

Automatic road barriers GARD PX Brushless

FA01610-EN



**GPX40MGP
GPX40MXP**

GPX40MGS

**GPX40MGC
GPX40MCP**

INSTALLATION MANUAL

EN English

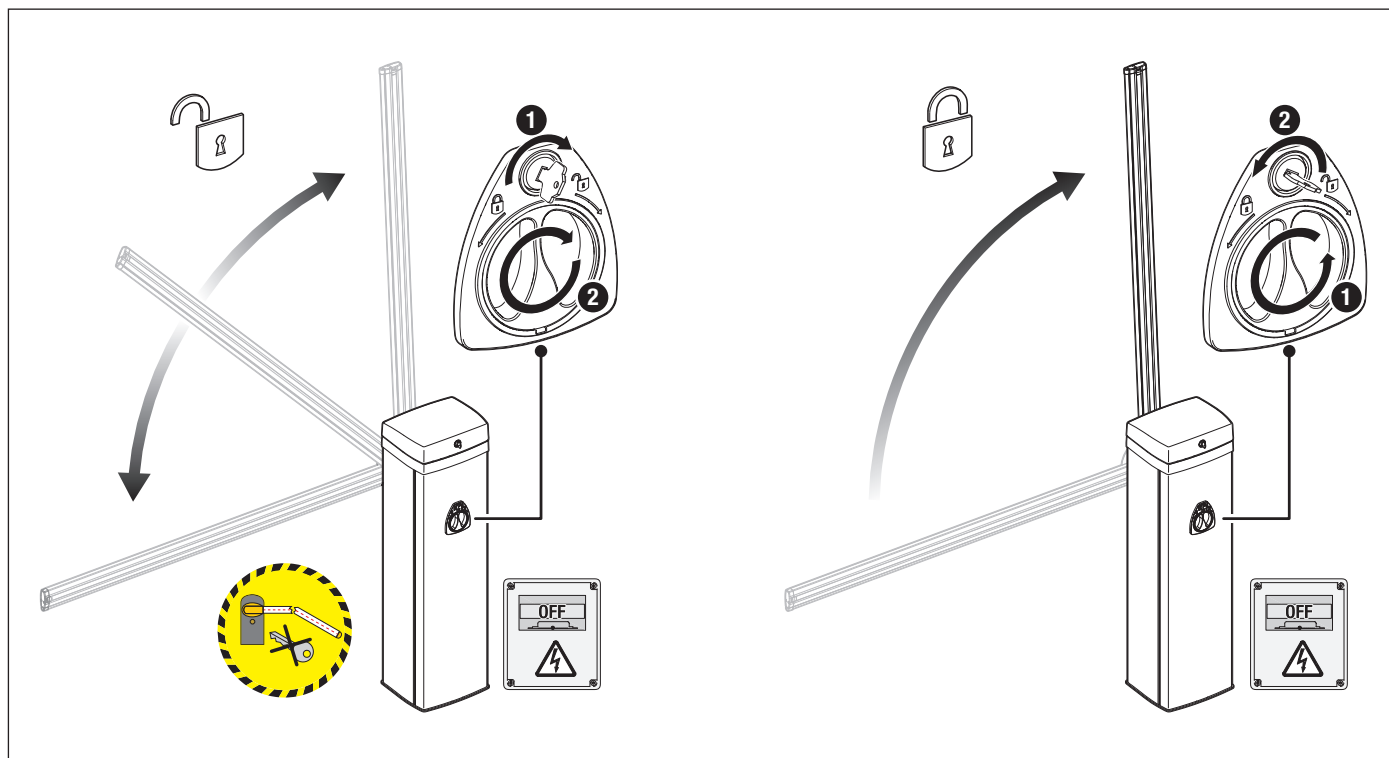


DEVICE MANUAL RELEASE

⚠ Releasing the device may be dangerous for the user, if the boom fastening has been damaged or if the boom is no longer intact, as the result of an accident or installation error.

In these cases, the tensioned springs no longer guarantee that the boom is balanced. The boom may suddenly rotate when being released.

📖 With the gearmotor released, the operator does not work.



△ Important safety instructions.

△ Please follow all of these instructions. Improper installation may cause serious bodily harm.


△ Before continuing, please also read the general precautions for users.

