G02809** Packs of 20 red sticker strips	2
001**DIR10** Pair of safety photocells	1
001**G02802** Support bracket for photocells	1
001**G02803** Lighting strip for bar	13m
001**G02804** Lighting strip cable	1
001**G02801** Flashing light	1

G824VST 24v kit

Standard 24V D.C. Gard8 barrier kit for road widths of up to 7.6 metres

Price £ 1,790.00 (Excl. VAT)

Note: *This kit will incur a £50 nett carriage charge. Delivery directly from CAME UK*

7.6m

	Qty
001**G2080Z** 24v barrier unit with built-in control panel - 001**ZL38**	1
001**G04000** Aluminium bar. 4m sections	2

	Qty
001**G02807** Fixed support for bar	1
001**G06080** 55mm balancing spring (RED)	2
001**G06803** Arm section connecting joint	1

G824VDX 24v kit

Deluxe 24V D.C. Gard8 barrier kit for road widths of up to 7.6 metres

NOTE: Battery back-up is also available for this kit.

Price £ 2,030.00 (Excl. VAT)

Note: *This kit will incur a £50 nett carriage charge. Delivery directly from CAME UK*

7.6m

	Qty
001**G2080Z** 24v barrier unit with built-in control panel - 001**ZL38**	1
001**G04000** Aluminium bar. 4m sections	2
001**G06080** 55mm balancing spring (RED)	2
001**G06803** Arm section connecting joint	1
001**G02807** Fixed support for bar	1

	Qty
001**G02809** Packs of 20 red sticker strips	2
001**DIR10** Pair of safety photocells	1
001**G02802** Support bracket for photocells	1
001**G02803** Lighting strip for bar	17m
001**G02804** Lighting strip cable	1
001**G02801** Flashing light	1

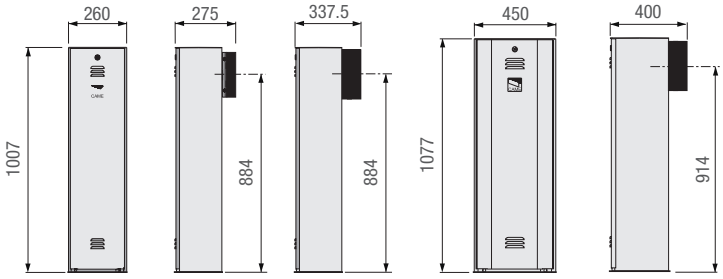
Gard

Road widths of up to 6.5 m / 21.30 ft

The ideal solution for medium-to-large transit in apartment blocks and industrial facilities

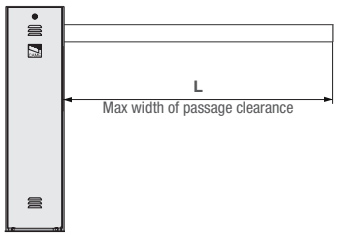
- Ideal for both private and public parking facilities.
- The model for passageways of up to 2.5 m / 8.20 ft (001G2500) is available in 230 V AC, while the models for passageways of up to 3.75 m / 12.30 ft (001G3750 e 001G3751) and up to 6.5 m / 21.32 ft (001G6500 e 001G6501) are in 24 V DC.
  Also available is the AISI 304 steel version.
- They can be installed either right or left and mounting the barriers is very simple, practical and quick.
- Depending on customer needs, there is a truly complete range of system customisation accessories and such a choice of safety accessories to provide total peace of mind for the user.
- The special joint-arm means the barrier can be installed even when height/clearance is an issue, like in underground parking facilities.

Dimensions (mm)



G2500 G3750 G3751 | G2500 | G3750 G3751 | G6500 G6501 | G6500 G6501

Application



Limits to use

MODEL	G6500 - G6501	G3750 - G3751	G2500
Max width of passage clearance (m/ft)	6.5/21.30	3.75/12.30	2.5/8.2

● 230 V AC ● 24 V DC

Technical features

Type	G6500 - G6501	G3750 - G3751	G2500
Protection rating IP	IP54	IP54	IP54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	24 DC	24 DC	230 AC
Current draw (A)	15 MAX	15 MAX	1
Power (W)	300	300	120
90° opening time° (s)	4 ÷ 8	2 ÷ 6	2
Duty cycle (%)	INTENSIVE USE	INTENSIVE USE	30
Torque (Nm)	600	200	70
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-	-	150/302

● 230 V AC ● 24 V DC

The G2500 range max road width 2.5 m /8.2 ft

CAME

Code	Description	Price £ (Excl. VAT)
	230 V AC barrier with operator and built-in control panel	
001**G2500**	Barrier in galvanised and painted steel.	£870.00
	Accessories for: 001G2500	
001**G0251**	White painted aluminium bar. Section: 60 x 40 x 2700 mm / 2.36” x 1.57” x 106.29”.	£45.00
001**G0461**	Pack of 24 red adhesive refracting strips.	£18.00
001**G0257**	Joint for bar.	£174.00
001**G0462**	Fixed support for bars.	£69.00




Prices for complete GARD Kits (with photocells and barrier arm included) can be found on pages 80-81.

Boom assembly and balancing springs for 001G3750 - 001G3751

MODEL: 🟡 001G02040 Ø 40 mm / 1.57” springs - 🟢 001G04060 Ø 50 mm / 1.96” springs - 🔴 001G06080 Ø 55 mm / 2.16” springs

BOOM COMPOSITION	PASSAGE WIDTH (m/ft) 1.5 / 4.92	1.75 / 5.74	2 / 6.56	2.25 / 7.38	2.5 / 8.20	2.75 / 9.02	3 / 9.84	3.25/10.66	3.5/11.48	3.75/12.30
Boom and shock-resistant profile	🟡	🟡	🟡	🟡	🟡	🟢	🟢	🟢	🔴	🔴
Boom with shock-resistant profile and luminous cord 001G28401	🟡	🟡	🟡	🟢	🟢	🟢	🟢	🟢	🔴	🔴
Boom with rack 001G0465	🟡	🟢	🟢	🟢	🟢	🟢	🔴	🔴		
Boom with luminous cord 001G28401 and rack 001G0465	🟡	🟢	🟢	🟢	🟢	🟢	🔴	🔴		
Boom with shock-resistant profile and mobile support 001G02808	🟡	🟢	🟢	🟢	🟢	🟢	🔴			
Boom with shock-resistant profile, luminous cord 001G28401 and mobile support 001G02808	🟡	🟢	🟢	🟢	🟢	🟢	🔴			

Boom assembly and balancing springs for 001G6500 - 001G6501

MODEL: 🟡 001G02040 Ø 40 mm / 1.57” springs - 🟢 001G04060 Ø 50 mm / 1.96” springs - 🔴 001G06080 Ø 55 mm / 2.16” springs

BOOM COMPOSITION	PASSAGE WIDTH (m/ft) 2 / 6.56	2.5 / 8.20	3 / 9.84	3.5 / 11.48	4 / 13.12	4.5 / 14.76	5 / 16.40	5.5 / 18.04	6.5 / 21.30
Simple bar	🟡	🟡	🟡	🟡🟡	🟢	🟡🟢	🟡🟢	🟢🟢	🟢🟢
Simple bar and mobile support 001G02808	🟡	🟡	🟡🟡	🟡🟡	🟡🟢	🟡🟢	🟢🟢	🟢🟢	🔴🟢
Simple bar and luminous cord 001G28401	🟡	🟡	🟡🟡	🟡🟡	🟡🟢	🟡🟢	🟢🟢	🟢🟢	🔴🟢
Simple bar, mobile support 001G02808 and luminous cord 001G28401	🟡	🟡🟡	🟡🟡	🟢	🟡🟢	🟢🟢	🟢🟢	🔴🟢	🔴🔴
Simple bar and rack 001G0465	🟡	🟡	🟡🟡	🟢	🟡🟢	🟢🟢	🟢🟢	🔴🟢	🔴🟢
Simple bar, rack 01G0465 and luminous cord 001G28401	🟡	🟡🟡	🟡🟡	🟡🟢	🟡🟢	🟢🟢	🟢🟢	🔴🟢	🔴🔴

WARNING: RESPECT THE LIMITS OF USE DETAILED IN THE CATALOGUE

001G0468 Not usable with barriers featuring bars fitted with the 001G0465 aluminium rack or 001G02808 mobile support.
001G02808 MUST be used on barrier bars with passage clearance widths of up to 3 m maximum.
001G03756 MUST be used on barrier bars with passage clearance widths greater than 3 m, fitted with the 001G28401 luminous cord.
MUST be used on barrier bars with passage clearance widths greater than 2.5 m, fitted with the 001G02808 mobile support or with the 001G0465 aluminium rack.
001G02807 MUST be used on barrier bars with passage clearance widths greater than 3 m.
001G0465 - 001G02808 They cannot be used together.

The complete range max road widths 3.75 - 6.5 m / 12 - 22 ft

Code	Description	Price £ (Excl. VAT)
	24 V DC barriers with operator and built-in control panel	
001**G3750** 24	Galvanised and painted steel barrier fitted to take additional accessories.	**£1086.00** NEW
001**G3751** 24	AISI 304 stainless steel barrier with satin finish fitted to take additional accessories.	**£1540.00** NEW
	Accessories for: 001G3750 - 001G3751	
001**G03750**	White painted semi-elliptic tubular aluminium bar L = 4 m / 13.12 ft, with slot-cover and shock-resistant profile.	**£141.00**
001**G0402**	White painted tubular aluminium bar Ø 60 mm / 2.36” L = 4,200 mm / 13.78 ft.	**£63.00**
	Accessories for: 001G03750	
001**G03756**	Inner reinforcement support for semi-elliptic tubular aluminium bar.	**£12.00** NEW
001**G03755DX**	Joint for semi-elliptic tubular aluminium bar. For right-hand barrier.	**£250.00**
001**G03755SX**	Joint for semi-elliptic tubular aluminium bar. For left-hand barrier.	**£250.00**
	24 V DC barriers with operator and built-in control panel	
001**G6500** 24	Galvanised and painted steel barrier fitted to take additional accessories.	**£1360.00** NEW
001**G6501** 24	AISI 304 stainless steel barrier with satin finish fitted to take additional accessories.	**£2086.00** NEW
	Accessories for: 001G6500 - 001G6501	
001**G0602**	White painted tubular bar Ø 100 mm / 3.93” L = 6.85 m / 22.47 ft.	**£162.00**
001**G06850**	White painted tubular bar Ø 100 mm / 3.93” L = 6.85 m / 22.47 ft with slot cover and impact-resistant profile.	**£230.00**











The complete range max road widths 3.75 - 6.5 m / 12 - 22 ft

CAME

Code	Description	Price £ (Excl. VAT)	
	Accessories for: 001G03750 - 001G06850		
001**G028401**	Luminous cord for bars.	£8.00 per metre	
001**G028402**	Luminous cord cable.	£9.50	
	Accessories for: 001G3750 - 001G3751 - 001G6500 - 001G6501		
002**LB38**	Card for connecting three 12 V - 7 Ah emergency batteries.	£46.00	
	Accessories for balancing (see BOOM ASSEMBLY AND BALANCING SPRINGS table)		
001**G02040**	Balancing spring Ø 40 mm / 1.57”.	£43.00	
001**G04060**	Balancing spring Ø 50 mm / 1.96”.	£55.00	
001**G06080**	Balancing spring Ø 55 mm / 2.16”.	£65.00	
	Accessories		
001**G0465**	Painted aluminium rack for bars (2 m / 6.56 ft modules).	£128.00	
001**G02807**	Fixed support for bars.	£74.00	
001**G02808**	Mobile support for bars.	£71.00	
001**G02809**	Package of 20 x red adhesive refracting strips.	£21.00	
001**G0468**	Support for applying 001DELTA-I and 001DELTA-SI photocells on the cabinet.	£18.00	
001**G04601**	Adapter for application of the Kiaro series flashing lights (it matches the KIAROS support).	£10.00	

Prices for complete GARD Kits (with photocells and barrier arm included) can be found on pages 80 -81.

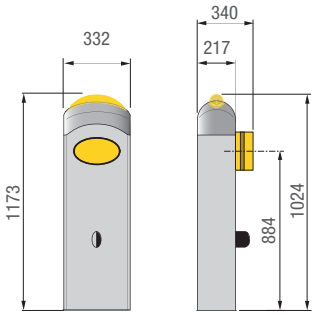
Gard 3

Road widths of up to 2.75 m / 9 ft

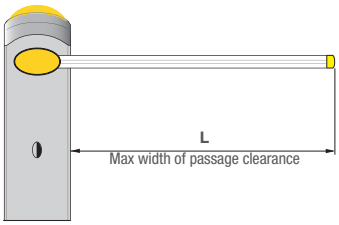
The ideal solution for intensive or vehicle transit

- A modern style barrier, with perfect aesthetics. Suited to any applicative setting.
- The LED dome-shaped flashing light, that provides long-lasting safety and durability, and the photocells that can be integrated into the cabinet.
- The protective casing shields the bar movement from shearing when opening and closing.
- Powered by 24 V DC, it is the ideal choice for intensive duty.

Dimensions (mm)



Application



Limits to use

MODEL	001G3000DX - 001G3000SX - 001G3000IDX - 001G3000ISX
Max width of passage clearance (m/ft)	2.75 / 9.02

● 24 V DC

Technical features

Type	001G3000DX - 001G3000SX - 001G3000IDX - 001G3000ISX
Protection rating IP	IP54
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 DC
Current draw (A)	15 MAX
Power (W)	300
90° opening time° (s)	1.4
Duty cycle (%)	INTENSIVE USE
Torque (Nm)	200
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-

● 24 V DC

The complete range

Code	Description	Price £ (Excl. VAT)
	24 V DC barriers with operator and built-in control panel	
001**G3000DX**	Galvanised and painted steel barrier fitted to take additional accessories.	£1650.00
001**G3000SX**	Zinc galvanised steel barrier fitted to take additional accessories.	£1650.00
001**G3000IDX**	AISI 304 stainless steel barrier with satin finish fitted to take additional accessories.	£2450.00
001**G3000ISX**	AISI 304 stainless steel barrier with satin finish fitted to take additional accessories.	£2450.00
	Accessories	
001**G03750**	White painted semi-elliptic tubular aluminium bar with slot cover and impact-resistant profiles. Complete with reflective, red adhesive stickers. L = 3 m / 9.84 ft.	£141.00
001**G03002**	White painted tubular aluminium bar Ø 60 mm. Complete with reflective, red adhesive stickers. L = 3 m / 9.84 ft.	£75.00
	Accessories for 001G03001	
001**G04060**	Balancing spring Ø 50 mm / 1.57”.	£55.00
001**G03003**	Bar fitting for semi-elliptic tubular bar and plastic cover.	£64.00
	Accessories for 001G03002	
001**G02040**	Balancing spring Ø 40 mm / 1.57”.	£43.00
001**G03004**	Bar fitting for Ø 60 mm tubular bar and plastic cover.	£56.00
	Accessories 001G03002 (without 001G02807)	
001**G03000**	Break-away bar fitting.	£280.00
	Accessories	
001**G02801**	Dome-shaped flashing light.	£35.00
001**G02802**	Support for DIR photocell.	£12.00
001**G02807**	Fixed support for bars.	£74.00











Prices for complete GARD3 Kits (with barrier arm and accessories included) can be found on page 82.

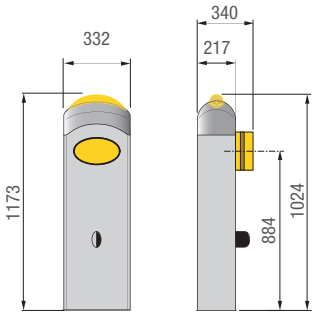
Gard 4

Road widths of up to 3.75 m / 12.30 ft

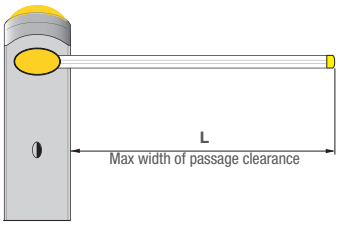
The ideal solution for intensive or vehicle transit

- A modern style barrier, with perfect aesthetics. Suited to any applicative setting.
- The LED dome-shaped flashing light, that provides long-lasting safety and durability, and the photocells that can be integrated into the cabinet.
- The protective casing shields the bar movement from shearing when opening and closing.
- Powered by 24 V DC, it is the ideal choice for intensive duty.

Dimensions (mm)



Application



Limits to use

MODEL	G4040Z - G4040IZ
Max width of passage clearance (m/ft)	3.75/12.30

● 24 V DC

Technical features

Type	G4040Z - G4040IZ
Protection rating IP	IP54
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 DC
Current draw (A)	15 MAX
Power (W)	300
90° opening time° (s)	2 ÷ 6
Duty cycle (%)	INTENSIVE USE
Torque (Nm)	200
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-

● 24 V DC

The complete range

Code	Description	Price £ (Excl. VAT)
	24 V DC barriers with operator and built-in control panel	
001**G4040Z**	Galvanised and painted steel barrier fitted to take additional accessories.	£**1190.00**
001**G4040IZ**	AISI 304 stainless steel barrier with satin finish fitted to take additional accessories.	£**2055.00**
	Accessories for: 001G4040Z - 001G4041Z	
002**LB38**	Card for connecting three 12 V - 7 Ah emergency batteries.	£**46.00**

Prices for complete GARD4 Kits (with barrier arm and accessories included) can be found on page 82.

The jointed ARM

The special accessory for semi-elliptic tubular bars means you can install the CAME barrier even when ceiling heights are too low for straight-bar barriers, such as in underground parking facilities.

In stainless STEEL

The Gard 4 barrier is also available in AISI 304 steel suitable for installation in harsh environments.

Easy MAINTENANCE

The control panel is located horizontally, atop the cabinet. So, it's easy to get to, making scheduled maintenance simple and quick.

Boom assembly and balancing springs

MODEL — 🟡 001G02040 Ø 40 mm / 1.57" springs - 🟢 001G04060 Ø 50 mm / 1.96" springs - 🔴 001G06080 Ø 55 mm / 2.16" springs

	PASSAGE WIDTH (m/ft)									
BOOM COMPOSITION	1.5 / 4.92	1.75 / 5.74	2 / 6.56	2.25 / 7.38	2.5 / 8.20	2.75 / 9.02	3 / 9.84	3.25 /10.66	3.5 / 11.48	3.75/12.30
Boom and shock-resistant profile	🟡	🟡	🟡	🟡	🟡	🟢	🟢	🟢	🔴	🔴
Boom with shock-resistant profile and luminous cord 001G28401	🟡	🟡	🟡	🟢	🟢	🟢	🟢	🟢	🔴	🔴
Boom with rack 001G0465	🟡	🟢	🟢	🟢	🟢	🟢	🔴	🔴		
Boom with luminous cord 001G28401 and rack 001G0465	🟡	🟢	🟢	🟢	🟢	🟢	🔴	🔴		
Boom with shock-resistant profile and mobile support 001G02808	🟡	🟢	🟢	🟢	🟢	🟢	🔴			
Boom with shock-resistant profile, luminous cord 001G28401 and mobile support 001G02808	🟡	🟢	🟢	🟢	🟢	🟢	🔴			

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	Accessories for balancing (see BOOM ASSEMBLY AND BALANCING SPRINGS table)	
001**G02040**	Balancing spring Ø 40 mm / 1.57”.	£43.00
001**G04060**	Balancing spring Ø 50 mm / 1.96”.	£55.00
001**G06080**	Balancing spring Ø 55 mm / 2.16”.	£65.00
	Accessories	
001**G02801**	Dome-shaped flashing light.	£35.00
001**G02802**	Support for series Dir photocells.	£12.00
001**G03751**	Emergency battery rack.	£32.00
001**G03750**	White painted semi-elliptic tubular aluminium bar with slot cover and impact-resistant profiles. L = 4 m / 13.12 ft.	£141.00
001**G03752**	White painted elliptic tubular aluminium bar with slot cover profile L = 4 m / 13.12 ft.	£98.00
001**G028401**	Luminous cord for bars.	£8.00 per metre
001**G028402**	Luminous cord cable.	£9.50
001**G0465**	Painted aluminium rack for bar (2 m / 6.56 ft modules).	£128.00
001**G02807**	Fixed support for bars.	£74.00
001**G02808**	Mobile support for bars.	£71.00
001**G02809**	Package of 20 x red adhesive refracting strips.	£21.00
	Accessories for: 001G03750	
001**G03756**	Inner reinforcement support for semi-elliptic tubular aluminium bar.	£12.00
001**G03755DX**	Joint for semi-elliptic tubular aluminium bar. For right-hand barrier.	£250.00
001**G03755SX**	Joint for semi-elliptic tubular aluminium bar. For left-hand barrier.	£250.00
	Accessories for: 001G03752	
001**G03753**	Securing flange for elliptic tubular bar.	£22.00



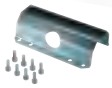








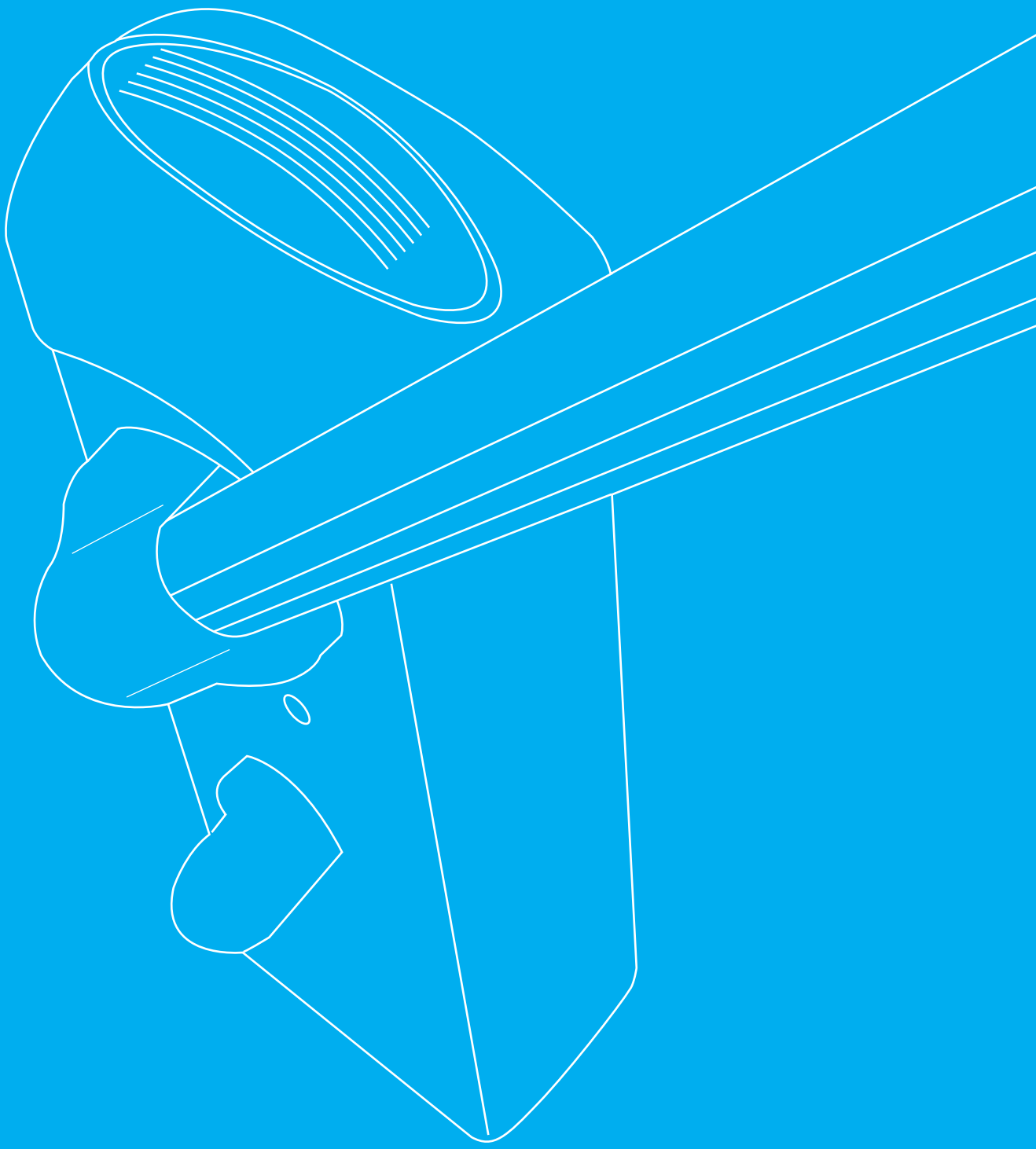


WARNING: RESPECT THE LIMITS OF USE DETAILED IN THE CATALOGUE

001G02802 Not usable with barriers featuring bars fitted with the 001G0465 aluminium rack or 001G02808 mobile support.
001G02808 MUST be used on barrier bars with passage clearance widths of up to 3 m maximum.
001G03756 MUST be used on barrier bars with passage clearance widths greater than 3 m, fitted with the 001G28401 luminous cord.
MUST be used on barrier bars with passage clearance widths greater than 2.5 m, fitted with the 001G02808 mobile support or with the 001G0465 aluminium rack.
001G02807 MUST be used on barrier bars with passage clearance widths greater than 3 m.
001G0465 - 001G02808 They cannot be used together.

CAME



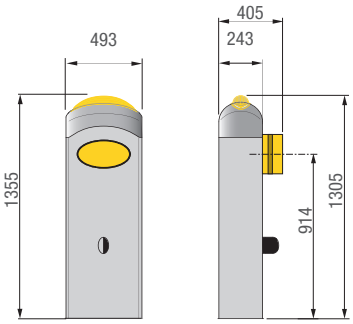
Gard 8

Road widths of up to 7.6 m / 25 ft

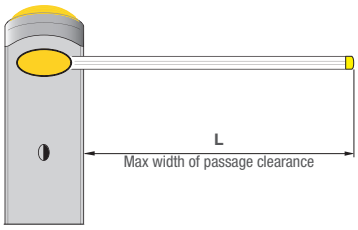
The ideal solution for large road widths in apartment blocks and industrial facilities

- This barrier is both modern and aesthetically pleasing.
- The LED dome-shaped flashing light - that provides long-lasting safety and durability - and the photocells that can be integrated into the cabinet.
- The protective casing shields the bar's movement from shearing when opening and closing.
- Powered by 24 V DC, it is the ideal choice for intensive duty.

Dimensions (mm)



Application



Limits to use

MODEL	G2080Z - G2080IZ
Max width of passage clearance (m/ft)	7.6 / 25

● 24 V DC

Technical features

Type	G2080Z - G2080IZ
Protection rating IP	IP54
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 DC
Current draw (A)	15 MAX
Power (W)	300
90° opening time° (s)	4 ÷ 8
Duty cycle (%)	INTENSIVE USE
Torque (Nm)	600
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-

● 24 V DC

The complete range

Code	Description	Price £ (Excl. VAT)
	24 V DC barriers with operator and built-in control panel	
001**G2080Z**	Galvanised and painted steel barrier fitted to take additional accessories.	£1,265.00
001**G2080IZ**	AISI 304 stainless steel barrier with satin finish fitted to take additional accessories.	£2,275.00
	Accessories for: 001G4040Z - 001G4041Z	
002**LB38**	Card for connecting three 12 V - 7 Ah emergency batteries.	£46.00

Prices for complete GARD6 and GARD8 Kits (with barrier arm and accessories included) can be found on page 83.

The break-away BARRIER BOOM

This accessory allows the barrier bar to detach in case it is accidentally bumped into.

In stainless STEEL

The Gard 8 barrier is also available in AISI 304 steel suitable for installation in harsh environments.

Easy MAINTENANCE

The control panel is located horizontally, atop the cabinet. So, it's easy to get to, making scheduled maintenance simple and quick.

Boom assembly and balancing springs

MODEL — ● 001G02040 Ø 40 mm / 1.57" springs - ● 001G04060 Ø 50 mm / 1.96" springs - ● 001G06080 Ø 55 mm / 2.16" springs

	PASSAGE WIDTH (m/ft)										
BOOM COMPOSITION	2 / 6.56	2.5 / 8.20	3 / 9.84	3.5 /11.48	4 / 13.12	4.5 /14.76	5/ 16.40	5.5 /18.04	6.5 /21.30	7 / 22.96	7.6/24.93
Simple bar	●	●	●	●●	●	●●	●●	●●	●●	●●	●●
Simple bar and mobile support 001G02808	●	●	●●	●●	●●	●●	●●	●●	●●	●●	
Simple bar and luminous cord 001G28401	●	●	●●	●●	●●	●●	●●	●●	●●	●●	●●
Simple bar, mobile support 001G02808 and luminous cord 001G28401	●	●●	●●	●	●●	●●	●●	●●	●●	●●	
Simple bar and rack 001G0465	●	●	●●	●	●●	●●	●●	●●	●●	●●	
Simple bar, rack 01G0465 and luminous cord 001G28401	●	●●	●●	●●	●●	●●	●●	●●	●●	●●	

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	Accessories for balancing (see BOOM ASSEMBLY AND BALANCING SPRINGS table)	
001**G02040**	Balancing spring Ø 40 mm / 1.57”.	£43.00
001**G04060**	Balancing spring Ø 50 mm / 1.96”.	£55.00
001**G06080**	Balancing spring Ø 55 mm / 2.16”.	£65.00
	Accessories	
001**G02801**	Dome-shaped flashing light.	£35.00
001**G02802**	Support for series Dir photocells.	£12.00
001**G02805**	Emergency battery rack.	£31.00
001**G02000**	White painted aluminium tubular bar Ø 100 mm / 3.93” complete with slot cover profile L = 2 m / 6.56 ft.	£82.00
001**G04000**	White painted aluminium tubular bar Ø 100 mm / 3.93” complete with slot cover profile L = 4 m / 13.12 ft.	£148.00
001**G06000**	White painted aluminium tubular bar Ø 100 mm / 3.93” complete with slot cover profile L = 6 m / 19.68 ft.	£227.00
001**G06803**	Boom joint complete with internal reinforcement.	£43.00
001**G028401**	Luminous cord for bars.	£8.00
001**G028402**	Luminous cord cable.	£9.50
001**G0465**	Painted aluminium rack for bar (2 m / 6.56 ft modules).	£128.00
001**G02807**	Fixed support for bars.	£74.00
001**G02808**	Mobile support for bars.	£71.00
001**G02809**	Package of 20 x red adhesive refracting strips.	£21.00
	Accessories for: 001G06000	
001**G06802**	Internal reinforcement for tube bars applied to barriers with passage widths greater than 4 m.	£14.00









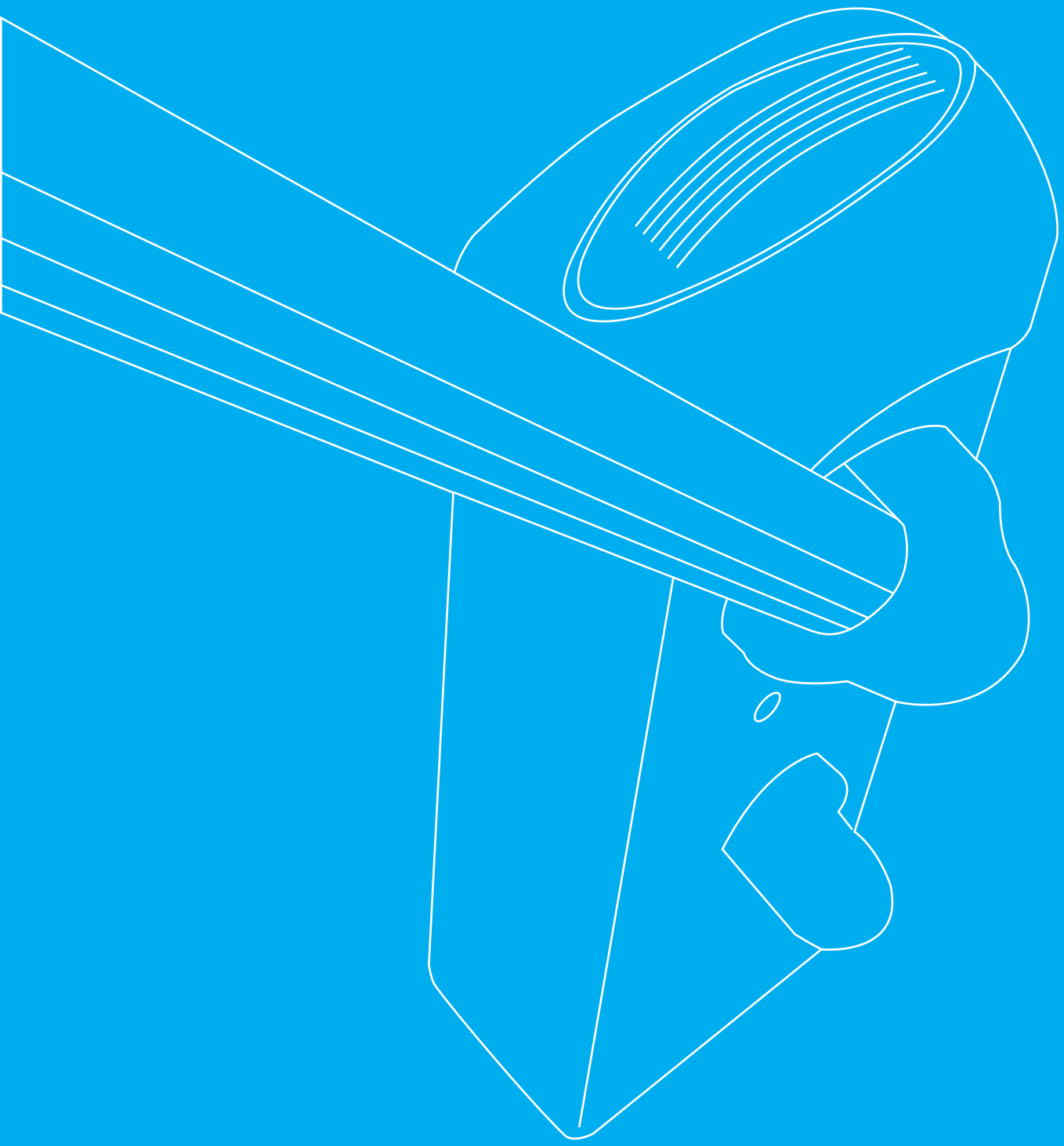


WARNING: RESPECT THE LIMITS OF USE DETAILED IN THE CATALOGUE

001G02802 Not usable with barriers featuring bars fitted with the 001G0465 aluminium rack or 001G02808 mobile support.
001G02808 MUST be used on barrier bars with passage clearance widths of up to 7 m maximum.
001G02807 MUST be used on barrier bars with passage clearance widths greater than 7 m.
001G0465 - 001G02808 They cannot be used together.

Prices for complete GARD6 and GARD8 Kits (with barrier arm and accessories included) can be found on page 83.

CAME



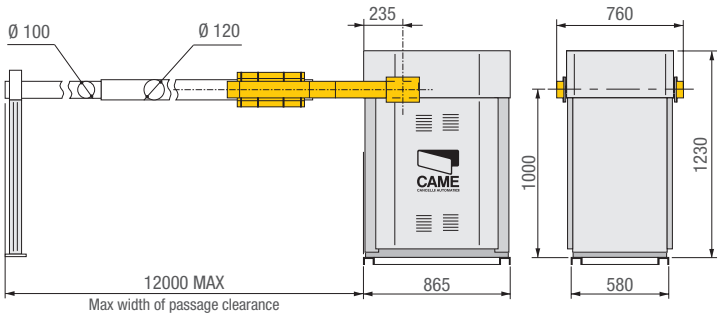
Gard 12

For road widths of up to 12 m / 40 ft

High performance barriers for special applications

- The barrier that handles very large road widths.
- Two gearmotors installed in the cabinet and mounted on the same axis provide greater torque.
- The movement of the barrier bar is smooth, safe and reliable thanks to a special modular counter-weighted balancing system that is based on the length of the barrier bar.
- A high-end range of command and safety accessories for a 100% complete installation.
- Powered by 24 V DC, it is the ideal choice for intensive duty.

Dimensions (mm / in)



Limits to use

MODEL	G12000
Max width of passage clearance (m/ft)	12 / 40

● 24 V DC

Technical features

Type	G12000
Protection rating IP	IP54
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 DC
Current draw (A)	15 MAX
Power (W)	300
90° opening time° (s)	10
Duty cycle (%)	50
Torque (Nm)	600
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-

● 24 V DC

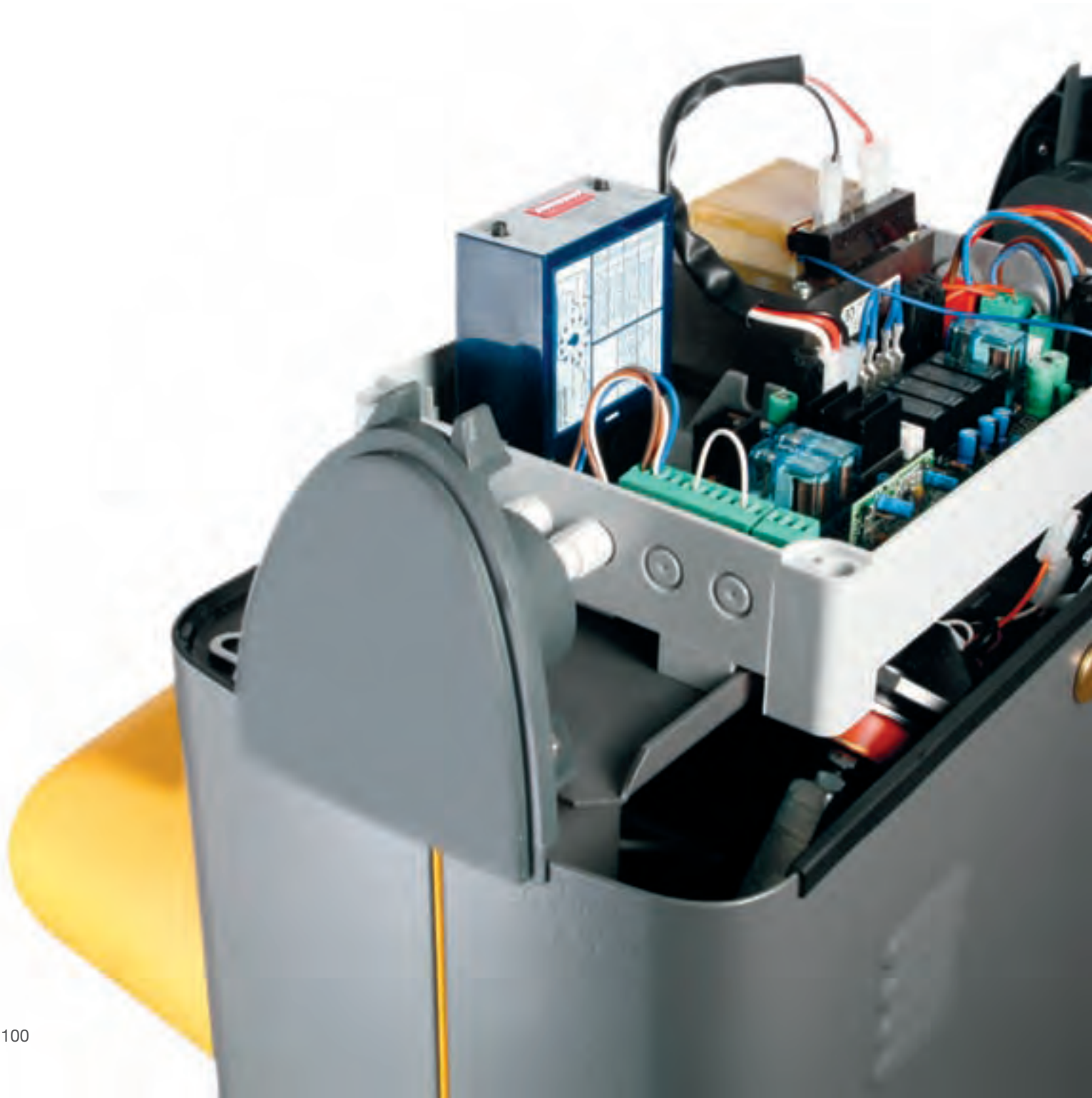
The complete range

CAME

Code	Description	Price £ (Excl. VAT)	
	Barrier with 24 V DC operators and built-in control panel		
001**G12000**	Barrier in galvanised and painted steel.	£5,660.00	
	Accessories for: 001G12000		
002**LB38**	Card for connecting three 12 V - 7 Ah emergency batteries.	£46.00	
	Accessories		
001**G0121**	White painted tubular bar composed of: 1 x fixed support 1 x tubular bar L = 6200 mm Ø = 120 mm / L = 20.34 ft Ø = 4.72” 1 x tubular bar L = 6000 mm Ø = 100 mm / L = 19.68 ft Ø = 3.94” 1 x accessory kit for bar extension.	£895.00	
001**G02809**	Pack of 24 red adhesive refracting strips.	£21.00	

Electronic functions

The table shows all of the characteristics of the road-barrier dedicated control panels. Those highlighted in bold are important when choosing which automation to install and should be considered from the start.



CAME

The models

Series	G2500	G3000DX G3000SX G3000IDX G3000ISX G3750 G3751	G6500 G6501	G4040Z G4040IZ G2080Z G2080IZ	G12000
Type	ZC5	ZL30	ZL38	ZL38	ZL37B
	SAFETY				
SELF-DIAGNOSIS of safety devices					
Opening and closing PRE-FLASHING		●	●	●	●
RE-OPENING during closing	●	●	●	●	●
RE-CLOSING during opening					
Obstacle STALL					
TOTAL STOP	●	●	●	●	●
PARTIAL STOP					
OBSTACLE DETECTION in front of photocells		●	●	●	●
ENCODER					
MOVEMENT CONTROL and OBSTACLE DETECTION device					
AMPEROMETRIC DETECTION		●	●	●	●
	COMMAND				
1 leaf PEDESTRIAN OPENING					
1 leaf PARTIAL OPENING					
OPEN ONLY from the transmitter and/or the button		●	●	●	●
OPEN ONLY or CLOSE ONLY button connection	●	●	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or the button					
OPEN-CLOSE-REVERSE from the transmitter and/or the button	●	●	●	●	●
MAINTAINED ACTION	●	●	●	●	●
1st leaf DELAYED OPENING					
2nd LEAF DELAYED CLOSING					
IMMEDIATE CLOSING		●	●	●	●
EMERGENCY RELEASE from the transmitter					
	FEATURES AND ADJUSTMENTS				
FLASHING LIGHT connection	●	●	●	●	●
CYCLE LAMP connection					
COURTESY LAMP connection					
Antenna	●	●	●	●	●
OPEN WARNING LIGHT connection	●	●	●	●	●
CLOSE WARNING LIGHT connection	●				
Contact output for 2nd RADIO CHANNEL					
RUNNING TIME adjustment	●				
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●
ELECTRO-LOCK/ELECTRO-RELEASE and/or RAM BLOW connection					
Adjustable AUTOMATIC RE-CLOSING TIME	●	●	●	●	●
OPENING and/or CLOSING slow-down		●	●	●	
EMERGENCY BATTERY operation (option)		●	●	●	●
MASTER-SLAVE		●	●	●	
Adjustable RUNNING and SLOW-DOWN SPEED		●	●	●	●
Signalling DISPLAY					
Electronic BRAKE		●	●	●	
Opening and closing endstop SELF-LEARNING					

● 230 V AC - ● 24 V DC INTENSIVE USE

The following section contains only a fraction of the Urbaco product range.

For more information please request a copy of the Urbaco General Catalogue.

Automatic
RETRACTABLE BOLLARDS

Index

CAME

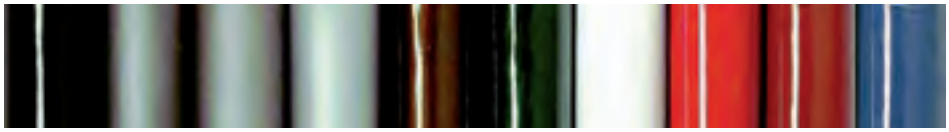
URBACO

The range

The models

Acquired by CAME in 2004, Urbaco are manufacturers of Automatic Retractable Bollards, Removable Bollards, Fixed Bollards and Posts. Since inventing the 'retractable bollard' Urbaco has developed many models of bollards to meet the technical and aesthetic standards and security needs of its clients. The Generation 6 line of bollards can be fixed, removable or retractable to compliment the existing Tradition range. The Luxor range maintains the same proven high performance standards; providing a strong physical presence and visual deterrent in all situations, even for projects on a restricted budget. Urbaco bollards are completely compatible with CAME products and accessories.

Colours



NOTE: Bollards are supplied in RAL 3020 (Traffic Red) unless otherwise specified.

Urbaco Colour Ref. #	RAL Ref. #	Colour
TPUNO	RAL 9017	Traffic Black
TPUGA	RAL 7016	Anthracite Grey
TPUGR	special	Steel Grey
TPUGM	special	Aluminium Grey
TPUVK	-	Bronze Khaki Green
TRRED	RAL 3020	Traffic Red
OPTIONAL	Other colours are available on request, including the full range of RAL glossy / thermosetting powder paints. Nonstandard finishes may incur an additional cost. Please contact us to discuss your requirements.	

Luxor			Pneumatic
Diameter (of bollard head)	Height (Above Ground)	Weight	Product Code
200	600	68 kg	BPLUXE60LC
200	800	76 kg	BPLUXE80LC
270	600	78 kg	BPLUXF60LC
270	800	89 kg	BPLUXF80LC
320	600	89 kg	BPLUXG60LC
320	800	101 kg	BPLUXG80LC

LUXOR

URBACO

Cylinder			Pneumatic	Hydraulic
Diameter (of bollard head)	Height (Above Ground)	Weight	Product Code	Product Code
120	500	54 kg	BPCLPD50LC	-
120	750	72 kg	BPCLPD75LC	-
200	500	87 kg	BPCLPE50LC	BHCLPE50
200	750	108 kg	BPCLPE75LC	BHCLPE75
250	500	113 kg	BPCLPF50LC	BHCLPF50
250	750	149 kg	BPCLPF75LC	BHCLPF75

CYLINDER

Acropole			Pneumatic	Hydraulic
Diameter (of bollard head)	Height (Above Ground)	Weight	Product Code	Product Code
120	500	54 kg	BPACED50LC	-
120	750	72 kg	BPACED75LC	-
200	500	87 kg	BPACEE50LC	BHACEE50
200	750	108 kg	BPACEE75LC	BHACEE75
250	500	113 kg	BPACEF50LC	BHACEF50
250	750	149 kg	BPACEF75LC	BHACEF75

ACROPOLE

Athéna			Pneumatic	Hydraulic
Diameter (of bollard head)	Height (Above Ground)	Weight	Product Code	Product Code
120	500	54 kg	BPATND50	-
120	750	72 kg	BPATND75	-
200	500	87 kg	BPATNE50	BHATNE50
200	750	108 kg	BPATNE75	BHATNE75
250	500	113 kg	BPATNF50	BHATNF50
250	750	149 kg	BPATNF75	BHATNF75

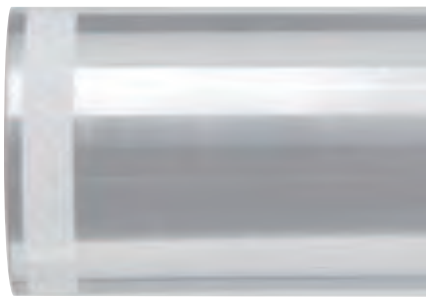
ATHENA

Chateauneuf			Pneumatic	Hydraulic
Diameter (of bollard head)	Height (Above Ground)	Weight	Product Code	Product Code
120	500	54 kg	BPCHPD50	-
120	750	72 kg	BPCHPD75	-
200	500	87 kg	BPCHPE50	BHCHPE50
200	750	108 kg	BPCHPE75	BHCHPE75
250	500	113 kg	BPCHPF50	BHCHPF50
250	750	149 kg	BPCHPF75	BHCHPF75

CHATEAUNEUF

Vendôme			Pneumatic	Hydraulic
Diameter (of bollard head)	Height (Above Ground)	Weight	Product Code	Product Code
120	500	54 kg	BPVDMD50ILC	-
120	750	72 kg	BPVDMD50ILC	-
200	500	87 kg	BPVDME50ILC	BHVDME50I
200	750	108 kg	BPVDME75ILC	BHVDME75I
250	500	113 kg	BPVDMF50ILC	BHVDMF50I
250	750	149 kg	BPVDMF75ILC	BHVDMF75I

VENDOME



Luxor

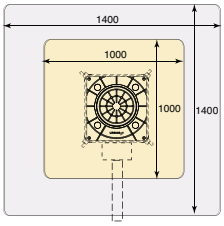
Automatic Retractable Bollards

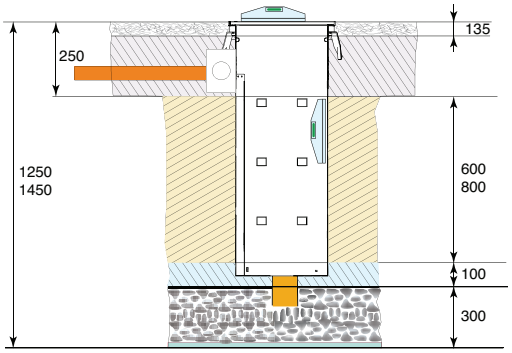
Technologically advanced, affordable and secure. Luxor, the newest addition to the Urbaco family, is a retractable pneumatic bollard developed to meet any and all requirements. Luxor is the ideal answer to meet the demands of heavy duty private use and public applications: business centres, supermarket chains, pedestrianised town centres, car dealerships, and architecturally sensitive sites where aesthetics are as important as public safety.

Features of Luxor

- Movement signalled by flashing lights and sound.
- The cast iron head design integrates aesthetically with the pavement when bollard is retracted.
- The cast-iron cover can be fixed with tamper-proof screws that can only be removed using a special key.
- May be ordered in any RAL colour.
  (Comes in RAL 3020 traffic red as standard)
- Exceptional resistance to corrosion.
- lighter, more affordable and easier to install than its predecessors, without compromising security.
- Folding foundation case makes storage easier and reduces shipping costs. It can be assembled on site in 10 minutes.

Dimensions





Technical features

Type	Luxor
Material	Cast Steel
Time to descent	3 - 5 secs
Height above ground	600 mm or 800 mm
Working pressure	6/8 bar
Max opening force (Newtons)	from 1500 to 1918 (depending on height and diameter of bollard)
Operating temperature (°C/°F)	-20 °C to 70 °C -4 °F to 158 °F (Note: a heater is available if installing in exceptionally exposed areas)

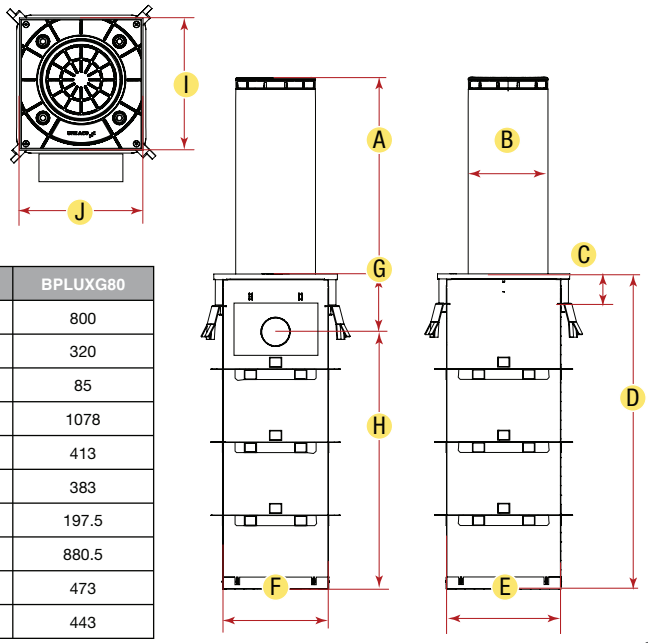
The complete range

Code	Description	Price £ (Excl. VAT)
	Automatic retractable bollards (supplied with folding foundation casing)	
BPLUX**E60**LC	**Luxor** pneumatic bollard.	£1,495.00
BPLUX**E80**LC	Comes with foundation casing to suit (see below), 25m of air hose,	£1,570.00
BPLUX**F60**LC	zinc coating and powder coated paint finish (available in 6 RAL colours).	£1,600.00
BPLUX**F80**LC	Fitted with fail OPEN security device as standard, which allows	£1,695.00
BPLUX**G60**LC	bollard to drop in the event of a power cut. Switching cable not	£1,955.00
BPLUX**G80**LC	included. Note: All bollards, if not in stock, have a delivery schedule of 4-8 weeks.	£2,050.00

	Accessories	
BOEVB-LUX	Fail SAFE security device. Bollards remain in the UP position in the event of a power failure.	£190.00

CC6**U200**PRR CC6**U200**PRS	230V A.C. technical control centre. Varnished steel protective cabinet (600 x 800 x 300mm) includes U200 control panel with built in radio receiver, and an intensive use air compressor with pressure gauge and safety valve.	£1,150.00 £1,275.00

Please Note: Urbaco products will have different trade discount to the CAME range of products listed in this catalogue.



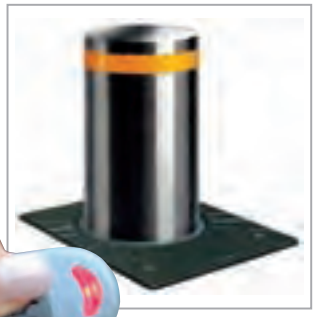
Dimensions of the bollard (mm) - see diagram

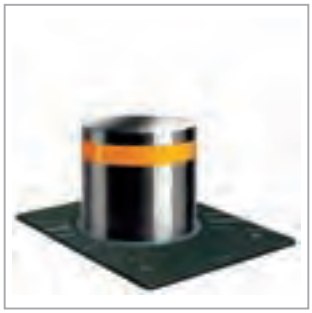
	BPLUXE60	BPLUXF60	BPLUXG60	BPLUXE80	BPLUXF80	BPLUXG80
A	600	600	600	800	800	800
B	200	270	320	200	270	320
C	85	85	85	85	85	85
D	878	878	878	1078	1078	1078
E	393	393	413	393	393	413
F	363	363	383	363	363	383
G	197.5	197.5	197.5	197.5	197.5	197.5
H	680.5	680.5	680.5	880.5	880.5	880.5
I	452	452	473	452	452	473
J	422	422	443	422	422	443

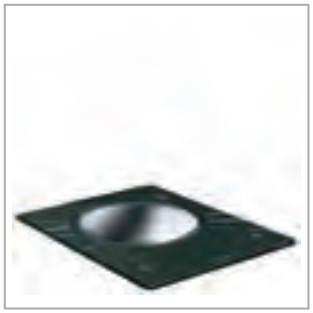
Generation 6

Automatic Retractable Bollards

Maximum protection for highly sensitive locations.
The result of over 20 years experience, the sixth generation of Urbaco's retractable bollards are manufactured from three separate parts, each cast solidly in one piece. There is no mechanical welding involved, no parts assembly with bolts or screws and no wearing parts with limited life-span, ensuring an almost indestructible means of vehicular access control.







High impact resistance.
Impact resistance has been certified from 2,500 to 15,000 joules* depending on the size and model. Three Generation 6 bollards together have shown an impact resistance of up to 675,000 joules!
(or 7 tons at 31 mph).

Features of Generation 6

- Little or no periodic maintenance.
  4.5 million operation cycles* without any breakdown or need for replacement parts
- Full 10-year warranty.
- 5 bollard head designs (available in 3 diameters and 2 heights).
- Custom powder-coated paint colours,
- Monobloc® casing has a very high impact resistance as it is formed from cast steel up to 24 mm thick.
- Thick plastic guiding ring reduces friction and noise.
- Hydraulic Option.
  Pressurised oil offers greater force and resistance to vertical loads.
- Pneumatic Option.
  Compressed air offers simplicity plus the option for greater distance between the bollard and technical centre.

Technical features

Type	Cylinder	Athéna	Acropole	Chateauneuf	Vendôme
Material	Cast Steel	Cast Steel	Cast Steel	Cast Steel	Cast / Stainless Steel
Bollard head thickness	11mm	11mm	11mm	11mm	13mm
Height above ground	500 mm or 750 mm				
Bollard diameter	120 mm, 200 mm or 250mm				
Tested durability	4.5 million operation cycles				
Impact resistance (Joules)	up to 9000 (depending on height and diameter of bollard)				
Operating temperature (°C/°F)	-10 °C to 55 °C	14 °F to 131 °F	(Note: an internal heater kit is available if installing in exceptionally exposed areas)		

Note: Please refer to the URBACO CATALOGUE for fixed and mechanical versions of these models, or visit www.urbaco.co.uk.

URBACO

The complete range

Code	Description	Price £ (Excl. VAT)
	Cylinder Model	
BPCLP**D50**LC	Automatic retractable bollard.	£POA
BPCLP**D75**LC	With monobloc® casing and cover. Comes with foundation casing to suit	£POA
BPCLP**E50**LC	(see accessories below), 25m of air hose, zinc coating and powder coated	£2,000.00
BPCLP**E75**LC	paint finish (available in 6 RAL colours). Switching cable not included.	£2,250.00
BPCLP**F50**LC		£2,350.00
BPCLP**F75**LC	Note: All bollards, if not in stock, have a delivery schedule of 4-8 weeks.	£2,730.00

	Athéna Model	
BPATN**D50**LC	Automatic retractable bollard with wide vertical grooves.	£POA
BPATN**D75**LC	With monobloc® casing and cover. Comes with foundation casing to suit	
BPATN**E50**LC	(see accessories below), 25m of air hose, zinc coating and powder coated	
BPATN**E75**LC	paint finish (available in 6 RAL colours). Switching cable not included.	
BPATN**F50**LC		
BPATN**F75**LC	Note: All bollards, if not in stock, have a delivery schedule of 4-8 weeks.	

	Acropole Model	
BPACE**D50**LC	Automatic retractable bollard with thin vertical flutes.	£POA
BPACE**D75**LC	With monobloc® casing and cover. Comes with foundation casing to suit	
BPACE**E50**LC	(see accessories below), 25m of air hose, zinc coating and powder coated	
BPACE**E75**LC	paint finish (available in 6 RAL colours). Switching cable not included.	
BPACE**F50**LC		
BPACE**F75**LC	Note: All bollards, if not in stock, have a delivery schedule of 4-8 weeks.	

	Chateauneuf Model	
BPCHP**D50**LC	Automatic retractable bollard with horizontal grooves.	£POA
BPCHP**D75**LC	With monobloc® casing and cover. Comes with foundation casing to suit	£POA
BPCHP**E50**LC	(see accessories below), 25m of air hose, zinc coating and powder coated	£2,090.00
BPCHP**E75**LC	paint finish (available in 6 RAL colours). Switching cable not included.	£POA
BPCHP**F50**LC		£2,450.00
BPCHP**F75**LC	Note: All bollards, if not in stock, have a delivery schedule of 4-8 weeks.	£2,700.00

	Vendôme Model	
BPVDM**D50**ILC	Inox stainless steel automatic retractable bollard.	£POA
BPVDM**D75**ILC	With monobloc® casing and cover. Comes with foundation casing to suit	£POA
BPVDM**E50**ILC	(see accessories below), 25m of air hose, zinc coating and powder coated	£2,450.00
BPVDM**E75**ILC	paint finish (available in 6 RAL colours). Switching cable not included.	£2,550.00
BPVDM**F50**ILC		£2,950.00
BPVDM**F75**ILC	Note: All bollards, if not in stock, have a delivery schedule of 4-8 weeks.	£3,600.00

	Folding Foundation Casings (Different codes for different sizes)	
BOCOF**D960**	Made from 1.5mm thick galvanised steel, the new foundation cases are essential	£155.00
BOCOF**D667**	to guarantee a simple, successful installation. They are delivered 'flat packed',	£90.00
BOCOF**E959**	which makes them easier and more economical to transport, and they take just	£165.00
BOCOF**E664**	10 minutes to assemble on site.	£98.00
BOCOF**F954**		£175.00
BOCOF**F671**	Note: The correct foundation case is supplied with all 'LC' codes	£125.00

Please Note: Urbaco products will have different trade discount to the CAME range of products listed in this catalogue.

Technical Centres

For Automatic Retractable Bollards

Flexible control options.
For all automatic rising bollards, Urbaco technical control centres are made up of three items; The control panel, the compressor and the cabinet. Altering the configuration of these items will allow you to control different combinations of bollards.

Standard 230v technical centre.
This rust-proof cabinet contains all the necessary hardware to run up to 4 automatic retractable bollards. The heavy duty air compressor is designed to operate under intensive-use situations and requires little or no periodic maintenance.

U200 control panel.
The state of the art control panel runs limit switches, lights indicating bollard position, induction loops, and remote control actuators by dry contact as well as compressor surveillance. A maximum of two optional U201 expansion cards can be built into the box, allowing you to run a 2nd and 3rd access ways.

Pre-assembled control centres

As well as the option to purchase individual elements to suit your needs, Urbaco technical control centres are available in standard configurations to suit the majority of requirements. Compressors are supplied pre-prepared to accept 10mm automatic bollard air line supplied with all bollards unless otherwise stated.

All URBACO control centres (and therefore automatic bollards) can be operated by the usual range of CAME radio transmitters, keypads, card readers, induction loops etc. and can easily accommodate a wide range of safety loops and detectors.

Sound-Proofing

Compressors and control centres shown on these pages are NOT SILENT when operating. Urbaco compressors can reach up to 66dB during operation. Noise output can be reduced by fitting sound insulation inside the control centre cabinet.

Please call us on 0115 9210 430
to discuss your requirements.

Limits to use

FEATURES	CU0011PP	CU0011PPR	CC6U200PR	CC6U200PRS
Max no. of small pneumatic bollards	4	6	8	8
Max no. of large pneumatic bollards	2	3	4	4
Operation intermittence	50% (15 mins ON - 15 mins OFF)		40%	40%
Shock index	IK 10 (1kg at 50cm)			
Min operating temperature (°C/°F)	-10 °C / 14 °F (Note: an internal heater kit is available if necessary)			
Max operating temperature (°C/°F)	55 °C / 131 °F			
Built-in isolation switch	NO	NO	NO	NO
Sound insulation	YES	YES	NO	YES
Limit switch management	YES	YES	YES	YES
Reserve Compressor Capacity (L)	0	5	10	10

● 230V A.C

Technical features

Technical Control Centre	CU0011PP	CU0011PPR	CC6U200PR	CC6U200PRS
Cabinet Material	1.5mm thick steel	1.5mm thick steel	1.5mm thick steel	1.5mm thick steel
Surface Finish	RAL 7035 (grey). Phosphatation, passivation, neutralisation and polyester coating of 60µm by electrostatic powdering.			
Protection rating	IP44 (control panel is IP54)	IP44 (control panel is IP54)	IP44 (control panel is IP54)	IP44 (control panel is IP54)
Power supply (V)	230V A.C. (2 P+E)	230V A.C. (2 P+E)	230V A.C. (2 P+E)	230V A.C. (2 P+E)
Dimensions (mm)	H 600 x L 400 x W 260	H 800 x L 600 x W 260	H 600 x L 800 x W 300	H 600 x L 800 x W 300
Weight (Kg)	-	-	-	-
Ventilation	Natural	Natural	Natural	Natural

● 230V A.C.

The complete range

Code	Description	Price £ (Excl. VAT)
	Pre-assembled Control Centres - recommended for use with Generation 6 bollards	
CC0011**PP**	230V A.C. technical control centre. Varnished steel sound-insulated cabinet (600 x 400 x 260mm) contains U200 control panel with built in radio receiver, and an intensive use air compressor with pressure gauge and safety valve.	**£1,400.00**
CC0011**PPR**	230V A.C. technical control centre. Varnished steel sound-insulated cabinet (600 x 400 x 260mm) contains U200 control panel with built in radio receiver, and an intensive use air compressor with pressure gauge, safety valve and ***5L air reserve***.	**£1,500.00**
	Pre-assembled Control Centres - recommended for use with Luxor bollards	
CC6**U200**PPR	230V A.C. technical control centre. Varnished steel protective cabinet (600 x 800 x 300mm) includes U200 control panel with built in radio receiver, and an intensive use air compressor with pressure gauge and safety valve.	**£1,150.00**
CC6**U200**PRS	230V A.C. technical control centre. Varnished steel protective cabinet cabinet ***with sound-insulation*** (600 x 400 x 260mm) contains U200 control panel with built in radio receiver, and an intensive use air compressor with pressure gauge and safety valve.	**£1,275.00**
CORE**H02**-LUX	Plinth for floor-mounting Luxor control centres.	**£120.00**





Please Note: Urbaco products will have different trade discount to the CAME range of products listed in this catalogue.

Technical Control Centre Operational Limits (Max No. of Bollards)

Diameter of bollard (mm)	Accessways	Generation 6						Luxor Range					
		ø 120		ø 200		ø 250		ø 200		ø 270		ø 320	
Height of bollard (mm)		h 500	h 750	h 500	h 750	h 500	h 750	h 600	h 800	h 600	h 800	h 600	h 800
CC0011PP	1 - 3	4	3	3	2	2	2	-	-	-	-	-	-
CC0011PPR	1 - 3	6	4	4	3	3	3	-	-	-	-	-	-
CC6U200PR	1 - 3	-	-	-	-	-	-	8	6	7	5	6	4
CC6U200PRS	1 - 3	-	-	-	-	-	-	8	6	7	5	6	4

Automation for:
OVERHEAD AND SECTIONAL GARAGE DOORS

Index

CAME

Your selection guide

Overhead and sectional garage door opeators

The table below summarises both the series and models, along with their maximum limits, based on the door leaf surface area or the traction force.

Series	Model	Maximum traction force (N)
Ver	V900E	500
	V700E	850

● 24 V DC INTENSIVE USE

24 V DC motors
are specifically designed for intensive use and are guaranteed to work even during power cuts.

Overhead and sectional garage doors

PARTIALLY RETRACTING
counterweighted or spring-balanced overhead garage door (with traction-type operator)

This type of door features a counterbalancing or spring-loaded system. The door retracts into the garage for about 2/3 of its overall surface area during opening and closing.

FULLY RETRACTING, PROTRUDING
spring-balanced overhead garage door (with traction-type operator)

This type of door features a spring-loaded balancing system. The door retracts fully into the garage when fully open.

SECTIONAL DOOR

This type of door features a spring-loaded balancing system. It is made up of horizontal, hinged panels. When opening and closing the door recesses fully into the garage without protuding outwards.

European Norms

An example of a European Regulation-compliant standard installation

Installation:
ON PUBLIC PREMISES
The system is installed in a public area or bordering with a public area.

User Type:
TRAINED
The system is activated only by users trained to use the automation.

Standard command type:
RADIO COMMAND
It allows the system control either by remote or fixed device impulses.

Solutions for a safe installation:
INFRARED-BEAM PHOTOCELLS AND FLASHING LIGHT
CAME automation systems for garage doors are fitted for the connection of any type of infrared-beam photocells. A top-level safety for the user.
CAME recommends the installation of the flashing light to indicate the presence of moving mechanical parts.
Also, KIARON and KIARO24IN provide easy programming of law-prescribed periodic maintenance, thanks to their “manoeuvre counter” function.

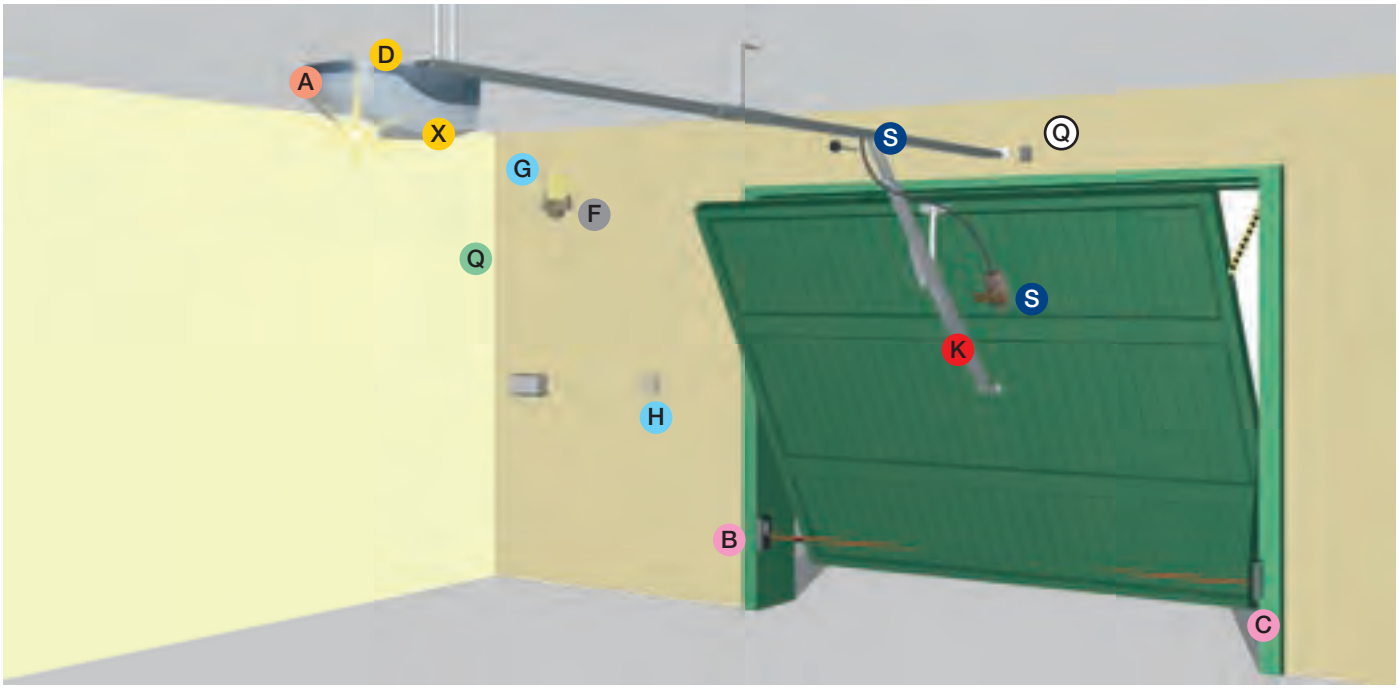
EN TESTED: CAME’s added value

When you use EN-TESTED operators and control panels you do not need to install any sensitive safety edges. However, the impact forces still need to be measured for compliance against the parameters established in the regulations.

This product is tested for compliance with maximum impact force standards established by EN 12445 and EN 12453 Technical Regulations.

CAME

Mounting the operator onto the ceiling



The products

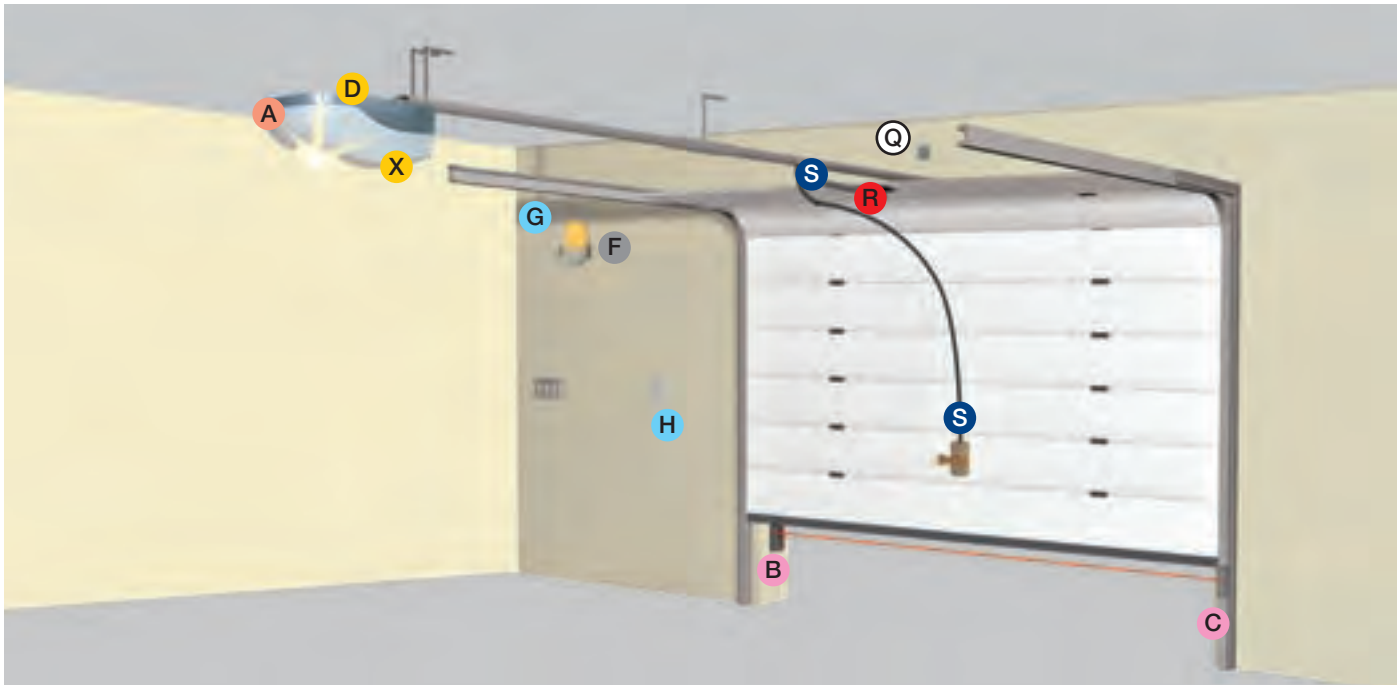
- A Operator for overhead and sectional garage doors
- B TX photocells
- C RX photocells
- D Control and battery charging card
- E Safety sensitive edges
- F Flashing light
- G Antenna
- H Command switch (key – code – card or transponder keyfob).
- K Adapter arm
- Q Junction box
- S Pull-cord release device
- X Radio receiver

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
24 V DC electric lock	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

Mounting the operator onto the ceiling



The products

- A Operator for overhead and sectional garage doors
- B TX photocells
- C RX photocells
- D Control and battery charging card
- F Flashing light
- G Antenna
- H Command switch
  (key – code – card or transponder keyfob).
- Q Junction box
- R Transmission levers
- S Pull-cord release device
- X Radio receiver

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
24 V DC electric lock	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

Complete kits

CAME

Ver U4483-B Kit

Complete Garage Door Kit.
Complete with chain guide

Price £ 338.00
(Excl. VAT)

Traction Force 500n

	Qty
001**V900E** 24v Motor	1
001**V0679** Transmission Arm	1
001**DIR10** Pair Safety Photocells	1
001**DOC-P** Push Button	1

	Qty
001**AF43S** Radio Card (433,92MHz)	1
001**TAM-432SA** Radio Remote	1
001**KIAR024N** Flashing Light	1

Ver U4480-B Kit

Complete Garage Door Kit.
Complete with belt guide

Price £ 340.00
(Excl. VAT)

Traction Force 500n

	Qty
001**V900E** 24v Motor	1
001**V0687** Standard Transmission Arm	1
001**DOC-P** Push Button	1

	Qty
001**AF43S** Radio Card (433,92MHz)	1
001**TOP-432NA** Radio Remote (433,92MHz)	1
001**TOP-A433N** Antenna	1
001**TOP-RG58** Antenna cable.	5m

Ver U4512-B Kit

Complete Garage Door Kit.
Complete with belt guide

Price £ 406.00
(Excl. VAT)

Traction Force 850n

	Qty
001**V700E** 24v Motor	1
001**V0687** Standard Transmission Arm	1
001**TOP-RG58** Antenna cable.	5m
001**DOC-P** Push Button	1

	Qty
001**AF43S** Radio Card (433,92MHz)	1
001**TOP-432NA** Radio Remote (433,92MHz)	1
001**TOP-A433N** Antenna	1

VER technical specification & operational limits for all kits on these pages can be found on page 120 (overleaf)

Certain items listed in the kits on these pages, namely control board, remote controls or safety photocells, may be substituted without prior notice for a comparative alternative if the advertised item code is temporarily out of stock.

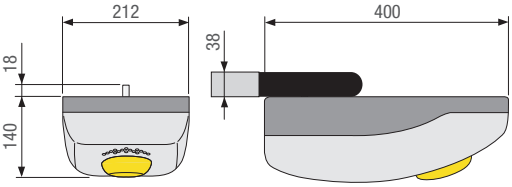
Ver

Max traction force 850 N

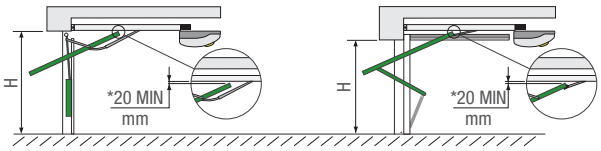
Ideal solution for sectional and overhead garage-doors in residential settings

- The operator is anchored directly onto the transmission guide-rail.
- Guaranteed safe and reliable 24 V DC systems.
- A vast range of control and safety accessories to complete the operator.
- Silent and reliable belt and chain slide rails plus outer pull-chord release that can be fitted onto a door's handle-lock system.
- Tested according to applicable rules and regulations.
- Can function in emergency mode during power cuts.

Dimensions (mm)

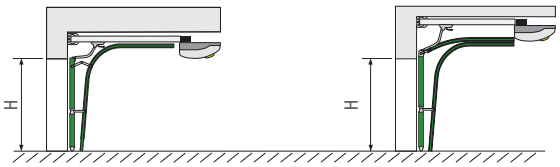


Application (mm)



BC - Partially-retracting, counterweighted overhead garage-door. (with 001V201)

BM -Fully retracting, protruding spring-balanced overhead garage door.



STA - TYPE A SECTIONAL DOOR with single guide

STB - TYPE B SECTIONAL DOOR with double guide

H = Max door height

* While moving the door max dimension in height is equal to around 2/3 of the opening

Limits to use

MODEL	V700E	V900E
Traction force (N)	850	500

● 24 V DC

Technical features

Type	V700E	V900E
Protection rating IP	IP40	IP40
Power supply (V - 50/60 Hz)	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	24 DC	24 DC
Current draw (A)	11 MAX	6 MAX
Power (W)	260	130
Manoeuvre speed 90° (m/min - ft/min)	6/ 19.68	6/ 19.68
Duty cycle (%)	50	50
Traction force (N)	850	500
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-	-

● 24 V DC

The complete range

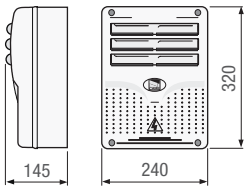
Code	Description	Price £ (Excl. VAT)
	24 V DC gearmotor with control panel - tested in compliance with EN 12453 - EN 12445	
001**V900E** EN TESTED 24 E	Automation system with encoder-based control panel, for sectional doors and overhead counterweighted or spring-loaded doors (Traction force 500 N).	£200.00
001**V700E** EN TESTED 24 E	Automation system with encoder-based control panel, for sectional doors and overhead counterweighted or spring-loaded doors (Traction force 850 N).	£263.00
	Accessories for: 001V900E - 001V700E	
001**V0670** 24	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£57.00
	Accessories	
001**V121**	Cord release device and release reset L = 3 m / 9.84 ft for application on door handle.	£23.00
001**V122**	Transmission arm for sectional doors having distances of 300 - 600 mm / 11.81” - 23.62” from the top edge of the door and the spring rod.	£14.00
001**V201**	Adapter arm for partially extended counterweighted overhead doors with max door height: 2.4 m / 7.87 ft.	£81.00
	Chain guides	
001**V0679**	Chain guide L = 3.02 m / 9.90 ft * Max door height: * BC = 2.4 m / 7.87 ft - BM = 2.25 m / 7.38 ft - STA = 2.1 m / 6.88 ft - STB = 2.2 m / 7.21 ft.	£84.00
001**V0682**	Chain guide L = 3.52 m / 11.54 ft * Max door height: * BM = 2.75 m / 9.02 ft - STA = 2.6 m / 8.53 ft - STB = 2.7 m / 8.85 ft.	£98.00
001**V0683**	Chain guide L = 4.02 m / 13.18 ft * Max door height: * BM = 3.25 m / 10.66 ft - STA = 3.1 m / 10.17 ft - STB = 3.2 m / 10.49 ft.	£115.00
001**V0684**	Chain guide L = 3.02 m / 9.90 ft in two parts Max door height: * BC = 2.4 m / 7.87 ft - BM = 2.25 m / 7.38 ft - STA = 2.1 m / 6.88 ft - STB = 2.2 m / 7.21 ft.	£131.00
	Accessories for: chain guides	
001**V005**	Chain guide extension for guide types: 001V0679 - 001V0682 - 001V0683 - 001V0684 L = 1.42 m / 4.66 ft.	£55.00
	Belt guides	
001**V0685**	Belt guide L = 3.02 m / 9.90 ft * Max door height: * BC = 2.4 m / 7.87 ft - BM = 2.25 m / 7.38 ft - STA = 2.1 m / 6.88 ft - STB = 2.2 m / 7.21 ft.	£116.00
001**V0686**	Belt guide L = 3.52 m / 11.54 ft * Max door height: * BM = 2.75 m / 9.02 ft - STA = 2.6 m / 8.53 ft - STB = 2.7 m / 8.85 ft.	£126.00
001**V0688**	Belt guide L = 4.02 m / 13.18 ft * Max door height: * BM = 3.25 m / 10.66 ft - STA = 3.1 m / 10.17 ft - STB = 3.2 m / 10.49 ft.	£138.00
001**V0687**	Belt guide L = 3.02 m / 9.90 ft in two parts * Max door height: * BC = 2.4 m / 7.87 ft - BM = 2.25 m / 7.38 ft - STA = 2.1 m / 6.88 ft - STB = 2.2 m / 7.21 ft.	£119.00

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

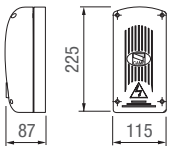
Electronic functions

The table shows all of the control panels features dedicated to overhead and sectional garage doors. Those highlighted in bold are important when choosing which automation to install and should be considered from the start.

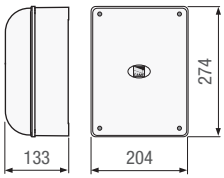
Dimensions (mm)



002ZL19NA
002LB18



002ZE5



002ZL170N

CAME

The models

Series	V900E	V700E
Type	ZL56	ZL56A
	SAFETY	
SELF-DIAGNOSIS of safety devices		
Opening and closing PRE-FLASHING		
RE-OPENING during closing	●	●
RE-CLOSING during opening		
Obstacle STALL		
TOTAL STOP	●	●
PARTIAL STOP		
OBSTACLE DETECTION in front of photocells		
ENCODER	●	●
MOVEMENT CONTROL and OBSTACLE DETECTION device		
AMPEROMETRIC DETECTION	●	●
	COMMAND	
1 leaf PEDESTRIAN OPENING		
1 leaf PARTIAL OPENING	●*	●*
OPEN ONLY from the transmitter and/or the button		
OPEN ONLY or CLOSE ONLY button connection		
OPEN-STOP-CLOSE-STOP from the transmitter and/or the button	●	●
OPEN-CLOSE-REVERSE from the transmitter and/or the button		
MAINTAINED ACTION		
1st leaf DELAYED OPENING		
2nd LEAF DELAYED CLOSING		
IMMEDIATE CLOSING		
EMERGENCY RELEASE from the transmitter		
	FEATURES AND ADJUSTMENTS	
FLASHING LIGHT connection	●	●
CYCLE LAMP connection		
COURTESY LAMP connection	●	●
Antenna	●	●
OPEN WARNING LIGHT connection		
CLOSE WARNING LIGHT connection		
Contact output for 2nd RADIO CHANNEL		
RUNNING TIME adjustment		
SELF-LEARNING of the transmitter's RADIO CODE	●	●
ELECTRO-LOCK/ELECTRO-RELEASE and/or RAM BLOW connection		
Adjustable AUTOMATIC RE-CLOSING TIME	●	●
OPENING and/or CLOSING slow-down	●	●
EMERGENCY BATTERY operation (option)	●	●
MASTER-SLAVE		
Adjustable RUNNING and SLOW-DOWN SPEED		
Signalling DISPLAY		
Electronic BRAKE	●	●
Opening and closing endstop SELF-LEARNING	●	●

● 230 V AC - ● 24 V DC INTENSIVE USE

NOTE:
*** Partial opening is activable with button, switch as well as with the transmitter.**

Automation for:
INDUSTRIAL APPLICATIONS

Index

CAME

Your selection guide

Industrial operators

The tables below sum up the series and models with their limits based on maximum door width or height and depending on the type of application.

Series	Model		
	Max door-leaf width (m/ft) / Max door-leaf weight (Kg)	m/ft	Kg
	SWING DOORS		
F4000	F4000	2/6.5	300
	F4024	2/6.5	300
	FOLDING DOORS		
F4000	F4000	1.5/5	200
	F4024	1.5/5	200

● 230 V AC - ● 24 V DC INTENSIVE USE

	Max door-leaf width (m/ft)	(m/ft)
	SLIDING AND FOLDING DOORS	
Cbx	C-BX	11/36
	C-BXE	5.5/18
	C-BXK	11/36
	C-BXEK	5.5/18
	C-BXET	5.5/18
	C-BXE24	5.5/18
	C-BXT	11/36

● 230 – 400 V AC 3-PHASE - ● 230 V AC - ● 24 V DC INTENSIVE USE

	Max door-leaf height (m/ft)	(m/ft)
	SECTIONAL DOORS WITH DIRECT GRIP TRANSMISSION	
Cbx	C-BX	5.5/18
	C-BXE	5.5/18
	C-BXK	5.5/18
	C-BXEK	5.5/18
	C-BXET	5.5/18
	C-BXE24	5.5/18
	C-BXT	5.5/18

● 230 – 400 V AC 3-PHASE - ● 230 V AC - ● 24 V DC INTENSIVE USE

	Max door-leaf height (m/ft)	m/ft
	SECTIONAL DOORS WITH CHAIN-TRANSMISSION	
Cbx	C-BX	8.5/28
	C-BXE	8.5/28
	C-BXK	8.5/28
	C-BXEK	8.5/28
	C-BXET	8.5/28
	C-BXE24	8.5/28
	C-BXT	8.5/28

● 230 – 400 V AC 3-PHASE - ● 230 V AC - ● 24 V DC INTENSIVE USE

24 V DC motors
are specifically designed for intensive use and are guaranteed to work even during power cuts.

230 – 400 V AC 3-PHASE
motors are intended for industrial use as they guarantee greater surge rates of the gearmotors in the starting phase.

Industrial operators

SECTIONAL door

This device is generally installed in automated loading docks, yet is also popular at main entrances.
Series: Cbx

SLIDING door

This device is widely used in industrial facilities.
Series: Cbx

FOLDING door

This device is used to close large passageways while reducing to a minimum the space taken up laterally.
Series: F4000 - Cbx

The flashing light: for added safety

CAME recommends the installation of the flashing light to indicate the presence of moving mechanical parts.

Also, KIARON and KIARO24IN provide easy programming of reminders for periodic maintenance thanks to their “movement counter” function. With this, installers can decide on a number of cycles, and once the limit is reached, an additional light signal warns that scheduled maintenance is due.

European Norms

An example of a European Regulation-compliant standard installation

Installation:
ON PUBLIC PREMISES
The system is installed in a public area or bordering with a public area.

User Type:
TRAINED
The system is activated only by users trained to use the automation.

Standard command type:
RADIO COMMAND
It allows the system control either by remote or fixed device impulses.

Solutions for a safe installation:
SAFETY SENSITIVE EDGES AND INFRARED-BEAM PHOTOCELLS
Thanks to the special onboard mechanism, the sensitive safety edges are completely collapsible and have no rigid parts – to guarantee top level protection.

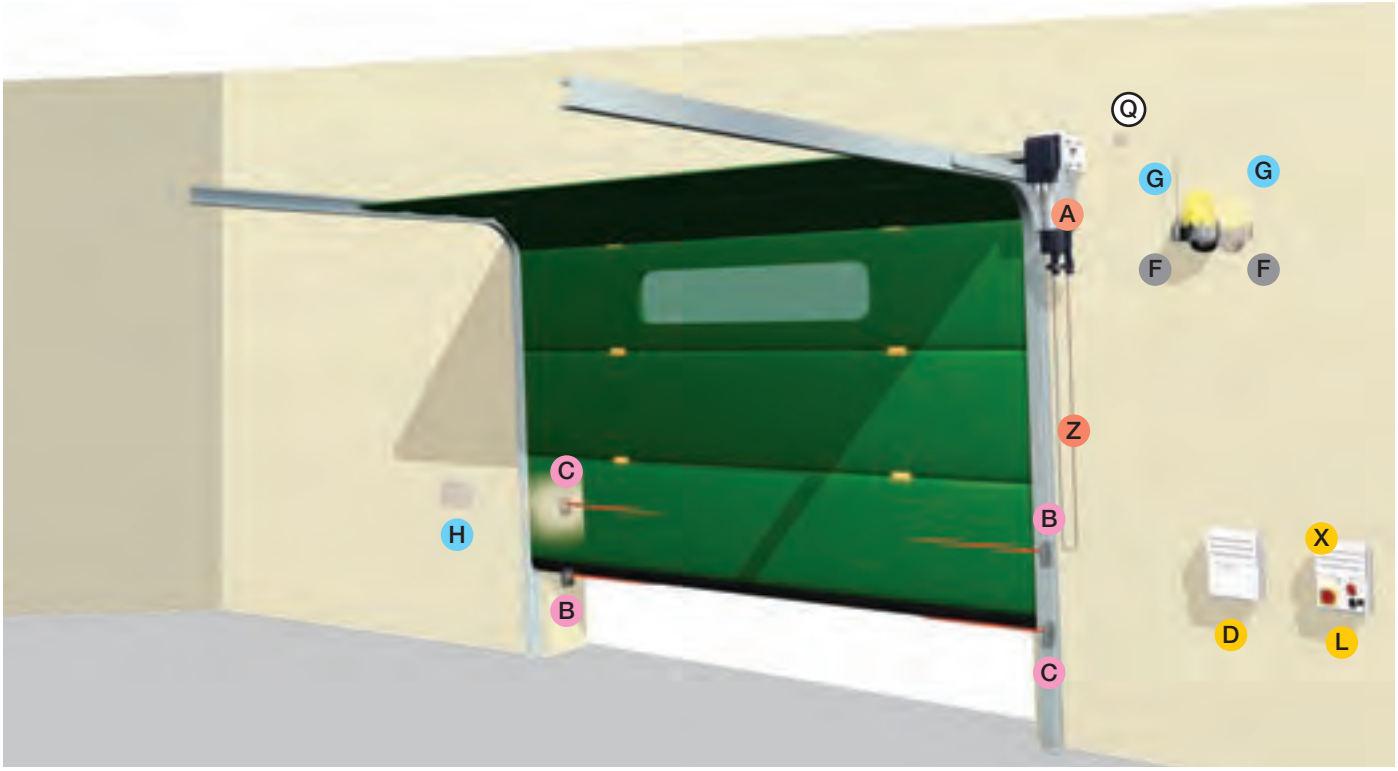
EN TESTED: CAME's added value

When you use EN-TESTED operators and control panels you do not need to install any sensitive safety edges. However, the impact forces still need to be measured for compliance against the parameters established in the regulations.

This product is tested for compliance with maximum impact force standards established by EN 12445 and EN 12453 Technical Regulations.

CAME

Direct grip TRANSMISSION



The products

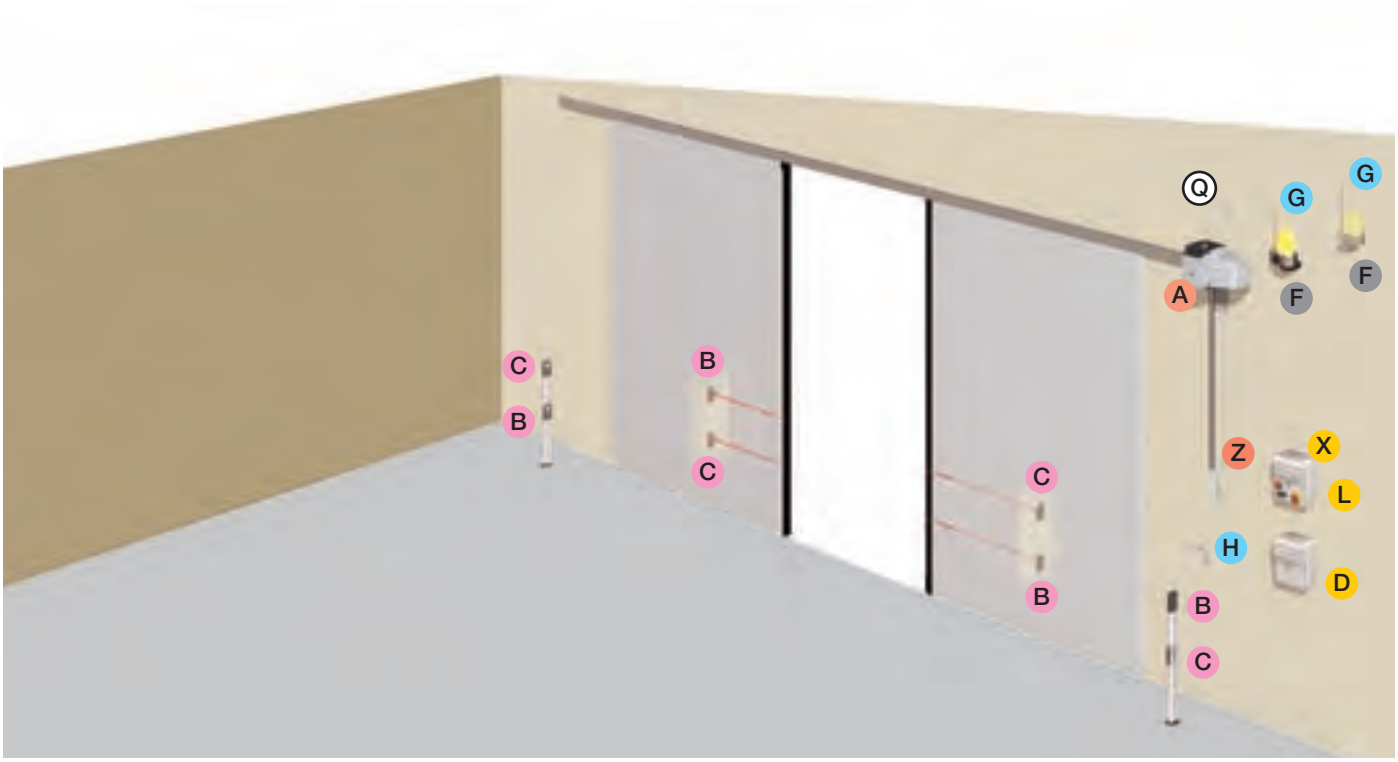
- A Operators for sectional doors
- B TX photocells
- C RX photocells
- D Control and battery charging card
- F Flashing light
- G Antenna
- H Command switch (key – code – card or transponder keyfob).
- L Control panel
- Q Junction box
- X Radio receiver
- Z Release device

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 - 400 V AC 3-PHASE power supply	4G x 1.5 mm²	4G x 1.5 mm²	4G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 - 400 V AC 3-PHASE motor power supply	4G x 1.5 mm²	4G x 1.5 mm²	4G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

Chain TRANSMISSION



The products

- A Operators for sliding doors
- B TX photocells
- C RX photocells
- D Control and battery charging card
- F Flashing light
- G Antenna
- H Command switch (key – code – card or transponder keyfob).
- L Control panel
- Q Junction box
- X Radio receiver
- Z Release device

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
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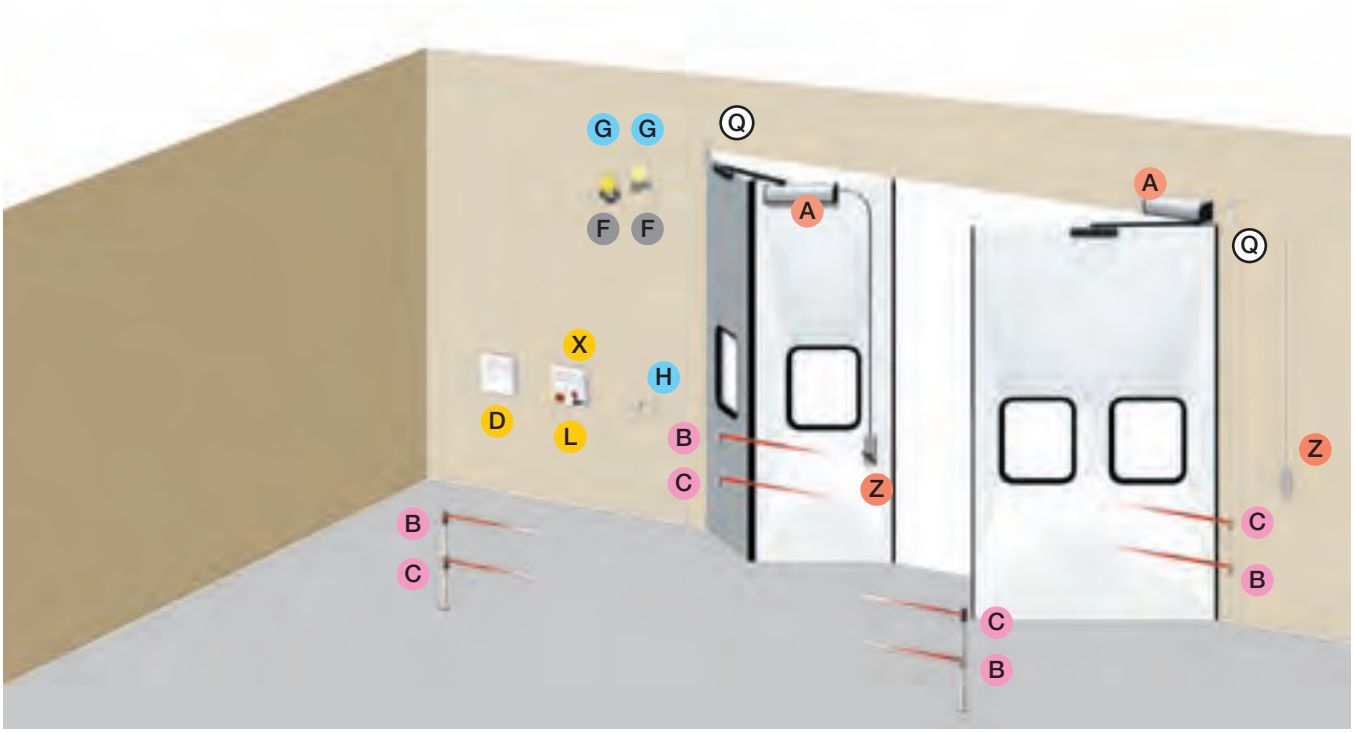
230 - 400 V AC 3-PHASE power supply	4G x 1.5 mm²	4G x 1.5 mm²	4G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 - 400 V AC 3-PHASE motor power supply	4G x 1.5 mm²	4G x 1.5 mm²	4G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

CAME

Transmission with TELESCOPIC ARM



The products

- A Operators for folding doors
- B TX photocells
- C RX photocells
- D Control and battery charging card
- F Flashing light
- G Antenna
- H Command switch (key – code – card or transponder keyfob).
- L Control panel
- Q Junction box
- X Radio receiver
- Z Release device

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 - 400 V AC 3-PHASE power supply	4G x 1.5 mm²	4G x 1.5 mm²	4G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 - 400 V AC 3-PHASE motor power supply	4G x 1.5 mm²	4G x 1.5 mm²	4G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

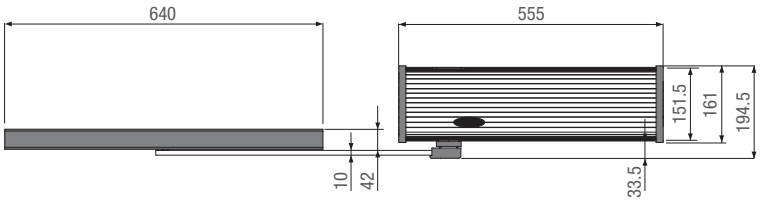
F4000

Doors of up to 2 m / 6.5 ft

The ideal solution for swing and folding door applications

- For large folding doors on slide rails or ones with two swing leaves.
- Easy to install thanks to the aluminium alloy anchoring base.
- Can be installed either on the right or left thanks to the symmetrical intakes on the gearmotor shaft.
- Can also be installed outdoors thanks to the IP54 rated gaskets that protect it from weathering agents.
- The 24 V DC version allows speed adjustments of the open/close runs and limit points as well as electronic detection of any obstacles.