Only use this product for its intended purpose. Any other use is hazardous. • The manufacturer cannot be held liable for any damage caused by improper, unreasonable or erroneous use. • This product is defined by the Machinery Directive (2006/42/EC) as partly completed machinery. • Partly completed machinery means an assembly which is almost machinery but which cannot in itself perform a specific application. • Partly completed machinery is only intended to be incorporated into or assembled with other machinery or other partly completed machinery or equipment thereby forming machinery to which the Machinery Directive (2006/42/EC) applies. • The final installation must comply with the Machinery Directive (2006/42/EC) and the European reference standards in force. • The manufacturer declines any liability for using non-original products, which would also void the warranty. • All operations indicated in this manual must be carried out exclusively by skilled and qualified personnel and in full compliance with the regulations in force. • The device must be installed, wired, connected and tested according to good professional practice, in compliance with the standards and laws in force. • Make sure the mains power supply is disconnected during all installation procedures. • Check that the temperature ranges given are suitable for the installation site. • Make sure that opening the automatic barrier does not constitute a hazard. • Do not install on slopes i.e. any surfaces that are not perfectly level. • Do not install the operator on surfaces that could yield and bend. If necessary, add suitable reinforcements to the anchoring points. • Make sure that no direct jets of water can wet the product at the installation site (sprinklers, water cleaners, etc.). • Make sure you have set up a suitable dual-pole cut-off device along the power supply that is compliant with the installation rules. It should completely cut off the power supply according to category III surcharge conditions. • Demarcate the entire site properly to prevent unauthorised personnel from entering, especially minors. • In case of manual handling, have one person for every 20 kg that needs hoisting; for non-manual handling, use proper hoisting equipment in safe conditions. • When the operator is being fixed in place, it may be unstable and overturn. Be careful and do not lean on it until it is fully fastened in place. • Use suitable protection to prevent any mechanical hazards due to persons loitering within the operating range of the operator. • The electrical cables must pass through special pipes, ducts and cable glands in order to guarantee adequate protection against mechanical damage. • Make sure that the moving mechanical parts are suitably far away from the wiring. • The electrical cables must not touch any parts that may overheat during use (such as the motor and transformer). • All fixed controls must be clearly visible after installation, in a position that allows the guided part to be directly visible, but far away from moving parts. In the case of a hold-to-run control, this must be installed at a minimum height of 1.5 m from the ground and must not be accessible to the public. • If the passage is wider than 3 m, you must use a fixed support for the boom. • If not already present, apply a permanent tag that describes how to use the manual release mechanism close to it. • Make sure that the operator has been properly adjusted and that the safety and protection devices and the manual release are working properly. • Before handing over to the final user, check that the system complies with the harmonised standards and the essential requirements of the Machinery Directive (2006/42/EC). • Any residual risks must be indicated clearly with proper signage affixed in visible areas, and explained to end users. • Put the machine's ID plate in a visible place when the installation is complete. • If the power supply cable is damaged, it must be immediately replaced by the manufacturer or by an authorised technical assistance centre, or in any case, by qualified staff, to prevent any risk. • Keep this manual inside the technical folder along with the manuals of all the other devices used for your automation system. • Make sure to hand over to the end user all the operating manuals of the products that make up the final machinery.


Main points of danger for people



 Risk of trapping hands.

 No transiting.

DISMANTLING AND DISPOSAL

 CAME S.p.A. employs an Environmental Management System at its premises. This system is certified and compliant with the UNI EN ISO 14001 standard to ensure that the environment is respected and safeguarded. Please continue safeguarding the environment. At CAME we consider it one of the fundamentals of our operating and market strategies. Simply follow these brief disposal guidelines:

DISPOSING OF THE PACKAGING

The packaging materials (cardboard, plastic, etc.) can be disposed of easily as solid urban waste, separated for recycling.

Before dismantling and disposing of the product, please always check the local laws in force.

DISPOSE OF THE PRODUCT RESPONSIBLY.

DISPOSING OF THE PRODUCT

Our products are made of various materials. Most of these materials (aluminium, plastic, iron and electrical cables) are classified as solid urban waste. They can be separated for recycling and disposed of at authorised waste treatment plants.

Other components (electronic boards, transmitter batteries, etc.) may contain pollutants.

These must be removed and disposed of by an authorised waste disposal and recycling firm.


It is always advisable to check the specific laws that apply in your area.

DISPOSE OF THE PRODUCT RESPONSIBLY.

PRODUCT DATA AND INFORMATION

Key

 This symbol shows which parts to read carefully.

 This symbol shows which parts describe safety issues.

 This symbol shows what to tell users.

 The measurements, unless otherwise stated, are in millimetres.

Description

803BB-0120

GPX40MGS - Automatic barrier with irreversible gearmotor and brushless motor; painted galvanised steel cabinet.

803BB-0130

GPX40MGC - Automatic barrier with irreversible gearmotor and brushless motor; painted galvanised steel cabinet. Model suitable for areas exposed to high temperatures.

803BB-0100

GPX40MGP - Automatic barrier with irreversible gearmotor and brushless motor; painted galvanised steel cabinet. Supplied complete with: 009SMA and an interface for direct connection to an entrance/exit post for PKE and PKM parking systems.

803BB-0150


GPX40MCP - Automatic barrier with irreversible gearmotor and brushless motor; galvanised steel cabinet painted in a personalised RAL colour. Supplied complete with: 009SMA and an interface for direct connection to an entrance/exit post for PKE and PKM parking systems.

803BB-0340

GPX40MXP - Automatic barrier with irreversible gearmotor and brushless motor; painted AISI 430 steel cabinet. Supplied complete with: 009SMA and an interface for direct connection to an entrance/exit post for PKE and PKM parking systems.

Intended use

The ideal solution for passage ways with heavy transit flows

 Any installation and/or use other than that specified in this manual is forbidden..