Dimensions (mm)



Limits to use

MODEL	F4000 - F4024
SWING DOORS	
Max door-leaf width (m/ft) - Max door-leaf weight (Kg)	2/6.5 - 300
FOLDING DOORS	
Max door-leaf width (m/ft) - Max door-leaf weight (Kg)	1.5/5 - 200

● 230 V AC ● 24 V DC

Technical features

Type	F4000	F4024
Protection rating IP	IP54	IP54
Power supply (V - 50/60 Hz)	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	24 DC
Current draw (A)	1.9	15 MAX
Power (W)	235	180
Rotation speed (rpm)	9	9
Duty cycle (%)	30	INTENSIVE USE
Torque (Nm)	340	470
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Reduction ratio (i)	1/150	1/150
Motor thermo protection (°C/°F)	150	-

● 230 V AC ● 24 V DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)	
	230 V AC operator		
001**F4000**	Self-locking operator.	£453.00	
	Control panels for 230 V AC operators		
002**ZA3C**	Control panel with built-in radio decoder complete with safety block and buttons.	£255.00	
002**ZC3**	Control panel with manoeuvre thrust function, built-in radio decoder and self-diagnosis of safety devices.	£196.00	
002**ZC3C**	Control panel with manoeuvre thrust function, built-in radio decoder, safety block and buttons and self-diagnosis of safety devices.	£283.00	
002**ZM3EC**	Multifunction control panel, complete with safety block and buttons, signalling display, built-in radio decoder and self-diagnosis of safety devices.	£371.00	
	24 V DC operator and control panels - tested in compliance with EN 12453 - EN 12445		
001**F4024**	Self-locking operator.	£567.00	
002**ZL170N**	Control panel with built-in radio decoder.	£167.00	
002**ZL19N**	Control panel with built-in radio decoder.	£286.00	
	Accessories for: 002ZL170N and 002ZL19N		
002**LB18**	Casing with emergency card, fitted to house three 12 V - 7 Ah batteries.	£146.00	
	Accessories		
001**F4004**	Transmission slide arm and slide guide.	£83.00	
001**CMS**	Release handle with customised key and cord reset. L = 7 m / 22.96 ft.	£113.00	
001**C002**	Pendulum release system.	£19.00	

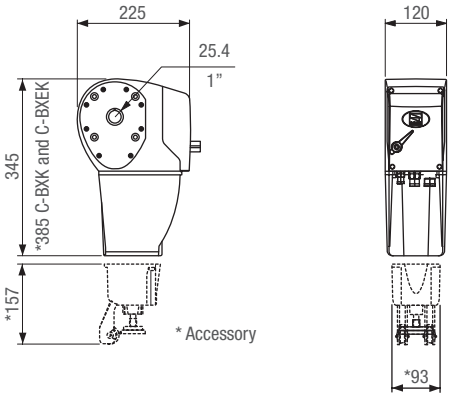
Cbx

Doors of up to 11 m / 36 ft

The ideal solution for sliding and sectional door applications

- A complete range in the following versions: 24 V DC, 230 V AC and 230 -400 V AC 3-phase.
- 001C-BXK and 001C-BXEK provide superior torque performance to operate even very large doors on 230 V AC.
- The operator for large sliding, folding sliding-doors and sectional doors featuring a direct transmission system.
- The 24 V DC model allows you to adjust run and slow-down speeds.
- Can be opened manually using the handy winch.
- Can be installed either horizontally or vertically to meet all application needs.
- Some models are fitted with an encoder which electronically controls the movement of the large doors.
- Two 230-400 V AC 3-phase models, even with encoder for a guaranteed additional thrust.

Dimensions (mm)



Limits to use

MODEL	C-BX	C-BXT	C-BXE	C-BXET	C-BXE24	C-BXK	C-BXEK
SECTIONAL DOORS WITH DIRECT GRIP							
Max door-leaf height (m/ft)	5.5/18	5.5/18	5.5/18	5.5/18	5.5/18	5.5/18	5.5/18
SECTIONAL DOORS WITH CHAIN-TRANSMISSION							
Max door-leaf height (m/ft)	8.5/28	8.5/28	8.5/28	8.5/28	8.5/28	8.5/28	8.5/28
SLIDING AND FOLDING DOORS							
Max door-leaf height (m/ft)	11/36	11/36	5.5/18	5.5/18	5.5/18	11/36	5.5/18

● 230 – 400 V AC 3-PHASE - ● 230 V AC - ● 24 V DC

Technical features

Type	C-BX	C-BXT	C-BXE	C-BXET	C-BXE24	C-BXK	C-BXEK
Protection rating IP	IP54	IP54	IP54	IP54	IP54	IP54	IP54
Power supply (V - 50/60 Hz)	230 AC	230 - 400 AC 3-PHASE	230 AC	230 - 400 AC 3-PHASE	230 AC	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	230 - 400 AC 3-PHASE	230 AC	230 - 400 AC 3-PHASE	24 DC	230 AC	230 AC
Current draw (A)	2.2	2.5	2.2	2.5	9 MAX	3.6	3.6
Power (W)	450	780	450	780	240	750	750
Rotation speed (rpm)	21.5	21.5	21.5	21.5	26.5	21.5	21.5
Duty cycle (%)	30	50	30	50	INTENSIVE USE	30	30
Torque (Nm)	60	80	60	80	25	120	120
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131						
Motor thermo protection (°C/°F)	150/302	150/302	150/302	150/302	-	150/302	150/302

● 230 – 400 V AC 3-PHASE - ● 230 V AC - ● 24 V DC

The complete range

CAME

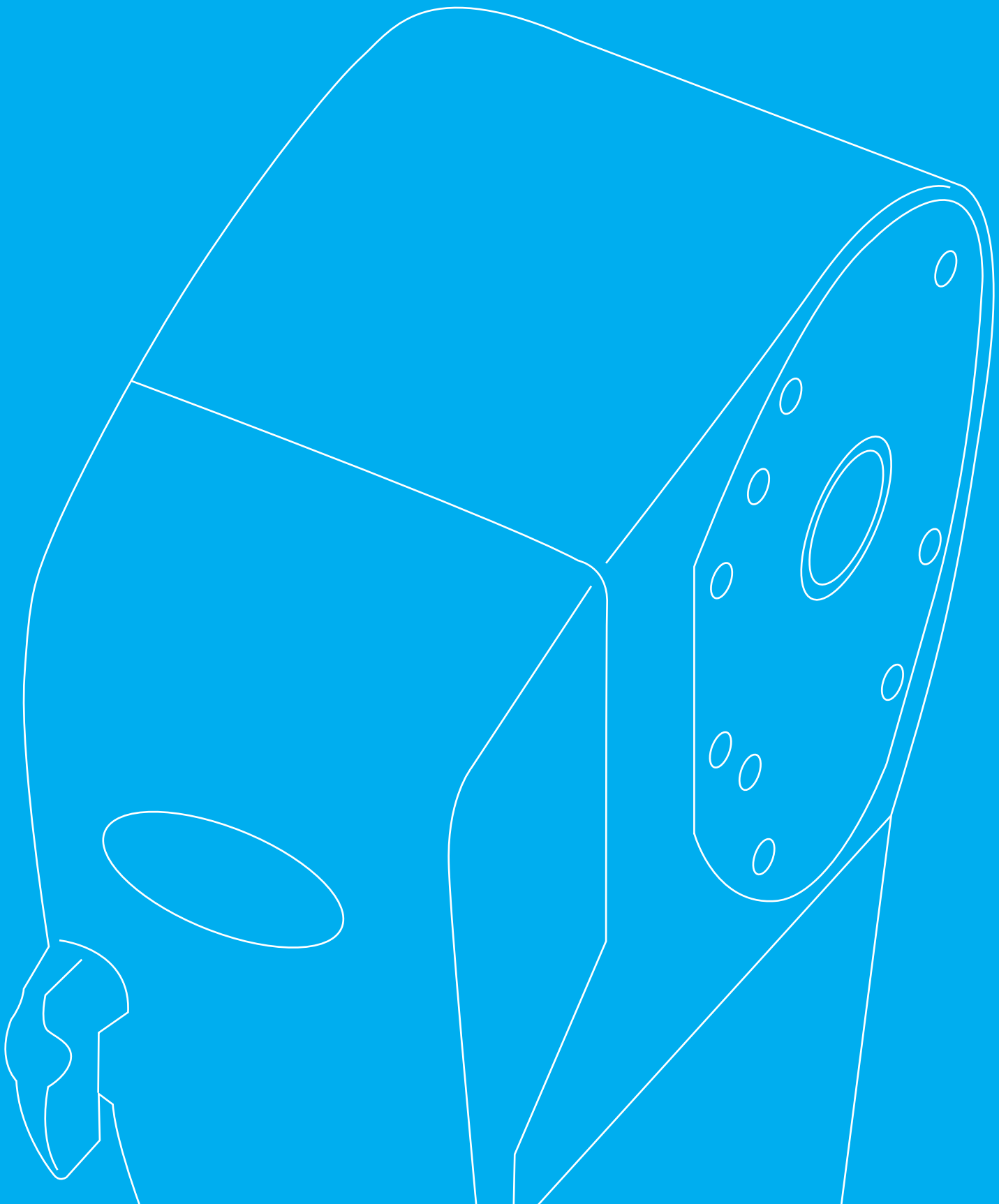
Code	Description	Price £ (Excl. VAT)
	230 V AC operators	
001**C-BX**	Operator with mechanical endstop (450W).	£407.00
001**C-BXK**	Operator with mechanical endstop (750W).	£438.00
	Control panels for operators: 001C-BX - 001C-BXK	
002**ZC3**	Control panel with manoeuvre thrust function, built-in radio decoder and self-diagnosis of safety devices.	£196.00
002**ZC3C**	Control panel with manoeuvre thrust function, built-in radio decoder, safety block and buttons and self-diagnosis of safety devices.	£283.00
002**ZM3EC**	Multifunction control panel, complete with safety block and buttons, signalling display, built-in radio decoder and self-diagnosis of safety devices.	£371.00
	230 V AC operators	
001**C-BXE**	Operator with encoder (450W).	£411.00
001**C-BXEK**	Operator with encoder (750W).	£442.00
	Control panels for operators: 001C-BXE - 001C-BXEK	
002**ZCX10**	Control panel with signalling display, built-in radio decoder and self-diagnosis of safety devices.	£258.00
002**ZCX10C**	Control panel complete with safety block and buttons, signalling display, built-in radio decoder and self-diagnosis of safety devices.	£330.00
	24 V DC operators	
001**C-BXE24**	Operator with encoder.	£535.00
	Control panels for operator: 001C-BXE24	
002**ZL80**	Control panel with signalling display, built-in radio decoder and self-diagnosis of safety devices.	£289.00
002**ZL80C**	Control panel complete with safety block and buttons, signalling display, built-in radio decoder and self-diagnosis of safety devices.	£370.00
	Accessories for: 002ZL80 and 002ZL80C	
002**BN1**	Card for connecting two 12 V – 1.2 Ah emergency batteries.	£35.00
	230 - 400 V AC 3-phase operator	
001**C-BXT**	Operator with mechanical endstop.	£407.00
	Control panels for operator: 001C-BXT	
002**ZT6**	Control panel with built-in radio decoder and self-diagnosis of safety devices.	£285.00
002**ZT6C**	Control panel, complete with safety block and buttons, including built-in radio decoder and self-diagnosis of safety devices.	£376.00

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	230 - 400 V AC 3-phase operator with encoder	
001**C-BXET**	Operator with encoder.	£405.00
	Control panels for operator: 001C-BXET	
002**ZT5**	Control panel with signalling display, built-in radio decoder and self-diagnosis of safety devices.	£335.00
002**ZT5C**	Control panel complete with safety block and buttons, signalling display, built-in radio decoder and self-diagnosis of safety devices.	£422.00
	Accessories for: SLIDING AND FOLDING DOORS	
009**CCT**	1/2” simple chain.	per m £13.00
009**CGIU**	Joint for 1/2” chain.	£2.00
001**C003**	Transmission system for sliding doors, complete with shaft with a Z = 26 pinion for hollow gear shaft, chain tightening transmission system, operator securing brackets and door leaf fixing brackets.	£170.00
001**C004**	Transmission system for folding doors, complete with shaft with a Z = 26 pinion for hollow gear shaft, chain tightening transmission system, operator securing brackets and chain hooking for door-leaf pin.	£152.00
	Accessories for: SECTIONAL DOORS	
001**C005**	Chain transmission system (for door leaves higher than 5.5 m / 18.04 ft) complete with shaft with a Z = 26 pinion for hollow gear shaft, Z = 40 pinion with chain and 1/2” chain joint, and operator securing brackets.	£105.00
001**C006**	Pack of two pre-holed brackets with spring shaft Ø 25.4 mm / 1” (accessory required in case of installation on a door with a direct-grip operator).	£28.00
001**C007**	Accessory for doors with a Ø 25 mm / 0.98” spring shaft.	£99.00
001**C008**	Accessory for doors with a Ø 40 mm / 1.57” spring shaft.	£101.00
001**C009**	Operator support bracket for sectional doors with a Ø 25.4 mm (1") (accessory required in case of installation on a door with a direct-grip operator).	£24.00
001**C010**	Winch for manual operations with DIN 766 Ø 3 mm / 0.12” chain for sectional doors (chain L = 10 m / 32.80 ft).	£95.00
	Accessories	
001**CMS**	Release handle with customised key and cord reset. L = 7 m / 22.96 ft.	£113.00
001**C002**	Pendulum release system.	£19.00

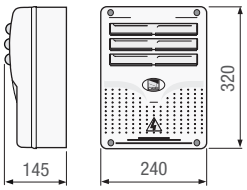
CAME



Electronic functions

The table shows all of the characteristics of control panels dedicated to industrial doors. Those highlighted in bold are important when choosing which automation to install and should be considered from the start.

Dimensions (mm)



002ZA3C
002ZC3
002ZC3C
002ZM3EC
002ZL170N
002ZL19N
002LB18

002ZCX10
002ZCX10C
002ZT5
002ZT5C
002ZT6
002ZT6C
002ZL80
002ZL80C

CAME

The models

Series	F4000	F4000 C-BX C-BXK	F4024	F4024	F4000 C-BX C-BXK	C-BXE C-BXEK	C-BXE24	C-BXET	C-BXT
Type	ZA3C	ZM3EC	ZL170N	ZL19N	ZC3 ZC3C	ZCX10 ZCX10C	ZL80 ZL80C	ZT5 ZT5C	ZT6 ZT6C
SAFETY									
SELF-DIAGNOSIS of safety devices		●		●	●	●	●	●	●
Opening and closing PRE-FLASHING	●	●	●	●	●	●	●	●	●
RE-OPENING during closing	●	●	●	●	●	●	●	●	●
RE-CLOSING during opening	●	●			●	●	●	●	●
Obstacle STALL		●				●	●	●	
TOTAL STOP	●	●	●	●	●	●	●	●	●
PARTIAL STOP	●	●	●	●	●	●	●	●	●
OBSTACLE DETECTION in front of photocells	●	●	●	●	●	●	●	●	●
ENCODER		●				●	●	●	
MOVEMENT CONTROL and OBSTACLE DETECTION device									
AMPEROMETRIC DETECTION		●	●	●		●	●	●	
COMMAND									
1 leaf PEDESTRIAN OPENING		●		●					
1 leaf PARTIAL OPENING	●	●			●	●	●	●	●
OPEN ONLY from the transmitter and/or the button	●	●	●	●	●	●	●	●	●
OPEN ONLY or CLOSE ONLY button connection	●	●	●	●	●	●	●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or the button	●	●		●	●	●	●	●	●
OPEN-CLOSE-REVERSE from the transmitter and/or the button	●	●	●	●	●	●	●	●	●
MAINTAINED ACTION	●	●	●	●	●	●	●	●	●
1st leaf DELAYED OPENING	●	●		●					
2nd LEAF DELAYED CLOSING	●	●		●					
IMMEDIATE CLOSING									
EMERGENCY RELEASE from the transmitter									
FEATURES AND ADJUSTMENTS									
FLASHING LIGHT connection	●	●	●	●	●	●	●	●	●
CYCLE LAMP connection	●	●	●	●	●	●	●	●	●
COURTESY LAMP connection		●			●	●	●	●	●
Antenna	●	●	●	●	●	●	●	●	●
OPEN WARNING LIGHT connection	●	●	●	●	●	●	●	●	●
CLOSE WARNING LIGHT connection									●
Contact output for 2nd RADIO CHANNEL	●	●	●	●	●	●	●	●	●
RUNNING TIME adjustment	●	●	●		●	●	●	●	
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●	●	●	●	●
ELECTRO-LOCK/ELECTRO-RELEASE and/or RAM BLOW connection	●	●	●	●					
Adjustable AUTOMATIC RE-CLOSING TIME	●	●	●	●	●	●	●	●	●
OPENING and/or CLOSING slow-down		●	●	●		●	●		
EMERGENCY BATTERY operation (option)			●	●			●		
MASTER-SLAVE						●	●	●	●
Adjustable RUNNING and SLOW-DOWN SPEED		●	●	●			●		
Signalling DISPLAY		●				●	●	●	
Electronic BRAKE					●	●		●	●
Opening and closing endstop SELF-LEARNING									

● 230 – 400 V AC 3-PHASE - ● 230 V AC - ● 24 V DC INTENSIVE USE

Automation for:
SHUTTERS AND BLINDS

Index

CAME

Your selection guide

Rolling shutters and blinds

The tables below summarise the series and models along with their maximum limits based on the lifting force of the shutter and blind motors.

Series	Model	
	Lift capacity (Kg)	
	OPERATORS FOR ROLIING SHUTTERS	
H	H1003	120
	H1103	
	H2003	200
	H2103	

● 230 V AC

Series	Model	
	Lift capacity (Kg)	
	OPERATORS FOR BLINDS	
Mio	MIO50S020	36
	MIO50S030	55
	MIO50S040	74

● 230 V AC

Rolling shutters and blinds

Rolling
SHUTTER
Ideal for shops and other commercial premises.
Series: H

Rolling
BLIND
For home, office and generally any working environment.
Series: Mio

The flashing light: for added safety

The automation systems installed in industrial settings are often covered by a periodic maintenance programme. For this the KIAROIN and KIARO24IN versions, both fitted with the manoeuvre counter function, are excellent to help you manage and receive notice of scheduled maintenance requirements and actions.

European Norms

An example of a European Regulation-compliant standard installation

Installation:
ON PUBLIC PREMISES
The system is installed in a public area or bordering with a public area.

User Type:
TRAINED
The system is activated only by users trained to use the automation.

Standard command type:
RADIO COMMAND
It allows the system control either by remote or fixed device impulses.

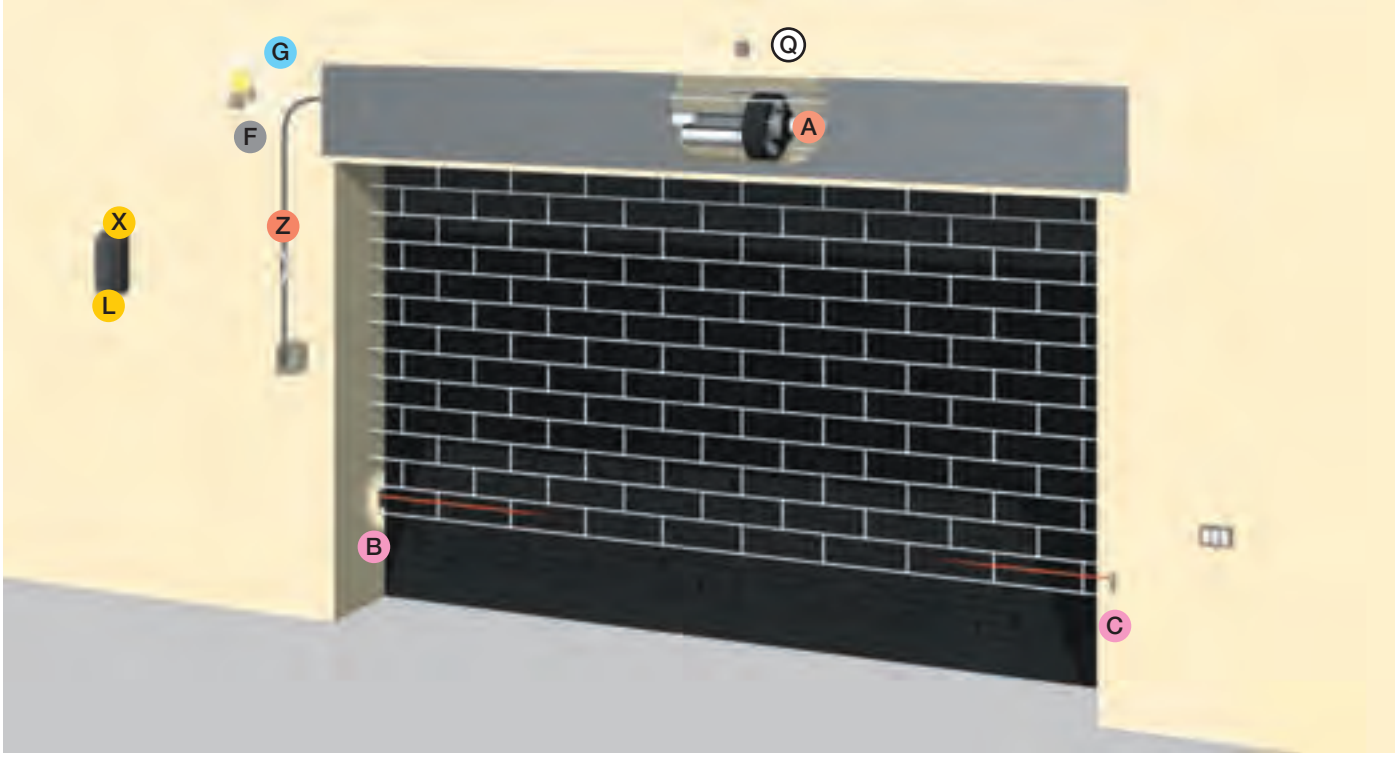
Solutions for a safe installation:
INFRARED-BEAM PHOTOCELLS
CAME's Dir series synchronised infrared-beam photocells with their reduced dimensions are ideal for installing laterally to the rolling shutter. They are ideal for safe and compliant installations.

A dedicated control panel for a fully compliant system

The 002ZR24 control panel is CAME's solution for rolling shutters.

The reduced dimensions of the casing make it easy to install.
Its radio remote control mode and optional safety devices make the system fully compliant with current technical regulations.

Single OPERATOR



The products

- A Rolling shutter operator
- B TX photocells
- C RX photocells
- F Flashing light
- G Antenna
- L Control panel
- Q Junction box
- X Radio receiver
- Z Release device

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 1.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
12 V DC electric lock	2 x 1 mm²	2 x 1 mm²	2 x 1.5 mm²
24 V DC electric lock	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

Complete kits

CAME

001UAMT001 Mio

Automation kit for rolling blinds with 20 N electromechanical tubular gearmotor

Code	Description	Quantity
001**MI050S020**	Electromechanical tubular gearmotor (20 Nm) with progressive screw-adjusted endpoints (lift capacity = max 36 Kg).	1
001**AMTAP0916**	Adaptor kit for octagonal tubes of 60 mm/ 2.36”.	1
001**AMTAM0947**	Ø 60 mm / 2.36” octagonal shell (with Ø 12 mm / 0.47” pin).	1
001**AMTAM0511**	Standard support.	1
001**AMT11653NY**	Squared safety insert for 50 series tubular gearmotors.	1
001**AMTAM0656**	Ø 28 mm / 1.10” metal bearing with Ø 12 mm / 0.47” hole.	1
001**AMTAM0655**	Ø 28 mm / 1.10” bearing holder.	1

Price £ 76.00 (Excl. VAT)

001UAMT002 Mio

Automation kit for rolling blinds with 30 N electromechanical tubular gearmotor

Code	Description	Quantity
001**MI050S030**	Electromechanical tubular gearmotor (30 Nm) with progressive screw-adjusted endpoints (lift capacity = max 55 Kg).	1
001**AMTAP0916**	Adaptor kit for octagonal tubes of 60 mm / 2.36”.	1
001**AMTAM0947**	Ø 60 mm / 2.36” octagonal shell (with Ø 12 mm / 0.47” pin).	1
001**AMTAM0511**	Standard support.	1
001**AMT11653NY**	Squared safety insert for 50 series tubular gearmotors.	1
001**AMTAM0656**	Ø 28 mm / 1.10” metal bearing with Ø 12 mm / 0.47” hole.	1
001**AMTAM0655**	Ø 28 mm / 1.10” bearing holder.	1

Price £ 84.00 (Excl. VAT)

Complete kits

CAME

001UAMT003 Mio

Automation kit for rolling blinds with 40 N electromechanical tubular gearmotor

Code	Description	Quantity
001**MI050S040**	Electromechanical tubular gearmotor (40 Nm) with progressive screw-adjusted endpoints (lift capacity = max 74 Kg).	1
001**AMTAP0916**	Adaptor kit for octagonal tubes of 60 mm / 2.36”.	1
001**AMTAM0947**	Ø 60 mm / 2.36” octagonal shell (with Ø 12 mm / 0.47” pin).	1
001**AMTAM0511**	Standard support.	1
001**AMT11653NY**	Squared safety insert for 50 series tubular gearmotors.	1
001**AMTAM0656**	Ø 28 mm / 1. 10” metal bearing with Ø 12 mm / 0.47” hole.	1
001**AMTAM0655**	Ø 28 mm / 1.10” bearing holder.	1

Price £ 84.00 (Excl. VAT)

Mio

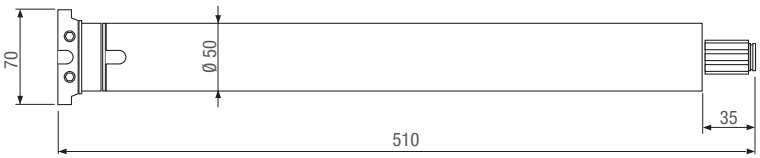
NEW

Rated to lift up to 74 Kg

The ideal solution for blinds

- The easy-to-apply operator: just fit the gearmotor into the blind rolling tube.
- Precise reliable movement.
- Suitable even for pre-existing blind and any type of blind box.
- Carefully selected adaptors to make it as simple as possible to choose the right product for any setting.

Dimensions (mm)



Standard cable length: 2500 mm / 98.42”

Limits to use

MODEL	MIO50S020	MIO50S030	MIO50S040
Torque (Nm)	20	30	40
Max lift capacity (Kg)	36	55	74
HEIGHT OF BLINDS (m/ft)		up to 1.5 / 4.92	
Max lift capacity (Kg)	36	55	74
HEIGHT OF BLINDS (m/ft)		from 1.5 / 4.92 to 2.5 / 8.20	
Max lift capacity (Kg)	36	45	60

● 230 V AC

Technical features

Type	MIO50S020	MIO50S030	MIO50S040
Protection rating IP	IP44	IP44	IP44
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC
Operator weight (Kg)	2.2	2.7	2.8
Current draw (A)	0.57	0.73	0.98
Power (W)	129	168	226
Rotation speed (rpm)	13	13	13
Working time (min)	4	4	4
Torque (Nm)	20	30	40
Operating temperature (°C/°F)	-10 ~ +50 / +14 ~ +122	-10 ~ +50 / +14 ~ +122	-10 ~ +50 / +14 ~ +122
Motor thermo protection (°C/°F)	160/320	160/320	160/320

● 230 V AC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	230 V AC (50 Hz) gearmotors 50 series	
001**MI050S020**	Electromechanical tubular gearmotor (20 Nm) with progressive screw-adjusted endpoints (lift capacity = max 36 Kg).	£62.00 NEW
001**MI050S030**	Electromechanical tubular gearmotor (30 Nm) with progressive screw-adjusted endpoints (lift capacity = max 55 Kg).	£70.00 NEW
001**MI050S040**	Electromechanical tubular gearmotor (40 Nm) with progressive screw-adjusted endpoints (lift capacity = max 74 Kg).	£70.00 NEW
	Accessories	
001**AMTAP0924**	Adaptor kit for 50 series tubular gearmotors for 59 mm / 2.32” octagonal tubes.	£4.00 NEW
001**AMTAP0912**	Adaptor kit for 50 series tubular gearmotors for octagonal tubes of min 70 mm and max 71.5 mm / min 2.75” and max 2.81”.	£4.00 NEW
001**AMTAP0916**	Adaptor kit for octagonal tubes of 60 mm / 2.36”.	£4.00 NEW
001**AMTAM0553**	Support with 48 mm / 1.89” distance between holes for 50 series tubular gearmotors.	£2.00 NEW
001**AMTAM0523**	Screw support for 50 series tubular gearmotors.	£5.00 NEW
001**AMTAM0663**	ST bearing wood holder.	£3.00 NEW
001**AMTAM0655**	Ø 28 mm / 1.10” bearing holder.	£1.00 NEW
001**AMTAM0511**	Standard support.	£4.00 NEW
001**AMTAM0947**	Ø 60 mm / 2.36” octagonal shell (with Ø 12 mm / 0.47” pin).	£3.00 NEW
001**AMTAM0673**	Adjustable ST bearing holder.	£6.00 NEW
001**AMTAM0670**	ST ball bearing.	£2.00 NEW
001**AMTAM0674**	ST bearing.	£3.00 NEW
001**AMTAM0656**	Ø 28 mm / 1.10” metal bearing with Ø 12 mm / 0.47” hole.	£3.00 NEW
001**AMT11653NY**	Squared safety insert for 50 series tubular gearmotors.	£4.00 NEW
001**AMTAM0652**	Ø 60 mm / 2.36” octagonal telescopic shell (with Ø 12 mm / 0.47” pin).	£10.00 NEW
001**AMTAM0653**	Ø 70 mm / 2.75 in octagonal telescopic shell (with Ø 12 mm / 0.47” pin).	£10.00 NEW

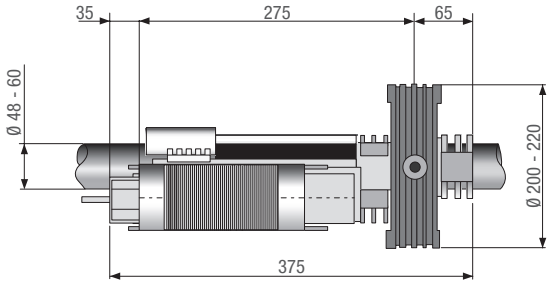

H

Rated to lift up to 200 Kg

The ideal solution for rolling shutters in homes and apartment-blocks

- This versatile operator is ideal for both private and commercial applications.
- Adaptable to rolling tubes with 48 mm / 1.89" and 60 mm / 2.36" diameters and 200 mm / 7.87" and 220 mm / 8.66" springs.
- Can fit a second motor to increase the lifting force.
- Easy, precise open/close run adjusting.
- Standard adapters for all models.

Dimensions (mm)



Limits to use

MODEL	H1003	H1103	H2003	H2103
Max lift capacity (Kg)	120	120	200	200

● 230 V AC

Technical features

Type	H1003	H1103	H2003	H2103
Protection rating IP	IP40	IP40	IP40	IP40
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC
Current draw (A)	2.4	2.4	4.5	4.5
Power (W)	270	270	500	500
Reduction ratio (i)	1/150	1/150	1/150	1/150
Duty cycle (%)	30	30	30	30
Rotation speed (rpm)	9	9	9	9
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	150/302	150/302	150/302	150/302

● 230 V AC

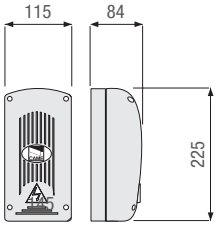
The complete range

Code	Description	Price £ (Excl. VAT)
	230 V AC operators for shutter post with a diameter from 48 mm / 1.88” to 60 mm / 2.36” and springs from 200 mm / 7.87” to 220 mm / 8.66”	
001**H1003**	Self-locking operator complete with cord-release. (lift capacity: 120 Kg).	**£242.00**
001**H2003**	Self-locking operator with two motors complete with cord-release. (lift capacity: 200 Kg).	**£370.00**
001**H1103**	Reversible perator. o (lift capacity: 120 Kg).	**£205.00**
001**H2103**	Reversible operator with two motors. (lift capacity: 200 Kg).	**£334.00**
	Control panel for 230 V AC operators	
002**ZR24**	Control panel with built-in radio decoder.	**£78.00**
	Accessories for: 001H1003 and 001H1103	
001**H3100**	Reversible gearmotor to combine with 001H1003 and 001H1103 operators.	**£125.00**
	Accessories for: 001H1103 and 001H2103	
001**H3012**	Electroblocker for 001H1103 and 001H2103 reversible operators complete with release cord L = 5 m / 16.4 ft and handle.	**£45.00**
	Accessories for: 001H1003 and 001H2003	
001**H3001**	Safety casing for cord-release, complete with handle and command button.	**£62.00**

Electronic functions

The table shows all of the control panels features dedicated to rolling-shutter operators. Those highlighted in bold are important when choosing which automation to install and should be considered from the start.

Dimensions (mm)



002ZR24

CAME

The models

Series	H1003 H1103 H2003 H2103	
Type	ZR24	
	230 V AC	
	SAFETY	
SELF-DIAGNOSIS of safety devices		
Opening and closing PRE-FLASHING		
RE-OPENING during closing	●	
RE-CLOSING during opening		
Obstacle STALL		
TOTAL STOP	●	
PARTIAL STOP		
OBSTACLE DETECTION in front of photocells		
ENCODER		
MOVEMENT CONTROL and OBSTACLE DETECTION device		
AMPEROMETRIC DETECTION		
	COMMAND	
1 leaf PEDESTRIAN OPENING		
* 1 leaf PARTIAL OPENING		
OPEN ONLY from the transmitter		
OPEN ONLY or CLOSE ONLY button connection		
OPEN-STOP-CLOSE-STOP button connection	●	
OPEN-CLOSE-REVERSE button connection	●	
MAINTAINED ACTION	●	
1st leaf DELAYED OPENING		
2nd LEAF DELAYED CLOSING		
IMMEDIATE CLOSING		
EMERGENCY RELEASE from the transmitter		
	FEATURES AND ADJUSTMENTS	
FLASHING LIGHT connection	●	
CYCLE LAMP connection		
COURTESY LAMP connection	●	
Antenna	●	
OPEN WARNING LIGHT connection		
CLOSE WARNING LIGHT connection		
Contact output for 2nd RADIO CHANNEL		
RUNNING TIME adjustment	●	
SELF-LEARNING of the transmitter's RADIO CODE	●	
ELECTRO-LOCK/ELECTRO-RELEASE and/or RAM BLOW connection		
Adjustable AUTOMATIC RE-CLOSING TIME	●	
OPENING and/or CLOSING slow-down		
EMERGENCY BATTERY operation (option)		
MASTER-SLAVE		
Adjustable RUNNING and SLOW-DOWN SPEED		
Signalling DISPLAY		
Electronic BRAKE		
Opening and closing endstop SELF-LEARNING		

● 230 V AC

Automation for:
PARKING SPACE SAVERS AND CHAIN BARRIERS

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CAME

Your selection guide

Parking space savers and chain barriers

The tables below summarise the series and models showing their limits based on the parking space's maximum width and clearance.

Series	Model	
	Max width of parking space (m/ft)	
	PARKING SPACE SAVERS	
Unipark	UNIP + ARK1	2m / 6.5ft
	UNIP + ARK 2	2.2m / 7.2ft

● 24 V DC INTENSIVE USE

Series	Model	
	Max width of passage clearance (m/ft)	
	CHAIN BARRIERS	
Cat	CAT-X + 9 mm-CHAIN	8m / 26ft
	CAT-X + 5 mm-CHAIN	16/53
	CAT-X24 + 9 mm-CHAIN	8m / 26ft
	CAT-X24 + 5 mm-CHAIN	16/53

● 230 V AC - ● 24 V DC INTENSIVE USE

24 V DC motors
are specifically designed for intensive use and are guaranteed to work even during power cuts.

Parking space savers and chain barriers

For single
PARKING SPACES
Ideal for car parks in apartment complexes and flats, offices, or anywhere a parking space needs to be reserved for authorised personnel.
Series: Unipark

For multiple
PARKING SPACES
Ideal for small apartment block car parks or when it is important to reduce the visual impact of the barrier.
Series: Cat

The flashing light: for added safety

CAME recommends the installation of the flashing light to indicate the presence of moving mechanical parts.

Also, KIARON and KIARO24IN provide easy programming of reminders for periodic maintenance thanks to their “movement counter” function. With this, installers can decide on a number of cycles, and once the limit is reached, an additional light signal warns that scheduled maintenance is due.

European Norms

An example of a European Regulation-compliant standard installation

Installation:
ON PUBLIC PREMISES
The system is installed in a public area or bordering with a public area.

User Type:
TRAINED
The system is activated only by users trained to use the automation.

Standard command type:
RADIO COMMAND
It allows the system control either by remote or fixed device impulses.

Solutions for a safe installation:
INFRARED-BEAM PHOTOCELLS
CAME synchronised infrared beam photocells of the Delta S series are ideal for safe and compliant installations. They are easy to install and incorporate modern design features.

Only one control panel to control up to 4 parking spaces.

002ZL22 with 002LM22 extension card is the control panel designed by CAME for the centralised management of four parking spaces. They can be easily and autonomously radio controlled simply by adding the 001RBE4N 4-channel radio module and plug-in radio frequency card.

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One or more parking spaces with Unipark

The products

- A Parking space saver operator
- D Control and battery charging card
- G Antenna
- L Control panel
- Q Junction box
- X Radio receiver
- Z Release device

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

Multiple parking spaces with Cat

The products

- A Post with operator
- B TX photocells
- C RX photocells
- a Post with counterweights and chain hooking
- D Control and battery charging card
- F Flashing light
- G Antenna
- H Command switch (key – code – card or transponder key fob).
- L Control panel
- Q Junction box
- X Radio receiver
- Z Release device

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

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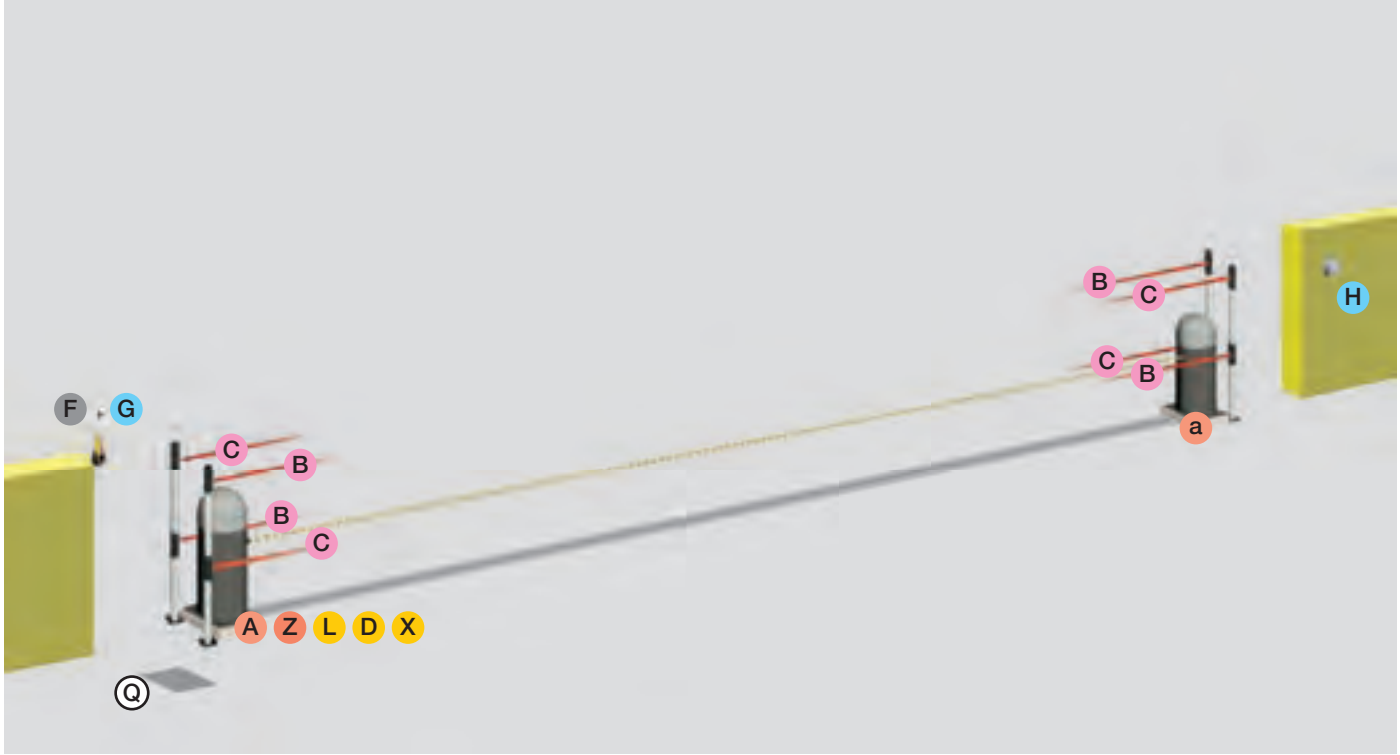
Multiple parking spaces and high traffic intensity with Cat



The products

- A Post with operator
- B TX photocells
- C RX photocells
- a Post with counterweights and chain hooking
- D Control and battery charging card
- F Flashing light
- G Antenna
- H Command switch (key – code – card or transponder key fob).
- L Control panel
- Q Junction box
- X Radio receiver
- Z Release device

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
230 V AC motor power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2.5 mm²
24 V DC motor power supply	2G x 1.5 mm²	2G x 1.5 mm²	2G x 2.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n x 0.5 mm²	*n x 0.5 mm²
24 V AC - DC and 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC and 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length.

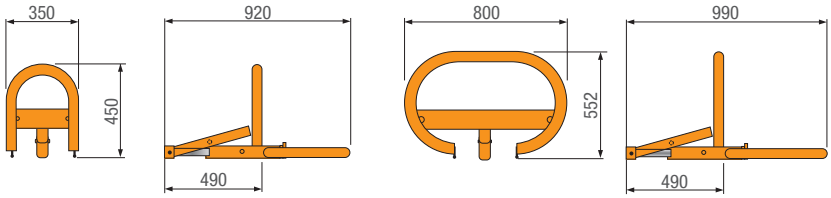
Unipark

Parking space up to 2.2 m / 7.2 ft

The ideal solution to apply to parking guards in both residential and public settings

- An innovative approach using a radio control to reserve designated parking spaces.
- Works in emergency mode during power cuts.
- Available in two models, small and large, and features a simple, functional anchoring base.
- Safety is ensured thanks to the obstacle detecting amperometric device which also manages the open/ close limits.

Dimensions (mm)



COLOUR: RAL 1028

Limits to use

MODEL	UNIP + ARK1	UNIP + ARK2
Max width of parking space (m/ft)	2 / 6.5	2.2 / 7.2

● 230 V AC ● 24 V DC

Technical features

Type	UNIP
Protection rating IP	IP54
Power supply (V - 50/60 Hz)	230 AC
Motor power supply (V - 50/60 Hz)	24 DC
Current draw (A)	1.7 MAX
Power (W)	20
Manoeuvre time (s)	10
Duty cycle (%)	INTENSIVE USE
Crush resistance (Kg/cm² - lb/in²)	2.5/0.85
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	-

● 230 V AC ● 24 V DC

The complete range

Code	Description	Price £ (Excl.	
	Parking space saver with 24 V DC operator		
001**UNIP**	Self-locking operator complete with fixing plate.	£191.00	
	Control panel for 24 V DC operators		
002**ZL22**	Control panel for one barrier with radio decoder (possibility of controlling up to four barriers with up to three additional 002LM22 cards).	£113.00	
	Accessories for: 002ZL22		
002**LM22**	Motor-management extension card.	£31.00	
002**LB22**	Card for connecting two 12 V - 1.2 Ah emergency batteries.	£32.00	
	Mandatory accessories		
001**ARK1**	"Small" barrier.	£95.00	
001**ARK2**	"Large" barrier.	£181.00	

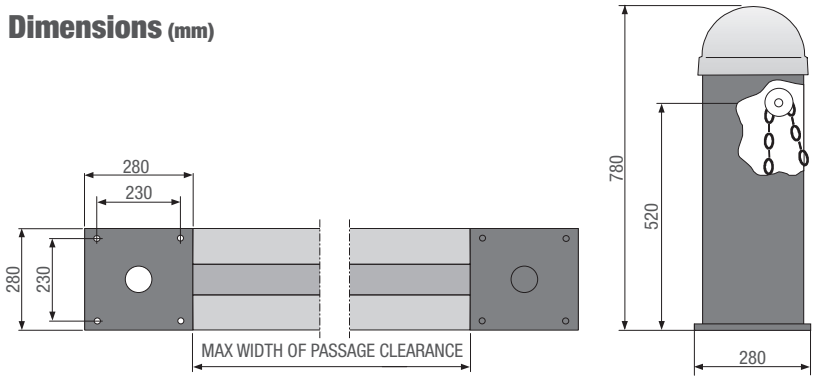
Cat

Passage clearance of up to 16 m / 53 ft

The ideal chain barrier solution for town-centres and car parks in public or private settings

- A CAME patented design for managing parking areas.
- Made of steel, this product is designed to withstand accidental impacts.
- The guide rails protect the chain when the device is lowered.
- The 24 V DC motor provides obstacle detection and chain-speed adjustments.
- Easy and quick to install.