Usage limitations

MODELS	GPX40MGS	GPX40MGC	GPX40MGP	GPX40MCP	GPX40MXP
Max. net clearance width (m)	3,8	3,8	3,8	3,8	3,8

Technical data

MODELS	GPX40MGS	GPX40MGC	GPX40MGP	GPX40MCP	GPX40MXP
Power supply (V - 50/60 Hz)	100 AC to 240 AC	100 AC to 240 AC	100 AC to 240 AC	100 AC to 240 AC	100 AC to 240 AC
Motor power supply (V)	36 DC	36 DC	36 DC	36 DC	36 DC
Standby consumption (W)	2,5	2,5	3,3	3,3	3,3
Power (W)	270	270	270	270	270
Operating temperature (°C)	-20 to +55 (-40 with item 803XA-0260)	-20 to +55 (-40 with item 803XA-0260)	-20 to +55 (-40 with item 803XA-0260)	-20 to +55 (-40 with item 803XA-0260)	-20 to +55 (-40 with item 803XA-0260)
Torque (Nm)	100	100	100	100	100
Opening time at 90° (s)	1 ÷ 2	1 ÷ 2	1 ÷ 2	1 ÷ 2	1 ÷ 2
Duty cycle (%)	CONTINUOUS OPERATION	CONTINUOUS OPERATION	CONTINUOUS OPERATION	CONTINUOUS OPERATION	CONTINUOUS OPERATION
Protection rating (IP)	54	54	54	54	54
Insulation class	I	I	I	I	I
Weight (kg)	62	62	62,5	62,5	62,5

Fuse table

MODELS	GPX40MGS	GPX40MGC	GPX40MGP	GPX40MCP	GPX40MXP
Line fuse	3.15 A F	3.15 A F	3.15 A F	3.15 A F	3.15 A F
Accessory fuse	2 A F	2 A F	2 A F	2 A F	2 A F
Cartridge heater fuse	1 A T	-	1 A T	1 A T	1 A T
Fan fuse	-	100 mA F	-	-	-

Description of parts

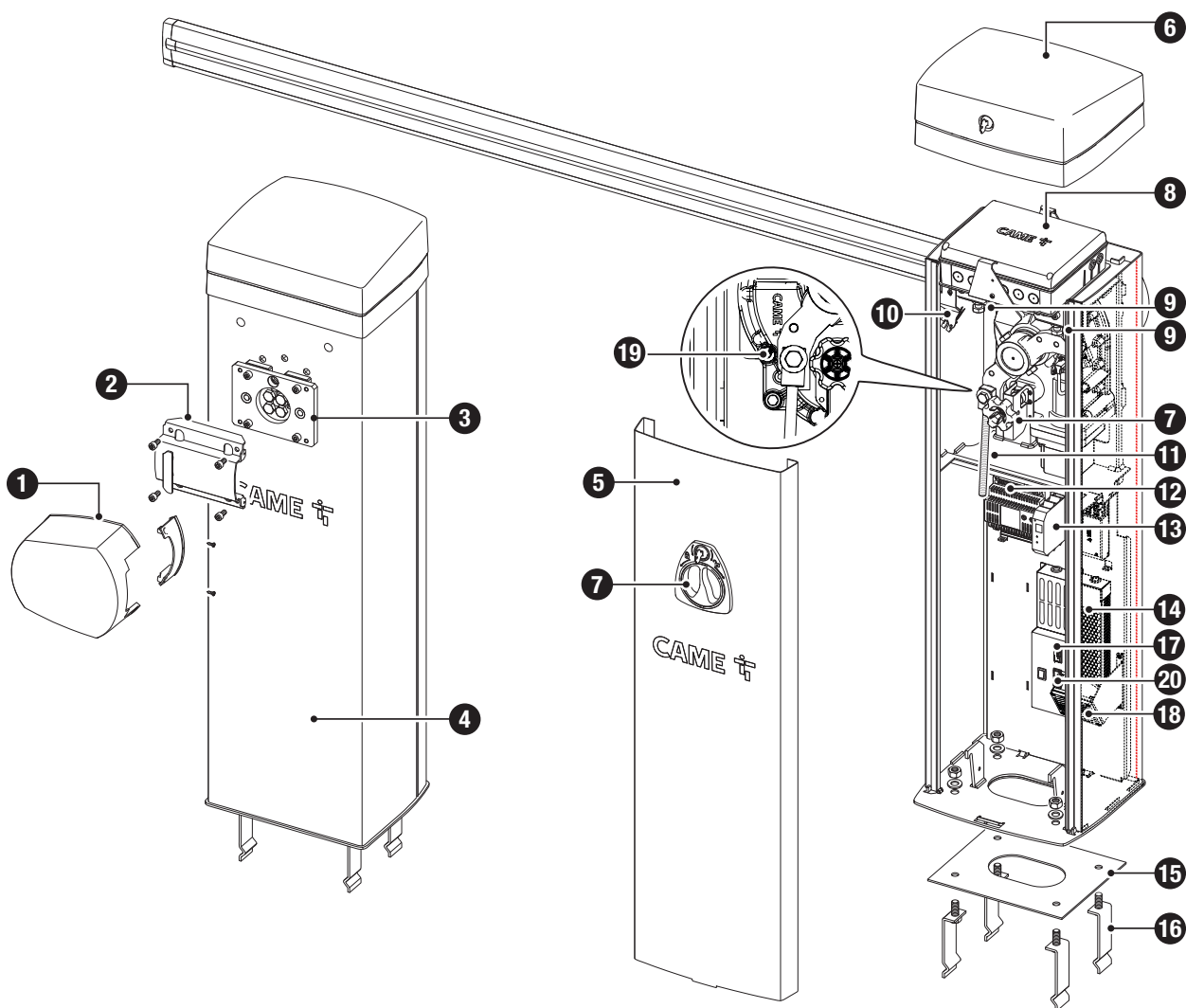
Barrier

- | | |
|---|---|
| <ul style="list-style-type: none"> ❶ Anti-shearing cover ❷ Fastening flange ❸ Boom anchoring plate ❹ Cabinet ❺ Inspection hatch ❻ Cover ❼ Boom release/lock knob ❽ Control panel ❾ Mechanical stop for the boom adjustment ❿ Auxiliary status contacts* | <ul style="list-style-type: none"> ⓫ Spring anchoring pin ⓬ I/O board RS485* ⓭ SMA module* ⓮ Auxiliary ⓯ Anchoring plate ⓰ Anchoring bracket ⓱ Fuse for cartridge heater or fan ⓲ Fan** ⓳ Cartridge heater*** ⓴ Line fuse |
|---|---|

* Only for GPX40MCP, GPX40MGP and GPX40MXP.