Dimensions (mm)



Limits to use

MODEL	5 mm / 0.19" CHAIN (001CAT-15)	9 mm / 0.35" CHAIN (001CAT-5)
Max width of passage clearance (m/ft)	16 / 53	8 / 26

● 230 V AC ● 24 V DC

NOTE:
Cover colour: RAL 9006 - Cabinet colour: TEXTURED GREY - cod. 053 0837

Technical features

Type	CAT-X	CAT-X24
Protection rating IP	IP54	IP54
Power supply (V - 50/60 Hz)	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	24 DC
Current draw (A)	2.7	20 MAX
Power (W)	300	240
Manoeuvre time (s)	11	ADJUSTABLE
Duty cycle (%)	30	INTENSIVE USE
Traction force (Kg)	50/110	50/110
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131
Motor thermo protection (°C/°F)	150/302	-

● 230 V AC ● 24 V DC

The complete range

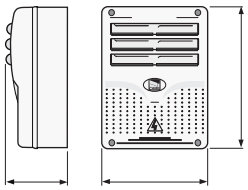
CAME

Code	Description	Price £ (Excl. VAT)
	230 V AC chain barrier	
001**CAT-X**	Post with operator and built-in control panel.	£885.00
	24 V DC chain barrier	
001**CAT-X24**	Post with operator and built-in control panel.	£1,185.00
	Accessories for: 001CAT-X24	
002**LB38**	Card for connecting three 12 V - 7 Ah emergency batteries.	£46.00
	Chain barrier bollard for: 001CAT-X - 001CAT-X24	
001**CAT-I**	Post with counterweights and chain hooking.	£455.00
	Accessories	
001**CAT-5**	9 mm / 0.35” genua-type chain for clearances up to 8 m / 26 ft.	£76.00
001**CAT-15**	5 mm / 0.19” genua-type chain for clearances up to 16 m / 53 ft.	£76.00
001**CAR-2**	Floor-level chain-protection guide (L = 2 m / 6.56 ft).	£115.00
001**CAR-4**	Underground chain-protection guide (L = 2 m / 6.56 ft).	£104.00

Electronic functions

The table shows all of the control panels features dedicated to parking space savers and chain-parking barriers.
Those highlighted in bold are important when choosing which automation to install and should be considered from the start.

Dimensions (mm)



002ZL22

CAME

The models

Series	CAT-X	CAT-X24	Unip
Type	ZC5	ZL37C	ZL22
	SAFETY		
SELF-DIAGNOSIS of safety devices			
Opening and closing PRE-FLASHING		●	
RE-OPENING during closing	●	●	●
RE-CLOSING during opening			
Obstacle STALL			
TOTAL STOP	●	●	●
PARTIAL STOP			
OBSTACLE DETECTION in front of photocells		●	
ENCODER			
MOVEMENT CONTROL and OBSTACLE DETECTION device			
AMPEROMETRIC DETECTION		●	●
	COMMAND		
1 leaf PEDESTRIAN OPENING			
1 leaf PARTIAL OPENING			
OPEN ONLY from the transmitter and/or the button			
OPEN ONLY or CLOSE ONLY button connection	●	●	
OPEN-STOP-CLOSE-STOP from the transmitter and/or the button			
OPEN-CLOSE-REVERSE from the transmitter and/or the button		●	●
MAINTAINED ACTION	●	●	
1st leaf DELAYED OPENING			
2nd LEAF DELAYED CLOSING			
IMMEDIATE CLOSING		●	
EMERGENCY RELEASE from the transmitter			
	FEATURES AND ADJUSTMENTS		
FLASHING LIGHT connection	●	●	
CYCLE LAMP connection			
COURTESY LAMP connection			
Antenna	●	●	●
OPEN WARNING LIGHT connection	●	●	
CLOSE WARNING LIGHT connection	●		
Contact output for 2nd RADIO CHANNEL			
RUNNING TIME adjustment			
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●
ELECTRO-LOCK/ELECTRO-RELEASE and/or RAM BLOW connection			
Adjustable AUTOMATIC RE-CLOSING TIME	●	●	
OPENING and/or CLOSING slow-down			
EMERGENCY BATTERY operation (option)		●	●
MASTER-SLAVE			
Adjustable RUNNING and SLOW-DOWN SPEED		●	
Signalling DISPLAY			
Electronic BRAKE			
Opening and closing endstop SELF-LEARNING			

● 230 V AC - ● 24 V DC INTENSIVE USE

Accessories for:
COMMAND AND SAFETY

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CAME

Your selection guide

Command and safety accessories

The range of accessories offered by CAME meets all command and safety requirements, in total compliance with european standards.
The following pages are designed to guide and simplify your choice when selecting the most suitable accessory to complete your installation. It also provides all the needed technical information for the broad range of CAME products.

Safety accessories

Product	Feature	Series	Type	Code
Photocells	For flush-mounting	Delta S	Synchro-infrared	001DELTA-SI
	For flush-mounting	Delta	Infrared	001DELTA-I
	For surface-mounting	Delta S	Synchro-infrared	001DELTA-SE
	For surface-mounting	Delta	Infrared	001DELTA-E
	For surface-mounting	Dir	Synchro-infrared	001DIR10
	For surface-mounting	Dir	Synchro-infrared	001DIR20
	For surface-mounting	Dir	Synchro-infrared	001DIR30
	For surface-mounting	Db	RX/TX cordless	001DBC01
	For surface-mounting	Db	Repeater module	001DBC03
	For surface-mounting	Db	Repeater module	001DBC04
	For surface-mounting	Db	RX/TX cordless	001DBS01
	For surface-mounting	Db	RX/TX cordless	001DBS02
	For surface-mounting	Db	Transmitter module	001DBCT
Sensitive edges	Mechanical	Df	Ready-to-use	001DF15
		Df	Ready-to-use	001DF17
		Df	Ready-to-use	001DF20
		Df	Ready-to-use	001DF25
		Df	To assemble	001TMF
		Df	To assemble	001TMF6
		Df	To assemble	001DFI
	Pneumatic	D	To assemble	009CP30
			To assemble	001PPA
			To assemble	001PPC
			To assemble	009TBP
			To assemble	009TP30
Flashing lights	230 V AC	Kiaro	Basic	001KIARON
		Kiaro	Xenon	001KIAROLXN
		Kiaro	Manoeuvre counter	001KIAROIN
	24 V AC - DC	Kiaro	Basic	001KIARO24N
		Kiaro	Manoeuvre counter	001KIARO24IN





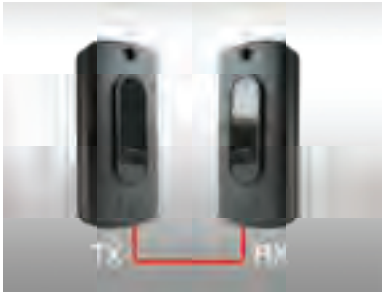


Command accessories

Product	Feature	Series	Type	Code
Home automation	For flush-mounting	Wave		001WA01 001WA02 001WI08
Selectors	For surface-mounting	S	Digital	001S5000 001S7000 001S9000
		S	Transponder	001TSP01
		S	With magnetic key	001SEM-2 001SEM-2
		S	With key	001SET-E 001SET-EN 001SET-J
	For flush-mounting	S	Digital	001S6000
		S	With key	001SET-I 001SET-K
Sensors	To build into the panel	S	Metal mass detection	009SMA 009SMA2 009SMA220
Transmitters	433.92 MHz	Atomo	Rolling code	001AT01 001AT02 001AT04
		Tam		001TAM-432SA 001T432 001T434 001T438
		Top		001TOP-432NA 001TOP-434NA 001TOP-432A 001TOP-434A 001TOP-432S
		Twin		001TWIN2 001TWIN4
	868.35 MHz	Top		001TOP-862NA 001TOP-864NA
	30.900 MHz	Tfm		001T152 001T154 001T158
		Top		001TOP-302A 001TOP-304A 001TOP-3022M
	40.685 MHz	Touch		001TCH-4024 001TCH-4048

Safety

General features



Photocells:
SYNCHRONISED INFRARED BEAMS

The beam synchronisation allows you to install several pairs of photocells into one system, even at different heights and/or distances without causing any interferences.

Photocells:
THE CORDLESS VERSION

Thanks to the cordless photocells, it is possible to set up perimeter protection of the automated installation even if not previously forseen by the original project.

The integrated protection system
PHOTOCELLS-SENSITIVE EDGES (Db + Df)

Thanks to infrared beam signal, it is possible to fit protective sensitive edges onto the moving gate-leaf without needing any complicated, expensive wiring retrofitting (only for the Bx-243, Bx and Bk automation series).

Flashing light:
THE ASSISTANT FLASHING LIGHT

001KIAROIN and 001KIARO24IN flashing lights can be set to flash after the operator has performed: 5,000 - 10,000 - 20,000 - 50,000 manoeuvres.
An integrated additional red light indicates this function (if activated) and allows programmable reminders of scheduled maintenance.

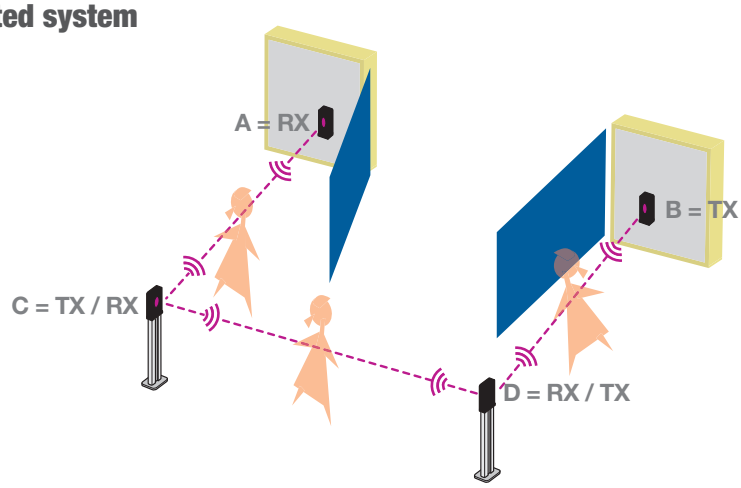
The new Delta S series photocells

Synchronised infrared beam technology allows 001DELTA-SI and 001DELTA-SE photocells to be installed without being obliged to invert transmitter and receiver positions when the pairs are close to each other.
Delta S therefore allows multiple installations without any beam interference between the different devices, also with Doc series posts and flush-mounting casings.

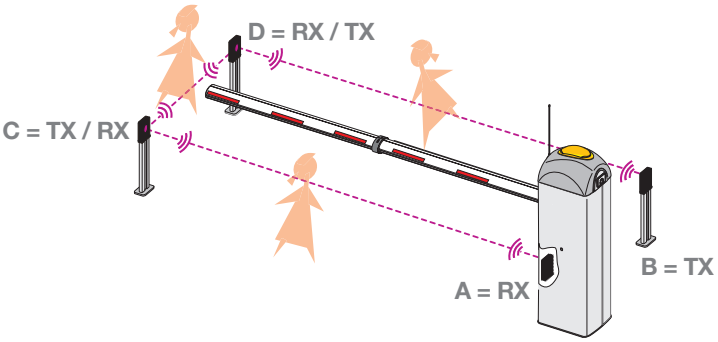
The Db PERIMETER PROTECTION integrated system

Example of perimeter protection
of an installation with a **SWING GATE**

A = 001DBC01 receiver
B = 001DBC01 transmitter
C = 001DBC03 repeater
D = 001DBC04 repeater

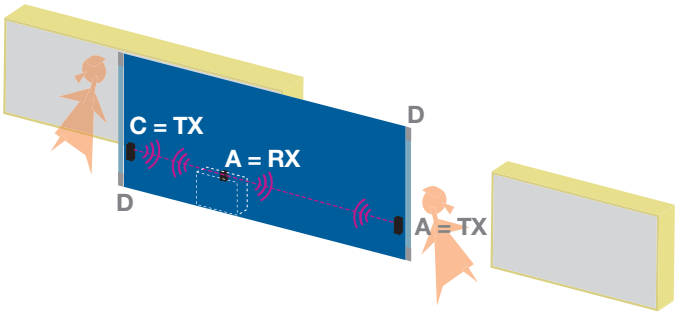


Example of perimeter protection
of an installation with a **ROAD BARRIER**
A = 001DBC01 receiver
B = 001DBC01 transmitter
C = 001DBC03 repeater
D = 001DBC04 repeater

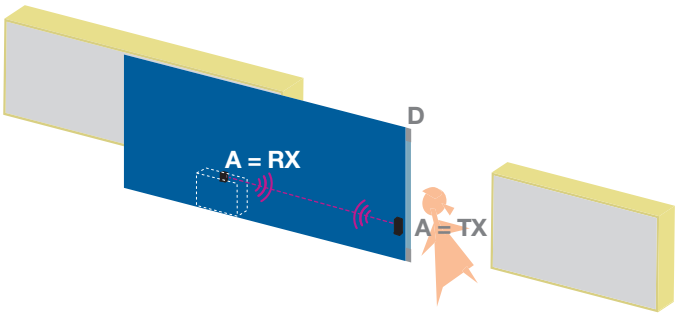


The Db + Df integrated system

Protection example with integrated system
photocells and sensitive edges with
BIDIRECTIONAL RECEIVER
A = Pair of 001DBS01 photocells
B = Pair of 001DBS02 photocells
C = 001DBCT transmitter module
D = Df series safety sensitive edges



Protection example with integrated system
photocells and sensitive edges with
MONODIRECTIONAL RECEIVER
A = Pair of 001DBS01 photocells
B = Pair of 001DBS02 photocells
D = Df series safety sensitive edges



Radio command

General features

CERTIFIED RADIO SYSTEMS
All CAME radio systems are certified to be used in both European and non-European countries.

Self-learning of the code
TRANSMITTER – RECEIVER
The dedicated receiver memorises the transmitter code.

Self-learning of the code
TRANSMITTER – TRANSMITTER
Duplicates one transmitter's code onto another transmitter.

Code
MULTI-USER
Each transmitter button emits different codes, to control independent separate installations, which are within the same range of control.

TRANSPONDER FUNCTION
The transmitter is made to fit a TAG, which allows combined use of radio and transponder with a single device.

Eight
CHANNELS
One transmitter controls eight-separate channels.

CAME

Features

	Model	Self-learning TRANSMITTER - TRANSMITTER	MULTI-USE	TRANSPONDER MODE	8 CHANNELS
Atomo 433.92 MHz	AT01		●	●	
	AT02		●	●	
	AT04		●	●	
Tam 433.92 MHz	T432		●		
	T434		●		
	T438		●		●
	TAM-432SA	●	●		
Tfm 30.900 MHz	T152		●		
	T154		●		
	T158		●		●
Top 433.92 MHz	TOP-432NA	●	●	●	
	TOP-434NA	●	●	●	
	TOP-432A		●		
	TOP-434A				
	TOP-432S				
Top 868.35 MHz	TOP-862NA	●	●	●	
	TOP-864NA	●	●	●	
Top 30.900 MHz	TOP-3022M		●		
	TOP-302A				
	TOP-304A				
Touch 433.92 MHz	TCH-4024	●	●	●	
	TCH-4048	●	●	●	●
Twin 433.92 MHz	TWIN2	●	●	●	
	TWIN4	●	●	●	

TRANSMITTER - RECEIVER combinations

		CARDS PLUG-IN RECEIVERS								SURFACE-MOUNTED RECEIVERS								RADIO MODULES	
	Model	AF43S	AF43SR	AF43SM	AF43TW	AF150	AF30	AF40	AF868	RE432RC	RBE4RC	RE432	RBE4MT	RE432TW	RE301	RE402	RE862	RBE4N	RBE42
Atomo 433.92 MHz	AT01		●							●									
	AT02		●							●	●								
	AT04		●							●	●								
Tam 433.92 MHz	T432	●		●								●	●					●	●
	T434	●		●								●	●					●	●
	T438	●		●								●	●					●	●
	TAM-432SA	●		●								●	●					●	●
Tfm 30.900 MHz	T152					●												●	●
	T154					●												●	●
	T158					●												●	●
Top 433.92 MHz	TOP-432NA	●		●								●	●					●	●
	TOP-434NA	●		●								●	●					●	●
	TOP-432A	●		●								●	●					●	●
	TOP-434A	●		●								●	●					●	●
	TOP-432S	●		●								●	●					●	●
Top 868.35 MHz	TOP-862NA								●								●	●	●
	TOP-864NA								●								●	●	●
Top 30.900 MHz	TOP-3022M						●								●			●	●
	TOP-302A						●								●			●	●
	TOP-304A						●								●			●	●
Touch 433.92 MHz	TCH-4024							●								●		●	●
	TCH-4048							●								●		●	●
Twin 433.92 MHz	TWIN2	●			●							●		●				●	●
	TWIN4	●			●							●		●				●	●

NOTE:
The radio module must be coupled to an AF plug-in radio frequency card. In order to choose the appropriate AF card, please check product pages dedicated to CAME transmitters.

Complete kits

CAME

TRA03 - 12-24 V DC Top series

433.92 MHz complete radio system for universal use

Code	Description	Quantity
001**TOP-432NA**	Bi-channel multi-user transmitter. 4,096 combinations with self-learning function.	2
001**RE432**	12 - 24 V AC - DC IP54 surface-mounted bi-channel receiver.	1
001**TOP-A433N**	Antenna.	1
001**TOP-RG58**	Antenna cable.	m 5

Price £ 143.00 (Excl. VAT)

TRA08 - 230 V AC Top series

433.92 MHz complete radio system for universal use

001**TOP-434NA**	4-channel multi-user transmitter. 4,096 combinations with self-learning function.	2
001**AF43S**	Plug-in radio frequency card.	1
001**RBE42**	230 V AC IP54 surface-mounted 4-channel radio module.	1
001**TOP-A433N**	Antenna.	1
001**TOP-RG58**	Antenna cable.	m 5

Price £ 226.00 (Excl. VAT)

TRA10 - 12-24 V DC Tam series

Complete 433.92 MHz multi-user radio system up to 999 codes (users)

001**TAM-432SA**	Bi-channel multi-user transmitter. 16,777,216 combinations with self-learning function.	2
001**RBE4MT**	12 - 24 V AC - DC IP54 surface-mounted 4-channel multi-user receiver to store up to 999 codes (users).	1
001**TOP-A433N**	Antenna.	1
001**TOP-RG58**	Antenna cable.	m 5

Price £ 277.00 (Excl. VAT)

Complete kits

CAME

TRA04 - 230 V AC H series

Complete command system with 433.92 MHz radio device for rolling shutters

Code	Description	Quantity
002**ZR24**	Control panel with built-in radio decoder.	1
001**TOP-432NA**	Bi-channel multi-user transmitter. 4,096 combinations with self-learning function.	1
001**AF43S**	Plug-in radio frequency card.	1

Price £ 153.00 (Excl. VAT)

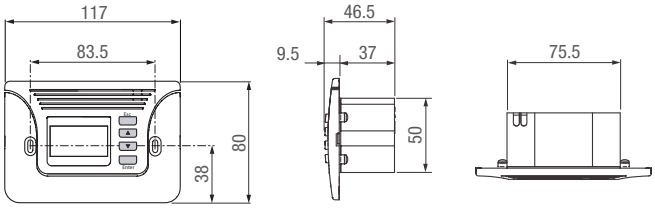
Wave

Home automation for up to 200 users

Ideal solution for controlling your house

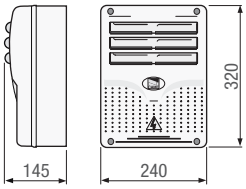
- Commands up to five devices.
- Programmable alarm clock in two time slots.
- Regulates temperatures.
- Programming and managing of: indoor and garden lights, alarm system, gate opening, garden sprinkler.
- Access control in stand-alone mode with transponder cards.
- Multi-language menu.
- Password protected access to programming functions.

Dimensions (mm)



001WA01 - 001WA02

Dimensions (mm)



001WI08 INTERFACE

Limits to use

MODEL	WA01	WA02
Max number of users	200	200
Fitted to be flush-mounted	503 BOX	503 BOX

● 230 V AC ● 12 V AC

Technical features

Type	WA01	WA02	WI08
Protection rating IP	IP40	IP40	IP54
Power supply (V - 50/60 Hz)	230 AC	12 DC	230 AC
Radio signal frequency (MHz)	433.92	433.92	-
230 V relais output (A)	1.5	-	5
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F
Material	ABS - PC - PA6 - PMMA	ABS - PC - PA6 - PMMA	ABS

● 230 V AC ● 12 V

The complete range

Code	Description	Price £ (Excl. VAT)	
	433.92 MHz 230 V AC radio control unit		
001**WA01**	Home automation transponder sensor with built-in “stand-alone” transmitter (max 200 users).	£175.00	
	433.92 MHz 12 V AC radio control unit and 230 V AC interface		
001**WA02**	Home automation transponder sensor with built-in transmitter.	£161.00	
001**WI08**	Interface unit to connect up to **eight** 001WA02.	£206.00	
	Accessories for: 001WA01 - 001WA02		
001**TST01**	ISO 7810 - 7813 format transponder card.	£10.00	
001**TST01-50**	Pack of 50 ISO 7810 - 7813 format transponder cards.	£425.00	
001**TST01-100**	Pack of 100 ISO 7810 - 7813 format transponder cards.	£725.00	
009**PCT**	Proximity key fob.	£10.00	
009**PCT-50**	Pack of 50 proximity key fobs.	£425.00	
009**PCT-100**	Pack of 100 proximity key fobs.	£725.00	
009**TAG**	Glass transponder bulb.	£13.00	
009**TAG-50**	Pack of 50 glass transponder bulbs.	£550.00	
009**TAG-100**	Pack of 100 glass transponder bulbs.	£995.00	

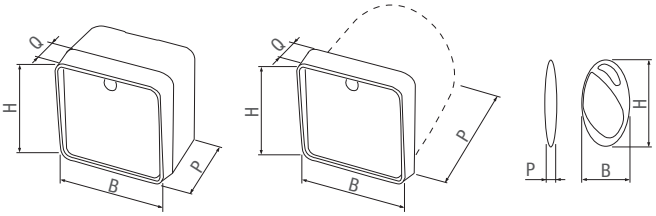
Set

Key switch selectors

Control for all automated devices

- Made of die-cast aluminium, the SET series is resistant to vandalism and tampering.
- Available in the versions with key, magnetic key and transponder.

Dimensions



SURFACE-MOUNTED FLUSH-MOUNTED 009PCT

Dimensions (mm/in)

MODEL	MOUNTING	B	H	P	Q
SET-I - SET-K - SEM2	FLUSH-MOUNTED	70/2.75	70/2.75	73/2.87	13/0.51
SET-E	SURFACE-MOUNTED	70/2.75	70/2.75	51/2	13/0.51
SET-EN	SURFACE-MOUNTED	70/2.75	70/2.75	51/2	13/0.51
SET-J - TSP01	SURFACE-MOUNTED	70/2.75	70/2.75	32/1.25	13/0.51
SEM2	SURFACE-MOUNTED	70/2.75	70/2.75	73/2.87	13/0.51
SMA - SMA2 - SMA220	TO BUILD INTO THE PANEL	23/0.9	94/3.7	92/3.62	-
PCT	-	33/1.29	49/1.92	4/0.15	-
TST01	-	ISO7810 - 7813 (85 x 54 mm)			

Technical features

Type	SET-I	SET-E - SET-EN	SET-J	SET-K	SEM2	TSP01	SMA - SMA2	SMA220
Protection rating IP	IP54	IP54	IP54	IP54	IP54	IP54	-	-
Power supply (V)	-	-	-	-	-	-		230 AC
Contacts output (A - V)	1 - 24	1 - 24	3 - 24	3 - 24	1 - 24	5 - 24	5 - 24	5 - 24
Max number of associable cards	-	-	-	-	-	250	-	-
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131							
Material	ALUMINIUM ALLOY	ALUMINIUM ALLOY	ALUMINIUM ALLOY	ALUMINIUM ALLOY	ALUMINIUM ALLOY	ALUMINIUM ALLOY	ABS	ABS

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	Key-switches	
001**SET-I**	Flush-mounted key switch with aluminium alloy casing and DIN cylinder.	£41.00
001**SET-E**	Surface-mounted key switch with aluminium alloy casing and DIN cylinder.	£43.00
001**SET-EN**	Black-varnished, surface-mounted key switch with aluminium alloy casing and DIN cylinder.	£44.00
001**SET-K**	Flush-mounted key switch with aluminium alloy casing, lock protecting flap-door and cylinder.	£35.00
001**SET-J**	Surface-mounted key switch with aluminium alloy casing, lock protecting flap-door and cylinder.	£36.00
	Magnetic-key switches	
001**SEM-2**	Surface-mounted magnetic key switch with aluminium alloy casing.	£211.00
	Transponder sensors	
001**TSP01**	"Stand-alone" transponder for card, key-fob and TAGs for up to 250 users.	£98.00
	24 V AC - DC magnetic sensors	
009**SMA**	24 V AC - DC one-channel magnetic induction loop sensor.	£210.00
009**SMA2**	24 V AC - DC bi-channel magnetic induction loop sensor.	£297.00
	230 V AC magnetic sensors	
009**SMA220**	230 V AC bi-channel magnetic induction loop sensor.	£297.00
	Accessories for: 001SET-I - 001SET-K - 001TSP01	
001**CSS**	Natural anodised aluminium post. H = 1 m / 3.28 ft.	£57.00
001**CSSN**	Black anodised aluminium post. H = 1 m / 3.28 ft.	£57.00
	Accessories for: 001SEM-2	
001**SEC**	Code magnetic key.	£5.00
001**CLM**	Natural anodised aluminium post H = 1 m / 3.28 ft with tamper-proof support.	£67.00
001**CLMN**	Black anodised aluminium post H = 1 m / 3.28 ft with tamper-proof support.	£67.00
	Accessories for: 001TSP01	
001**TST01**	ISO 7810 - 7813 format transponder card. (also available in packs of 50 and 100. See p.179)	£10.00
009**PCT**	Proximity key fob. (also available in packs of 50 and 100. See p.179)	£10.00
009**TAG**	Glass transponder bulb. (also available in packs of 50 and 100. See p.179)	£13.00

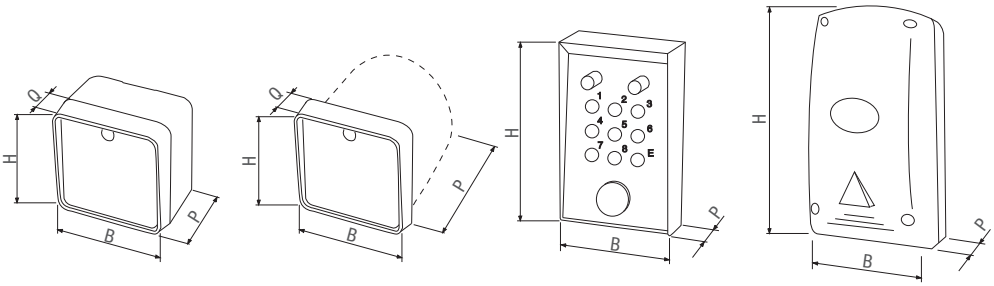
Digital

Digital keypads

Digital control for all automated devices

- Safe and reliable thanks to the electronic anti-break-in system.
- Also with radio even for those systems not specifically designed to work with radio.
- Made of aluminium and stainless steel for resistance, reliability and duration over time.

Dimensions



001S7000
001S9000

001S6000

001S5000

Dimensions (mm/in)

MODEL	MOUNTING	B	H	P	Q
S5000	SURFACE-MOUNTED	80/3.14	130/5.11	40/1.57	-
S6000	FLUSH-MOUNTED	70/2.75	70/2.75	73/2.87	13/4.84
S7000	SURFACE-MOUNTED	70/2.75	70/2.75	51/2	13/4.84
S9000	SURFACE-MOUNTED	70/2.75	70/2.75	32/1.25	13/4.84
S0001 - S0002	SURFACE-MOUNTED	124/4.88	84/3.30	62/2.44	-
S0004N	SURFACE-MOUNTED	115/4.52	225/8.85	87/3.42	-

● 12 - 24 V AC - DC

Technical features

Type	S0001	S0002	S0004N	S9000
Protection rating IP	IP54	IP54	IP54	IP54
Power supply (V)	12 - 24 AC - DC	12 - 24 AC - DC	12 - 24 AC - DC	1 GP23A 12 V DC BATTERY
Combinations	16,777,216	1,679,616	1,679,616	1,562,500
Radio signal frequency (MHz)	-	-	-	433.92
Code ciphres	8 MAX	6 MAX	6 MAX	8 MAX
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F
Material	ALUMINIUM ALLOY - STEEL	ALUMINIUM ALLOY - STEEL	ALUMINIUM ALLOY - STEEL	ALUMINIUM ALLOY - STEEL

● 12 - 24 V AC - DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	Keypad digital selectors	
001**S5000**	Galvanized and painted steel surface-mounted keypad with illuminated panel. 16,777,216 combinations.	£139.00
001**S6000**	Flush-mounted keypad. 1,679,616 combinations.	£66.00
001**S7000**	Surface-mounted keypad. 1,679,616 combinations.	£65.00
001**S9000**	433.92 MHz surface-mounted radio keypad with 4 storable codes and programming-access password. 1,562,500 combinations (390,625 possible combinations per each code).	£117.00
	Accessories for: 001S5000 - 001S6000 - 001S7000	
001**S0001**	One-channel card.	£60.00
001**S0002**	Bi-channel card.	£72.00
001**S0004N**	4-channel card. Possibility of radio controlling the 1st channel	£108.00
	433.92 MHz plug-in receivers for: 001S9000	
001**AF43S**	Plug-in radio frequency card.	£28.00
001**AF43SM**	Plug-in radio frequency card with “eeprom” to store up to 128 codes (users).	£82.00
	433.92 MHz surface-mounted receivers for: 001S9000	
001**RE432**	12 - 24 V AC - DC IP54 surface-mounted bi-channel receiver.	£62.00
001**RBE4MT**	12 - 24 V AC - DC IP54 surface-mounted 4-channel multi-user receiver to store up to 999 codes (users).	£184.00
	Accessories for: 001S6000 - 001S9000	
001**CSS**	Natural anodised aluminium post. H = 1 m / 3.28 ft.	£57.00
001**CSSN**	Black anodised aluminium post. H = 1 m / 3.28 ft.	£57.00

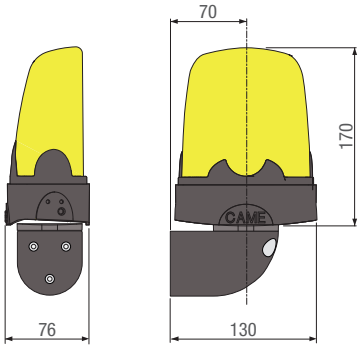
Kiaro

Flashing lights

Flashing light with manoeuvre counter function

- Careful design and highest quality materials for a flashing light that provides much more than just a light signal.
- Some models feature a special gate-run counter function that can be used to indicate when the system requires scheduled maintenance.
- A wall-mounting support to solve any installation issues.

Dimensions (mm)



Type of lamp (W)

MODEL	LAMP	MANOEUVRE COUNTER
KIARON	25	-
KIAROIN	25	YES
KIAROLXN	6 XENON	-
KIARO24N	25	-
KIARO24IN	25	YES

● 230 V AC ● 24 V AC - DC

Technical features

Type	KIARON	KIAROIN	KIAROLXN	KIARO24N	KIARO24IN
Protection rating	IP54	IP54	IP54	IP54	IP54
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	24 - 24 AC - DC	24 - 24 AC - DC
Duty cycle (%)	50	50	50	50	50
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F
Material	ABS - POLYCARBONATE	ABS - POLYCARBONATE	ABS - POLYCARBONATE	ABS - POLYCARBONATE	ABS - POLYCARBONATE

● 230 V AC ● 24 V AC - DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)	
	230 V AC flashing lights		
001**KIARON**	Flashing light.	£31.00	
001**KIARONLXN**	Flashing light with xenon lamp.	£54.00	
001**KIAROIN**	Flashing light with manoeuvres counter function.	£59.00	
	24 V AC - DC flashing lights		
001**KIARO24N**	Flashing light.	£39.00	
001**KIARO24IN**	Flashing light with manoeuvres counter function.	£64.00	
	Accessories		
001**KIAROS**	Wall fixing bracket.	£8.00	

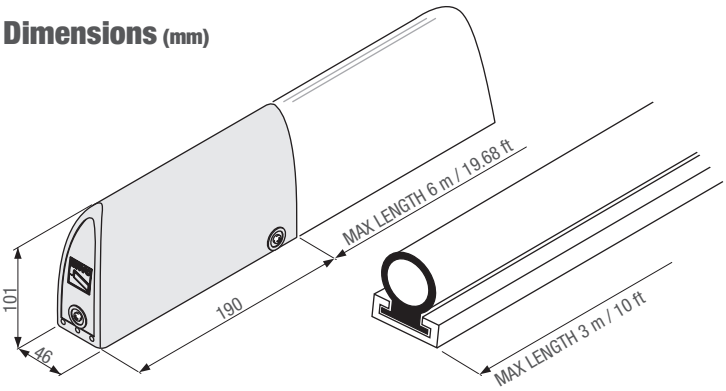
Df

Safety sensitive edges up to 6 m / 19.68 ft

Certified sensitive edges for total protection

- Exclusively patented by CAME for total protection from mechanical hazards.
- The right solution for a high-level of safety and quality of the automated installation.
- An EN 12978 and EN 954-1 compliant product.

Dimensions (mm)



Df CP30

Limits to use

MODEL	DF15 - DF17 - DF20 - DF25	CP30	BRC15
Max length of assemblable profile (m/ft)	6/19.68	3/9.84	15/49.21
Max speed measured on leaf edge (m/min - ft/min)	12/39.37	-	-
Max length of cable collector system 001BRC15 (m/ft)	-	-	15/49.21

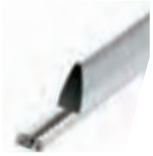
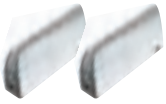
Technical features

Type	DF15 - DF17 - DF20 - DF25 - TMF - TMF6	CP30
Protection rating IP	IP54	IP54
24 V relais output (A)	1	-
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F
Material	TPE 65 SHORT A	TPE 65 SHORT A

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	Safety sensitive edges	
001**DF15**	Safety sensitive mechanical edge - length 1.5 m / 4.92 ft.	£77.00
001**DF17**	Safety sensitive mechanical edge - length 1.7 m / 5.57 ft.	£81.00
001**DF20**	Safety sensitive mechanical edge - length 2 m / 6.56 ft.	£90.00
001**DF25**	Safety sensitive mechanical edge - length 2.5 m / 8.2 ft.	£103.00
	Components to assemble safety sensitive edges	
001**CMP**	Rubber and aluminium profile for sensitive edges. Max length 4 - 6 m / 13.12 - 19.68 ft.	per m £45.00
001**TMF**	Set of caps and mechanisms for maximum 4 m / 13.12 ft long safety sensitive edges.	£41.00
001**TMF6**	Set of caps and mechanisms for maximum 6 m / 19.68 ft long safety sensitive edges.	£59.00
	Components for: Df series and assembled safety sensitive edges	
001**DFI**	Self-diagnosing card for electrical connections.	£30.00
	Cable collecting devices	
001**BRC15**	Power cable collecting device for safety sensitive edges for sliding gates of up to 15 m / 49.21 ft in length.	£633.00
001**BRCP**	Aluminium profile for extension L = 5.10 m / 16.4 ft to couple with a 001BRC15. Application example: on a 15 m sliding gate set up: 1 x 001BRC15 + 3 x 001BRCP.	£135.00
	Pneumatic sensitive edges	
009**CP30**	Rubber and aluminium profile for pneumatic sensitive edges. H = 30 mm / 1.18” (Max length 3 m / 10 ft).	per m £11.00
001**PPA**	N.O. contact pressure-switch.	£15.00
001**PPC**	N.C. contact pressure-switch.	£15.00
009**TBP**	Connector tube for 001PPC and 001PPA.	per m £1.50
009**TP30**	Rubber cap for pneumatic sensitive edges H = 30 mm / 1.18”.	£0.50


NOTE:
001DFI is 12 - 24 V AC - DC.

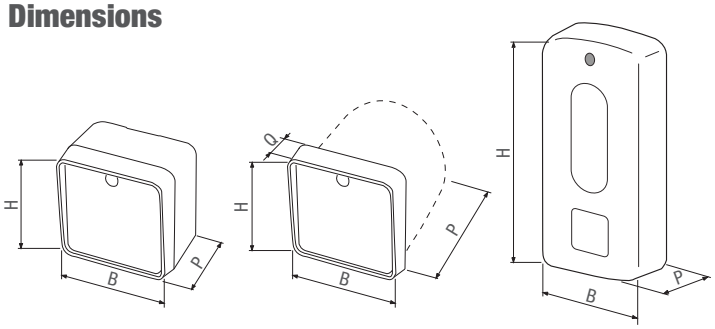
Delta-Dir-Delta S

Photocells

Safety devices for gates and doors in movement

- Controlling of the gate movement areas.
- Infrared beam, even synchronised, to fend off possible external signal disturbances.
- For the Dir series photocells a double height post is available for installations on passage ways where heavy vehicles transit.
- CAME introduces its Delta series infrared beam and Delta S synchronised beam photocells: one design for surface and flush-mounted applications.
- High-grade of protection from environmental agents.

Dimensions



001DELTA-E
001DELTA-SE

001DELTA-I
001DELTA-SI

001DIR10
001DIR20
001DIR30

Dimensions (mm/in)

MODEL	MOUNTING	B	H	P	Q
DELTA -E	SURFACE-MOUNTED	70/2.75	70/2.75	36/1.41	-
DELTA -SE	SURFACE-MOUNTED	70/2.75	70/2.75	36/1.41	-
DELTA -I	FLUSH-MOUNTED	70/2.75	70/2.75	52/2.04	16/0.62
DELTA -SI	FLUSH-MOUNTED	70/2.75	70/2.75	52/2.04	16/0.62
DIR10 - DIR20 - DIR30	SURFACE-MOUNTED	46/ 1.81	108/4.25	23/0.9	-

● 12 - 24 V AC - DC

Limits to use

MODEL	DELTA-E - DELTA-I	DELTA-SE - DELTA-SI	DIR10	DIR20	DIR30
Max range (m/ft)	20/65.61	20/65,61	10 /32.8	20/65.62	30/98.42

● 12 - 24 V AC - DC

Technical features

Type	DELTA-E - DELTA-I	DELTA-SE - DELTA-SI	DIR10 - DIR20 - DIR30
Protection rating IP	IP54	IP54	IP54
Power supply (V)	12 - 24 AC - DC	12 - 24 AC - DC	12 - 24 AC - DC
24 V relais output (mA)	500	500	1000
24 V AC current draw (mA)	110	70	60
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F
Material	ABS - POLYCARBONATE	ABS - POLYCARBONATE	ABS - POLYCARBONATE

● 12 - 24 V AC - DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	Delta series infrared beam photocells	
001**DELTA-I**	Pair of flush-mounted photocells complete with casing. Range: 20 m / 65.62 ft.	£58.00 NEW
001**DELTA-E**	Pair of surface-mounted photocells. Range: 20 m / 65.62 ft.	£62.00 NEW
	Dir series photocells with synchronised infrared beam	
001**DIR10**	Pair of photocells. Range: 10 m / 32.8 ft.	£45.00
001**DIR20**	Pair of photocells. Range: 20 m / 65.62 ft.	£62.00
001**DIR30**	Pair of photocells. Range: 30 m / 98.42 ft	£74.00
	Delta S series photocells with synchronised infrared beam	
001**DELTA-SI**	Pair of flush-mounted photocells complete with casing. Range: 20 m / 65.62 ft.	£56.00 NEW
001**DELTA-SE**	Pair of surface-mounted photocells. Range: 20 m / 65.62 ft.	£58.00 NEW
	Accessories for: 001DELTA-I - 001DELTA-SI	
009**DOC-S**	Flush-mounted casing.	£3.00
001**DOC-L**	Natural anodised aluminium post. H = 500 mm / 1.64 ft.	£37.00
001**DOC-LN**	Black anodised aluminium post. H = 500 mm / 1.64 ft.	£37.00
	Accessories for: 001DELTA-E - 001DELTA-SE	
001**DOC-R**	Steel support for pillar surface mounting.	£6.00
	Accessories for: 001DIR10 - 001DIR20 - 001DIR30	
001**DIRZ**	Aluminium alloy impact-proof protection.	£23.00
001**DIR-S**	Flush-mounted casing.	£3.00
001**DIR-L**	Natural anodised aluminium post. H = 500 mm / 1.64 ft.	£29.00
001**DIR-LN**	Black anodised aluminium post. H = 500 mm / 1.64 ft.	£29.00
	Accessories for: 001DIR-L e 001DIR-LN	
001**DIR-P**	Natural anodised aluminium extension H = 500 mm / 1.64 ft post. To apply with double pair of photocells.	£19.00
001**DIR-PN**	Black anodised aluminium extension H = 500 mm / 1.64 ft post. To apply with double pair of photocells.	£19.00














NOTE:
001DELTA-I - 001DELTA-E Max number of pairs of photocells on a single installation: 4.

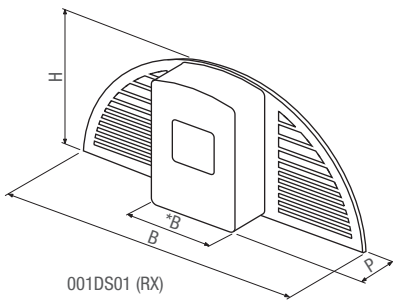
Db

Cordless photocells

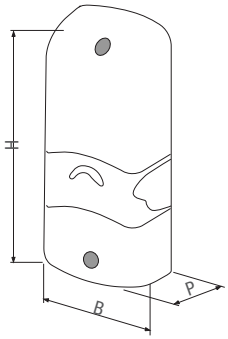
Infrared beam safety device

- The cordless photocells for easy perimeter coverage thanks to the bi-directional beam emitted by the repeaters and transmitters.
- Battery power for even easier handling.
- The 001DBS01 and 001DBS02 photocells with Df sensitive edges: photocells beam transmission onto the moving gate leaf edge ensures a total safety and protection.

Dimensions



001DS01 (RX)



001DBC01
001DBC03
001DBC04
001DBS01 (TX)
001DBS02
001DBCT

Dimensions (mm/in)

MODEL	MOUNTING	B	H	P
DBC01	SURFACE-MOUNTED	52/2.04	140/5.51	25/0.98
DBC03	SURFACE-MOUNTED	52/2.04	140/5.51	25/0.98
DBC04	SURFACE-MOUNTED	52/2.04	140/5.51	25/0.98
DBS01 (TX)	SURFACE-MOUNTED	52/2.04	140/5.51	25/0.98
DBS01 (RX)	SURFACE-MOUNTED	150/5.90 - *46/1.81	71/2.79	25/0.98
DBS02	SURFACE-MOUNTED	52/2.04	140/5.51	25/0.98
DBCT	SURFACE-MOUNTED	52/2.04	140/5.51	25/0.98

● 12 - 24 V AC - DC

Limits to use

MODEL	DBC01 - DBC03 - DBC04 - DBS01 DBS02 - DBCT
Max range (m/ft)	10 /32.8

● 12 - 24 V AC - DC

Technical features

Type	DBC01 - DBC03 - DBC04	DBS01 - DBS02 - DBCT
Protection rating IP	IP54	IP54
Power supply (V)	12 - 24 AC - DC (only RX of 001DBC01)	12 - 24 AC - DC (only RX of 001DBS01 and 001DBS02)
Batteries (V)	4 x 1,5 AAA MIN 1000 mAH	4 x 1,5 AAA MIN 1000 mAH
24 V relais output (mA)	500	1
Current draw	DBC01 (TX 70 µA - RX 50 mA) - DBC03 (150 µA) - DBC04 (150 µA)	RX of 001DBS01 and 001DBS02 48 mA - TX 70 mA (24 V AC)
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F
Material	ABS - POLYCARBONATE	ABS - POLYCARBONATE

● 12 - 24 V AC - DC

The complete range

Code	Description	Price £ (Excl. VAT)
	Db series cordless photocells	
001**DBC01**	Pair of surface-mounted “cordless” photocells with synchronised mono-directional infrared beam. Range: 10 m / 32.8 ft (1 receiver + 1 transmitter with batteries).	£88.00
001**DBC03**	Surface-mounted repeater module with bi-directional infrared beam. Range: 10 m / 32.8 ft (1 lateral receiver + 1 front transmitter with batteries).	£64.00
001**DBC04**	Surface-mounted repeater module with bi-directional infrared beam. Range: 10 m / 32.8 ft (1 front receiver + 1 lateral transmitter with batteries).	£59.00
	Mobile connection systems for Df safety sensitive edges for automation systems of the series: Bx-243 - Bx - Bk	
001**DBS01**	Pair of cordless bi-directional infrared photocells with single contact output. Range: max 10 m / 32.8 ft. Built-in receiver and external transmitter with batteries.	£106.00
001**DBS02**	Pair of cordless bi-directional infrared photocells with double contact output. Range: max 10 m / 32.8 ft. Built-in receiver and external transmitter with batteries.	£113.00
	Accessories for: 001DBS02	
001**DBCT**	Surface-mounted battery-charged transmitter module. Range: max 10 m / 32.8 ft.	£37.00
	Accessories for: 001DBC01 - 001DBC03 - 001DBC04	
001**DB-L**	Natural anodised aluminium post. H = 500 mm / 1.64 ft.	£29.00
001**DB-LN**	Black anodised aluminium post. H = 500 mm / 1.64 ft.	£29.00





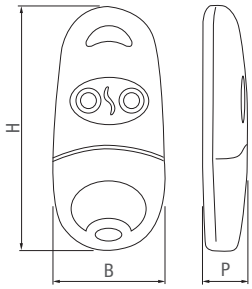
Atomo

433.92 MHz rolling code radio command

The ideal solution for multi-user settings with unclonable code.

- Rolling code: the “dynamic code” technology that guarantees signal safety and security.
- Transmitter to transmitter self-learning.
- Available with transponder function.
- Available in one-channel, two-channel and four-channel versions.
- 4,294,967,896 combinations.

Dimensions of transmitters



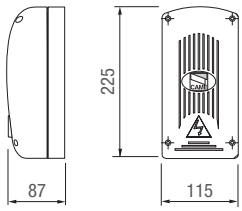
Dimensions (mm/in)

MODEL	B	H	P	Weight (g)
AT01	32/1.25	68/2.67	13/0.51	16
AT02	32/1.25	68/2.67	13/0.51	16
AT04	40/1.57	85/3.34	12/0.47	22

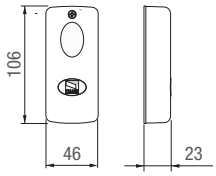
Limits to use

MODEL	Range (m)
AT01	50 - 150 / 160 - 500
AT02	50 - 150 / 160 - 500
AT04	50 - 150 / 160 - 500

Dimensions of receivers (mm)



001RBE4RC



001RE432RC

Technical features

Type	AT01 - AT02 - AT04
Batteries	2 X CR2016 LITHIUM
Combinations	4,294,967,896
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F
Material	ABS

The complete range

CAME

Code	Description	Price £ (Excl. VAT)	
	433.92 MHz rolling code transmitters		
001**AT01**	One-channel rolling code transmitter. 4,294,967,896 combinations.	£41.00	
001**AT02**	Bi-channel rolling code transmitter. 4,294,967,896 combinations.	£45.00	
001**AT04**	4-channel rolling code transmitter. 4,294,967,896 combinations.	£49.00	
	433.92 MHz plug-in rolling code receiver		
001**AF43SR**	Plug-in radio frequency card for max. 25 transmitters.	£98.00	
	433.92 MHz surface-mounted rolling code receivers		
001**RE432RC**	Surface-mounted bi-channel receiver for max. 25 transmitters - IP54, 12 - 24 V AC - DC.	£113.00	
001**RBE4RC**	12 - 24 V AC - DC IP54 surface-mounted 4-channel receiver for max. 500 transmitters, complete with 1 x 001AT04 transmitter (master).	£239.00	
	Accessories for: 001AT01 - 001AT02 - 001AT04		
009**TAG**	Glass transponder bulb.	£13.00	
009**TAG-50**	Pack of 50 glass transponder bulbs.	£550.00	
009**TAG-100**	Pack of 100 glass transponder bulbs.	£995.00	
001**P3V**	Pack of two 3V DC type CR2016 lithium batteries.	£4.00	
	Accessories for receivers		
001**TOP-A433N**	Antenna.	£20.00	
001**TOP-RG58**	Antenna cable.	per m £2.00	

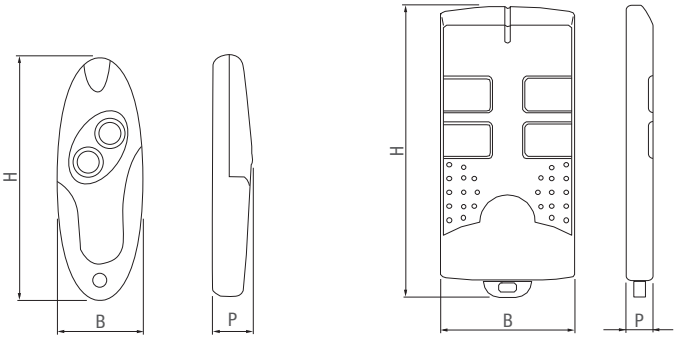
Tam

433.92 MHz radio command

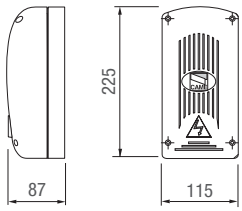
The ideal solution for apartment blocks

- A concentration of technology packed into just 12 grams.
- Transmitter to transmitter self-learning.
- Multi-user function.
- Available in versions from two to eight channels.
- 16,777,216 combinations.