** Only for GPX40MGC

*** Only for GPX40MCP, GPX40MGP, GPX40MXP and GPX40MGS.

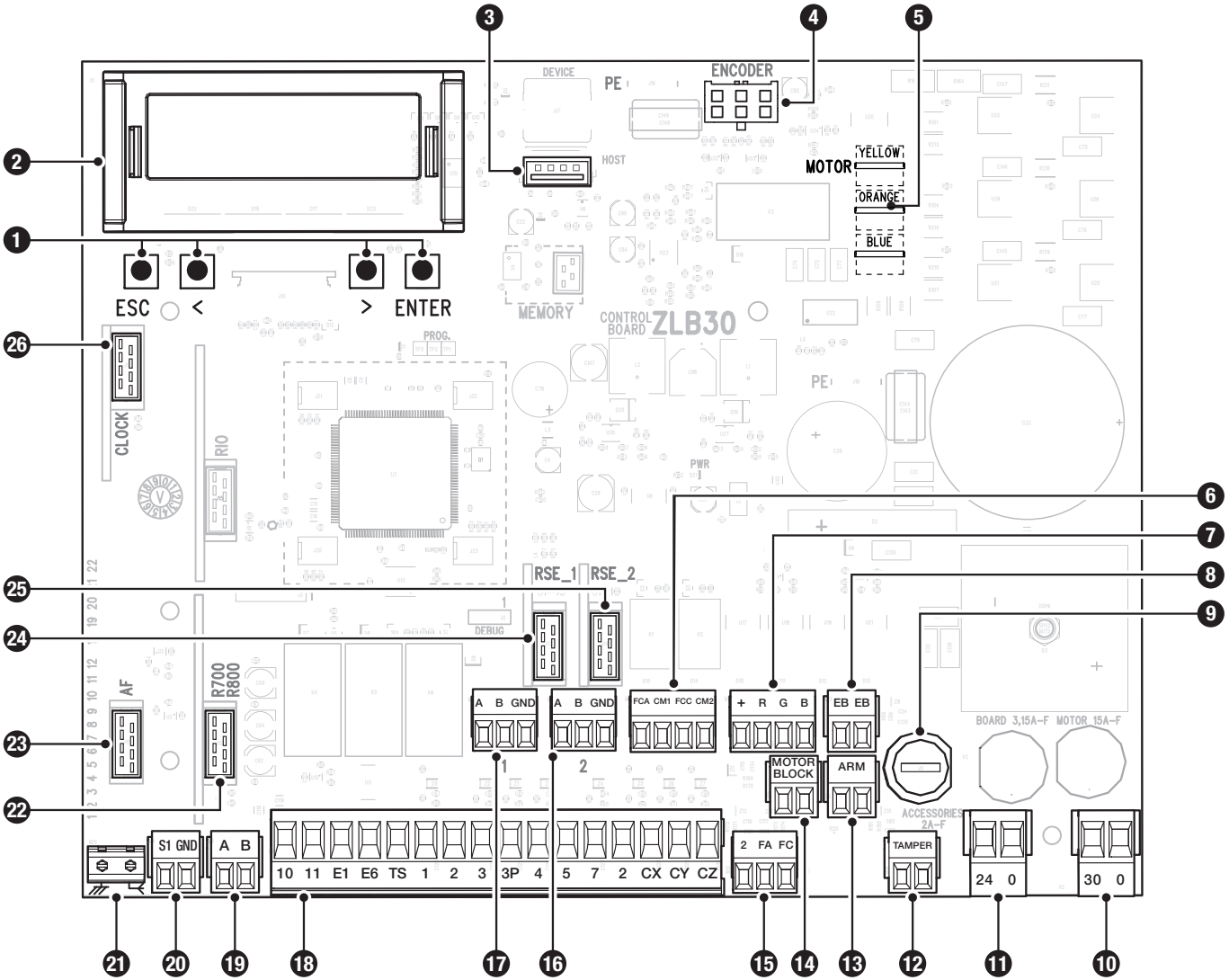


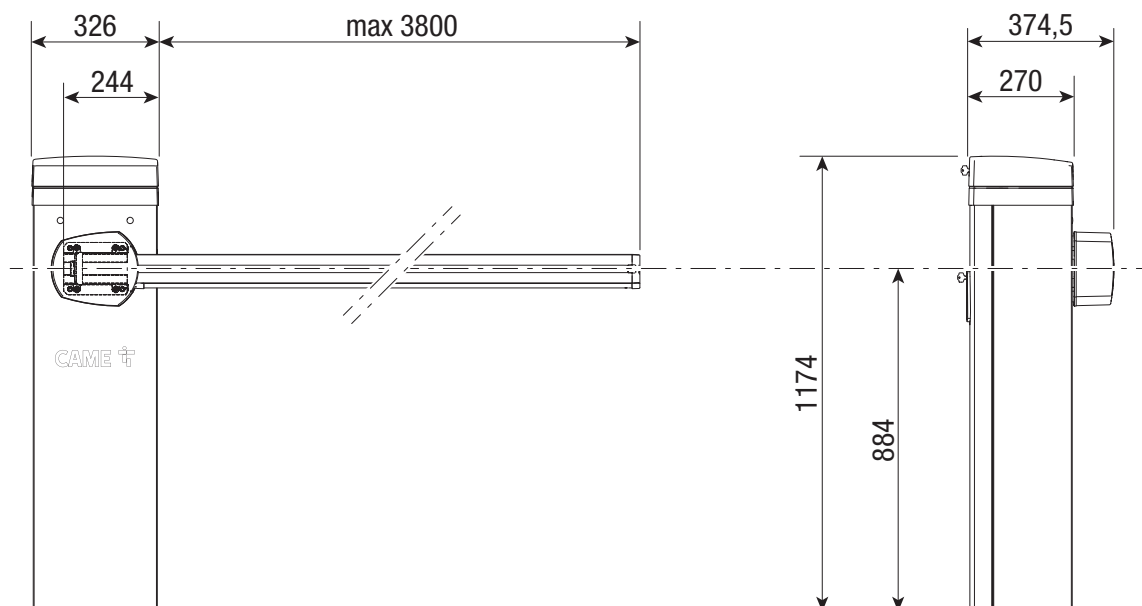
Control board

- 1 Programming buttons
- 2 Display
- 3 USB stick connector
- 4 Encoder connector
- 5 Motor connector
- A p.n. ferrite ECQK922091 is applied to the cable
- 6 Terminal board for barrier status
- 7 Terminal board for connecting the warning LED strip
- 8 Terminal board not used
- 9 Accessories fuse
- 10 Terminal board for motor power supply
- 11 Terminal board for power supply to the control board
- 12 Terminal board for connecting the open cover safety microswitch (NC contact)
- 13 Terminal board for NC contact for boom drop away
- 14 Terminal board for connecting the released gearmotor safety microswitch (NC contact)

- 15 Terminal boards for connecting micro limit switches (NC contact)*
- 16 Terminal board associated with the RSE_2 connector for CRP connection, IO 485 card or Modbus RTU interface
- 17 Terminal board associated with the RSE_1 connector for paired, alternate or CRP connection
- 18 Terminal board for connecting control and safety devices
- 19 Terminal board for connecting the keypad selector
- 20 Terminal board for connecting the transponder selector switch
- 21 Terminal board for connecting the antenna
- 22 Connector for the R700 or R800 decoding card
- 23 Connector for plug-in radio frequency card (AF)
- 24 RSE_1 connector for RSE card
- 25 RSE_2 connector for RSE card
- 26 Connector for the clock card (806SA-0120)

* Only for GPX40MCP, GPX40MGP and GPX40MXP.





Cable types and minimum thicknesses

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

* no. = see product assembly instructions - Warning: the cable cross-section is indicative and varies according to the motor power and cable length.

For installation in an outdoor environment, use cables with properties at least equivalent to those of type H05RN-F (with designation 60245 IEC 57).

For installation in an indoor environment, use cables with properties at least equivalent to those of type H05VV-F (designation to 60227 IEC 53).

If the cable lengths differ from those specified in the table, define the cable cross-sections according to the actual power draw of the connected devices and in line with regulation CEI EN 60204-1.

For multiple, sequential loads along the same line, recalculate the values in the table according to the actual power draw and distances. For information on connecting products not covered in this manual, please see the documentation accompanying the products themselves.

For paired and CRP connection, use a UTP CAT5 cable. Maximum length 1000 metres.


Wind resistance

The table shows the boom wind-load resistance.

Resistance class with reference to the EN 13241 standard.


Type	Boom 2.25 m	Boom 3.05 m	Boom 4.05 m
Resistance class	5	4	3
Wind pressure [Pa]	1200	1000	800
Maximum wind speed [km/h]	144	132	118

INSTALLATION

 The following illustrations are examples only. The space available for fitting the operator and accessories varies depending on the area where it is installed. It is up to the installer to find the most suitable solution.

In case of manual handling, have one person for every 20 kg that needs hoisting; for non-manual handling, use proper hoisting equipment in safe conditions. When the operator is being fixed in place, it may be unstable and overturn. Be careful and do not lean on it until it is fully fastened in place.