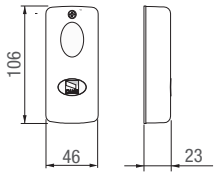
Dimensions of transmitters



Dimensions of receivers (mm)



001RBE4N
001RBE42
001RBE4MT



001RE432

Dimensions (mm/in)

MODEL	B	H	P	Weight (g)
TAM-432SA	24/0.94	68/2.67	12.5/0.49	12
T432	45/1.77	92/3.62	15/0.59	44
T434	45/1.77	92/3.62	15/0.59	46
T438	45/1.77	92/3.62	15/0.59	46

Limits to use

MODEL	Range (m)
TAM-432SA	50 - 150 / 160 - 500
T432	50 - 150 / 160 - 500
T434	50 - 150 / 160 - 500
T438	50 - 150 / 160 - 500

Technical features

Type	TAM-432SA	T432 - T434 - T438
Batteries	2 X CR2016 LITHIUM	1 x 12 V AAA
Combinations	16,777,216	16,777,216
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F
Material	ABS	ABS

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	433.92 MHz transmitters	
001**TAM-432SA**	Bi-channel multi-user transmitter. 16,777,216 combinations with self-learning function.	£35.00
001**T432**	Bi-channel multi-user transmitter. 16,777,216 combinations.	£40.00
001**T434**	4-channel multi-user transmitter. 16,777,216 combinations.	£42.00
001**T438**	8-channel multi-user transmitter. 16,777,216 combinations.	£43.00
	433.92 MHz plug-in receivers	
001**AF43S**	Plug-in radio frequency card.	£28.00
001**AF43SM**	Plug-in radio frequency card with “eeprom” to store up to 128 codes (users).	£82.00
	433.92 MHz surface-mounted receivers	
001**RE432**	12 - 24 V AC - DC IP54 surface-mounted bi-channel receiver.	£62.00
001**RBE4MT**	12 - 24 V AC - DC IP54 surface-mounted 4-channel multi-user receiver to store up to 999 codes (users).	£184.00
	230 V AC surface-mounted radio module	
001**RBE42**	230 V AC IP54 surface-mounted 4-channel radio module.	£116.00
	12 - 24 V AC - DC surface-mounted radio module	
001**RBE4N**	12 - 24 V AC - DC IP54 surface-mounted 4-channel multi-user radio module.	£95.00
	Accessories for: 001TAM-432SA	
001**P3VB**	Pack of two 3V DC type CR1620 lithium batteries.	£4.00
	Accessories for receivers	
001**TOP-A433N**	Antenna.	£20.00
001**TOP-RG58**	Antenna cable.	per m £2.00

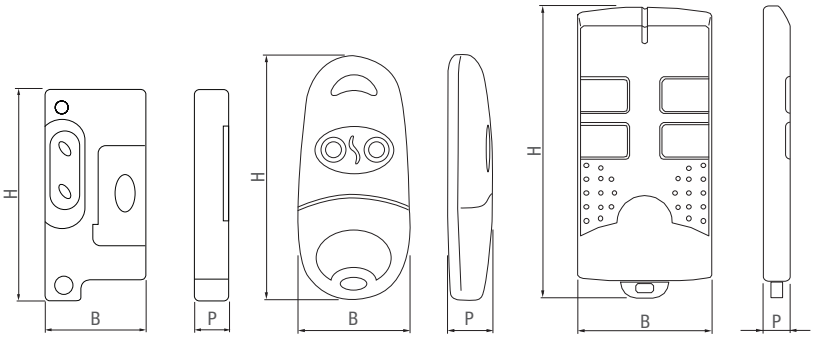
Top

433.92 MHz radio command

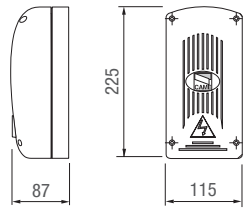
The ideal solution for residential properties

- Available in five radio command models.
- Transmitter to transmitter self-learning.
- Even with transponder function.
- 4,096 combinations.

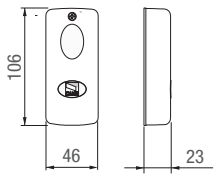
Dimensions of transmitters



Dimensions of receivers (mm)



001RBE4N
001RBE42
001RBE4MT



001RE432

Dimensions (mm/in)

MODEL	B	H	P	Weight (g)
TOP-432S	31/1.22	65/2.55	15/0,59	25
TOP-432NA	32/1.25	68/2.67	13/0.51	16
TOP-434NA	40/1.57	85/3.34	12/0.47	22
TOP-432A	45/1.77	92/3.62	15/0,59	44
TOP-434A	45/1.77	92/3.62	15/0,59	45

Limits to use

MODEL	Range (m)
TOP-432S	50 - 150 / 160 - 500
TOP-432NA	50 - 150 / 160 - 500
TOP-434NA	50 - 150 / 160 - 500
TOP-432A	50 - 150 / 160 - 500
TOP-434A	50 - 150 / 160 - 500

Technical features

Type	TOP-432NA - TOP-434NA	TOP-432A - TOP-434A - TOP-432S
Batteries	2 X CR2016 LITHIUM	1 x 12 V AAA
Combinations	4,096	1,024
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F	-20 ~ +55 / -4 ~ +131°C/°F
Material	ABS	ABS

The complete range

CAME

Code	Description	Price £ (Excl. VAT)	
	433.92 MHz transmitters		
001**TOP-432NA**	Bi-channel multi-user transmitter. 4,096 combinations with self-learning function.	£30.00	
001**TOP-434NA**	4-channel multi-user transmitter. 4,096 combinations with self-learning function.	£37.00	
001**TOP-432A**	Bi-channel transmitters. 1,024 combinations.	£33.00	
001**TOP-434A**	4-channel multi-user transmitter. 1,024 combinations.	£36.00	
001**TOP-432S**	Bi-channel miniaturised transmitter. 1,024 combinations.	£31.00	
	433.92 MHz plug-in receivers		
001**AF43S**	Plug-in radio frequency card.	£28.00	
001**AF43SM**	Plug-in radio frequency card with “eeprom” to store up to 128 codes (users).	£82.00	
	433.92 MHz surface-mounted receivers		
001**RE432**	12 - 24 V AC - DC IP54 surface-mounted bi-channel receiver.	£62.00	
001**RBE4MT**	12 - 24 V AC - DC IP54 surface-mounted 4-channel multi-user receiver to store up to 999 codes (users).	£184.00	
	230 V AC surface-mounted radio module		
001**RBE42**	230 V AC IP54 surface-mounted 4-channel radio module.	£113.00	
	12 - 24 V AC - DC surface-muonted radio module		
001**RBE4N**	12 - 24 V AC - DC IP54 surface-mounted 4-channel multi-user radio module.	£92.00	
	Accessories for: 001TOP-432NA - 001TOP-434NA		
009**TAG**	Glass transponder bulb.	£13.00	
009**TAG-50**	Pack of 50 glass transponder bulbs.	£550.00	
009**TAG-100**	Pack of 100 glass transponder bulbs.	£995.00	
001**P3V**	Pack of two 3V DC type CR2016 lithium batteries.	£4.00	
	Accessories for receivers		
001**TOP-A433N**	Antenna.	£20.00	
001**TOP-RG58**	Antenna cable.	per m £2.00	

NOTE:
001TOP-432NA - 001TOP-434NA Max number of operators with differentiated code suggested for a single installation: 20.
Ex.: an apartment block with 20 customised garage doors.

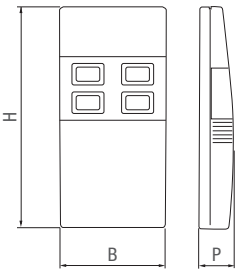
Twin

433.92 MHz radio command with KEY CODE

The ideal solution for both apartment blocks and multi-use settings

- Key Code transmitter. The password code protects the transmitter from unauthorised duplications.
- Available in either two or four channel versions.
- Available with transponder function.
- 4,294,967,896 combinations.
- Modern and elegant design.

Dimensions of transmitters



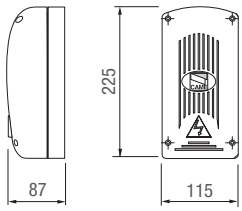
Dimensions (mm/in)

MODEL	B	H	P	Weight (g)
TWIN2	32/1.25	68/2.67	13/0.51	16
TWIN4	32/1.25	68/2.67	13/0.51	16

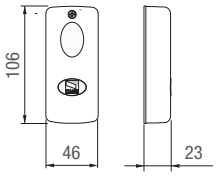
Limits to use

MODEL	Range (m)
TWIN2	50 - 150 / 160 - 500
TWIN4	50 - 150 / 160 - 500

Dimensions of receivers (mm)



001RBE4N
001RBE42



001RE432
001RE432TW

Technical features

Type	TWIN2 - TWIN4
Batteries	2 X CR2016 LITHIUM
Combinations	4,294,967,896
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F
Material	ABS

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	433.92 MHz transmitters with KEY CODE function	
001**TWIN2**	Bi-channel transmitter with KEY CODE function. 4,294,967,892 combinations.	£37.00
001**TWIN4**	4-channel transmitter with KEY CODE function. 4,294,967,892 combinations.	£39.00
	433.92 MHz receivers with KEY CODE function	
001**AF43TW**	Plug-in radio frequency card.	£40.00
	433.92 MHz receivers with KEY CODE function	
001**RE432TW**	12 - 24 V AC - DC IP54 surface-mounted bi-channel receiver.	£70.00
	433.92 MHz plug-in receivers	
001**AF43S**	Plug-in radio frequency card.	£28.00
001**AF43SM**	Plug-in radio frequency card with “eeprom” to store up to 128 codes (users).	£82.00
	433.92 MHz surface-mounted receivers	
001**RE432**	12 - 24 V AC - DC IP54 surface-mounted bi-channel receiver.	£62.00
	230 V AC surface-mounted radio module	
001**RBE42**	230 V AC IP54 surface-mounted 4-channel radio module.	£116.00
	12 - 24 V AC - DC surface-mounted radio module	
001**RBE4N**	12 - 24 V AC - DC IP54 surface-mounted 4-channel multi-user radio module.	£95.00
	Accessories for: 001TWIN2 - 001TWIN4	
009**TAG**	Glass transponder bulb.	£13.00
009**TAG-50**	Pack of 50 glass transponder bulbs.	£550.00
009**TAG-100**	Pack of 100 glass transponder bulbs.	£995.00
001**P3V**	Pack of two 3V DC type CR2016 lithium batteries.	£4.00
	Accessories for receivers	
001**TOP-A433N**	Antenna.	£20.00
001**TOP-RG58**	Antenna cable.	per m £2.00

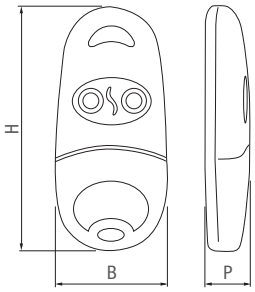
Top

868.35 MHz radio command

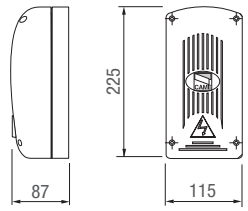
The ideal solution for residential properties

- Transmitter to transmitter self-learning.
- Available with transponder function.
- Multi-user function.
- 4,096 combinations.

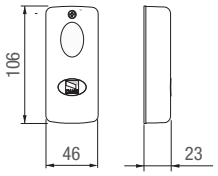
Dimensions of transmitters (mm)



Dimensions of receivers (mm)



001RBE4N
001RBE42



001RE862

Dimensions (mm/in)

MODEL	B	H	P	Weight (g)
TOP-862NA	32/1.25	68/2.67	13/0.51	16
TOP-864NA	40/1.57	85/3.34	12/0.47	22

Limits to use

MODEL	Range (m)
TOP-862NA	50 - 150 / 160 - 500
TOP-864NA	50 - 150 / 160 - 500

Technical features

Type	TOP-862NA - TOP-864NA
Batteries	2 X CR2016 LITHIUM
Combinations	4,096
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F
Material	ABS

The complete range

CAME

Code	Description	Price £ (Excl. VAT)	
	868.35 MHz transmitters		
001**TOP-862NA**	Bi-channel multi-user transmitter. 4,096 combinations with self-learning function.	£37.00	
001**TOP-864NA**	4-channel multi-user transmitter. 4,096 combinations with self-learning function.	£43.00	
	868.35 MHz plug-in receivers		
001**AF868**	Plug-in radio frequency card.	£29.00	
	868.35 MHz surface-mounted receivers		
001**RE862**	12 - 24 V AC - DC IP54 surface-mounted bi-channel receiver.	£62.00	
	230 V AC surface-mounted radio module		
001**RBE42**	230 V AC IP54 surface-mounted 4-channel radio module.	£116.00	
	12 - 24 V AC - DC surface-muonted radio module		
001**RBE4N**	12 - 24 V AC - DC IP54 surface-mounted 4-channel multi-user radio module.	£95.00	
	Accessories for: 001TOP-862NA - 001TOP-864NA		
009**TAG**	Glass transponder bulb.	£13.00	
009**TAG-50**	Pack of 50 glass transponder bulbs.	£550.00	
009**TAG-100**	Pack of 100 glass transponder bulbs.	£995.00	
001**P3V**	Pack of two 3V DC type CR2016 lithium batteries.	£4.00	
	Accessories for receivers		
001**TOP-A862N**	Antenna.	£21.00	
001**TOP-RG58**	Antenna cable.	per m £2.00	

NOTE:
001TOP-862NA - 001TOP-864NA Max number of operators with differentiated code suggested for a single installation: 20.
Ex.: an apartment block with 20 customised garage doors.

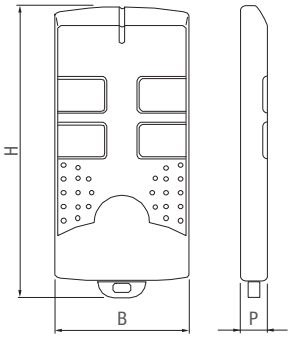
Top

30.900 MHz radio command

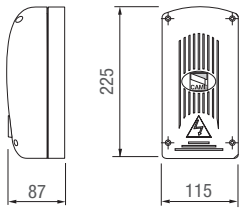
The ideal solution for residential properties

- The TOP-3022M transmitter features a double coded digital function and multi-user function.
- 1,024 combinations.

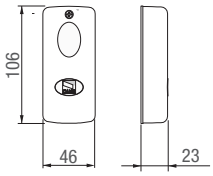
Dimensions of transmitters (mm)



Dimensions of receivers (mm)



001RBE4N
001RBE42



001RE301

Dimensions (mm/in)

MODEL	B	H	P	Weight (g)
TOP-302A	58/2.28	113/4.44	23/0.9	16
TOP-304A	58/2.28	113/4.44	23/0.9	22
TOP-3022M	40/1.57	88/3.46	20/0.76	30

Limits to use

MODEL	Range (m)
TOP-302A	50 - 150 / 160 - 500
TOP-304A	50 - 150 / 160 - 500
TOP-3022M	50 - 150 / 160 - 500

Technical features

Type	TOP-302A - TOP-304A - TOP-3022M
Batteries	1 x 12 V AAA
Combinations	1,024
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F
Material	ABS

The complete range

CAME

Code	Description	Price £ (Excl. VAT)	
	30.900 MHz transmitters		
001**TOP-302A**	Bi-channel transmitter. 1,024 combinations.	£41.00	
001**TOP-304A**	4-channel transmitter. 1,024 combinations.	£43.00	
001**TOP-3022M**	Multi-user bi-channel transmitter. 1,024 combinations.	£45.00	
	30.900 MHz plug-in receivers		
001**AF30**	Plug-in radio frequency card.	£43.00	
	30.900 MHz surface-mounted receivers		
001**RE301**	12 - 24 V AC - DC IP54 surface-mounted one-channel receiver.	£62.00	
	230 V AC surface-mounted radio module		
001**RBE42**	230 V AC IP54 surface-mounted 4-channel radio module.	£116.00	
	12 - 24 V AC - DC surface-mounted radio module		
001**RBE4N**	12 - 24 V AC - DC IP54 surface-mounted 4-channel multi-user radio module.	£95.00	
	Accessories for receivers		
001**TA309N**	Antenna.	£22.00	
001**TOP-RG58**	Antenna cable.	per m £2.00	

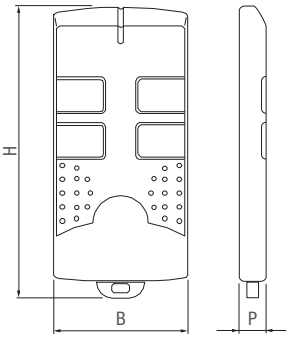
Tfm

30.900 MHz radio command

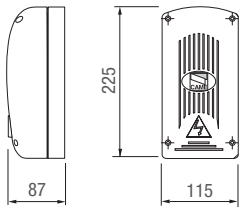
The ideal solution for apartment blocks

- Multi-user function.
- Available in versions from two to eight channels.
- 16,777,216 combinations.

Dimensions of transmitters



Dimensions of receivers (mm)



001RBE4N
001RBE42

Dimensions (mm/in)

MODEL	B	H	P	Weight (g)
T152	45/1.77	92/3.62	15/0.59	34
T154	45/1.77	92/3.62	15/0.59	56
T158	45/1.77	92/3.62	15/0.59	56

Limits to use

MODEL	Range (m)
T15	50 - 150 / 160 - 500
T154	50 - 150 / 160 - 500
T158	50 - 150 / 160 - 500

Technical features

Type	T152 - T154 - T158
Batteries	1 x 12 V AAA
Combinations	16,777,216
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F
Material	ABS

The complete range

Code	Description	Price £ (Excl. VAT)	
	30.900 MHz transmitters		
001**T152**	Bi-channel multi-user transmitter. 16,777,216 combinations.	£43.00	
001**T154**	4-channel multi-user transmitter. 16,777,216 combinations.	£45.00	
001**T158**	8-channel multi-user transmitter. 16,777,216 combinations.	£46.00	
	30.900 MHz plug-in receivers		
001**AF150**	Plug-in radio frequency card.	£44.00	
	230 V AC surface-mounted radio module		
001**RBE42**	230 V AC IP54 surface-mounted 4-channel radio module.	£116.00	
	12 - 24 V AC - DC surface-mounted radio module		
001**RBE4N**	12 - 24 V AC - DC IP54 surface-mounted 4-channel multi-user radio module.	£95.00	
	Accessories for receivers		
001**TOP-A309N**	Antenna.	£22.00	
001**TOP-RG58**	Antenna cable.	per m £2.00	

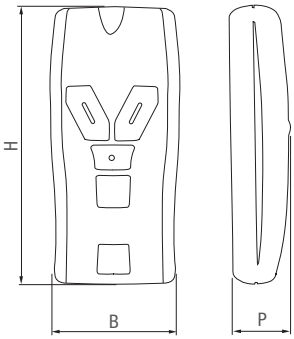
Touch

40.695 MHz radio command

The ideal solution for apartment blocks

- In the 2 +2 channels or 4 + 4 channels versions.
- The group of channels in use are shown by the light signal that may be either blue or red.
- Practical, with quartz technology and multi-user function.
- Harmonised frequency and ergonomic keys.
- 16,777,216 combinations.

Dimensions of transmitters



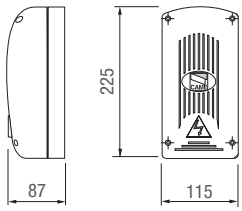
Dimensions (mm/in)

MODEL	B	H	P	Weight (g)
TCH-4024	40/1.57	86/3.38	17/0.66	45
TCH-4048	40/1.57	86/3.38	17/0.66	45

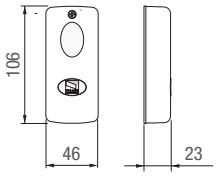
Limits to use

MODEL	Range (m)
TCH-4024	50 - 150 / 160 - 500
TCH-4048	50 - 150 / 160 - 500

Dimensions of receivers (mm)



001RBE4N
001RBE42

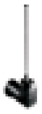


001RE402

Technical features

Type	TCH-4024 - TCH-4048
Batteries	1 x 12 V AAA
Combinations	16,777,216
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131°C/°F
Material	Polycarbonate - Rubber

The complete range

Code	Description	Price £ (Excl. VAT)	
	40.685 MHz transmitters		
001**TCH-4024**	2 + 2 channel multi-user transmitter. 16,777,216 combinations with self-learning function.	**£39.00**	
001**TCH-4048**	4 + 4 channel multi-user transmitter. 16,777,216 combinations with self-learning function.	**£41.00**	
	40,685 MHz plug-in receivers		
001**AF40**	Plug-in radio frequency card.	**£43.00**	
	40,685 MHz surface-mounted receivers		
001**RE402** 24	12 - 24 V AC - DC IP54 surface-mounted bi-channel receiver.	**£50.00**	
	230 V AC surface-mounted radio module		
001**RBE42**	230 V AC IP54 surface-mounted 4-channel radio module.	**£116.00**	
	12 - 24 V AC - DC surface-mounted radio module		
001**RBE4N** 24	12 - 24 V AC - DC IP54 surface-mounted 4-channel multi-user radio module.	**£95.00**	
	Accessories for: 001TCH-4024 - 001TCH-4048		
009**TAG**	Glass transponder bulb.	**£13.00**	
009**TAG-50**	Pack of 50 glass transponder bulbs.	**£550.00**	
009**TAG-100**	Pack of 100 glass transponder bulbs.	**£995.00**	
	Accessories for receivers		
001**TOP-A40**	Antenna.	**£22.00**	
001**TOP-RG58**	Antenna cable.	**per m £2.00**	

Automation for:
SWING AND SLIDING DOORS

Index

CAME

Your selection guide

Sliding and swing automatic doors

The table below summarises the series and models along with their maximum limits based on the weight of the door leaves.

Series	Model	Max door-leaf weight (Kg)
Corsa Sliding doors	CORSA 1	75 Kg
	CORSA 2	75 + 75 Kg
Rodeo Sliding doors	RODEO 1	125 Kg
	RODEO 2	125 + 125 Kg
Fly Swing doors	1100PB1100	250 Kg
	PB2100	250 + 250 Kg

● 24 V DC INTENSIVE USE

24 V DC motors
are specifically designed for intensive use and are guaranteed to work even during power cuts.

Automatic doors

The SWING door

It applies to any swing door, and can also be retro fitted.
Series: Fly

The SLIDING door

It quickly opens and closes taking up very little space. It is widely used especially in businesses and both private and public premises.
Series: Corsa - Rodeo

The ANTI-PANIC PUSH-TO-OPEN function

An electromechanical system for opening the sliding doors in emergency situations.
Series: Mi

dedicated ACCESSORIES

A broad range of dedicated safety and control accessories are available.
Radar, photocells, selectors, and emergency operation devices.
Series: Accessories

Profiles for automatic doors

Two series of profiles of automatic doors are available: the S20 and S40. Designed for easier installation of automatic door frames; they take into account every aspect, from aesthetics to the emergency operation mode.

One-leaf sliding door

The products

- A Operator for sliding door
- B TX photocells
- C RX photocells
- D Control and battery charging card
- X Pull-cord release device
- L Control panel
- Q Junction box
- A Radar
- B Function selector switch
- C Touch-panel sensor

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2,5 mm²
Function selector switch	7 x 0.5 mm²	7 x 0.5 mm²	7 x 0.5 mm²
12 - 24 V AC - DC touch-panel sensor	4 x 1 mm²	4 x 1 mm²	4 x 1 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length

CAME

Two-leaf sliding door

The products

- A Operator for sliding door
- B TX photocells
- C RX photocells
- D Control and battery charging card
- X Pull-cord release device
- L Control panel
- Q Junction box
- A Radar
- B Function selector switch
- C Touch-panel sensor

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2,5 mm²
Function selector switch	7 x 0.5 mm²	7 x 0.5 mm²	7 x 0.5 mm²
12 - 24 V AC - DC touch-panel sensor	4 x 1 mm²	4 x 1 mm²	4 x 1 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length

Swing doors

The products

- A Operators for swing doors
- B TX photocells
- C RX photocells
- D Control and battery charging card
- H Command switch
  (Key - Code - Transponder card or key fob)
- L Control panel
- Q Junction box
- A Radar
- B Function selector switch
- C Touch-panel sensor

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
230 V AC power supply	3G x 1.5 mm²	3G x 1.5 mm²	3G x 2,5 mm²
Function selector switch	7 x 0.5 mm²	7 x 0.5 mm²	7 x 0.5 mm²
12 - 24 V AC - DC touch-panel sensor	4 x 1 mm²	4 x 1 mm²	4 x 1 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²

*n° = see product assembly instructions - **Warning**: the cable section is merely indicative and may vary depending on the motor power and cable length

Bespoke Supply: CAME's added value

Corsa and Rodeo automation systems are supplied with dimensions specified by the customer and with the beam profile already drilled for fixing to the lintel or wall. Upon request customisation of varnishing is also possible for beam profiles and door profiles to get the best possible integration in terms of style.

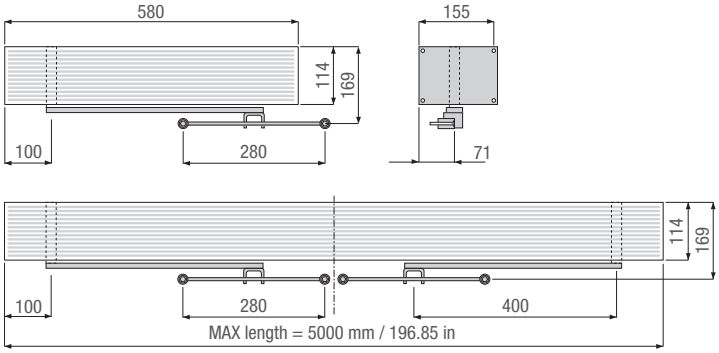
Fly

Door leaves of up to 250 Kg

The ideal solution for new and existing swing doors

- A safe and reliable solution for regulating pedestrian access.
- An easy-to-install operator.
- Ideal for automating swing doors in large premises such as: hospitals, airports, and public administration facilities.
- A safe installation thanks to the 24 V DC technology.
- Adjustable operation speed and slow-down.
- Electronic obstacle detection.

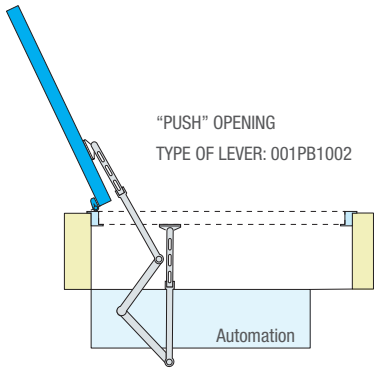
Dimensions (mm)

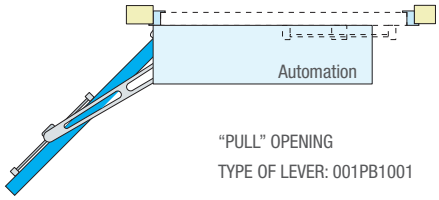


001PB1100

001PB2100

Application





Limits to use

MODEL	PB1100		
Max door-leaf width (m)	1.2	1	0.8
Maximum weight of door leaf (Kg)	150/330	200/440	250/550
MODEL	**PB2100**		
Max door-leaf width (m)	1.2 + 1.2	1 + 1	0.8 + 0.8
Maximum weight of door leaf (Kg)	150 + 150	200 + 200	250 + 250

● 24 V DC

NOTE:
MIN LENGTH OF BEAM PROFILE:
with 001PB1001 "PULL" OPENING LEVER = 1300 mm / 51.18"
with 001PB1002 "PUSH" OPENING LEVER = 1160 mm / 45.66"

Technical features

Type	PB1100	PB2100
Power supply (V - 50/60 Hz)	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	24 DC	24 DC
Current draw (A)	0.6	1.2
Power (W)	138	276
Manoeuvre time 90° (s)	2 - 5	2 - 5
Duty cycle (%)	INTENSIVE USE	INTENSIVE USE
Torque (Nm)	40	40
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131

● 24 V DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	Complete automation with 24 V DC operator	
001**PB1100**	Operator for one-leaf swing doors.	£798.00
001**PB2100**	Operator for two-leaf swing doors (without profile cover).	£1,575.00
	Accessories for: 001PB2100	
001**PF2100**	Profile cover.	£145.00
	Accessories	
001**PB1001**	Straight transmission-arm for “PULL” opening.	£92.00
001**PB1002**	Articulated transmission-arm for “PUSH” opening.	£117.00
001**MA7034**	Anti-panic system complete with two 12 V - 0.8 Ah batteries.	£141.00
001**MA7041**	Function selector switch.	£56.00
	Customised treatment	
119**COLOR12**	Extra coating.	£40.00







NOTE:
119COLOR12 only applicable to: 001PF2100
Customer requests for custom paint coatings are delivered at least 30 working days from receipt of order.
Paint coats are based on glossy or matt RAL colours.
WARNING: the cost for oxidation coats is calculated considering the amount of materials to be coated.

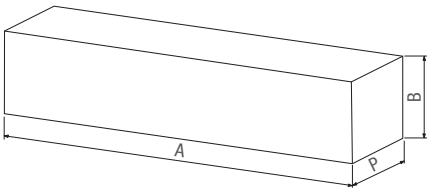
Accessories

For automatic swing doors

Infrared, touch-activated, volumetric and even remote controlled sensors

- Exclusive, distinguished style
- Releasing with customised key.
- One single opening and closing endstops adjustment when the automation is being installed.
- Simplified connection operations with one single three- or four-conductor cable.
- SELF-DIAGNOSING safety devices.
- Tested according to applicable rules and regulations.

Dimensions



Limits to use

MODEL	RANGE (m/ft)	MAX INSTALLATION HEIGHT (m/ft)
MF9011 - MF9111	7/22.96	
MR8334 - MR8370 - MR8390	-	2.5/8.2
MR8104 - MR8106 - MR8107	-	4/13.12
MR8105	-	5/16.40
MS9502	0.5/1.46	-

● 12 - 24 V DC

Dimensions (mm / in)

MODEL	A x B x P
MF9011 - MF9111	-
MR8334 - MR8370 - MR8390	340 - 700 - 900 x 43,5 x 47,5 / 13.38 - 27.55 - 35.43 x 1.71 x 1.84
MR8104 - MR8106 - MR8107	120 x 80 x 50 / 4.72 - 3.14 - 1.96
MR8105	120 x 80 x 50 / 4.72 - 3.14 - 1.96
MS9502	84 x 84 x 14 / 3.30 x 3.30 x 0.55

● 12 - 24 V DC

Technical features

Type	MF9011 - MF9111	MR8334 - MR8370 - MR8390
Contact type and range	NC - 50 V DC - 0.1 A (resistive load)	NC - 60 V DC - 125 V AC - 1 A (resistive load)
Power supply (V - 50/60 Hz)	24 AC - DC	12 AC - DC
Current draw (mA)	AC 125 MAX - DC 40 MAX	60 MAX
Intervention time	25 ms	< 50 ms
Recovery time	200 ms	-
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131

● 12 - 24 V DC

Technical features

Type	MR8104 - MR8105 - MR8106 - MR8107	MS9502
Contact type and range	1 A (resistive load)	1 A (resistive load)
Power supply (V - 50/60 Hz)	12 - 24 AC - DC	12 - 24 AC - DC
Current draw (mA)	-	-
Intervention time (s)	0.5 ÷ 9 (ADJUSTABLE)	0.5
Recovery time	-	-
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131

● 12 - 24 V DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	Micro-photocells	
001**MF9011**	Pair of flush-mounted, 24 V AC- DC infrared beam micro-photocells, with 7 m / 22.96 ft range, complete with shielded cable.	£85.00
001**MF9111**	Double pair of flush-mounted, 24 V AC- DC infrared beam micro-photocells, with 7 m / 22.96 ft range, complete with shielded cable.	£118.00
	Infrared safety radar with anti-masking.	
001**MR8334**	Safety radar *L = 340 mm / 13.38” with anti-masking function. 12 - 24 V AC - DC. Maximum application height = 2.5 m / 8.2 ft Beam diameter 2 m. Depth = 0.53 m. Detection span adjustable from 0.7 to 2.5 m.	£412.00
001**MR8370**	Safety radar *L = 700 mm / 27.55” with anti-masking function. 12 - 24 V AC - DC. Maximum application height = 2.5 m / 8.2 ft Beam diameter 2 m. Depth = 0.53 m. Detection span adjustable from 0.7 to 2.5 m.	£695.00
001**MR8390**	Safety radar *L = 900 mm / 35.43” with anti-masking function. 12 - 24 V AC - DC. Maximum application height = 2.5 m / 8.2 ft Beam diameter 2 m. Depth = 0.53 m. Detection span adjustable from 0.7 to 2.5 m.	£995.00
	Volumetric microwave radars	
001**MR8104**	Bidirectional volumetric microwave radar 12 – 24 V AC – DC. Setting via 001MRT001 remote control. Maximum application height = 4 m / 13.12 ft - BROAD ANTENNA depth of field = 2 m / 6.56 ft and length of field 4 m / 13.12 ft - NARROW ANTENNA depth of field = 2.5 m / 8.20 ft and length of field 2 m / 6.56 ft	£213.00
001**MR8105**	Bidirectional volumetric microwave radar 12 – 24 V AC – DC. Setting via 001MRT001 remote control. Maximum application height = 5 m / 16.40 ft - Detection area equal to: depth of field = 2.5 m / 8.20 ft and width of field 4 m / 13.12 ft.	£259.00
001**MR8106**	Mono-directional - bidirectional volumetric microwave radar 12 – 24 V AC – DC. Setting via 001MRT001 remote control. Maximum application height 4 m / 13.12 ft - BROAD ANTENNA depth of field = 2 m / 6.56 ft and length of field 4 m / 13.12 ft - NARROW ANTENNA depth of field = 2.5 m / 8.20 ft and length of field 2 m / 6.56 ft (in unidirectional mode it activates when with any approaching movement).	£332.00
001**MR8107**	Bidirectional volumetric microwave radar 12 – 24 V AC – DC. Manual setting. Maximum application height 4 m / 13.12 ft - Depth of field = 2 m / 6.56 ft and width of field 4 m / 13.12 ft - Depth of field 2.5 m / 8.20 ft and width of field 2 m / 6.56 ft	£175.00
	Accessories for: 001MR8104 - 001MR8105 - 001MR8106	
001**MRT001**	Remote control for volumetric microwave radars.	£38.00
	Accessories for: 001MR8104 - 001MR8105 - 001MR8106 - 001MR8107	
001**MRWPC**	Rain-shield box for volumetric microwave radars.	£45.00
	Touch sensors	
001**MS9502**	12 - 24 V AC – DC microwave reflecting, volumetric touch sensor. Field of detection from 0.1 to 0.5 m / 3.93 to 19.68 in.	£199.00
	Sensitive pads	
001**MP8030**	Sensitive floor pad 800 x 300 mm / 31.46 x 11.81 in.	£90.00
001**MP8060**	Sensitive floor pad 800 x 600 mm/ 31.46 x 23.62 in.	£123.00







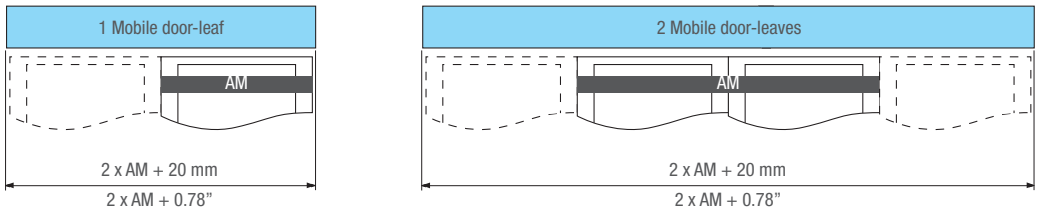

Corsa Rodeo

Door leaves of up to 125 Kg

The ideal solution for any type of sliding door

- A safe and reliable solution for regulating pedestrian access flow.
- An easy-to-install operator.
- Ideal for automating sliding doors in large premises such as: hospitals, airports, and public administration facilities.
- Safety is ensured through 24 V DC technology.
- Adjustable operation speed and slow-down.
- Electronic obstacle detection.

Dimensions (mm/in)



AM Total width of mobile door-leaves

Limits to use

MODEL	CORSA1	CORSA2
Max door-leaf width (mm/in)	3340 / 131.49	1670 / 65.74
Max door leaf weight (Kg)	75	75 + 75
MODEL	**RODEO1**	**RODEO2**
Max door-leaf width (mm/in)	3340 / 131.49	1670 / 65.74
Max door leaf weight (Kg)	125	125 + 125

● 24 V DC

Technical features

Type	CORSA1	CORSA2	RODEO1	RODEO2
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	24 DC	24 DC	24 DC	24 DC
Current draw (A)	0.6	0.6	0.6	0.6
Power (W)	70	70	90	90
Max manoeuvre speed (cm/s - in/s)	57 / 22.44	102 / 40.15	45 / 17.71	80 / 31.49
Duty cycle (%)	INTENSIVE USE	INTENSIVE USE	INTENSIVE USE	INTENSIVE USE
Thrust (Kg)	5	5	8	8
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131

● 24 V DC

Complete Units

Ready-built sliding door automation units

CAME

Corsa-D1 unit

Complete automatic sliding door unit.
For doorway widths up to 1m.
Single *or* double doors,
weighing up to 75Kg.

1m
75kg

Price £ 1958.00 (Excl. VAT)

	Qty
001**MCORSA** 24v Motor, panel, transformer & fixings	1
001**MA7041** Function selector switch	1
001**PLCD1** Beam profile & slide guide	up to 2.02m
001**LD68** Natural anodised profile cover	up to 2.02m
001**LTD** Caps with hinges for profile cover	1
001**MD001S** Corsa carriage	4
001**MA7032** Battery backup card	1

	Qty
001**MA7371** Aluminium door profile	1
001**MA7351** Aluminium door profile	1
001**MBA25** Biadhesive tape	up to 2.02m
001**MA965** Gasket for beam profile (50m)	up to 2.02m
001**MP650** Rectangular wire (6mm² x 0.5mm)	up to 3.5m
001**MC130** HTD8M belt for automatic doors	up to 4.5m
001**MA7012** Electric lock	1

Door profiles are cut to specified sizes.

This kit is for doorways *up to* 1m. Please supply your exact measurements when you place your order.

Please specify whether you require **single** or **double** doors.

Rodeo-D1 unit

Complete automatic sliding door unit.
For doorway widths up to 1m.
Single *or* double doors,
weighing up to 125Kg.

1m
125kg

Price £ 2210.00 (Excl. VAT)

	Qty
001**MRODEO** 24v Motor, panel, transformer & fixings	1
001**MA7041** Function selector switch	1
001**PLCD1** Beam profile & slide guide	up to 2.02m
001**LD68** Natural anodised profile cover	up to 2.02m
001**LTD** Caps with hinges for profile cover	1
001**MD002S** Rodeo carriage	4
001**MA7032** Battery backup card	1

	Qty
001**MA7371** Aluminium door profile	1
001**MA7351** Aluminium door profile	1
001**MBA25** Biadhesive tape	up to 2.02m
001**MA965** Gasket for beam profile (50m)	up to 2.02m
001**MP650** Rectangular wire (6mm² x 0.5mm)	up to 3.5m
001**MC130** HTD8M belt for automatic doors	up to 4.5m
001**MA7012** Electric lock	1

Door profiles are cut to specified sizes.

This kit is for doorways *up to* 1m. Please supply your exact measurements when you place your order.

Please specify whether you require **single** or **double** doors.

Activation & safety accessories for these units can be found on pages 224 - 226

Complete Units

Ready-built sliding door automation units

CAME

Corsa-D2 unit

Complete automatic sliding door unit.
For doorway widths up to 2m.
Single *or* double doors,
weighing up to 75Kg.

2m
75kg

Price £ 2268.00 (Excl. VAT)

	Qty
001**MCORSA** 24v Motor, panel, transformer & fixings	1
001**MA7041** Function selector switch	1
001**PLCD1** Beam profile & slide guide	up to 4.02m
001**LD68** Natural anodised profile cover	up to 4.02m
001**LTD** Caps with hinges for profile cover	1
001**MD001S** Corsa carriage	4
001**MA7032** Battery backup card	1

	Qty
001**MA7571** Aluminium door profile	1
001**MA7551** Aluminium door profile	1
001**MBA25** Biadhesive tape	up to 4.02m
001**MA965** Gasket for beam profile (50m)	up to 4.02m
001**MP650** Rectangular wire (6mm² x 0.5mm)	up to 6.5m
001**MC130** HTD8M belt for automatic doors	up to 8.5m
001**MA7012** Electric lock	1

Door profiles are cut to specified sizes.

This kit is for doorways *up to* 2m. Please supply your exact measurements when you place your order.

Please specify whether you require **single** or **double** doors.

Rodeo-D2 unit

Complete automatic sliding door unit.
For doorway widths up to 2m.
Single *or* double doors,
weighing up to 125Kg.

2m
125kg

Price £ 2520.00 (Excl. VAT)

	Qty
001**MRODEO** 24v Motor, panel, transformer & fixings	1
001**MA7041** Function selector switch	1
001**PLCD1** Beam profile & slide guide	up to 4.02m
001**LD68** Natural anodised profile cover	up to 4.02m
001**LTD** Caps with hinges for profile cover	1
001**MD002S** Rodeo carriage	4
001**MA7032** Battery backup card	1

	Qty
001**MA7571** Aluminium door profile	1
001**MA7551** Aluminium door profile	1
001**MBA25** Biadhesive tape	up to 4.02m
001**MA965** Gasket for beam profile (50m)	up to 4.02m
001**MP650** Rectangular wire (6mm² x 0.5mm)	up to 6.5m
001**MC130** HTD8M belt for automatic doors	up to 8.5m
001**MA7012** Electric lock	1

Door profiles are cut to specified sizes.

This kit is for doorways *up to* 2m. Please supply your exact measurements when you place your order.

Please specify whether you require **single** or **double** doors.

Complete Units

Ready-built sliding door automation units

CAME

Corsa-D3.4 unit

Complete automatic sliding door unit.
For doorway widths up to 3.4m.
Single *or* double doors,
weighing up to 75Kg.

3.4m
75kg

Price £ 2862.00 (Excl. VAT)

	Qty
001**MCORSA** 24v Motor, panel, transformer & fixings	1
001**MA7041** Function selector switch	1
001**PLCD1** Beam profile & slide guide	up to 6.85m
001**LD68** Natural anodised profile cover	up to 6.85m
001**LTD** Caps with hinges for profile cover	1
001**MD001S** Corsa carriage	4
001**MA7032** Battery backup card	1

	Qty
001**MA7571** Aluminium door profile	2
001**MA7551** Aluminium door profile	2
001**MBA25** Biadhesive tape	up to 6.85m
001**MA965** Gasket for beam profile (50m)	up to 6.85m
001**MP650** Rectangular wire (6mm² x 0.5mm)	up to 11m
001**MC130** HTD8M belt for automatic doors	up to 14m
001**MA7012** Electric lock	1

Door profiles are cut to specified sizes.

This kit is for doorways *up to* 3.4m. Please supply your exact measurements when you place your order.

Please specify whether you require **single** or **double** doors.

Rodeo-D3.4 unit

Complete automatic sliding door unit.
For doorway widths up to 3.4m.
Single *or* double doors,
weighing up to 125Kg.

3.4m
125kg

Price £ 3112.00 (Excl. VAT)

	Qty
001**MRODEO** 24v Motor, panel, transformer & fixings	1
001**MA7041** Function selector switch	1
001**PLCD1** Beam profile & slide guide	up to 6.85m
001**LD68** Natural anodised profile cover	up to 6.85m
001**LTD** Caps with hinges for profile cover	1
001**MD002S** Rodeo carriage	4
001**MA7032** Battery backup card	1

	Qty
001**MA7571** Aluminium door profile	2
001**MA7551** Aluminium door profile	2
001**MBA25** Biadhesive tape	up to 6.85m
001**MA965** Gasket for beam profile (50m)	up to 6.85m
001**MP650** Rectangular wire (6mm² x 0.5mm)	up to 11m
001**MC130** HTD8M belt for automatic doors	up to 14m
001**MA7012** Electric lock	1

Door profiles are cut to specified sizes.

This kit is for doorways *up to* 3.4m. Please supply your exact measurements when you place your order.

Please specify whether you require **single** or **double** doors.

Activation & safety accessories for these units can be found on the next page...

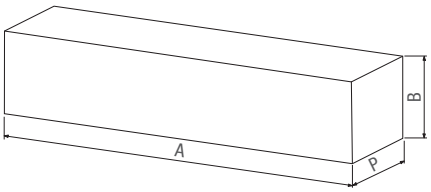
Accessories

For automatic sliding door units

Infrared, touch-activated, volumetric and even remote controlled sensors

- Exclusive, distinguished style
- Releasing with customised key.
- One single opening and closing endstops adjustment when the automation is being installed.
- Simplified connection operations with one single three- or four-conductor cable.
- SELF-DIAGNOSING safety devices.
- Tested according to applicable rules and regulations.

Dimensions



Limits to use

MODEL	RANGE (m/ft)	MAX INSTALLATION HEIGHT (m/ft)
MF9011 - MF9111	7/22.96	
MR8334 - MR8370 - MR8390	-	2.5/8.2
MR8003	-	3/9.84
MR8104 - MR8106 - MR8107	-	4/13.12
MR8105	-	5/16.40
MR8202	-	4/13.12
MS9502	0.5/1.46	-
MR8401	0,6 - 2,4 / 1.96 - 7.87	2,3 - 4,6 / 7.54 - 15.09

● 12 - 24 V DC

Dimensions (mm / in)

MODEL	A x B x P
MF9011 - MF9111	-
MR8334 - MR8370 - MR8390	340 - 700 - 900 x 43,5 x 47,5 / 13.38 - 27.55 - 35.43 x 1.71 x 1.84
MR8003	221 x 63 x 29,9 / 8.70 x 2.48 x 1.17
MR8104 - MR8106 - MR8107	120 x 80 x 50 / 4.72 - 3.14 - 1.96
MR8105	120 x 80 x 50 / 4.72 - 3.14 - 1.96
MR8202	262 x 55 x 44 / 10.31 - 2.16 - 1.73
MS9502	84 x 84 x 14 / 3.30 x 3.30 x 0.55
MR8401	177 x 50 x 45 / 6.96 x 1,96 x 1.77

● 12 - 24 V DC

Technical features

Type	MF9011 - MF9111	MR8334 - MR8370 - MR8390	MR8003
Contact type and range	NC - 50 V DC - 0.1 A (resistive load)	NC - 60 V DC - 125 V AC - 1 A (resistive load)	NC - 50 V DC - 0,3 A (resistive load)
Power supply (V - 50/60 Hz)	24 AC - DC	12 AC - DC	12 AC - DC
Current draw (mA)	AC 125 MAX - DC 40 MAX	60 MAX	160 MAX (12 V)
Intervention time	25 ms	< 50 ms	< 0.3 S
Recovery time	200 ms	-	0.5 S
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131

● 12 - 24 V DC

Technical features

Type	MR8104 - MR8105 - MR8106 - MR8107	MR8202	MR8401	MS9502
Contact type and range	1 A (resistive load)	NC - 42 V AC - DC (resistive load)	1 A (a 30 V AC - DC)	1 A (resistive load)
Power supply (V - 50/60 Hz)	12 - 24 AC - DC	12 - 24 AC - DC	12 - 30 AC - DC	12 - 24 AC - DC
Current draw (mA)	-	1000	8	-
Intervention time (s)	0.5 ÷ 9 (ADJUSTABLE)	< 0.5	-	0.5
Recovery time	-	-	-	-
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131

● 12 - 24 V DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)	
	Micro-photocells		
001**MF9011**	Pair of flush-mounted, 24 V AC- DC infrared beam micro-photocells, with 7 m / 22.96 ft range, complete with shielded cable.	£85.00	
001**MF9111**	Double pair of flush-mounted, 24 V AC- DC infrared beam micro-photocells, with 7 m / 22.96 ft range, complete with shielded cable.	£118.00	
	Infrared safety radar with anti-masking.		
001**MR8334**	Safety radar *L = 340 mm / 13.38 in with anti-masking function12 - 24 V AC - DC. Maximum application height = 2.5 m / 8.2 ft - Detection beam diameter at 2 m / 6.56 ft = 0.13 m / 0.42 ft - Maximum detection depth = 0.53 m / 1.73 ft - Detection span adjustable from 0.7 to 2.5 m / 2.29 to 8.2 ft.	£412.00	
001**MR8370**	Safety radar *L = 700 mm 27.55 in with anti-masking function 12 - 24 V AC - DC. Maximum application height = 2.5 m / 8.2 ft - Detection beam diameter at 2 m / 6.56 ft = 0.13 m / 0.42 ft - Maximum detection depth = 0.53 m / 1.73 ft - Detection span adjustable from 0.7 to 2.5 m / 2.29 to 8.2 ft.	£695.00	
001**MR8390**	Safety radar *L = 900 mm /35.43 in with anti-masking function 12 - 24 V AC - DC. Maximum application height = 2.5 m / 8.2 ft - Detection beam diameter at 2 m / 6.56 ft = 0.13 m / 0.42 ft - Maximum detection depth = 0.53 m / 1.73 ft - Detection span adjustable from 0.7 to 2.5 m / 2.29 to 8.2 ft.	£995.00	
	Active infrared radar		
001**MR8003**	Radar with adjustable field 12 – 24 V AC – DC. Maximum application height = 3 m / 9.84 ft Detection area: depth of field = 0.41 – 1.77 m / 16.14 – 69.68 in, length of field 3.1 m / 10.17 ft.	£241.00	
	Bidirectional radar for motion and presence detection		
001**MR8202**	Radar with adjustable field 12 – 24 V AC – Dc. Maximum application height from 1.8 m to 4 m / 5.9 to 13.12 ft: Motion detection: -Detection mode: movement – bidirectional -Technology: hyper-frequency and microprocessor -Detection area: depth of field = 2 m / 6.56 ft - width of field 4 m / 13.12 ft. -Angle: from +15° to +50° in elevation (adjustable) Presence detection: -Detection mode: presence -Technology: focused active infrared -Detection area: depth of field 0.35 m / 1.14 ft – width of field 2 m / 6,56 ft. -Angle: From -4° to +4° (adjustable)	£375.00	
	Digital movement radar		
001**MR8401**	12 – 24 V AC- DC digital movement radar with adjustable field. Applicable height 2.3 – 4.6 m / 7.54 – 15.09 ft - Detection field: of up to 06 - 2.4 m / 1.96 - 7.87 ft.	£75.00	

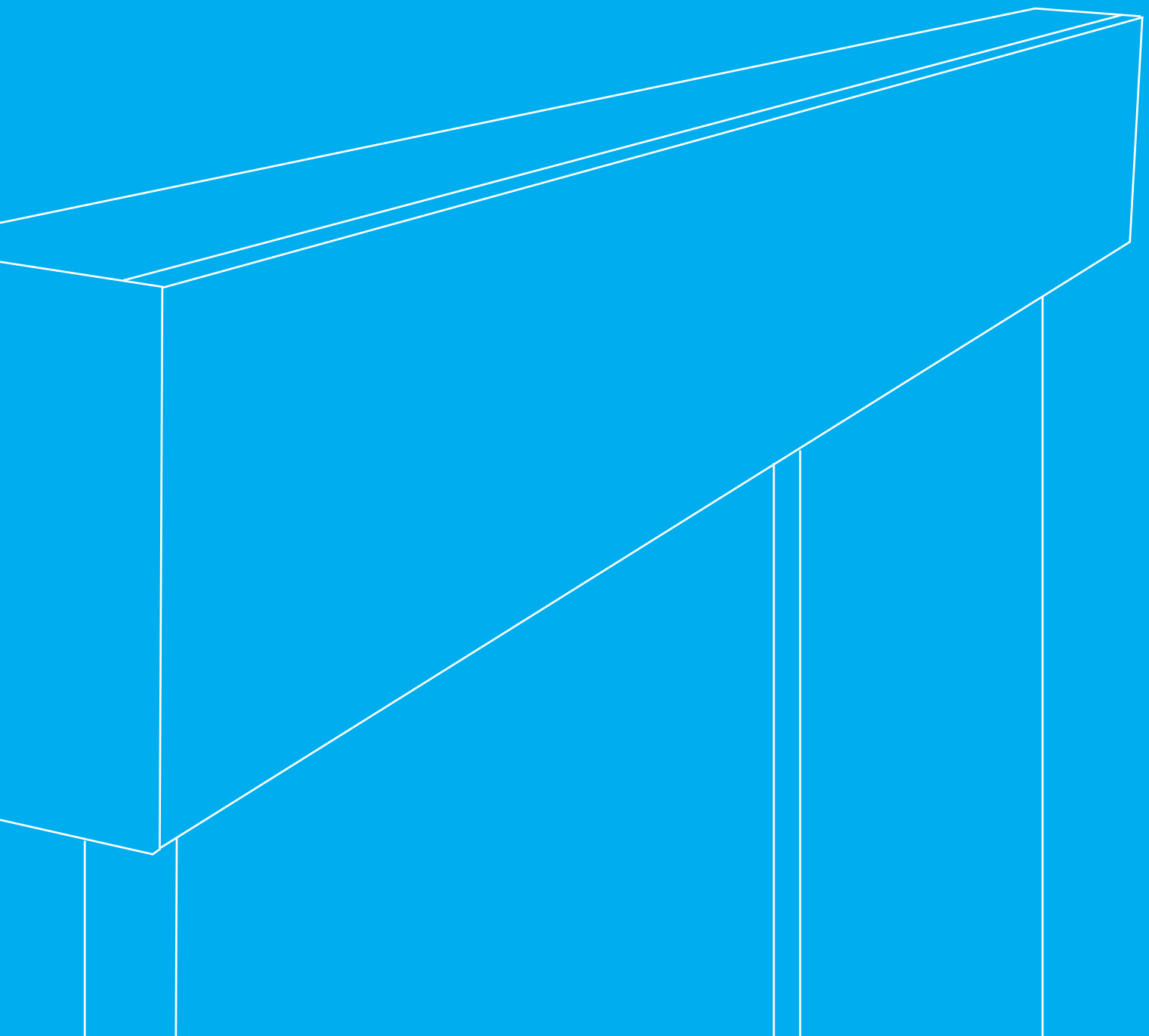
Accessories

For automatic sliding door units

The complete range

Code	Description	Price £ (Excl. VAT)
	Volumetric microwave radars	
001**MR8104**	Bidirectional volumetric microwave radar 12 – 24 V AC – DC. Maximum application height = 4 m / 13.12 ft - tectionDrea quad o: e t - BROAD ANTENNA depth of field = 2 m / 6.56 ft and length of field 4 m / 13.12 ft - NARROW ANTENNA depth of field = 2.5 m / 8.20 ft and length of field 2 m / 6.56 ft Setting via 001MRT001 remote control.	£213.00
001**MR8105**	Bidirectional volumetric microwave radar 12 – 24 V AC – DC. Maximum application height = 5 m / 16.40 ft - Detection area equal to: depth of field = 2.5 m / 8.20 ft and width of field 4 m / 13.12 ft. Setting via 001MRT001 remote control.	£259.00
001**MR8106**	Mono-directional - bidirectional volumetric microwave radar 12 – 24 V AC – DC. Maximum application height 4 m / 13.12 ft - tectionDrea quad o: e t - BROAD ANTENNA depth of field = 2 m / 6.56 ft and length of field 4 m / 13.12 ft - NARROW ANTENNA depth of field = 2.5 m / 8.20 ft and length of field 2 m / 6.56 ft (in unidirectional mode it activates when with any approaching movement). Setting via 001MRT001 remote control.	£332.00
001**MR8107**	Bidirectional volumetric microwave radar 12 – 24 V AC – DC. Maximum application height 4 m / 13.12 ft - tectionDrea quad o: e t - Depth of field = 2 m / 6.56 ft and width of field 4 m / 13.12 ft - Depth of field 2.5 m / 8.20 ft and width of field 2 m / 6.56 ft Manual setting.	£175.00
	Accessories for: 001MR8104 - 001MR8105 - 001MR8106	
001**MRT001**	Remote control for volumetric microwave radars.	£38.00
	Accessories for: 001MR8104 - 001MR8105 - 001MR8106 - 001MR8107	
001**MRWPC**	Rain-shield box for volumetric microwave radars.	£45.00
	Touch sensors	
001**MS9502**	12 - 24 V AC – DC microwave reflecting, volumetric touch sensor. Field of detection from 0.1 to 0.5 m / 3.93 to 19.68 in.	£199.00
	Sensitive pads	
001**MP8030**	Sensitive floor pad 800 x 300 mm / 31.46 x 11.81 in.	£90.00
001**MP8060**	Sensitive floor pad 800 x 600 mm/ 31.46 x 23.62 in.	£123.00

CAME



Beam profile section and profile covers (scale 1 : 2 - dimensions in mm/in)

MIN. 20 mm / 0.78 in
space for opening the profile cover

75/2.95

300/11.81

126/4.96

MIN 24 mm / 1 in

TYPE OF PROFILE COVER:
001LC00 - 001LC01 **NORMAL**

HOLES FOR ANCHORING THE BEAM
Ø 8.5 mm 250 mm hole

30

151/5.94

85/3.35

169/6.65

195/7.67

TYPE OF PROFILE COVER:
001LD00 - 001LD01 **WITH HINGES**

692.71

HT

HA

18/0.7

44/1.73

13/0.51

73/2.87

LEAF HEIGHT POSITION
+ / - 6 mm / 0.23 in

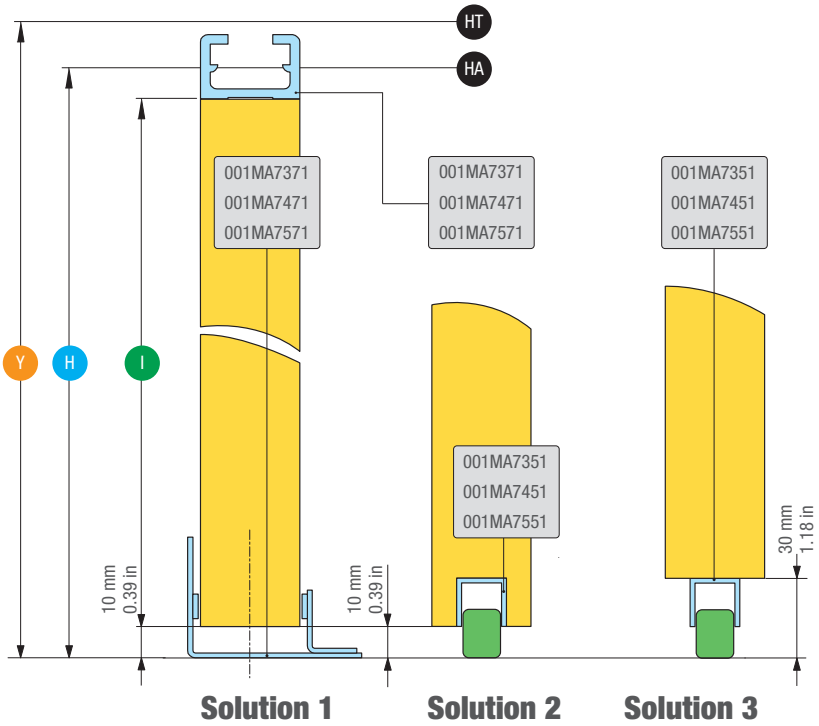
LEAF POSITION ADJUSTMENT
+ / - 6 mm / 0.23 in

Pre-perforated beam profile for fixing

The automated customised devices are supplied with a pre-perforated beam profile to be anchored to the lintel or wall.
Set up proper anchoring systems, always using at least 2/3 of the available holes. The holes at the ends and centre must, however, always be used.

Determination of leaf height (no-scale - dimensions in mm/in)

Framed door leaves with series S40 profiles



Solution 1

I = H - 28 mm / 1.10”

I = Y - 46 mm / 1.81 in

Solution 2

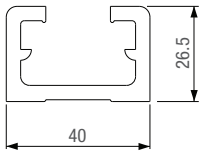
I = H - 28 mm / 1.10”

I = Y - 46 mm / 1.81 in

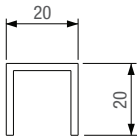
Solution 3

I = H - 48 mm / 1.88 in

I = Y - 66 mm / 2.59 in

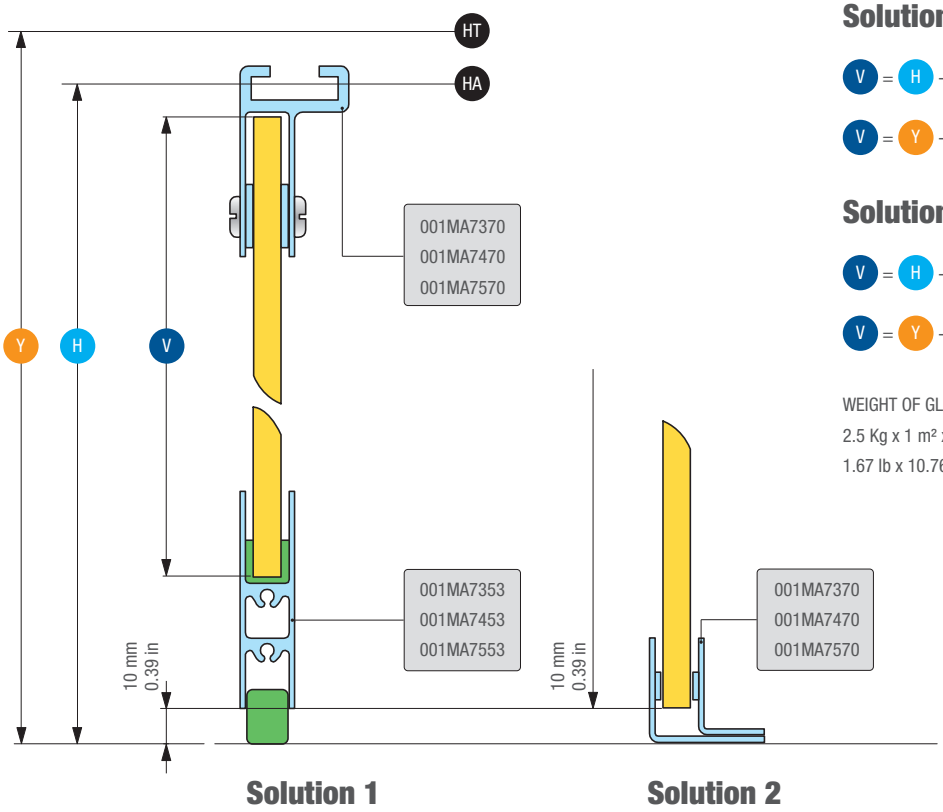


001MAM613
in the items:
001MA7371 - 001MA7471 - 001MA7571



001MAM699
in the items:
001MA7351 - 001MA7451 - 001MA7551

Glass door leaves with series S20 profiles



Solution 1

V = H - 70 mm / 2.75”

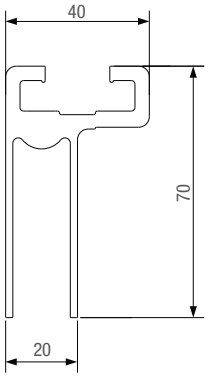
V = Y - 88 mm / 3.46”

Solution 2

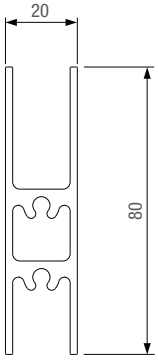
V = H - 22 mm / 0.86”

V = Y - 40 mm / 1.57”

WEIGHT OF GLASS
2.5 Kg x 1 m² x 1 mm thick
1.67 lb x 10.76 ft² x 0.039 in thick



119PM611
in the items:
001MA7370 - 001MA7470 - 001MA7570



001MAM612
in the items:
001MA7353 - 001MA7453 - 001MA7553

Y = Height from floor for fixing the profile to the beam

H = Height from floor of lintel

V = Height of glass with S20 profiles

I = Height of framed leaf with S40 profiles

The complete range

Code	Description	Price £ (Excl. VAT)
	Aluminium support and profile cover.	
001**PLCD**	Beam profile and slide-guide in 6.85m lengths	£735.00
001**LC00**	Natural anodised profile cover in 6.85m lengths.	£275.00
001**LC01**	Non-finish profile cover in 6.85m Lengths	£231.00
001**LD00**	Natural anodised extra-size profile cover in 6.85m Lengths	£360.00
001**LD01**	Non-finish extra-size profile cover in 6.85m lengths.	£295.00
	Accessories for: 001LC00	
001**LTC**	Pack of two natural grey varnished caps for profile cover.	£18.00
	Accessories for: 001LC01	
001**LTCG**	Pack of two non-finish caps for profile cover.	£16.00
	Accessories for: 001LD00 and 001LD01	
001**LTD**	Pack of two caps with hinges for profile cover.	£19.00
	Customised treatments	
119**COLOR2**	Extra coating.	£14.00
119**COLOR3**	Extra coating.	£4.00








NOTE:
119COLOR2 only applicable to: 001LC00 - 001LC01 - 001LD00 - 001LD01
119COLOR3 Only applicable to: 001LTCG
Customer requests for custom paint coatings are delivered at least 30 working days from receipt of order.
Paint coats are based on glossy or matt RAL colours.
WARNING: the cost for oxidation coats is calculated considering the amount of materials that needs to be coated.

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	Upper attaching profile for framed door-leaves, with brackets for anchoring to outer castors plus ground guide-sleds.	
001**MA7371**	Complete kit for two door leaves up to 500 mm / 19.68” wide or one door leaf up to 1000 mm / 39.37” wide.	£102.00
001**MA7471**	Complete kit for two door leaves up to 750 mm / 29.52” wide or one door leaf up to 1500 mm / 59.05” wide.	£125.00
001**MA7571**	Complete kit for two door leaves up to 1000 mm / 39.37” wide or one door leaf up to 2000 mm / 78.74” wide.	£159.00
	Lower guide profile for framed door-leaves with inner ground guide-sleds.	
001**MA7351**	Complete kit for two door leaves up to 500 mm / 19.68” wide or one door leaf up to 1000 mm / 39.37” wide.	£75.00
001**MA7451**	Complete kit for two door leaves up to 750 mm / 29.52” wide or one door leaf up to 1500 mm / 59.05” wide.	£18.00
001**MA7551**	Complete kit for two door leaves up to 1000 mm / 39.37” wide or one door leaf up to 2000 mm / 78.74” wide.	£27.00
	Upper attaching profile for 10 mm-thick tempered glass door leaves, with brackets for anchoring to outer castors plus ground guide-sleds.	
001**MA7370**	Complete kit for two door leaves up to 500 mm / 19.68” wide or one door leaf up to 1000 mm / 39.37” wide.	£112.00
001**MA7470**	Complete kit for two door leaves up to 750 mm / 29.52” wide or one door leaf up to 1500 mm / 59.05” wide.	£128.00
001**MA7570**	Complete kit for two door leaves up to 1000 mm / 39.37” wide or one door leaf up to 2000 mm / 78.74” wide.	£134.00
	Lower guide profile for 10 mm-thick tempered glass door leaves, with inner ground guide-sleds.	
001**MA7353**	Complete kit for two door leaves up to 500 mm / 19.68” wide or one door leaf up to 1000 mm / 39.37” wide.	£56.00
001**MA7453**	Complete kit for two door leaves up to 750 mm / 29.52” wide or one door leaf up to 1500 mm / 59.05” wide.	£68.00
001**MA7553**	Complete kit for two door leaves up to 1000 mm / 39.37” wide or one door leaf up to 2000 mm / 78.74” wide.	£70.00
	Rubber gaskets for 10 mm / 0.39 in-thick tempered glass (30 m / 98.42 ft packages)	
001**MAM601**	Black side gasket for fixed and sliding door leaves.	£4.00
001**MAM601T**	Transparent side gasket for fixed and sliding door leaves.	£5.00
001**MAM600**	Black central gasket for sliding door-leaves.	£5.00
001**MAM600T**	Transparent central gasket for sliding door-leaves.	£12.00
	Customised treatment	
119**COLOR4**	Extra coating.	£10.00





NOTE:
119COLOR4 Only applicable to: 001MA7371 - 001MA7471 - 001MA7571 - 001MA7370 - 001MA7470 - 001MA7570 - 001MA7353 - 001MA7453 - 001MA7553.
Customer requests for custom paint coatings are delivered at least 30 working days from receipt of order.
Paint coats are based on glossy or matt RAL colours.
WARNING: the cost for oxidation coats is calculated considering the amount of materials that needs to be coated.

The complete range

Code	Description	Price £ (Excl. VAT)
	Complete automation with 24 V DC operator	
001**MCORSA**	Complete system for sliding door with 1 + 1 leaf - max 75 Kg per leaf.	£744.00
001**MRODEO**	Complete system for sliding door with 1 + 1 leaf - max 125 Kg per leaf.	£926.00
	Beam profiles and profile covers	
001**PLCD1**	Beam profile and slide guide - Corsa and Rodeo. Length = 6.85m.	£455.00
001**PLCD2**	Beam profile and slide guide with holes - Corsa and Rodeo. Length = 6.7m.	£495.00
001**LC68**	Natural anodised profile cover. Length = 6.85m.	£275.00
001**LC68G**	Non-finish profile cover. Length = 6.85m.	£231.00
001**LD68**	Natural anodised extra-size profile cover. Length = 6.85m.	£360.00
001**LD68G**	Non-finish extra-size profile cover. Length = 6.85m.	£295.00
	Accessories for: 001LC68	
001**LTC**	Pack of two natural grey varnished caps for profile covers.	£18.00
	Accessories for: 001LC68G	
001**LTCG**	Pack of two non-finish caps for profile covers.	£16.00
	Accessories for: 001LC68G	
001**LTD**	Pack of two caps with hinges for profile covers.	£19.00
	Complementary accessories	
001**MA7012C**	Pack of six electric lock complete with pull cord and release lever.	£695.00
001**MA7036C**	Pack of six cards for connecting two 12 V – 1.2 Ah emergency batteries with supports (batteries not included).	£295.00
001**MA7041C**	Pack of six function selector switches.	£350.00
001**MD001**	Pack of two Corsa carriages - max 75 Kg each pair.	£444.00
001**MD002**	Pack of two Rodeo carriages - max 125 Kg each pair.	£669.00

The complete range

Code	Description	Price £ (Excl. VAT)
	Accessories for glass door leaves	
001**MA53**	Package of fixation accessories for lower guiding profile.	£20.00
001**MA70**	Package of fixation accessories for upper attaching profile.	£95.00
001**MAM611**	Natural anodised aluminium upper attaching profile. Length = 5m	£35.00
001**MAM611G**	Non-finish aluminium upper attaching profile. Length = 5m	£32.00
001**MAM612**	Natural anodised aluminium lower guiding profile. Length = 5m	£36.00
001**MAM612G**	Non-finish aluminium lower guiding profile. Length = 5m	£30.00
	Accessories for framed door leaves	
001**MA51**	Package of fixation accessories for lower guiding profile.	£10.00
001**MA71**	Package of fixation accessories for upper attaching profile.	£95.00
001**MAM613**	Natural anodised aluminium upper attaching profile. Length = 5m	£27.00
001**MAM613G**	Non-finish aluminium upper attaching profile. Length = 5m	£24.00
001**MAM699**	Natural anodised aluminium lower guiding profile. Length = 5m	£13.00
001**MAM699G**	Non-finish aluminium lower guiding profile. Length = 5m	£12.00
	Assembling accessories	
001**MA965**	Gasket for beam profile (pack of 50 m / 164.04 ft).	£66.00
001**MBA25**	Biadhesive tape (roll of 25 m / 82.02 ft).	£6.00
001**MCI30**	HTD8M belt for automatic doors (roll of 30 m / 98.42 ft).	£387.00
001**MP650**	6 x 0.5 mm² / 6 x 0.019 in² rectangular wire (pack of 50 m / 164.04 ft).	£155.00
	Customised treatment	
119**COLOR2**	Extra charge for customised treatment.	£14.00
119**COLOR3**	Extra charge for customised treatment.	£4.00
119**COLOR4**	Extra charge for customised treatment.	£10.00

NOTE:
119COLOR2 Only on: 001LC68 - 001LC68G - 001LD68 - 001LD68G
119COLOR3 Only on: 001LTCG
119COLOR4 Only on: 001MAM611G - 001MAM612G
Customer requests for custom paint coatings are delivered at least 30 working days from receipt of order.
Paint coats are based on glossy or matt RAL colours.
WARNING: the cost for oxidation coats is calculated considering the amount of materials that needs to be coated.

Mi

The anti-panic push-to-open function for Rodeo sliding doors

Emergency device for profiles in case of power cuts

- For sliding doors, for emergency opening situations.
- Can be perfectly integrated into the CAME series S40 door profiles.
- Ground sliding rail-guide: allows door leaf to rotate and open during emergencies.
- Guaranteed security by special profiles that prevent opening from the outside.
- The anti-panic system can be applied either to moveable or fixed door leaves.

WARNING:

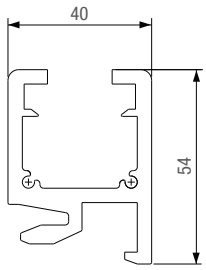
For door-leaves wider than 1100 mm and up to 1500 mm it is mandatory to mount the accessory wheel supplied in the packaging. In such cases the max mobile door-leaf weight is indicated in the LIMITS TO USE table.

On door-leaves less than 1100 mm width, the mounting of the wheel allows to get best performance of the automation device. The proper functioning of the wheel depends also on the type of floor finishing.

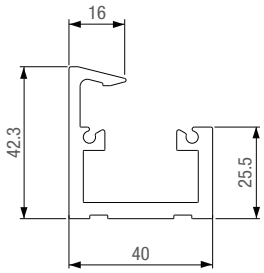
Limits to use

MODEL	MAX DOOR-LEAF/LEAVES WIDTH (M)/E (mm/in)	MOBILE LEAVES - FIXED LEAVES
MI6010	1100/43.30	YES - NO
MI6110	1500/59.05	YES - NO
MI6020	1100 + 1100/ 43.30 + 43.30	YES - NO
MI6120	1500 + 1500/ 59.05 + 59.05	YES - NO
MI6030	1100/ 59.05	YES - YES
MI6130	1500/ 59.05	YES - YES
MI6040	1100 + 1100/ 43.30 + 43.30	YES - YES
MI6140	1500 + 1500/ 59.05 + 59.05	YES - YES

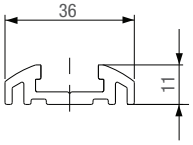
MAX DOOR-LEAF WIDTH (mm/in)	MAX DOOR-LEAF WEIGHT (Kg)
TYPE OF AUTOMATION	RODEO AUTOMATION
500/19.68	120
600923.62	90
700/27.55	80
800/31.49	70
900/35.43	60
1000/39.37	50
1100/43.30	40



001MAM339
Mi series

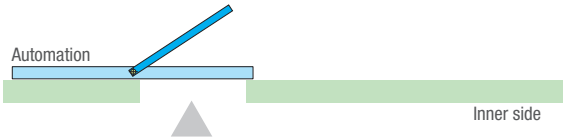


001MAM338
Mi series

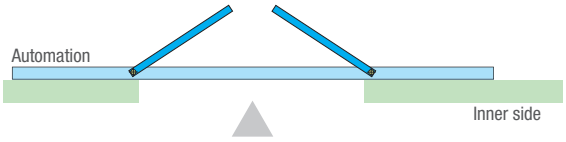


001MAM911
Mi series

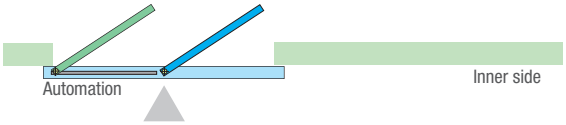
Application



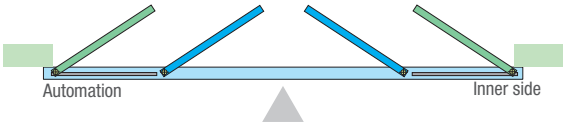
MI6010 - MI6110
1 MOBILE DOOR-LEAF



MI6020 - MI6120
2 MOBILE LEAVES



MI6030 - MI6130
1 MOBILE LEAF + 1 FIXED LEAF



MI6040 - MI6140
2 MOBILE LEAVES + 2 FIXED LEAVES

The complete range

Code	Description	Price £ (Excl. VAT)
	Complete emergency panic-release systems for sliding doors with S40 profiles	
001**MI6010**	Complete system for one mobile door leaf with max width of 1100 mm / 43.30”.	£495.00
001**MI6110**	Complete system for one mobile door leaf with max width of 1500 mm / 59.05”.	£577.00
001**MI6020**	Complete system for two mobile and two fixed door leaves with max width 1100 + 1100 mm / 43.30” + 43.30”.	£895.00
001**MI6120**	Complete system for two mobile door leaves with max width of 1500 + 1500 mm / 59.05” + 59.05”.	£995.00
001**MI6030**	Complete system for one mobile and one fixed door leaves with max width of 1100 mm / 43.30”.	£695.00
001**MI6130**	Complete system for one mobile and one fixed door leaves with max width of 1500 mm / 59.05”.	£695.00
001**MI6040**	Complete system for two mobile and two fixed door leaves with max width 1100 + 1100 mm / 43.30” + 43.30”.	£1295.00
001**MI6140**	Complete system for two mobile and two fixed door leaves with max width of 1500 + 1500 mm / 59.05” + 59.05”.	£1295.00
	Customised treatments	
119**COLOR8**	Extra coating.	£25.00
119**COLOR9**	Extra coating.	£26.00
119**COLOR10**	Extra coating.	£45.00
119**COLOR11**	Extra coating.	£70.00

NOTE:
119COLOR8 only applicable to: 001MI6010 - 001MI6030
119COLOR9 Only applicable to: 001MI6110 - 001MI6130
119COLOR10 only applicable to: 001MI6020 - 001MI6040
119COLOR11 only applicable to: 001MI6120 - 001MI6140
Customer requests for custom paint coatings are delivered at least 30 working days from receipt of order.
Paint coats are based on glossy or matt RAL colours.
WARNING: the cost for oxidation coats is calculated considering the amount of materials that needs to be coated.

S20 Glass door-leaf profiles

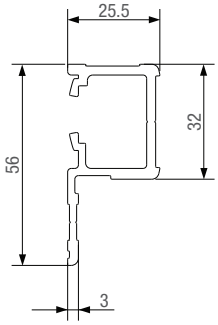
Stands for lots of light and great aesthetics

- Sturdy, elegant and easy to assemble.
- For glass door leaves from 4 mm to 15 mm thick.
- Ideal to couple with CAME Corsa and Rodeo operators.
- Comes with a complete and broad range of dedicated accessories for assembly.

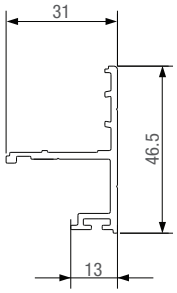
Profile material and weight

MODEL	WEIGHT (g/m - g/ft)	MATERIAL
001MAL199 - 001MAL199G	0.366 - 0.111	ALUMINIUM ALLOY 6060
001MAL200 - 001MAL200G	0.509 - 0.155	ALUMINIUM ALLOY 6060
001MAL201	0.186 - 0.056	PVC SH 62 BLACK + RAL 5015 COEXTRUDED
001MAL202	0.2 - 0.060	PVC SH 62 BLACK + RAL 5015 COEXTRUDED
001MAL203 - 001MAL203G	1.802 - 0.549	ALUMINIUM ALLOY 6060
001MAL204 - 001MAL204G	0.813 - 0.247	ALUMINIUM ALLOY 6060
001MAM612 -001MAM612G	1.325 - 0.403	ALUMINIUM ALLOY 6060
001MAL790 - 001MAL790G	0.478 - 0.145	ALUMINIUM ALLOY 6060
009P3	0.028 - 0.008	PVC SH 62 BLACK
009P4	0.05 - 0.015	PVC SH 62 BLACK
009P5	0.068 - 0.020	PVC SH 62 BLACK
009P6	0.078 - 0.023	PVC SH 62 BLACK
009P7	0.128 - 0.039	PVC SH 62 BLACK
001MAL791	-	RIGID BLACK PVC 99 SH

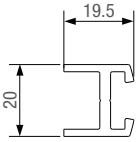
Dimensions (mm)



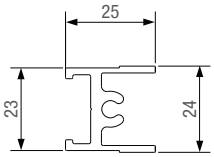
001MAL204



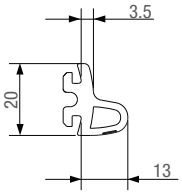
001MAL790



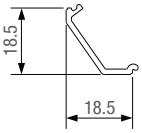
001MAL199



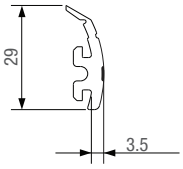
001MAL200



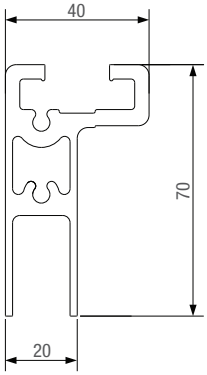
001MAL202



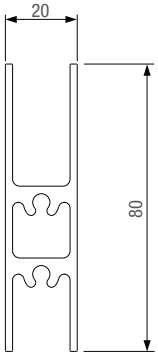
001MAL791



001MAL201



001MAL203



001MAM612

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	Aluminium profiles for 4 mm to 16 mm thick glass door leaves (standard supplied length = 5 m / 16.40 ft)	
001**MAL199**	Natural anodised vertical post for fixed and mobile door leaves.	**per m £12.00**
001**MAL199G**	Non-finish vertical post for fixed and mobile door leaves.	**per m £10.00**
001**MAL200**	Natural anodised wall-anchoring profile for fixed door leaves.	**per m £13.00**
001**MAL200G**	Non-finish wall-anchoring profile for fixed door leaves.	**per m £12.00**
001**MAL203**	Natural anodised upper anchoring crosspiece.	**per m £36.00**
001**MAL203G**	Non-finish upper anchoring crosspiece.	**per m £35.00**
001**MAL204**	Natural anodised vertical profile for photocell housing and door post for one door leaf.	**per m £18.00**
001**MAL204G**	Non-finish vertical profile for photocell housing and post for one door leaf.	**per m £18.00**
001**MAM612**	Natural anodised lower guide profile.	**per m £36.00**
001**MAM612G**	Non-finish lower guide profile.	**per m £30.00**
001**MAL790**	Natural anodised reduced profile for photocell housing.	**per m £12.00**
001**MAL790G**	Non-finish reduced profile for photocell housing.	**per m £12.00**

The complete range

Code	Description	Price £ (Excl. VAT)
	Plastic containment profiles (30 m / 98.42 ft packages)	
001**MAL201**	Lateral gasket for fixed and mobile door leaves.	**per m £4.00**
001**MAL202**	Central gasket for fixed and mobile door leaves.	**per m £4.00**
	Plastic containment profiles for: 001MAL790 (30 m / 98.42 ft packages)	
001**MAL791**	Closing profile (1 x0 pieces of 3 m / 9.84 ft each).	**per m £7.00**
	Mounting accessories	
001**MAF001**	Assembly kit for one fixed door leaf.	**£12.00**
001**MAM001**	Assembly kit for one mobile door leaf with sliding sled.	**£47.00**
	Filler gaskets (30 m / 98.42 ft packages)	
009**P3**	Filler gasket for glass 3 mm / 0.118” thick.	**per m £2.00**
009**P4**	Filler gasket for glass 4 mm / 0.157” thick.	**per m £2.00**
009**P5**	Filler gasket for glass 5 mm / 0.196” thick.	**per m £2.00**
009**P6**	Filler gasket for glass 6 mm / 0.236” thick.	**per m £3.00**
009**P7**	Filler gasket for glass 7 mm / 0.275” thick.	**per m £4.00**
	Customised treatments	
119**COLOR4**	Extra coating.	**per m £8.00**



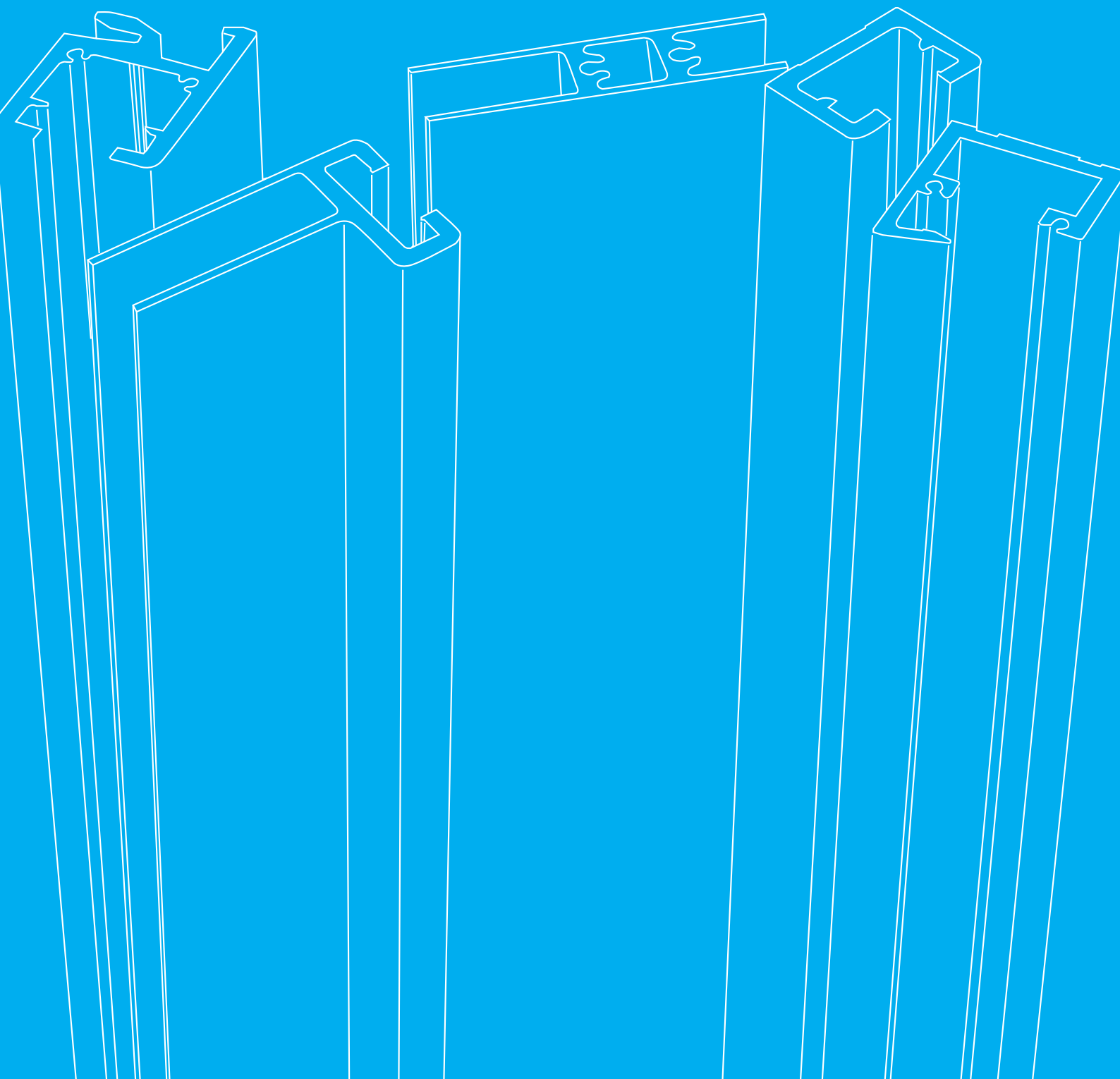







NOTE:
119COLOR4 Only applicable to: 001MAL199G - 001MAL200G - 001MAL203G - 001MAL204G - 001MAM612G - 001MAL790G.
Customer requests for custom paint coatings are delivered at least 30 working days from receipt of order.
Paint coats are based on glossy or matt RAL colours.
WARNING: the cost for oxidation coats is calculated considering the amount of materials that needs to be coated.

CAME



S40 Profiles for framed door leaves.

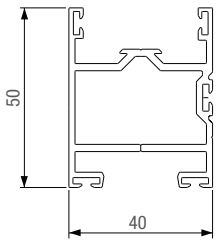
Aluminium profiles for building door frames

- A line of profiles for framed door leaves that require high levels of sturdiness.
- Comes with a complete and broad range of dedicated accessories for assembly.
- Designed for those intensive use doors, such as those found in shopping malls, public offices and hospitals.
- They can complement anti-panic push-to-open systems of the Mi series.

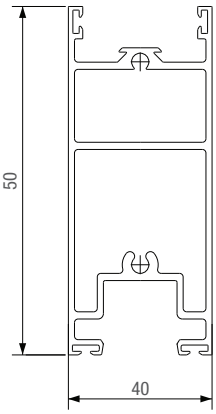
Profile material and weight

MODEL	WEIGHT (g/m - g/ft)	MATERIAL
001MAL225 - 001MAL225G	0.686 - 0.209	ALUMINIUM ALLOY 6060
001MAL226 - 001MAL226G	1.030 - 0.314	ALUMINIUM ALLOY 6060
001MAL227 - 001MAL227G	1.841 - 0.561	ALUMINIUM ALLOY 6060
001MAL228 - 001MAL228G	0.472 - 0.143	ALUMINIUM ALLOY 6060
001MAL229 - 001MAL229G	0.138 - 0.042	ALUMINIUM ALLOY 6060
001MAL230 - 001MAL230G	0.242 - 0.073	ALUMINIUM ALLOY 6060
001MAL231 - 001MAL231G	0.121 - 0.036	ALUMINIUM ALLOY 6060
001MAL223	0.104 - 0.031	PVC SH 62 BLACK
001MAL224	0.468 - 0.142	PVC SH 62 BLACK
009P3	0.028 - 0.008	PVC SH 62 BLACK
009P4	0.05 - 0.015	PVC SH 62 BLACK
009P5	0.068 - 0.020	PVC SH 62 BLACK
009P6	0.078 - 0.023	PVC SH 62 BLACK

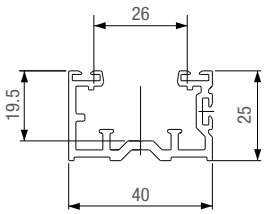
Dimensions (mm)



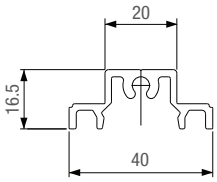
001MAL226



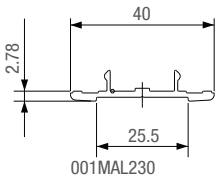
001MAL227



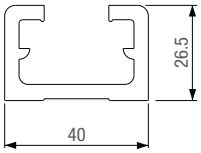
001MAL225



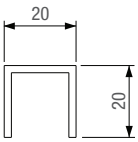
001MAL228



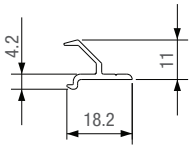
001MAL230



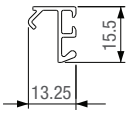
001MAM613



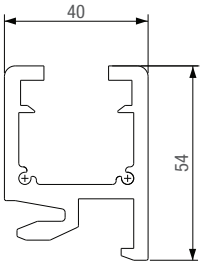
001MAM699



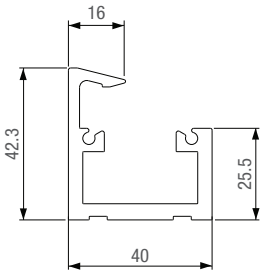
001MAL229



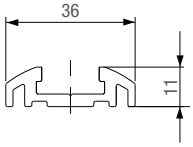
001MAL231



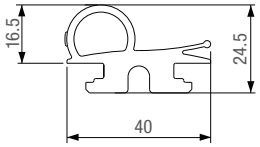
001MAM339



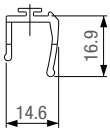
001MAM338



001MAM911



001MAL224



001MAL223

The complete range

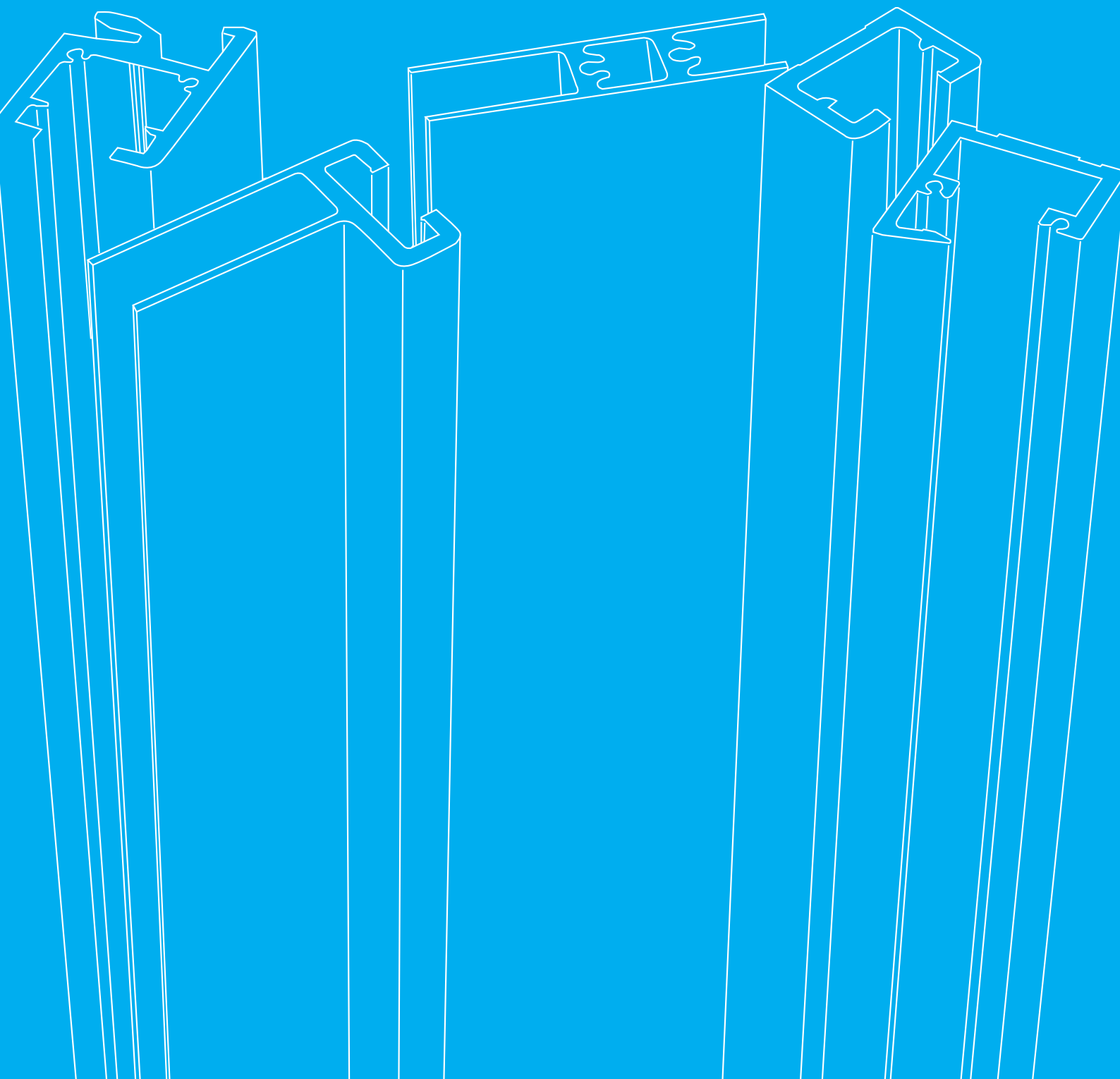
Code	Description	Price £ (Excl. VAT)
	Aluminium profiles for framed 4 to 30 mm thick glass door leaves (standard supplied length = 5 m / 16.40 ft)	
001**MAM613**	Natural anodised upper attaching profile for framed door leaves.	**per m £27.00**
001**MAM613G**	Non-finish upper attaching profile for framed door leaves.	**per m £24.00**
001**MAM699**	Natural anodised lower guide for framed door leaves.	**per m £13.00**
001**MAM699G**	Non-finish lower guide for profile door leaves.	**per m £12.00**
001**MAL225**	Natural anodised wall-anchoring profile for fixed door leaves.	**per m £18.00**
001**MAL225G**	Non-finish wall-anchoring profile for fixed door leaves.	**per m £18.00**
001**MAL226**	Natural anodised vertical post and upper attaching crosspiece for fixed and mobile door leaves.	**per m £26.00**
001**MAL226G**	Non-finish vertical post and upper attaching crosspiece for fixed and mobile door leaves.	**per m £25.00**
001**MAL227**	Natural anodised lower slide-guide profile.	**per m £41.00**
001**MAL227G**	Non-finish lower slide-guide profile.	**per m £35.00**
001**MAL228**	Natural anodised flush floor profile for blocking and lining up fixed door leaves.	**per m £14.00**
001**MAL228G**	Non-finish flush floor profile for blocking and lining up fixed door leaves.	**per m £12.00**
001**MAL229**	Natural anodised door leaf blocking profile for anti-panic push-to-open systems.	**per m £7.00**
001**MAL229G**	Non-finish door leaf blocking profile for anti-panic push-to-open systems.	**per m £6.00**
001**MAL230**	Natural anodised vertical profile photocells for housing and leaf end-point.	**per m £9.00**
001**MAL230G**	Non-finish vertical profile photocells for housing and leaf end-point.	**per m £9.00**
	Accessories for: 001MAL226 - 001MAL227	
001**MAL231**	Natural anodised glass-holding profile.	**per m £5.00**
	Accessories for: 001MAL226G - 001MAL227G	
001**MAL231G**	Non-finish glass-holding profile.	**per m £5.00**

The complete range

Code	Description	Price £ (Excl. VAT)
	Mounting accessories	
001**MAF002**	Door-leaf to profile attaching bracket.	£14.00
001**MAF003**	Upper and lower angled brackets for attaching fixed door leaves.	£21.00
001**MAM002**	Cover for mobile door leaves fitted with anti-panic and push-to-open systems.	£16.00
001**MAM003**	Package of accessories for attaching mobile door leaf and slide sled.	£14.00
001**MAMF01**	Complete nuts and bolts package for door leaf assembly.	£10.00
001**MAMF02**	Angled adjusting bracket for one door leaf.	£12.00
001**MAMF03**	Angled profile-bracket	£15.00
	Filler gaskets (30 m / 98.42 ft packages)	
009**P3**	Filler gasket for glass 3 mm / 0.118” thick.	per m £2.00
009**P4**	Filler gasket for glass 4 mm / 0.157” thick.	per m £2.00
009**P5**	Filler gasket for glass 5 mm / 0.196” thick.	per m £2.00
009**P6**	Filler gasket for glass 6 mm / 0.236” thick.	per m £3.00
009**P7**	Filler gasket for glass 7 mm / 0.275” thick.	per m £4.00
	Plastic containment profiles (30 m / 98.42 ft packages)	
001**MAL223**	Multi-use gasket (Comes in strips of 3 m / 9.84 ft each).	per m £4.00
001**MAL224**	Central gasket for mobile door leaves (Comes in strips of 3 m / 9.84 ft each).	per m £11.00
	Customised treatment	
119**COLOR4**	Extra coating.	per m £8.00

NOTE:
Only applicable to: 001MAM613G - 001MAM699 - 001MAL225G - 001MAL226G - 001MAL227G - 001MAL228G - 001MAL229G - 001MAL230G - 001MAL231G.
Customer requests for custom paint coatings are delivered at least 30 working days from receipt of order.
Paint coats are based on glossy or matt RAL colours.
WARNING: the cost for oxidation coats is calculated considering the amount of materials that needs to be coated.