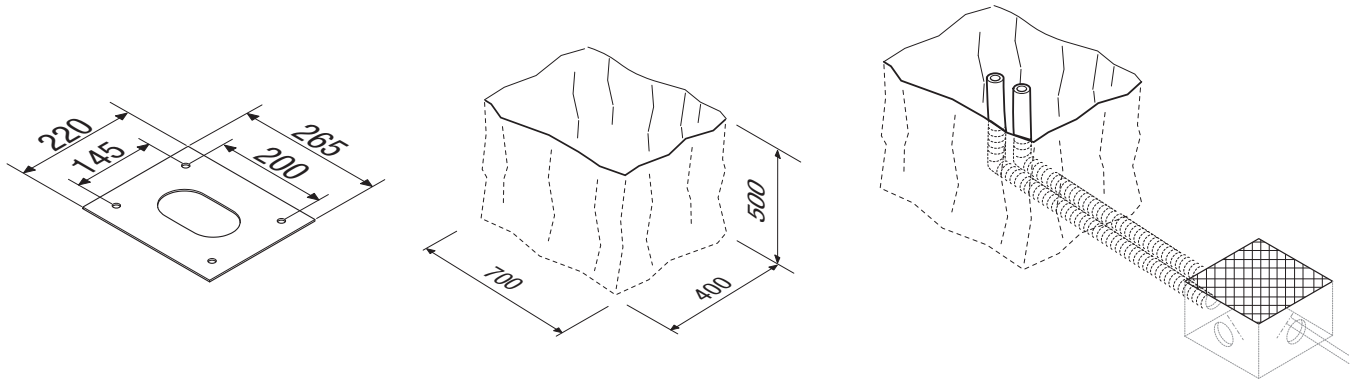
Preliminary operations

 If the flooring does not allow the device to be fastened in a solid and stable way, lay a cement slab.

Dig a hole for the foundation frame.

Set up the corrugated tubes needed for the wiring coming out of the junction pit.

 The number of tubes depends on the type of system and the accessories that are going to be fitted.

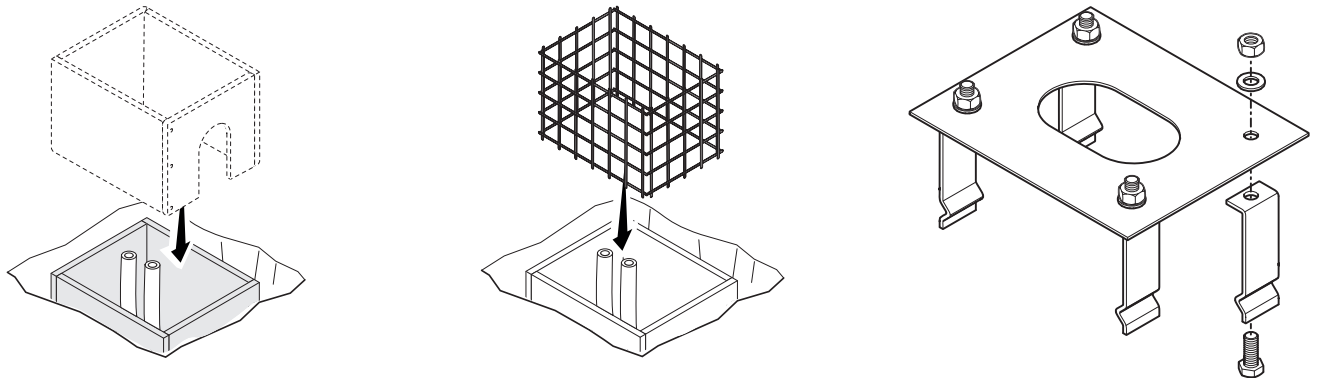


Laying the anchoring plate


Set up a foundation frame that is larger than the anchoring plate.

Fit an iron cage in the foundation frame to reinforce the concrete.

Assemble the anchoring braces to the plate.



Fit the anchoring plate in the iron cage.

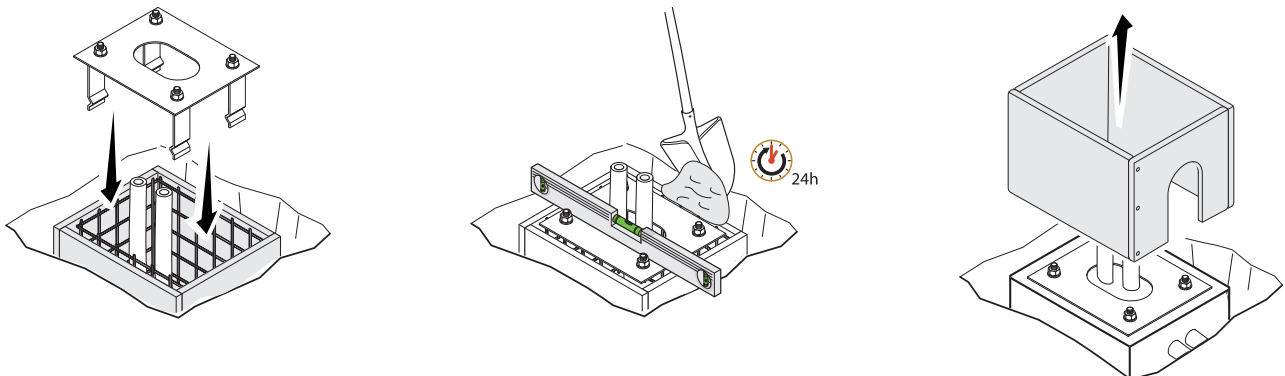
 The tubes must pass through the existing holes.