CAME



FURINI

The product line dedicated to pedestrian access control.

Furini is the CAME Group company associated with turnstiles and pedestrian access control.

A very broad range of technical solutions, all engineered and built to be functional, dependable and modular, to manage pedestrian traffic flows in high-intensity passages, such as:

- Public and private premises
- Small and medium-size enterprises
- Railway and maritime stations
- Urban metro-stations
- Sports facilities, stadiums, arenas and gyms
- Shopping malls and large distribution centres
- Hotels, inns and tourist sector facilities

Furini turnstiles, which integrate with access control devices, represent the optimal solution when setting up any customised system.

Automation for:
PARKING FACILITIES ACCESS CONTROL AND TURNSTILES

Index

CAME

Your selection guide

Parking facilities, turnstiles and access control

The tables summarise both series and models showing their maximum limits to use based on the max number of parking spaces or users.

Series	Model	
	Parking spaces available	
Ps	BARCODE	10,000
	TOKEN	10,000
	EASY	Unlimited - 500 with the 001RBM21 - 5,500 with the 001RBM84

● 230 V AC

Series	Model	
	Max number of users	
RBM21	RBM21	500
RBM84	RBM84	5,500

● 230 V AC

Parking facilities, turnstiles and access control

FLOOR-LEVEL
parking facilities

Used in manned or entirely automated pay-to-park facilities;
The Ps systems let you manage occasional users by issuing a barcode ticket or recyclable transponder token, as well as prepaid registered users in debit or timed mode by using a pre-issued transponder card.
Series: Ps

INDOOR
parking facilities

For control of multi-story or underground car parking facilities, with counter and notification of free spaces. The Ps systems can provide either manned management by one or more manual cash register stations, or completely automated management thanks to the range of dedicated automatic cash registers. Combined manual and automated management is also possible.
Series: Ps

Access control with cards
FOR SMALL VOLUMES OF USERS

Car park management for members of gyms, clubs, offices and other smaller businesses.
Series: Rbm21

Access control with cards and/or transmitters
FOR LARGE USERS VOLUMES

Car park management system for hospitals, shopping malls, business centres.
Series: Rbm84

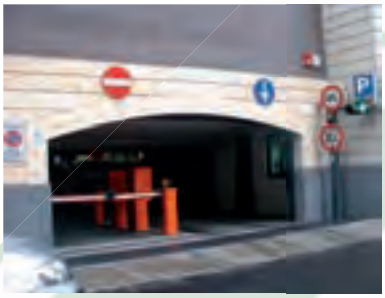
Proximity key fob transponder

CAME's proximity key fob brings you all of the potential of a transponder card, along with the comfort of always having the access device handy.

The 009PCT key fob provides the same features of a card, but with more resistance and ease-of-use.

European Regulations

A standard installation compliant with European Regulations



Installation:
IN PUBLIC AREA
The system is installed in a public area or bordering with a public area.
Example: a car park facility with entrance/exit onto a main road.

Type of user:
UNTRAINED
The system is activated by untrained users.

Type of command used:
AUTOMATIC COMMAND
The command goes through motion detector devices that are activated when users pass through.

The solutions for system safety:
INFRARED BEAM PHOTOCELLS
CAME parking barriers are designed to fit photocells directly onto the barrier cabinet.
For installation in automatic parking facilities there are the 001SMA - 001SMA2 - 001SMA220 magnetic induction loop detectors available.

The *stand-alone* sensor.

The 001TSP01 is the stand-alone operating sensor for transponder cards. This sensor can be coupled with 001TST01 transponder cards or 009PCT key fobs or 009TAG bulbs.
(it is also possible to mix & match devices totalling max. 250).

Easy to use, every card or key fob have a different code which is added to the sensor directly via cards, key fobs or master bulbs.

Simplified parking

The products

A Barrier

K 001PS5000 automatic cash register of the Ps Easy series.

V Magnetic induction loop sensor

NOTE:

- For safety devices, see parking barriers section (page 74).

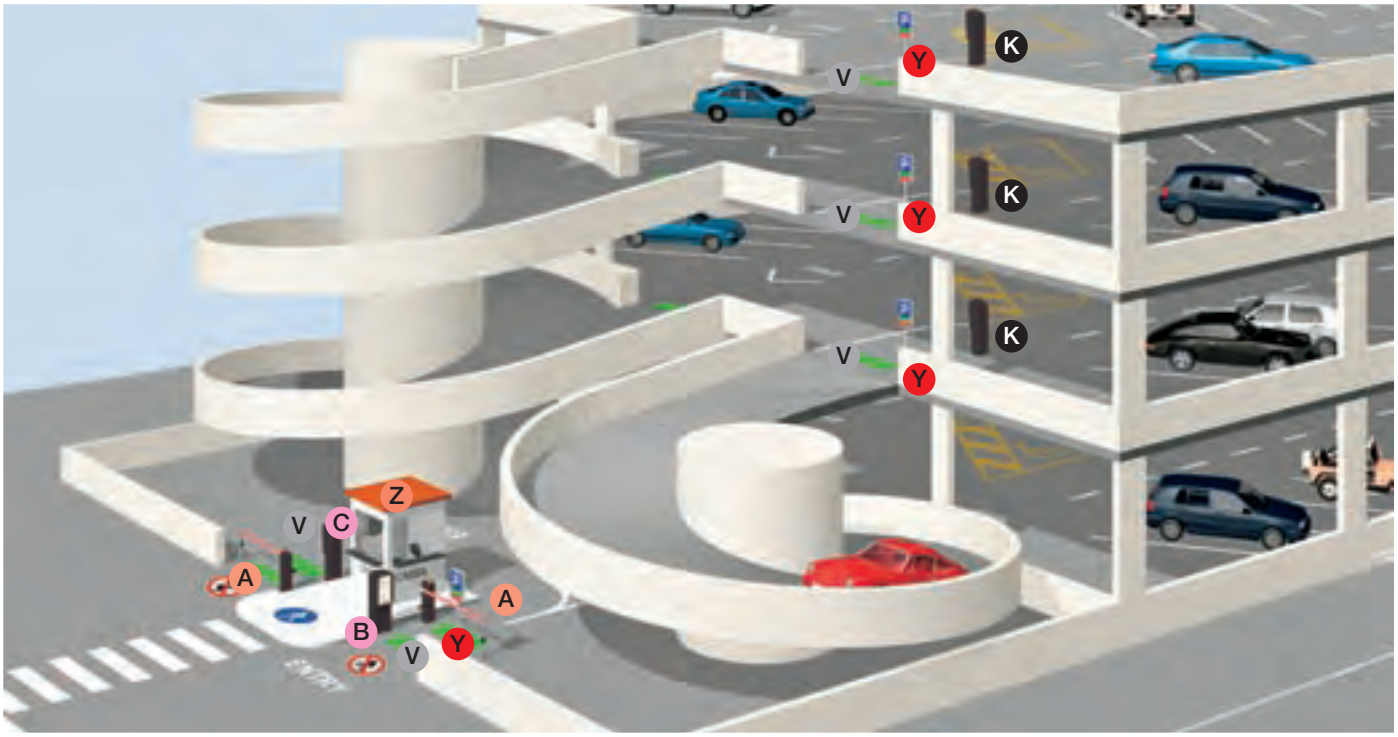
To coupling with access control system see Rbm84.

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
Powered by 230 V AC	3G x 1.5 mm²	3G x 1.5 mm²	3G x 1.5 mm²
Motor powered by 230 V AC	3G x 1.5 mm²	3G x 1.5 mm²	3G x 1.5 mm²
Motor powered by 24 V AC	2G x 1.5 mm²	2G x 1.5 mm²	2G x 1.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
24 V AC - DC 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product mounting instructions - **Warning**: The cable section is merely for example purposes as it varies depending on the power of the motor and length of the cable.

Multi-level parking



The products

- A Barriers
- K Automatic pay-stations
- V Magnetic induction loop sensor
- B Entrance unit
- C Exit unit
- Y Illuminated signs and traffic lights
- Z Attended manual cashier

NOTE:
- For safety devices, see see parking barriers section (page 74).

This type of system merely shows the main components. Every project must be carefully evaluated according to specifications and particular system requirements.

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
Powered by 230 V AC	3G x 1.5 mm²	3G x 1.5 mm²	3G x 1.5 mm²
Motor powered by 230 V AC	3G x 1.5 mm²	3G x 1.5 mm²	3G x 1.5 mm²
Motor powered by 24 V AC	2G x 1.5 mm²	2G x 1.5 mm²	2G x 1.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
24 V AC - DC 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product mounting instructions - **Warning**: The cable section is merely for example purposes as it varies depending on the power of the motor and length of the cable.

Simplified access control

The products

- A Main entrance sensor
- B Warehouse entrance sensor
- C Reception/Office entrance sensor
- D Laboratory entrance sensor

NOTE:
For safety devices, see specific section for type of automated door.

This type of system merely shows the main components. Every project must be carefully evaluated according to specifications and particular system requirements.

The 001RBM21or 001RBM84 access control unit may be placed anywhere on site, depending on the max distances allowed by the combined sensors.

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 - 20 m / 32.80 - 65.62 ft	20 - 30 m / 65.62 - 98.42 ft
Powered by 230 V AC	3G x 1.5 mm²	3G x 1.5 mm²	3G x 1.5 mm²
Motor powered by 230 V AC	3G x 1.5 mm²	3G x 1.5 mm²	3G x 1.5 mm²
Motor powered by 24 V AC	2G x 1.5 mm²	2G x 1.5 mm²	2G x 1.5 mm²
Endstop microswitches	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
24 V AC - DC 25 W flashing light	2 x 1 mm²	2 x 1 mm²	2 x 1 mm²
230 V AC 25 W flashing light	2 x 1.5 mm²	2 x 1.5 mm²	2 x 1.5 mm²
TX photocells	2 x 0.5 mm²	2 x 0.5 mm²	2 x 0.5 mm²
RX photocells	4 x 0.5 mm²	4 x 0.5 mm²	4 x 0.5 mm²
Command devices	*n° x 0.5 mm²	*n° x 0.5 mm²	*n° x 0.5 mm²
Antenna	RG58 10 m max / 32.8 ft		

*n° = see product mounting instructions - **Warning**: The cable section is merely for example purposes as it varies depending on the power of the motor and length of the cable.

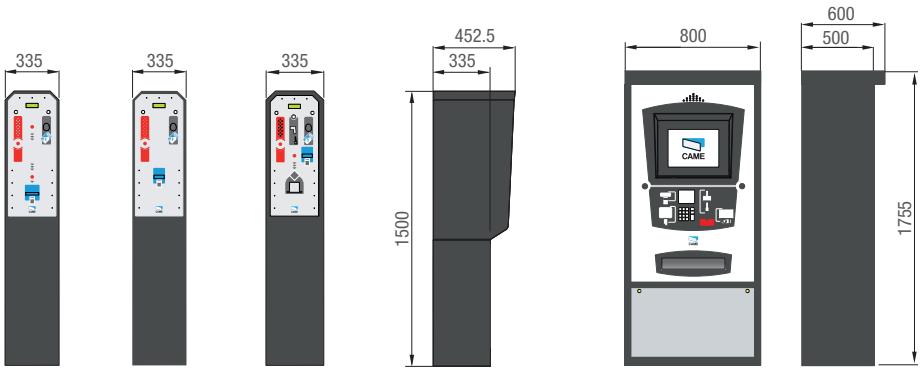
Ps Barcode

Automated Parking system with ticket dispenser

The barcode solution for managing occasional and registered users

- The system can be customised according to your needs.
- Provides management cost reduction and greater system profitability.
- Lets you establish business relationships with both public and private entities.
- Offers maximum modularity and service efficiency.
- FANFOLD ISO standard pre-cut barcode ticket for occasional users.

Dimensions (mm)



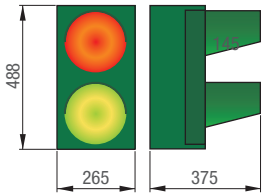
001PSE3000 001PSU3000 001PSC3000 PSC7001

Technical features

Type	IP	Model	Dimensions (B x H x P mm/in)	Power supply (V)	Material / Colour	Draw MAX	Power draw when idle	MAX power
PSC3000	40	Automatic cash register	335 x 1500 x 452.5 / 13.18 x 59.05 x 17.81	230 AC 50/60 Hz	Steel / code 053 0837	*190 mA (AC)	125 mA (AC)	*44 W
PSE3000	44	Entrance unit	295 x 1500 x 452.5 / 11.61 x 59.05 x 17.81	230 AC 50/60 Hz	Steel / code 053 0837	*200 mA (AC)	95 mA (AC)	*46 W
PSU3000	44	Exit unit	295 x 1500 x 452.5 / 11.61 x 59.05 x 17.81	230 AC 50/60 Hz	Steel / code 053 0837	*110 mA (AC)	98 mA (AC)	*26 W
PSM3000	-	Manned control unit	-	230 AC 50/60 Hz	-	-	-	-
PSC7001	40	Automatic cash register	800 x 1755 x 600 / 31.49 x 69.09 x 23.62	230 AC 50/60 Hz	Steel / code 053 0837	400 mA (AC)	360 mA (AC)	92 W
PC50	20	Interface PC	185 x 130 x 55 / 7.28 x 5.11 x 2.16	-	ABS	-	150 mA (AC)	-
PSI16	-	Control auxiliary cash registers	320 x 240 x 145 / 12.59 x 9.44 x 5.70	-	ABS	-	35 mA (AC)	-
PSIO1	-	Auxiliary device control	320 x 240 x 145 / 12.59 x 9.44 x 5.70	-	ABS	-	60 mA (AC)	-
PSC3	-	Auxiliary cash register	185 x 130 x 55 / 7.28 x 5.11 x 2.16	-	ABS	-	195 mA (AC)	-
PSD1	-	Display	145 x 185 x 40 / 5.70 x 7.28 x 1.57	-	ABS	-	150 mA (AC)	-
RBMP1	-	Electronic control unit	320 x 240 x 145 / 12.59 x 9.44 x 5.70	-	ABS	-	35 mA (AC)	-
PSSRV	55	RED / GREEN traffic light	265 x 200 X 500 / 10.43 X 7.87 X 19.68	-	Steel - Polymethacrylate	-	-	-
PSINS	44	FREE FULL sign	445 x 1500 x 452.5 / 117.51 x 59.05 x 17.81	-	Steel - Polymethacrylate	-	-	-
TST01	-	transponder	ISO7810-7813 (85 x 54 mm / 3.46 x 2.12 in)	-	-	-	-	-
PCT	-	Keychain transponder	33 x 49 x 4 / 1.29 x 1.92 x 0.15	-	ABS	-	-	-
TAG	-	Transponder bulb	-	-	Glass	-	-	-

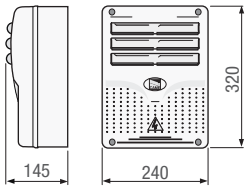
With heating unit active, the coil absorbs an additional 500 mA and requires another 90 W of power. PSC7000 credit card reader excluded

Dimensions (mm)



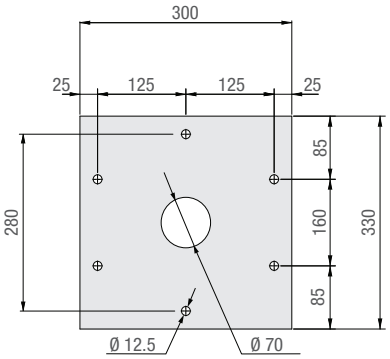
001PSSRV

001PSINS

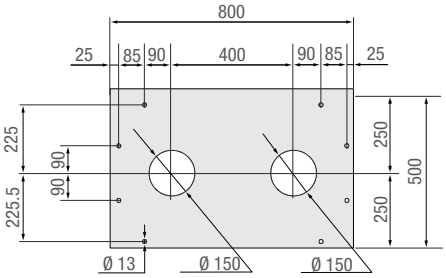


001PSM3000 - 002PSI01 - 001PSI16

Application (mm)



LOWER FASTENING BASE FOR:
PSE3000 - PSU3000 - PSC3000



LOWER FASTENING BASE FOR:
PSC7001

The automatic pay station with TOUCH SCREEN

001PSC7001 is the new antibreak-in, steel, touch screen automatic cashier.
Payment is made by coins and banknotes.
Registered users can directly and automatically recharge their card at the pay station.

The functions

- **Multi-language menu** with 6 language choices.
- **Coin and banknote reader** programmable based on the currency of the country where installed.
- **Barcode ticket reader.**
- **Notification during payment operations:** amount reached - missing - change.
- **SMS-based diagnosis** with real time checking of system status (optional).
- **Designed to take interphone** connection with 'help' call button.
- **Membership management with transponder cards** with possibility of automatically recharging registered users cards directly at the automatic cashier.
- **Advertising or service-based** notices available for customers.

The auxiliary pay station 001PSC3

A special unit to manage several validation or toll payment stations, even without a PC.
It is very useful at supermarket cash registers or in all cases where a business manager wishes to award repeat customers with complementary or partially complementary parking.

The complete range

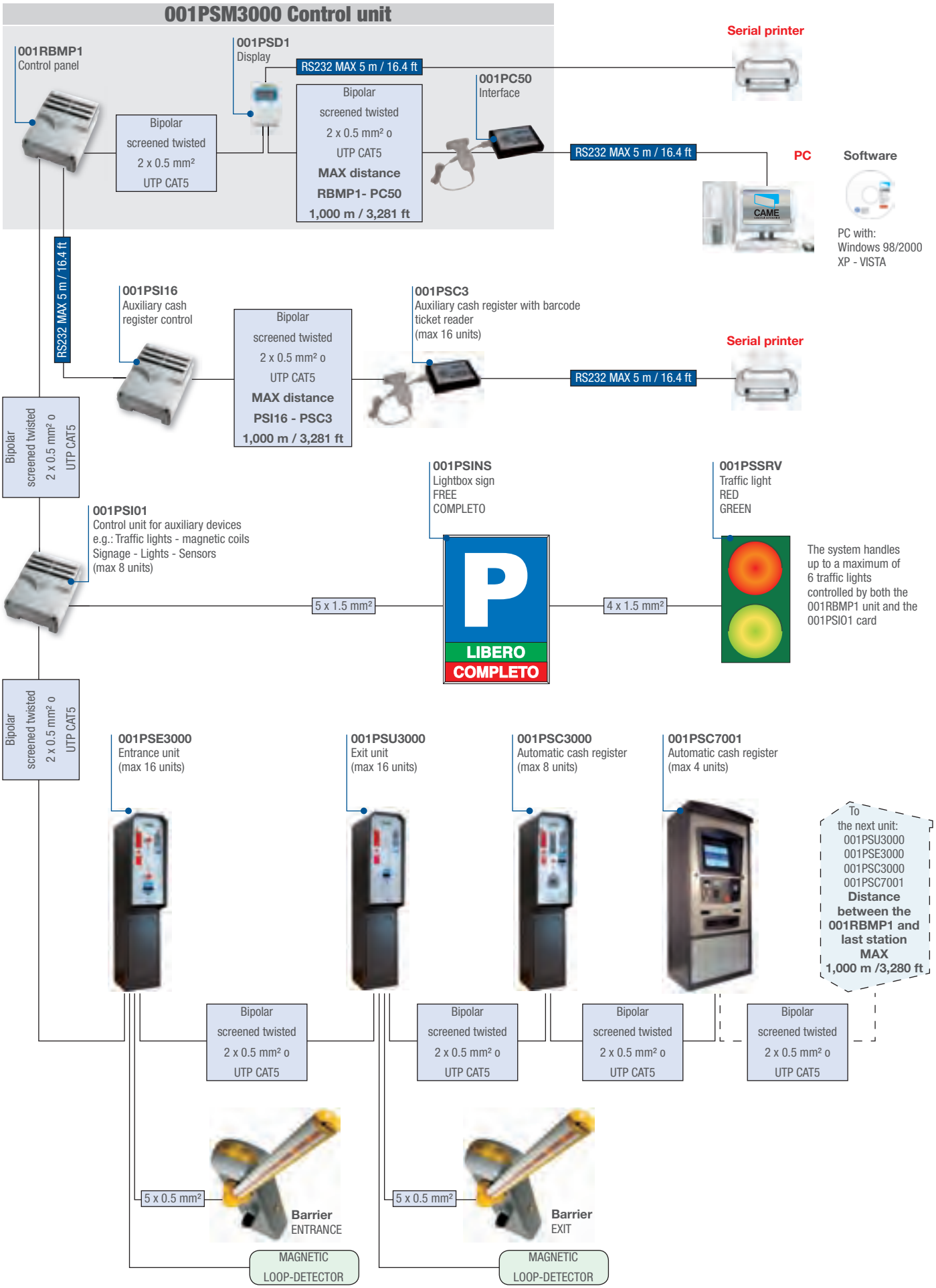
CAME

Code	Description	Price £ (Excl. VAT)
	230 V AC automatic parking system	
001**PSE3000**	**Entrance** unit made of varnished and galvanised steel. Complete with transponder sensor, barcode ticket dispenser and display showing remaining subscription credit.	£2,595.00
001**PSU3000**	**Exit** unit made of varnished and galvanised steel. Complete with transponder sensor, barcode ticket reader and display showing remaining subscription credit.	£2,395.00
001**PSC3000**	Automatic pay station made of varnished galvanised steel. Complete with card and transponder sensor, barcode ticket reader / dispenser, coin payment system, plus digital display (does not give change but prints a receipt).	£3,995.00
001**PSC7001**	Automatic pay station with varnished galvanised cabinet, satin finish AISI 304 stainless steel panel. Complete with CPU, coin and banknote reader - with change return device.	£17,995.00
001**PSM3000**	Cashier system for human car park attendant. Complete with electronic control station, management software, dispay and PC50 interface for connecting to PC.	£1,275.00
002**PSIO1**	Control unit for auxiliary device management such as traffic lights, illuminated signs, magnetic induction loop sensors and safety sensors (max 8 outputs).	£130.00
001**PSC3**	Auxiliary manual cashier with barcode ticket reader. (If combined with a PSI16 enables implementation of a payment station without a direct connection to a PC).	£385.00
001**PSI16**	Interface to connect up to 16 auxiliary manual cashiers.	£285.00
001**PSTICKET2A**	Pack of 2000 pre-cut standard FANFOLD ISO type tickets.	£115.00
	Accessories for transponder sensor	
001**TST01**	ISO 7810 -7813 format transponder card. (Also available in packs of 50 or 100)	£10.00
009**PCT**	Keychain transponder. (Also available in packs of 50 or 100)	£10.00
009**TAG**	Glass transponder bulb. (Also available in packs of 50 or 100)	£13.00
	24 V AC - DC magnetic sensors	
009**SMA**	24 V AC - DC one-channel magnetic induction loop sensor.	£210.00
009**SMA2**	24 V AC - DC bi-channel magnetic induction loop sensor.	£297.00
	230 V AC magnetic sensors	
009**SMA220**	230 V AC bi-channel magnetic induction loop sensor.	£297.00
	Warning accessories	
001**PSINS**	Double sided illuminated sign “FREE” - "FULL".	£840.00
001**PSSRV**	Traffic light with red and green lights in two separate modules, dimensions 265 x 200 x 500 mm / 10.43” X 7.87” X 19.68”, made of ABS plastic with Ø 200 mm / 7.87” polymethacrylate lamp screen and IP55 protection rating.	£375.00

NOTE
001PSSRV maximum power for each lamp is 70 W powered by 230 V AC, complete with rain guard for each module (size of the rain guard is Ø 220 mm / 8.66” L = 200 mm / 7.87”.)
The lamps ARE NOT INCLUDED.

Connection diagram

CAME



● NOT SUPPLIED

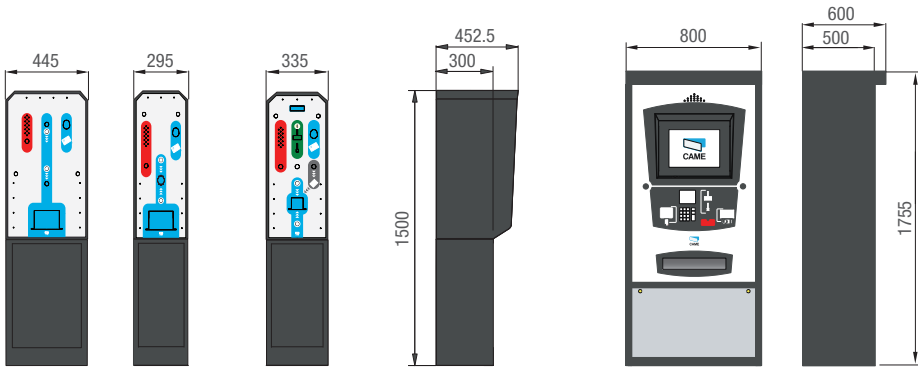
Ps Token

Automated Parking System with token reader

The coin-operated car park management solution for charging occasional users

- Parking facility management system with transponder token, easy to use.
- Ideal for managing occasional users.
- Can also manage registered users via transponder cards.
- Ps Token is a modular and flexible system, the right answer to complex multi-level or multi-floor installations, with various entrance and exit points.

Dimensions (mm)



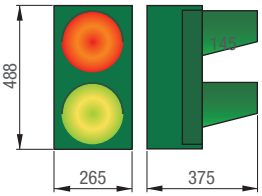
001PSE4000 001PSU4000 001PSC4000 PSC6001

Technical features

Type	IP	Model	Dimensions (B x H x P mm/in)	Power supply (V)	Material / Colour	MAX draw	Power draw when idle	MAX power
PSC4000	40	Automatic cash register	335 x 1500 x 452.5 / 13.18 x 59.05 x 17.81	230 AC 50/60 Hz	RAL 1028 / Steel	*200 mA (AC)	125 mA (AC)	*46 W
PSE4000	44	Entrance unit	295 x 1500 x 452.5 / 11.61 x 59.05 x 17.81	230 AC 50/60 Hz	RAL 1028 / Steel	*180 mA (AC)	98 mA (AC)	*42 W
PSU4000	44	Exit unit	295 x 1500 x 452.5 / 11.61 x 59.05 x 17.81	230 AC 50/60 Hz	RAL 1028 / Steel	*235 mA (AC)	72 mA (AC)	*55 W
PSM4000	-	Control unit	-	230 AC 50/60 Hz	-	-	-	-
PSC6001	40	Automatic cash register	800 x 1755 x 600 / 31.49 x 69.09 x 23.62	230 AC 50/60 Hz	Steel / code 053 0837	400 mA (AC)	360 mA (AC)	92 W
PC30	20	Interface PC	185 x 130 x 55 / 7.28 x 5.11 x 2.16	-	ABS	-	175 mA (AC)	-
PSI16	-	Control auxiliary cash registers	320 x 240 x 145 / 12.59 x 9.44 x 5.70	-	ABS	-	35 mA (AC)	-
PSIO1	-	Auxiliary device control	320 x 240 x 145 / 12.59 x 9.44 x 5.70	-	ABS	-	60 mA (AC)	-
PSC1	-	Auxiliary cash register	185 x 130 x 55 / 7.28 x 5.11 x 2.16	-	ABS	-	195 mA (AC)	-
PSD1	-	Display	145 x 185 x 40 / 5.70 x 7.28 x 1.57	-	ABS	-	150 mA (AC)	-
RBMP1	-	Electronic control unit	320 x 240 x 145 / 12.59 x 9.44 x 5.70	-	ABS	-	35 mA (AC)	-
PSSRV	55	RED / GREEN traffic light	-	-	Steel - Polymethacrylate	-	-	-
PSINS	44	FREE FULL sign	445 x 1500 x 452.5 / 117.51 x 59.05 x 17.81	-	Steel - Polymethacrylate	-	-	-
TST01	-	Transponder card	ISO7810-7813 (85 x 54 mm / 3.46 x 2.12 in)	-	-	-	-	-
PCT	-	Keychain transponder	33 x 49 x 4 / 1.29 x 1.92 x 0.15	-	ABS	-	-	-
TAG	-	Transponder bulb	-	-	Glass	-	-	-
GET	-	Transponder token	Ø 30 / 1.18	-	ABS	-	-	-

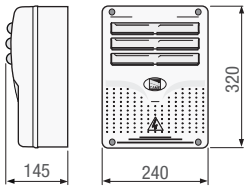
With heating unit active, the coil absorbs an additional 500 mA and requires another 90 W of power. PSC6000 credit card reader excluded

Dimensions (mm)



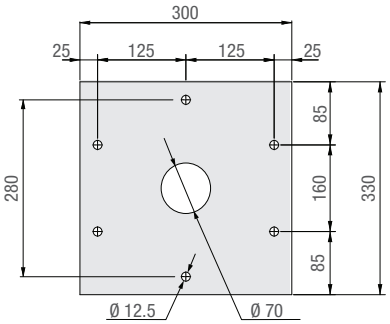
001PSSRV

001PSINS

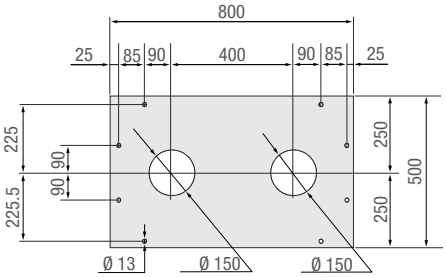


001PSM4000 - 002PSI01 - 001PSI16

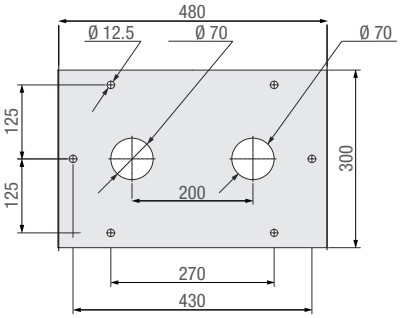
Application (mm)



LOWER FASTENING BASE FOR:
PSU4000 - PSC4000



LOWER FASTENING BASE FOR:
PSC6001



LOWER FASTENING BASE FOR:
PSE4000

The automatic pay station with TOUCH SCREEN

001PSC7001 is the new antibreak-in, steel, touch screen automatic cashier.
Payment is made by coins and banknotes.
Registered users can directly and automatically recharge their card at the pay station.

The functions

- **Multi-language menu** with 6 language choices.
- **Coin and banknote reader** programmable based on the currency of the country where installed.
- **Notification during payment operations:** amount reached - missing - change.
- **SMS-based diagnosis** with real time checking of system status (optional).
- **Designed to take interphone** connection with 'help' call button.
- **Membership management with transponder cards** with possibility of automatically recharging registered users cards directly at the automatic cashier.
- **Advertising or service-based** notices available for customers.

The auxiliary pay station 001PSC1

A special unit that enables implementation of additional payment stations without a direct connection to a PC.

It is very useful at supermarket cash registers or in all cases where a business manager wishes to award repeat customers with complementary or partially complementary parking.

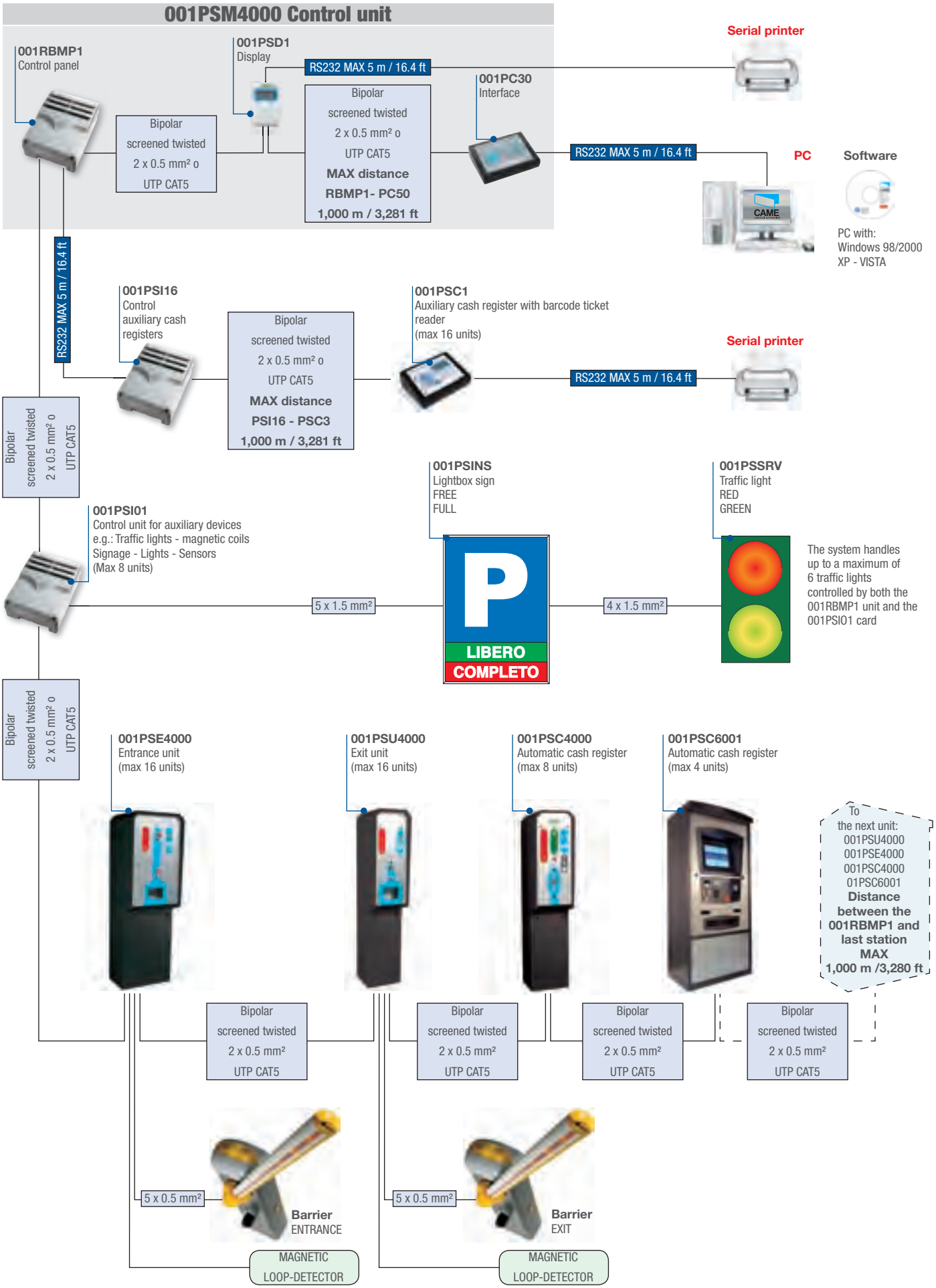
The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	230 V AC automatic parking system	
001**PSE4000**	**Entrance** unit made of varnished galvanised steel, complete with proximity card and key fob transponder sensor and GET token dispenser.	£2,350.00
001**PSU4000**	**Exit** unit made of varnished galvanised steel, complete with proximity card and key fob transponder sensor and GET token collector.	£1,850.00
001**PSC4000**	Automatic pay station made of varnished, galvanised steel, complete with card and transponder sensor, coin payment system, GET token dispenser/reader and display. (Does not give change but prints receipts).	£3,550.00
001**PSC6001**	Automatic pay station with varnished galvanised cabinet, satin finish AISI 304 stainless steel panel, complete with computer hardware, coin and banknote reader and change dispenser.	£15,950.00
001**PSM4000**	Cashier system for human car park attendant. Complete with control station, management software, display and interface to connect to PC30.	£1,150.00
002**PSIO1**	Control unit for auxiliary device management such as traffic lights, illuminated signs, magnetic induction loop sensors and safety sensors (max 8 outputs).	£130.00
001**PSC1**	Auxiliary manual cashier. (If combined with a PSI16 enables implementation of a payment station without a direct connection to a PC).	£255.00
001**PSI16**	Interface for connecting up to 16 manual cash register units.	£285.00
009**GET**	Transponder token. (Also available in packs of 50 or 100)	£10.00
	Accessories for transponder sensor	
001**TST01**	ISO 7810 -7813 format transponder card. (Also available in packs of 50 or 100)	£10.00
009**PCT**	Transponder key fob. (Also available in packs of 50 or 100)	£10.00
009**TAG**	Glass transponder bulb. (Also available in packs of 50 or 100)	£13.00
	24 V AC - DC magnetic sensors	
009**SMA**	24 V AC - DC one-channel magnetic induction loop sensor.	£210.00
009**SMA2**	24 V AC - DC bi-channel magnetic induction loop sensor.	£297.00
	230 V AC magnetic sensors	
009**SMA220**	230 V AC bi-channel magnetic induction loop sensor.	£297.00
	Warning accessories	
001**PSINS**	Double sided illuminated sign “FREE” - “FULL”.	£840.00
001**PSSRV**	Traffic light with red and green lights in two separate modules, dimensions 265 x 200 x 500 mm / 10.43” X 7.87” X 19.68”, made of ABS plastic with Ø 200 mm / 7.87” polymethacrylate lamp screen and IP55 protection rating.	£375.00

NOTE
001PSSRV maximum power for each lamp is 70 W powered by 230 V AC, complete with rain guard for each module (size of the rain guard is Ø 220 mm / 8.66” L = 200 mm / 7.87”.)
The lamps ARE NOT INCLUDED.

Connection diagram



● NOT SUPPLIED

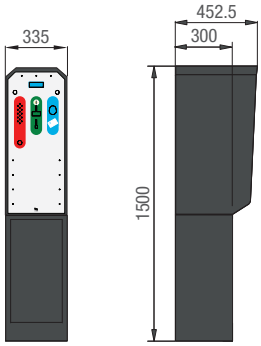
PS Easy

Simplified automatic parking facilities

The simplified coin-operated car park management solution

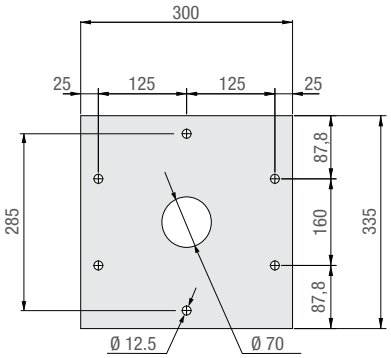
- A practical and safe solution for managing small car parks.
- Easy to install, it works only with coins and does not give change.
- Coupled with the Rbm21 or Rbm84 access control system, it allows you to manage registered parkers or residents.
- A fixed-rate payment system which is programmable by the staff operating the system.
- Simple and convenient for complete car park management.

Dimensions (mm)

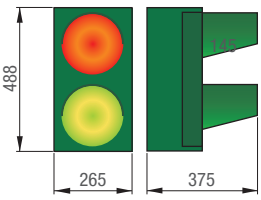


001PS5000

Application (mm)

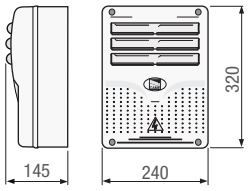


LOWER FASTENING BASE FOR:
PS5000



001PSSRV

001PSINS



001RBM84

Technical features

Type	IP	Model	Dimensions (B x H x P mm/in)	Power supply (V)	Material / Colour	MAX draw	22,889 mm	MAX power
PSC5000	54	Automatic cash register	335 x 1500 x 452.5 / 13.18 x 59.05 x 17.81	230 AC 50/60 Hz	Steel / code 053 0837	*100 mA (AC)	-	-
PSSRV	55	RED / GREEN traffic light	-	-	Steel - Polymethacrylate	-	-	-
PSINS	44	FREE / FULL illuminated sign	445 x 1500 x 452.5 / 117.51 x 59.05 x 17.81	-	Steel - Polymethacrylate	-	-	-
TST01	-	transponder	ISO7810-7813 (85 x 54 mm)	-	-	-	-	-
PCT	-	Keychain transponder	33 x 49 x 4 / 1.29 x 1.92 x 0.15	-	ABS	-	-	-
TAG	-	Transponder bulb	-	-	Glass	-	-	-

When heating unit is active, the coil absorbs an additional 600 mA

The complete range

Code	Description	Price £ (Excl. VAT)
	230 V AC automatic parking system	
001**PS5000**	Galvanised and varnished steel cash register, complete with coin-pay system and display (showing fixed parking rate - does not give change).	£2,495.00
	24 V AC - DC magnetic sensors	
009**SMA**	24 V AC - DC one-channel magnetic induction loop sensor.	£210.00
009**SMA2**	24 V AC - DC bi-channel magnetic induction loop sensor.	£297.00
	230 V AC magnetic sensors	
009**SMA220**	230 V AC bi-channel magnetic induction loop sensor.	£297.00

NOTE
To set up parking management services, the 001PS5000 parking system must be coupled with the 001RBM84 access control system.

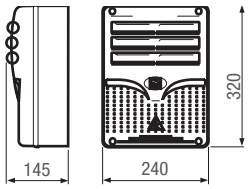
Rbm21

Simplified Access control for up to 500 users

The ideal solution for managing pedestrian or vehicle transit with or without payment.

- Ideal for managing membership services at gyms, sports centres and small parking facilities.
- It comes with its own dedicated software and works with transponder and magnetic band cards.
- Private parking managed by the RBM21 is complete with the addition of the 001PSSRV and 001PSINS traffic light and illuminated sign respectively.
- An on-board sensor makes it possible to register cards directly into the system control board, even without a direct connection to a PC.

Dimensions (mm)



Limits to use

MODEL	RBM21
Max number of users	500
Dedicated software	YES
Used without PC	YES (PARTIAL)
Type of PC connection	RS232 - RS485
Max distance between the RBM21 and the PC	PC40 (RS232) PC40)
Max number of connectable sensors	2 inputs + 2 outputs (or 2 inputs/outputs)
Relay outputs for commanding the automation	2 (N.O. - C.)
Connecting to the traffic light or illuminated sign	1 (N.O. - N.C.)
Auxiliary memory card	YES
On-board selection display	YES
Total number of magnetic coil connections	2
On-board sensor	YES (Only for transponder cards)

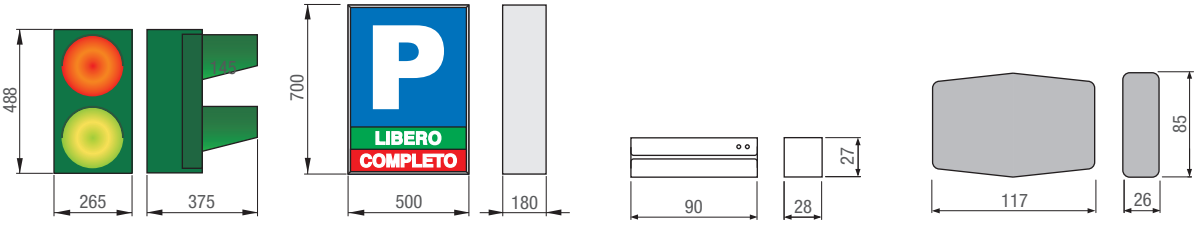
● 230 V AC

Technical features

Type	RBM21	PC40	TSP00	LT001
IP protection rating	IP54	IP20	IP54	-
Power supply (V)	230 AC (50/60 Hz)	12 AC (power source)	from R700	from R700
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131

● 230 V AC

Dimensions (mm)



001PSSRV 001PSINS 001LT001 001PC40

Access control STAND ALONE

Thanks to an on-board sensor for inputing transponder cards into the control board **RBM21** can function and configure the installation even without PC.

The software for the RBM21

The graphics program of the dedicated software is clear, easy to understand and use. It will run on any standard Windows PC.
RBM21 can be configured to individual system requirements and can memorise cards and parameters for each user. It also debits user credit at entrances, even with different values, that can be customised at each single sensor.
If needed, opening can be commanded directly via PC.

The functions

- **Prepaid at entrances:** users of this service 'top-up' their cards with credit prior to use. Payment is taken from from the card at every use. Credits must be assigned at the time the card is added to the system and each sensor may be associated with a different value.
- **Prepaid time mode:** The amount of payment taken from the card is dependant on the time spent within the managed facility.
- **Card blocking:** cards can be blocked at any time.
- **User addition:** a new card can be added at any time.
- **Antipassback:** this function prevents simultaneous entrance of users using the same card.
- **Timed antipassback:** this function blocks cards for a set amount of time. Cards are normally cleared upon exit, with this function.

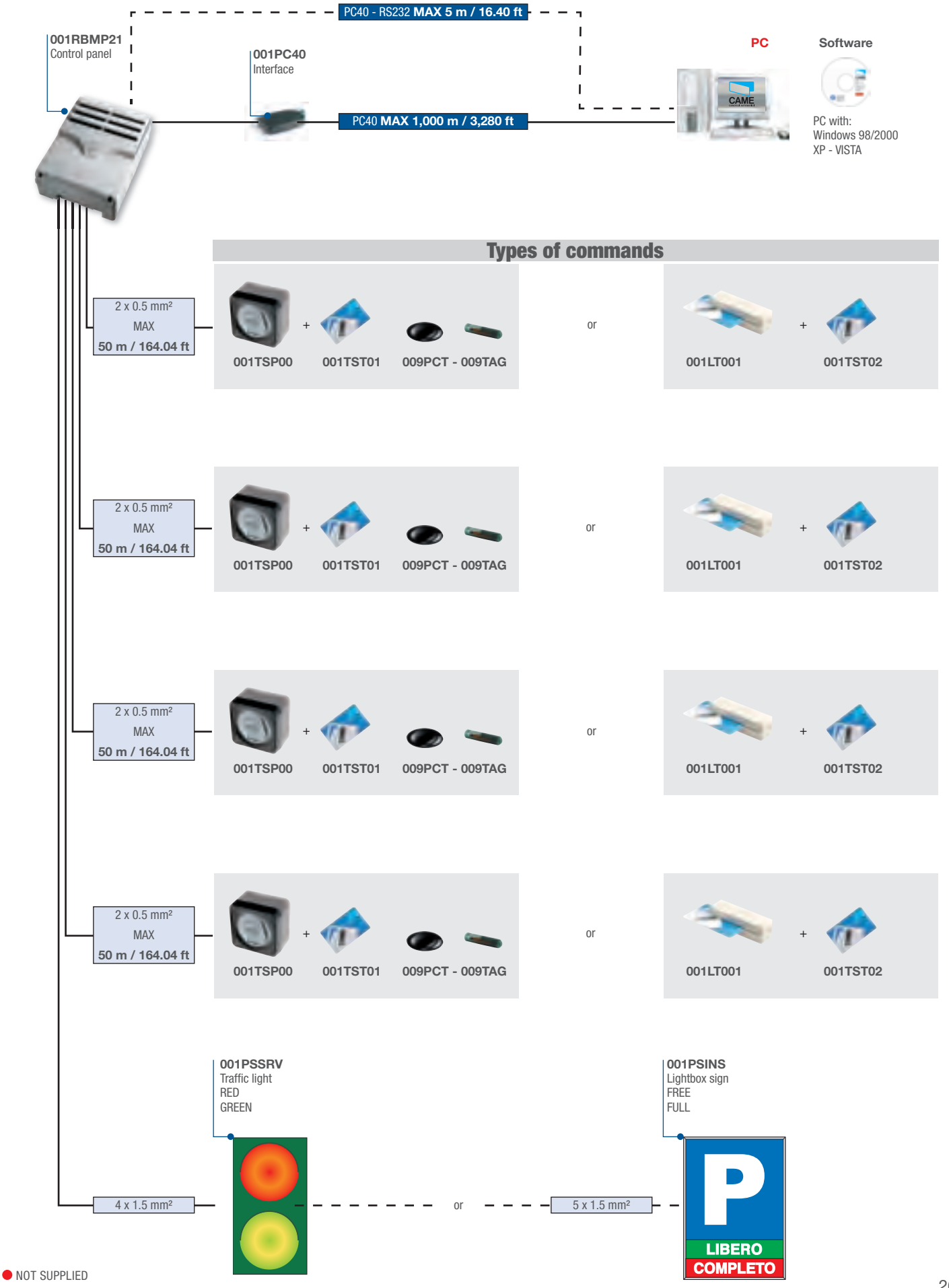
This system can work with any CAME automation such as parking and chain barriers.

The complete range

Code	Description	Price £ (Excl. VAT)	
	230 V AC management and control unit		
001**RBM21**	Control unit for transponder sensors, magnetic induction loop sensors and magnetic band card readers, complete with software.	£375.00	
	Accessories for: 001RBM21		
001**PC40**	Serial interface for remote PC connection (up to 1,000 m / 3,280 ft).	£85.00	
	Transponder sensors		
001**TSP00**	Transponder sensor for cards, key fobs and glass transponder bulbs (TAG).	£44.00	
	Accessories for: 001TSP00		
001**TST01**	ISO 7810 - 7813 format transponder card.	£10.00	
	Magnetic band card readers		
001**LT001**	Magnetic card reader.	£115.00	
	Accessories for: 001LT001		
001**TST02**	Magnetic band card in ISO 7810 -7813 format.	£3.00	
001**LTT**	Card reader support.	£10.00	
	Warning accessories		
001**PSINS**	Double sided illuminated sign “FREE” - “FULL”.	£840.00	
001**PSSRV**	Traffic light with red and green lights in two separate modules, dimensions 265 x 200 x 500 mm / 10.43” X 7.87” X 19.68”, made of ABS plastic with Ø 200 mm / 7.87” polymethacrylate lamp screen and IP55 protection rating.	£375.00	

NOTE
001PSSRV maximum power for each lamp is 70 W powered by 230 V AC, complete with rain guard for each module (size of the rain guard is Ø 220 mm / 8.66” L = 200 mm / 7.87”.)
The lamps ARE NOT INCLUDED.

Connection diagram



● NOT SUPPLIED

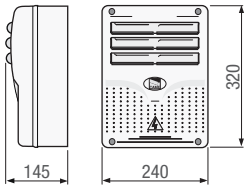
Rbm84

Access control for up to 5,500 users

The ideal solution for managing parking facilities in high traffic volume areas

- Global access control. Can work via modem.
- It can be completed with various command systems.
- An easy and intuitive software for managing user-specific functions.
- Users are managed via transponder and magnetic band cards, coded keypad or transmitters.
- Real time processing of user-specific clearances to provide or deny access to a specific area controlled by the system.

Dimensions (mm)



Limits to use

MODEL	RBM21
Max number of users	5,500
Dedicated software	YES
Used without PC	YES
Programming without PC	NO
Type of PC connection	RS232
Max distance between the RBM84 and the PC	1,000 m with the PC30 (RS485)
Max number of connectable sensors	124 (max configuration with 60 REMs)
Relay outputs for commanding the automated device	128 (max configuration with 60 REMs)
Digital inputs	128
Connecting to the traffic light or illuminated sign	YES
Connection for magnetic induction loop	YES

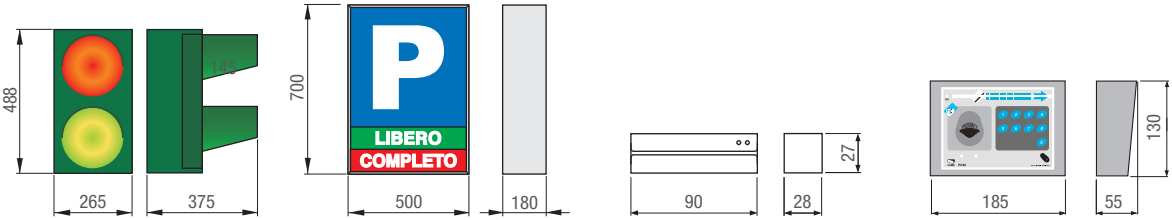
● 230 V AC

Technical features

Type	RBM84	PC30	TSP00	LT001
IP protection rating	IP54	IP20	IP54	-
Power supply (V)	230 AC (50/60 Hz)	12 AC (power source)	from R700	from R700
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131

● 230 V AC

Dimensions (mm)



001PSSRV 001PSINS 001LT001 001PC30

All commands
WITHIN EASY REACH

RBM84 allows you to manage systems with large amount of users using different command systems (i.e. transmitters, coded selectors, cards, etc.)
It also provides real time access data for all users present within the managed area.

The software
RBM84

The graphical interface software is clear, easy to understand and use. It will run on any standard Windows PC.

The functions

- **Prepaid at entrances.** Payment is taken upon entry from pre-paid 'top-up' card.
- **Prepaid time mode.** Payment is dependant on the time spent within the managed facility.
- **Selectable time intervals**
- **Card blocker** from PC
- **Card insertion** from PC
- **Parking mode**
- **Event printing**
- **Entrance/exit antipassback**
- **Timed antipassback**
- **Flow history**
- **Instant event** visualisation
- **Automation direct** command
- **Differentiated user control** (through groups)
- **Opening and/or closing** at facilities on pre-set dates
- **Automatic opening** of facilities at pre-set times
- **Total block** of the system from PC
- **Software** access password
- **Synchronisation** of the state of the facilities

This system can work with any CAME automated device such as road and chain barriers.

The complete range

CAME

Code	Description	Price £ (Excl. VAT)	
	230 V AC management and control unit		
001**RBM84**	Radio control unit for transponder sensors, magnetic induction loop sensors and magnetic band card readers complete with software.	£1,250.00	
	Accessories for: 001RBM284		
001**PC30**	Serial interface for managing the 001RBM84 unit via PC, complete with 12 V - 800 mA power supply unit and serial connection cable.	£620.00	
001**REM**	Built-in radio-decoder unit for expanding the 001RBM84.	£410.00	
	Transponder sensors		
001**TSP00**	Transponder sensor for cards, key fobs and glass transponder bulbs (TAG).	£44.00	
	Accessories for: 001TSP00		
001**TST01**	ISO 7810 - 7813 format transponder card.	£10.00	
	Magnetic band card readers		
001**LT001**	Magnetic card readers.	£115.00	
	Accessories for: 001LT001		
001**TST02**	Magnetic band card in ISO 7810 -7813 format.	£3.00	
001**LTT**	Card reader support.	£10.00	
	Accessories for: 001S5000 - 001S6000 - 001S7000		
001**R800**	Decoder and access control management card for keypad digital selectors.	£22.00	
	Accessories for: 001TSP00 - 001LT001		
001**R700**	Decoder and access control management card for transponder sensors and magnetic band card readers.	£41.00	
	Radio modules		
001**R501N**	Radio module (to combine with 001AF43S).	£92.00	
	Warning accessories		
001**PSINS**	Double sided illuminated sign “FREE” - “FULL”.	£840.00	
001**PSSRV**	Traffic light with red and green lights in two separate modules, dimensions 265 x 200 x 500 mm / 10.43” X 7.87” X 19.68”, made of ABS plastic with Ø 200 mm / 7.87” polymethacrylate lamp screen and IP55 protection rating.	£375.00	

NOTE
001PSSRV maximum power for each lamp is 70 W powered by 230 V AC, complete with rain guard for each module (size of the rain guard is Ø 220 mm / 8.66” L = 200 mm / 7.87”.)
The lamps ARE NOT INCLUDED.
For the radio command see the following series: Atomo, Tam, Twin.
For coded keyboards see the Digital series.

Connection diagram

CAME

Types of commands

Atomo
Tam
Twin
Transmitters

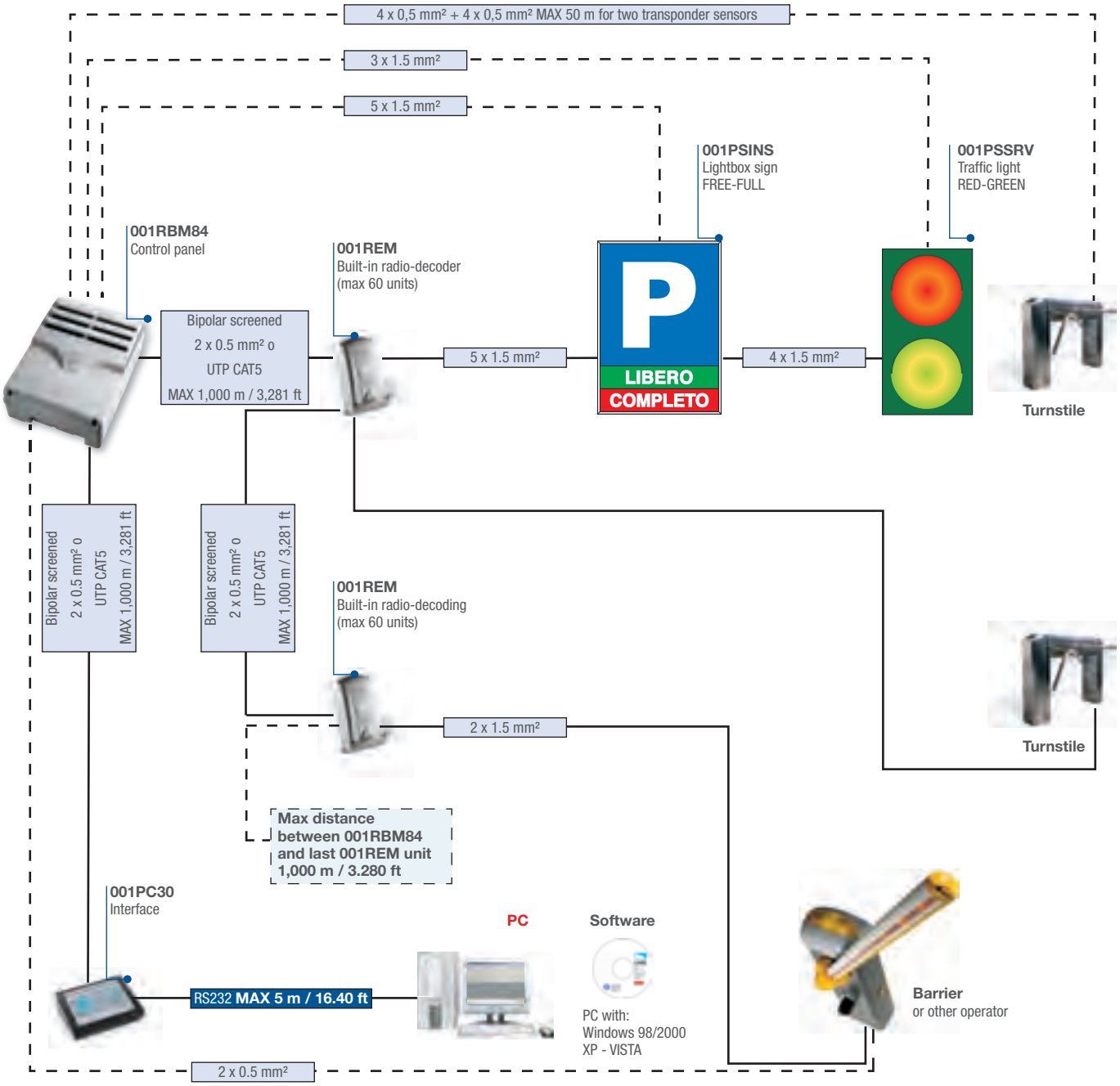
001TSP00
001TST01
Transponder sensor for cards

009PCT
009TAG
Keychain transponder TAG Transmitters

001LT001
001TST02
Magnetic card readers

001WA01
Transponder sensor with built-in transmitter

Serie S
Selectors



● NOT SUPPLIED

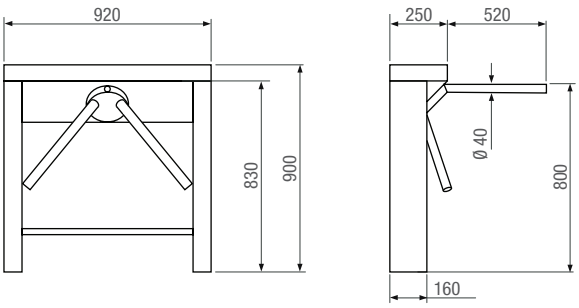
Bridge

Mechanical and electromechanical tripod turnstiles

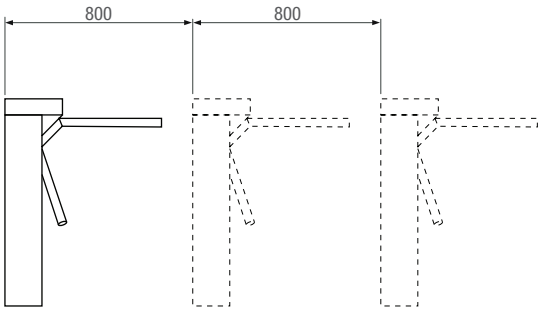
The ideal solution for controlling pedestrian access in busy situations

- Ideal for controlling entrances and exits at leisure centres, museums, supermarkets and other commercial facilities.
- Small in size it is the ideal solution for multiple access control even when space is an issue.
- Exceptionally sturdy and resistant to vandalism and tampering.
- RAL 7035 varnish finish.

Dimensions (mm)



Application (mm)



Technical features

Type	PSAP01A - PSAP010	PSAP07 - PSAP08
Power supply (V)	-	230 AC
Operating power (V)	-	24 DC
Current draw (A)	-	2.5
Weight (Kg)	40	40
Operating temperature (°C/°F)	-	-20 ~ +55 / -4 ~ +131

● 230 V AC

The complete range

Code	Description	Price £ (Excl. VAT)	
	Mechanical tripod turnstiles		
001**PSAP01A**	Mechanical monodirectional anti-clockwise turnstile complete with hydraulic damper. Painted steel body.	£1,295.00	
001**PSAP01O**	Mechanical monodirectional turnstile clockwise complete with hydraulic damper. Painted steel body.	£1,295.00	
	Electromechanical tripod turnstiles		
001**PSAP07N**	Electromechanical bi-directional turnstile complete with control board and hydraulic damper. Automatic tripod release in case of power cuts.	£1,695.00	
001**PSAP08**	Electromechanical bi-directional turnstile complete with control board, hydraulic damper, bi-directional traffic light and high luminosity LED. Automatic tripod release in case of power cuts.	£1,850.00	
	Accessories for mechanical and electromechanical tripod turnstiles		
001**PSOPSC01**	Panic-release arms with pressure joint.	£415.00	
001**PSOPCN01**	Mechanical counter meter.	£115.00	
001**PSOPG01**	Stainless steel lateral guide barrier - post with 100cm arc, metal flange and **plastic** flange cover.	£210.00	
001**PSOPG01X**	Stainless steel lateral guide barrier - post with 100cm arc, metal flange and **stainless steel** flange cover.	£235.00	
001**PSPEART**	Plate with anticorodal structure and rice-grain aluminium walkway. To couple with Top series barriers and modular barriers.	£875.00	
	Accessories for electromechanical tripod turnstiles		
001**PSOPCN03**	Electronic counter meter.	£155.00	
001**PSOPSF03**	Bi-directional traffic light with high-intensity LED.	£100.00	

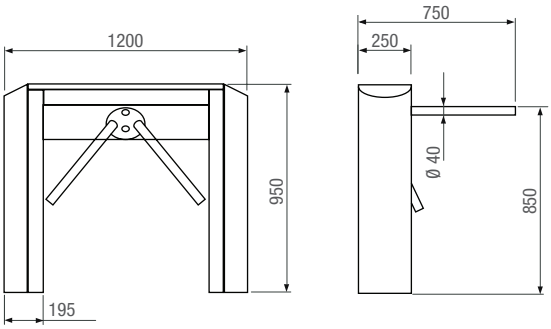
Twister light

Electromechanical tripod turnstiles

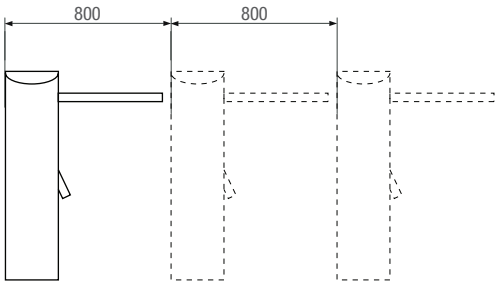
The ideal solution for controlling pedestrian access in busy situations

- The practical and functional turnstile for managing high-flow rates
- Ideal for installing at train stations, ports and metro stations, sports facilties and stadiums, where entrance and exit operations need to be optimised.
- Perfectly integratable with CAME access control systems.
- Comes with the option to fit a transponder sensor for reading proximity cards and key fobs.

Dimensions (mm)



Application (mm)



Technical features

Type	PSBPS07N
Power supply (V)	230 AC
Operating power (V)	24 DC
Current draw (A)	2.5
Weight (Kg)	60
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131

● 230 V AC

The complete range

Code	Description	Price £ (Excl. VAT)	
	Electromechanical tripod turnstiles		
001**PSBPS07N**	Electromechanical bi-directional turnstile made of AISI 304 steel with scotch-brite finish. Complete with control board and hydraulic damper. Automatic tripod release in case of power cuts.	**£1,925.00**	
	Accessories for: electromechanical tripod turnstiles		
001**PSOPSC01**	Panic-release arms with pressure joint.	**£415.00**	
001**PSOPG01**	Stainless steel lateral guide barrier - post with 100cm arc, metal flange and plastic flange cover.	**£210.00**	
001**PSOPG01X**	Stainless steel lateral guide barrier - post with 100cm arc, metal flange and **stainless steel** flange cover.	**£235.00**	
001**PSPEBUL**	Plate with anticorodal structure and rice-grain aluminium walkway. To couple with Top series barriers and modular barriers.	**£995.00**	
001**PSOPCN03**	Electronic counter meter.	**£155.00**	
001**PSOPSF03**	Bi-directional traffic light with high-intensity LED.	**£100.00**	

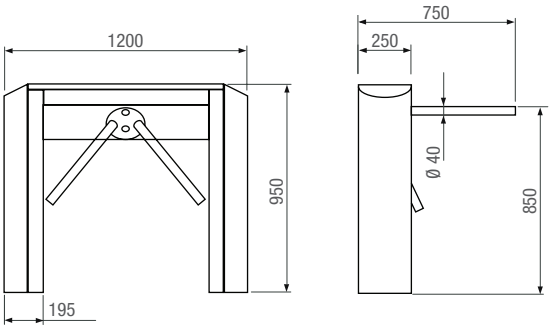
Twister

Electromechanical tripod turnstiles

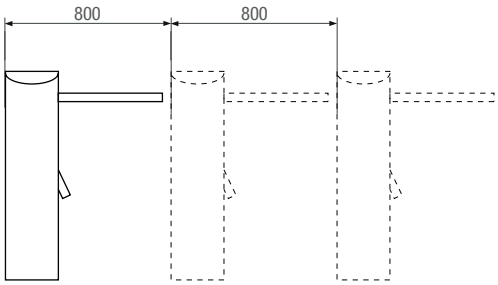
The ideal solution for controlling pedestrian access in busy situations - with transponder.

- The practical and functional turnstile for managing high-flow rates.
- Ideal for installing at train stations, ports and metro stations, sports facilties and stadiums, where entrance and exit operations need to be optimised.
- Perfectly integratable with CAME access control systems.

Dimensions (mm)



Application (mm)



Technical features

Type	PSTPST001 - PST002 - PST003 - PST004
Power supply (V)	230 AC
Operating power (V)	24 DC
Current draw (A)	2.5
Weight (Kg)	60
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131

● 230 V AC

The complete range

Code	Description	Price £ (Excl. VAT)	
	Electromechanical tripod turnstiles		
001**PST001**	Electromechanical bi-directional turnstile made of AISI 304 steel with transponder sensors plus traffic light with display. Automatic tripod release in case of power cuts.	£2,195.00	
001**PST002**	Electromechanical bi-directional turnstile made of AISI 304 steel with display. Automatic tripod release in case of power cuts.	£2,095.00	
001**PST003**	Electromechanical bi-directional turnstile made of AISI 304 steel with scotch-brite finishing, complete with control board, high-intensity LED traffic light, display and Climb-over detection system. Automatic tripod release in case of power cuts.	£2,750.00	
001**PST004**	Electromechanical bi-directional turnstile made of AISI 304 steel with display. Automatic tripod release in case of power cuts and arm stand-down system.	£3,150.00	
	Accessories for: electromechanical tripod turnstiles		
001**PSOPSC01**	Panic-release arms with pressure joint.	£415.00	
001**PSOPG01**	Stainless steel lateral guide barrier - post with 100cm arc, metal flange and plastic flange cover.	£210.00	
001**PSOPG01X**	Stainless steel lateral guide barrier - post with 100cm arc, metal flange and **stainless steel** flange cover.	£235.00	
001**PSPEBUL**	Plate with anticorodal structure and rice-grain aluminium walkway. To couple with Top series barriers and modular barriers.	£995.00	

NOTE
001PSOPSC01 Not suitable for 001PST004.

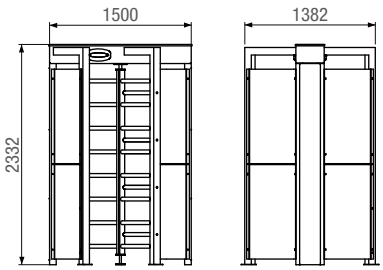
Guardian

High security turnstiles

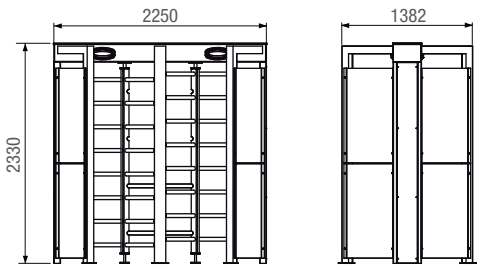
The ideal solution for controlling pedestrian access in high-security situations

- The full-height turnstile takes care of your security issues.
- Resistant to weather conditions and ideal for installing outdoors.
- Ideal for installing in airports, stations and large sports stadiums.
- Solid, sturdy and durable, to ensure total protection.
- RAL 7035 varnish finish.
- Central rotor made of AISI 304 stainless steel.

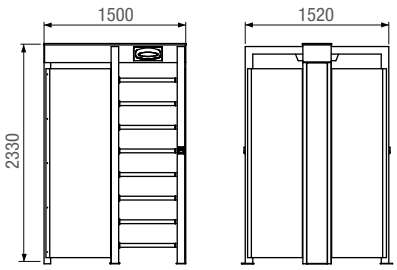
Dimensions (mm)



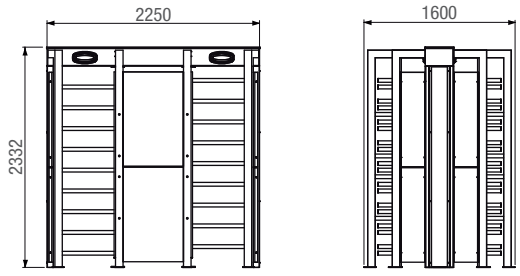
00101PSHPS001A - 01PSHPS001O - 3PSGS3



001PSGD3



001PSGS4



001PSGD4

Technical features

Type	PSHPS01A - PSHPS01O	PSGS3 - PSGS4	PSGD3 - PSGD4
Power supply (V)	-	230 AC	230 AC
Operating power (V)	-	24 DC	24 DC
Current draw (A)	-	2.5	5
Weight (Kg)	400	400	650
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131	-20 ~ +55 / -4 ~ +131

● 230 V AC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)	
	High-security mechanical turnstiles		
001**PSHPS01A**	Mechanical full-height mono-directional and counter-clockwise turnstile with hydraulic damper. Galvanized and painted steel body (RAL7035).	£6,150.00	
001**PSHPS01O**	Mechanical full-height mono-directional and clockwise turnstile with hydraulic damper. Galvanized and painted steel body (RAL7035).	£6,150.00	
	High-security electromechanical turnstiles		
001**PSGS3**	Electromechanical full-height bi-directional single turnstile with **three 120° sectors**, control board and hydraulic damper. Bi-directional high-intensity LED traffic light, with multifunction display and courtesy light, fitted to take transponder sensor. Galvanized and painted steel body (RAL7035).	£6,650.00	
001**PSGD3**	Electromechanical full-height bi-directional double turnstile with **three 120° sectors**, control board and hydraulic damper. Bi-directional high-intensity LED traffic light, with multifunction display and courtesy light, fitted to take transponder sensor. Galvanized and painted steel body (RAL7035).	£10,995.00	
001**PSGS4**	Electromechanical full-height bi-directional single turnstile with **four 90° sectors**, control board and hydraulic damper. Bi-directional high-intensity LED traffic light, with multifunction display and courtesy light, fitted to take transponder sensor. Galvanized and painted steel body (RAL7035).	£7,550.00	
001**PSGD4**	Electromechanical full-height bi-directional double turnstile with **four 90° sectors**, control board and hydraulic damper. Bi-directional high-intensity LED traffic light, with multifunction display and courtesy light, fitted to take transponder sensor. Galvanized and painted steel body (RAL7035).	£14,500.00	
	Customised treatments		
001**PSHPSVP**	Extra charge for customised RAL paint finishes.	£675.00	

NOTE
All high-security turnstiles, upon customer request, can have custom RAL varnish finishes.
(delivery times in this case require an extra 15 days).

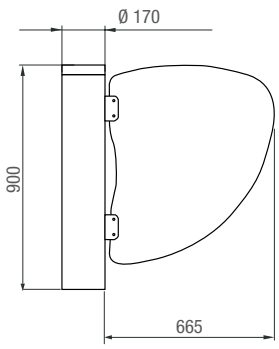
Wing

Motorised swing turnstiles

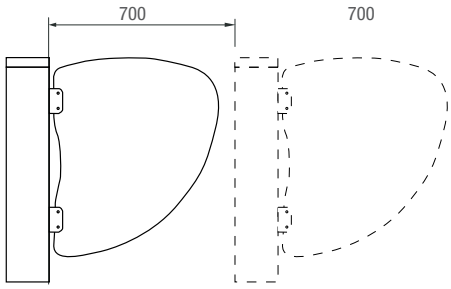
The ideal solution for pedestrian access in commercial premises

- This turnstile stands out thanks to its elegance, quality and silent operation.
- Ideal for installing in settings such as hotels, casinos, company premises, showrooms and leisure centres.
- It is available in a double version (with synchro card) to manage wider passages.
- Can be coupled with modular barriers to complete installations and perfectly integrates with all CAME access control systems.
- Allows for easy disabled access.

Dimensions (mm)



Application (mm)



Technical features

Type	PSEPCSS00 - PSEPCSD00 - PSEPCSS00CT - PSEPCSD00CT
Power supply (V)	230 AC
Operating power (V)	24 DC
Current draw (A)	2.5
Weight (Kg)	40
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131

● 24 V DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	24 V DC motorised swing turnstiles	
001**PSEPCSS00**	Motorised bi-directional single turnstile complete with control board and emergency panic-release system. Plexiglass leaf.	£3,750.00
001**PSEPCSD00**	Motorised bi-directional double turnstile complete with control board and emergency panic-release system. Plexiglass leaves.	£7,550.00
001**PSEPCSS00CT**	Motorised bi-directional single turnstile complete with control board and emergency panic-release system. Tempered glass leaf.	£3,850.00
001**PSEPCSD00CT**	Motorised bi-directional double turnstile complete with control board and emergency panic-release system. Tempered glass leaves.	£7,750.00
	MANDATORY accessories	
001**PSOPAL01**	24 V DC 2.5 A switching power unit complete with IP65 casing for one turnstile.	£115.00
001**PSOPAL06**	24 V DC 6.5 A switching power unit complete with IP65 casing for two turnstiles.	£125.00
	Accessories	
001**PSOPEPCDIS**	Plexiglass leaf. Leaf width: 900 mm / 35.43”.	£120.00
001**PSOPEPCDISCT**	Tempered glass leaf. Leaf width: 900 mm / 35.43”.	£300.00
001**PSCSCR04**	Console for remotely controlling up to 4 access-ways.	£350.00

NOTE
001PSOPAL01 - 001PSOPAL06 IT IS MANDATORY the use of the feeder with the turnstiles.

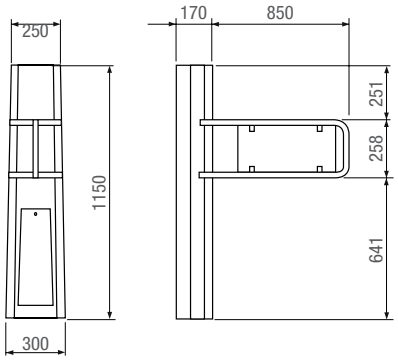
Saloon

Motorised swing turnstiles

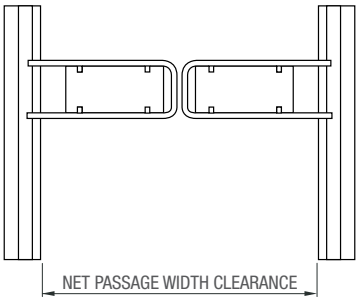
The ideal solution for interior access control

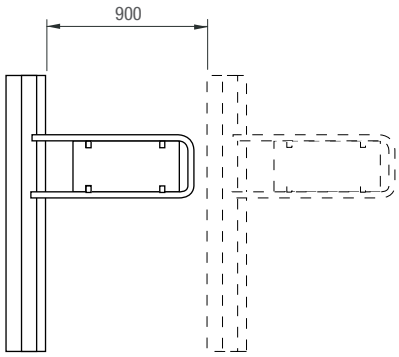
- This turnstile stands out thanks to its elegance, quality and silent operation.
- Perfect for use inside factories, cafeterias, shopping centres, supermarkets, service stations and leisure centres.
- It is available in a double version to manage wider passages.
- Can be coupled with modular barriers to complete installations and perfectly integrates with all CAME access control systems.
- Allows for easy disabled access.
- RAL 7035 enamel finish.

Dimensions (mm)



Application (mm)





Technical features

Type	PSEP0S00 - PSEPSS00
Power supply (V)	230 AC
Operating power (V)	24 DC
Current draw (A)	2.5
Weight (Kg)	40
Operating temperature (°C/°F)	-20 ~ +55 / -4 ~ +131

● 24 V DC

The complete range

CAME

Code	Description	Price £ (Excl. VAT)
	24 V DC motorised swing turnstiles	
001**PSEP0S00**	Motorised bi-directional swing turnstile made of galvanised steel with RAL 7035 varnish finish complete with control board and emergency panic-release system. Leaf width L = 850 mm / 33.46”.	£1,950.00
001**PSEPSS00**	Motorised bi-directional swing turnstile made of AISI 304 steel complete with control board and emergency panic-release system. Leaf width L = 850 mm / 33.46”.	£2,650.00
	MANDATORY accessories	
001**PSOPAL01**	24 V DC 2.5 A switching power unit complete with IP65 casing for one turnstile.	£115.00
001**PSOPAL06**	24 V DC 6.5 A switching power unit complete with IP65 casing for two turnstiles.	£125.00
001**PSMCECH**	Synchro card for double passage openings.	£50.00
	Accessories	
001**PSOPSF01**	Bi-directional traffic light with high-intensity LED.	£275.00
001**PSEPTRF**	Barrier composed of: - 1 x vertical element with built-in photocell, made of AISI 304 steel, fastening flange in galvanised steel and flange cover in chromed plastic - 2 x horizontal elements measuring L = 1,000 mm / 39.37” - 4 x chromed plastic sleeves.	£595.00
001**PSEPTRFX**	Barrier composed of: - 1 x vertical element, AISI 304 steel fastening flange and flange cover, with built-in photocell. - 2 x horizontal elements measuring L = 1,000 mm / 39.37” - 4 x AISI 304 steel sleeves with glossy finish.	£645.00
001**PSCSCR04**	Consolle for remotely controlling up to 4 access-ways.	£350.00
	Customised treatments	
001**PSMLANT**	Extra charge for changing width of leaf (MIN = 500 mm / 19.68” - MAX = 1,000 mm / 39.37”).	£115.00






NOTE
001PSMLANT Specify the custom width of the leaf (MIN = 500 mm - MAX = 1,000 mm).
001PSMCECH For synchronized opening of double access-ways it is necessary to order one synchronization card for each turnstile.

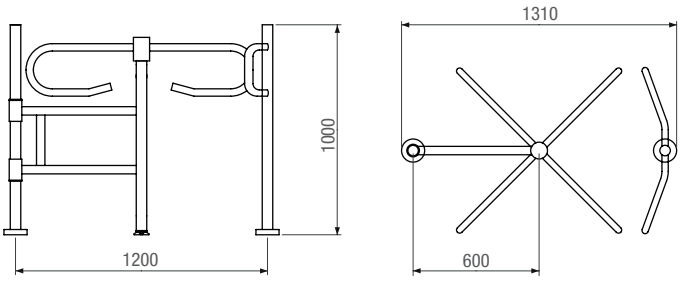
Compass

Revolving mechanical turnstiles

The ideal solution for pedestrian access control

- A simple, cost effective solution for managing pedestrian access flow.
- Available with either clockwise or anticlockwise openings, and also bi-directional.
- Can be coupled with modular barriers to complete installations.

Dimensions (mm)



Technical features

Type	PSSPCWO - PSSPCCW - PSSPFMCWO - PSSPFMCCW
Weight (Kg)	18

The complete range

Code	Description	Price £ (Excl. VAT)
	Mechanical turnstiles	
001**PSSPCWO**	Removable mechanical turnstile with right-hand post for fastening to floors. H = 1,000 mm / 39.37”.	**£1,095.00**
001**PSSPCCW**	Removable mechanical turnstile with left-hand post for fastening to floors. H = 1,000 mm / 39.37”.	**£1,095.00**
001**PSSPFMCWO**	Fixed mechanical turnstile with right-hand post for fastening to walls. H = 1,000 mm / 39.37”.	**£995.00**
001**PSSPFMCCW**	Fixed mechanical turnstile with left-hand post for fastening to walls. H = 1,000 mm / 39.37”.	**£995.00**
	Accessories	
001**PSOPG01**	Channeler complete with galvanized metal flange riser, plastic flange cover and AISI 304 stainless steel post with arc H = 1,000 mm / 39.37”.	**£210.00**
001**PSOPG01X**	Channeler complete with AISI 304 stainless steel flange riser, flange cover and post with arc H = 1,000 mm / 39.37”.	**£235.00**

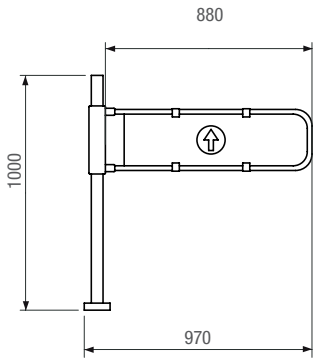
Flag

Mechanical swing turnstiles

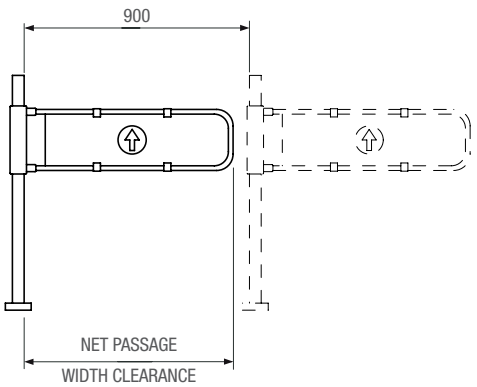
The ideal spring-return solution for pedestrian access control

- The mechanical push-to-open turnstile.
- A ready-to-use solution for managing pedestrian flow.
- Useful when needing to control pedestrian access for safety and hygenic reasons.
- Now available with lock.

Dimensions (mm)



Application (mm)



Technical features

Type	PSBPCWO - PSBPCCW - PSBPOO - PSBPCWOA - PSBPCCWA - PSBPOOA
Weight (Kg)	10

The complete range

Code	Description	Price £ (Excl. VAT)
	Mechanical turnstiles	
001**PSBPCWO**	Mechanical swing turnstile with right-hand post. H = 1,000 mm / 39.37” L = 900 mm / 35.43”.	£625.00
001**PSBPCCW**	Mechanical swing turnstile with left-hand post. H = 1,000 mm / 39.37” L = 900 mm / 35.43”.	£625.00
001**PSBPOO**	Bi-directional mechanical swing turnstile. H = 1,000 mm / 39.37” L = 900 mm / 35.43”.	£625.00
001**PSBPCWOA**	Mechanical swing turnstile with right-hand post, lock and key. H = 1,000 mm / 39.37” L = 900 mm / 35.43”.	£475.00
001**PSBPCCWA**	Mechanical swing turnstile with left-hand post, lock and key. H = 1,000 mm / 39.37” L = 900 mm / 35.43”.	£475.00
001**PSBPOOA**	Bi-directional mechanical swing turnstile with lock and key. H = 1,000 mm / 39.37” L = 900 mm / 35.43”.	£475.00
	Accessories	
001**PSOPG01**	Channeler complete with galvanized metal flange riser, plastic flange cover and AISI 304 stainless steel post with arc H = 1,000 mm / 39.37”.	£210.00
001**PSOPG01X**	Channeler complete with AISI 304 stainless steel flange riser, flange cover and post with arc H = 1,000 mm / 39.37”.	£235.00
	Customised treatments	
001**PSMLANT**	Extra charge for changing width of leaf (MIN = 500 mm / 19.68” - MAX = 900 mm / 35.43”).	£115.00

NOTE
001PSMLANT Specify the custom width of the leaf (MIN = 500 mm - MAX = 900 mm).

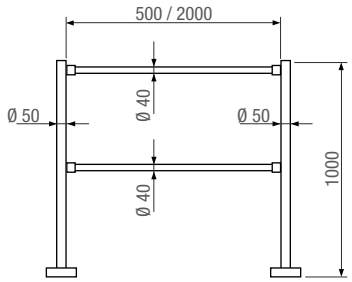
Accessories

Modular barriers

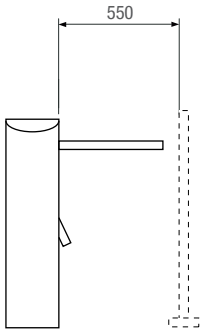
The modular range for pedestrian barriers

- Exitpass modular barriers
- Perfectly compliments turnstile installations.
- Available with emergency panic-release bar.

Dimensions (mm)



Application (mm)



The complete range

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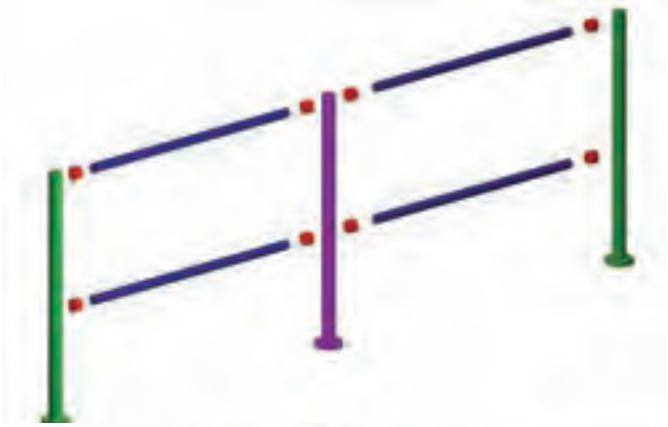
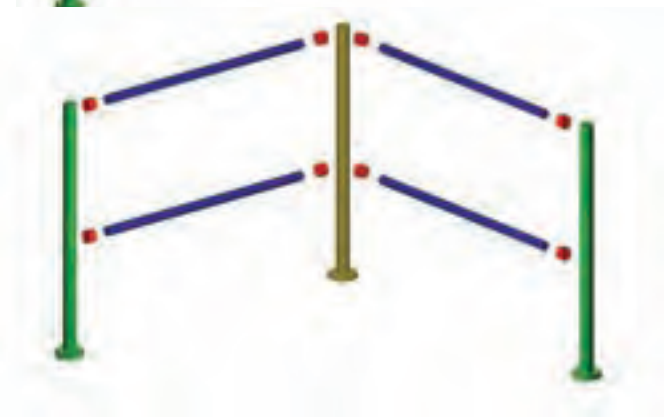
Code	Description	Price £ (Excl. VAT)
	Vertical elements for assembled barriers	
001**PSTRV**	Post made of galvanised steel with fastening flange and chromed plastic flange cover. Without holes. H = 1,000 mm / 39.37”.	£75.00
001**PSTRV2F**	Post made of galvanised steel with fastening flange and chromed plastic flange cover. With 2 holes H = 1,000 mm / 39.37”.	£75.00
001**PSTRV4F90**	Post made of galvanised steel with fastening flange and chromed plastic flange cover. With 2 + 2 90° holes H = 1,000 mm / 39.37”.	£78.00
001**PSTRV4F180**	Post made of galvanised steel with fastening flange and chromed plastic flange cover. With 2 + 2 180° holes H = 1,000 mm / 39.37”	£75.00
001**PSTRV6F**	Post made of galvanised steel with fastening flange and chromed plastic flange cover. With 6 holes H = 1,000 mm / 39.37”.	£78.00
001**PSTRV8F**	Post made of galvanised steel with fastening flange and chromed plastic flange cover. With 8 holes H = 1,000 mm / 39.37”.	£75.00
001**PSTRVX**	AISI 304 steel post with fastening flange and flange cover. Without holes H = 1,000 mm / 39.37”.	£115.00
001**PSTRVX2F**	AISI 304 steel post with fastening flange and flange cover. With 2 holes H = 1,000 mm / 39.37”.	£115.00
001**PSTRVX4F90**	AISI 304 steel post with fastening flange and flange cover. With 2 + 2 90° holes H = 1,000 mm / 39.37”.	£115.00
001**PSTRVX4F180**	AISI 304 riser with fastening flange and steel flange cover. With 2 + 2 180° holes H = 1,000 mm / 39.37”.	£115.00
001**PSTRVX6F**	AISI 304 riser with fastening flange and steel flange cover. With 6 holes H = 1,000 mm / 39.37”.	£115.00
001**PSRVX8F**	AISI 304 riser with fastening flange and steel flange cover. With 8 holes H = 1,000 mm.	£115.00

The complete range

Code	Description	Price £ (Excl. VAT)
	Horizontal elements for assembled barriers and sleeves	
001**PSTRT050**	Horizontal tube for AISI 304 steel barrier Ø 40 mm / 1.57” wide. L = 500 mm / 19.68”.	£10.00
001**PSTRT100**	Horizontal tube for AISI 304 steel barrierØ 40 mm / 1.57” wide. L = 1,000 mm / 39.37”.	£20.00
001**PSTRT150**	Horizontal tube for AISI 304 steel barrier Ø 40 mm / 1.57” wide. L = 1,500 mm / 59.08”.	£30.00
001**PSTRT200**	Horizontal tube for AISI 304 steel barrier Ø 40 mm / 1.57” wide. L = 2,000 mm / 78.74”.	£40.00
001**PSTRM001**	Pack of two coupling sleeves made of chromed plastic complete with fastening screws.	£6.00
001**PSTRM003**	Pack of two coupling sleeves made of AISI 304 steel complete with fastening screws.	£40.00
001**PSTRM004**	Pack of two wall fastening sleeves made of AISI 304 steel complete with screws.	£30.00



- 001**PSTRM001** - 001**PSTRM003** - 001**PSTRM004**
- 001**PSTRV2F** - 001**PSTRVX2F**
- 001**PSTRV4F180** - 001**PSTRVX4F180**
- 001**PSTRT050** - 001**PSTRT100** - 001**PSTRT150** - 001**PSTRT200**



- 001**PSTRM001** - 001**PSTRM003**
- 001**PSTRV2F** - 001**PSTRVX2F**
- 001**PSTRV4F090** - 001**PSTRVX4F090**
- 001**PSTRT50** - 001**PSTRT100** - 001**PSTRT150** - 001**PSTRT200**

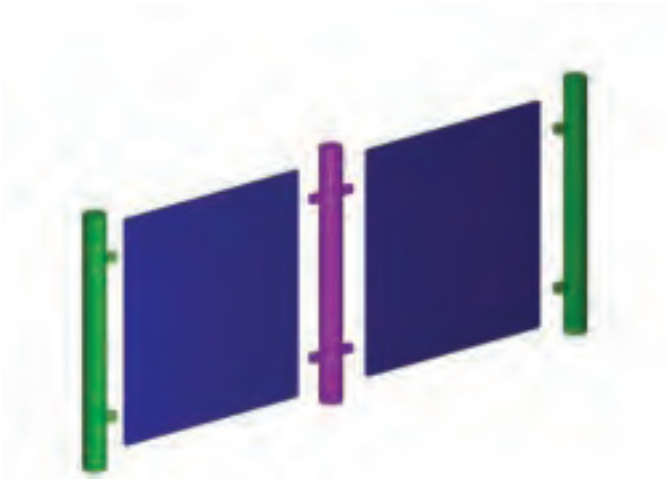
The complete range

Code	Description	Price £ (Excl. VAT)
	Horizontal elements for shopping cart barrier	
001**PSTPC100**	Monodirectional barrier for shopping cart passage with 2 arcs. L = 1,000 mm / 39.37” H = 1,000 mm / 39.37”.	£110.00
001**PSTPC150**	Monodirectional barrier for shopping cart passage with 3 arcs. L = 1,500 mm / 59.08” H = 1,000 mm / 39.37”.	£160.00
001**PSTPC200**	Monodirectional barrier for shopping cart passage with 4 arcs. L = 2,000 mm / 78.74” H = 1,000 mm / 39.37”.	£210.00
	TOP barriers	
001**PSTRFPA**	Barrier for floor fastening or ramp-mounting made of AISI 304 steel plate and polycarbonate panel. Panel thickness 6 mm / 0.23” H = 900 mm / 35.43”.	£765.00
001**PSTRFPAN**	Barrier for floor fastening or ramp-mounting made of AISI 304 steel plate without panel. H = 900 mm / 35.43”.	£295.00
	EXITPASS barriers	
001**PSUS120D**	Barrier made of AISI 304 steel with right-hand post and emergency panic-release bar. L = 1,200 mm / 47.24 in H = 1,000 mm / 39.37”.	£845.00
001**PSUS120S**	Barrier made of AISI 304 steel with left-hand post and emergency panic-release bar. L = 1,200 mm / 47.24 in H = 1,000 mm / 39.37”.	£845.00
001**PSUS090D**	Barrier made of AISI 304 steel with right-hand post and emergency panic-release bar. L = 900 mm / 35.43” H = 1,000 mm / 39.37”.	£825.00
001**PSUS090S**	Barrier made of AISI 304 steel with left-hand post and emergency panic-release bar. L = 900 mm / 35.43” H = 1,000 mm / 39.37”.	£825.00
001**PSUS060D**	Barrier made of AISI 304 steel with right-hand post and emergency panic-release bar. L = 600 mm / 23.62 in H = 1,000 mm / 39.37”.	£795.00
001**PSUS060S**	Barrier made of AISI 304 steel with left-hand post and emergency panic-release bar. L = 600 mm / 23.62 in H = 1,000 mm / 39.37”.	£795.00

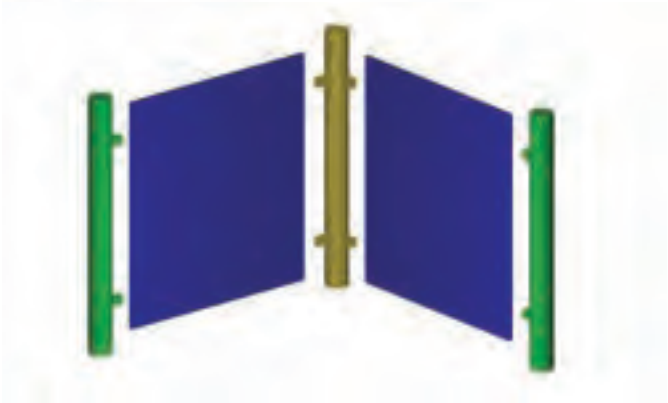
The complete range

Code	Description	Price £ (Excl. VAT)
	SMART barriers	
001**PSTRV80**	AISI 304 steel post without clamps. H = 900 mm / 35.43” Ø 80 mm / 3.14”.	£210.00
001**PSTRV802F**	AISI 304 steel post with 2 clamps. H = 900 mm / 35.43” Ø 80 mm / 3.14”.	£245.00
001**PSTRV804F090**	AISI 304 steel post with 2 + 2 90° clamps. H = 900 mm / 35.43” Ø 80 mm / 3.14”.	£285.00
001**PSTRV804F180**	AISI 304 steel post with 2 + 2 180° clamps. H = 900 mm / 35.43” Ø 80 mm / 3.14”.	£285.00
001**PSTRV806F**	AISI 304 steel post with 6 clamps. H = 900 mm / 35.43” Ø 80 mm / 3.14”.	£325.00
001**PSTRV808F**	AISI 304 steel post with 8 clamps. H = 900 mm / 35.43” Ø 80 mm / 3.14”.	£365.00
001**PSTRSFPL60875**	Transparent polycarbonate panel 6 mm thick, dimensions L = 750 mm / 29.52” H = 800 mm / 31.49”.	£155.00
	Customised treatments	
001**PSMTP**	Extra charge for changing width of polycarbonate panel.	£40.00

NOTE
001PSMTP Specify the custom width of the panel which cannot be greater than 750 mm/ 29.52” (standard dimension).



- 001**PSTRV802F**
- 001**PSTRV804F180**
- 001**PSTRSFPL60875**



- 001**PSTRV802F**
- 001**PSTRV804F090**
- 001**PSTRSFPL60875**

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