Cast cement into the foundation frame.

 The plate must be perfectly level and the screw threads completely above surface.

Wait at least 24 hours for the cement to dry.

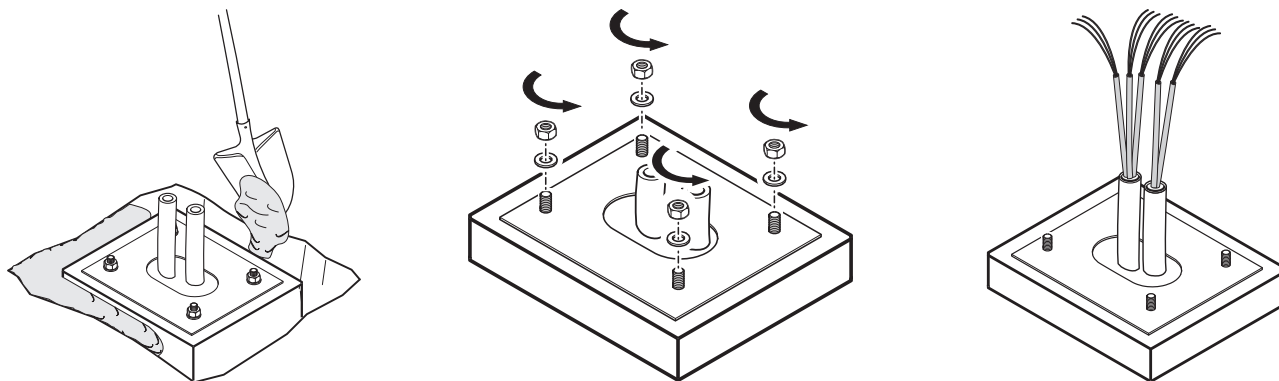
Remove the foundation frame.



Fill the hole with soil around the concrete block.

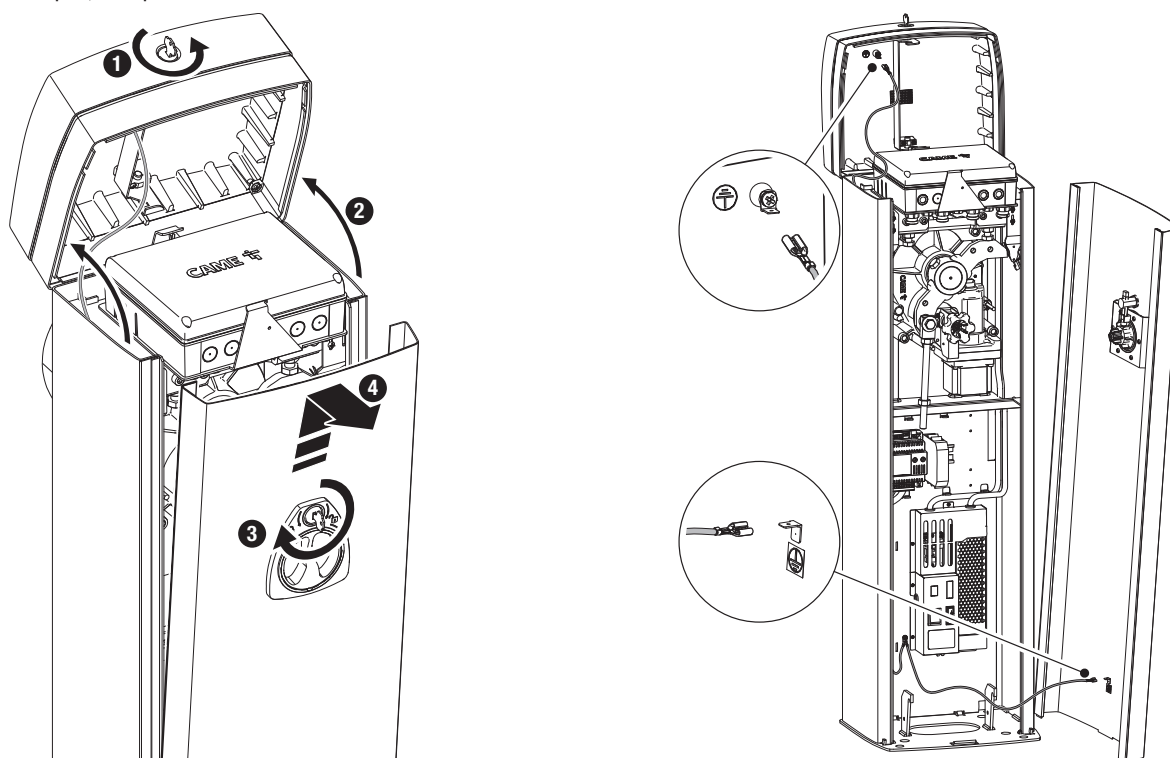
Remove the nuts from the screws.

Thread the electrical cables into the tubes so that they protrude by about 1500 mm.

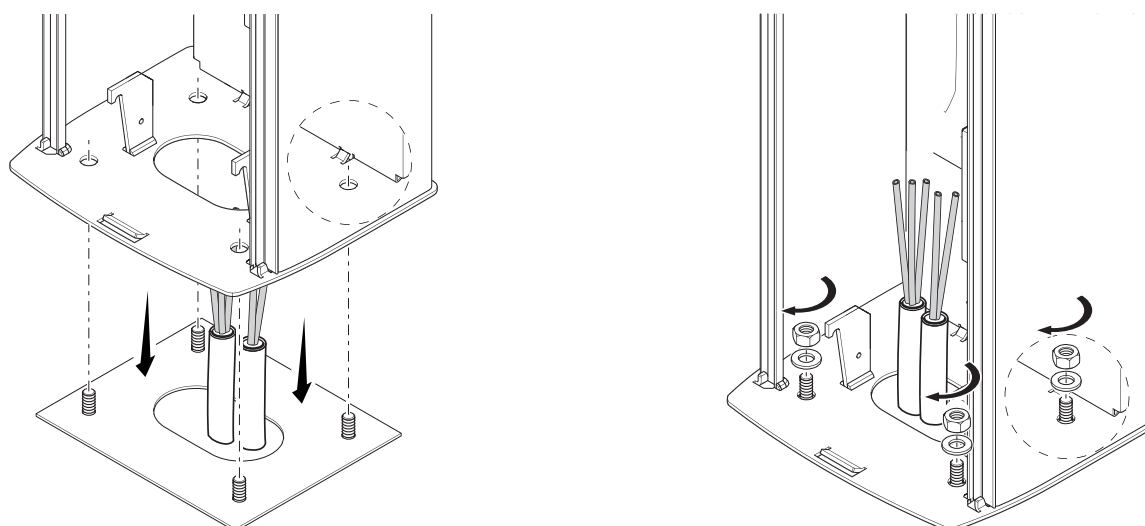


Preparing the barrier

 With the cover open, the operator does not work.



Fastening the barrier



Changing the boom opening direction

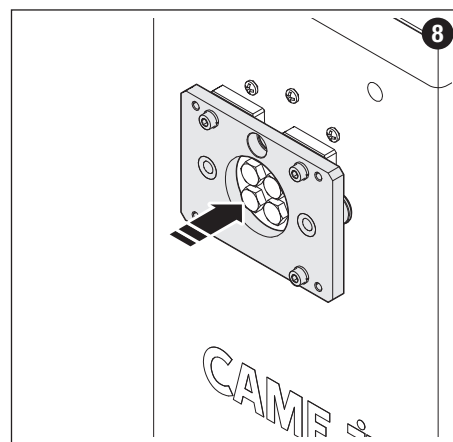
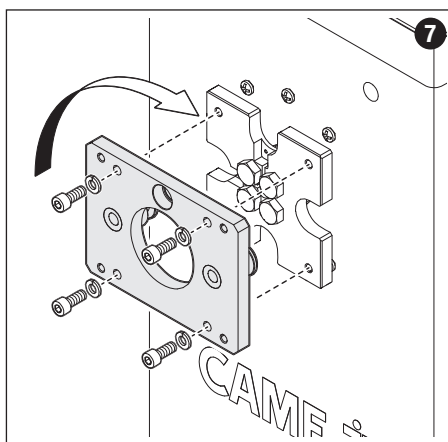
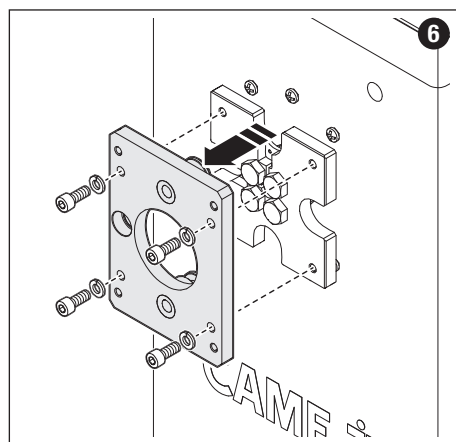
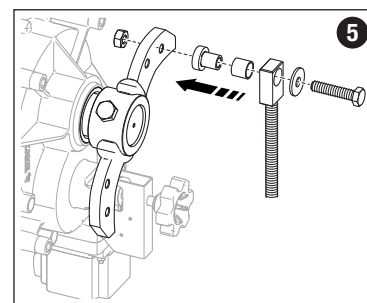
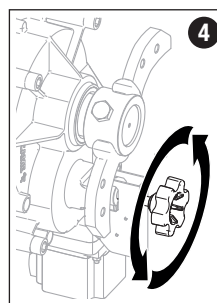
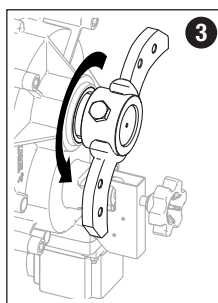
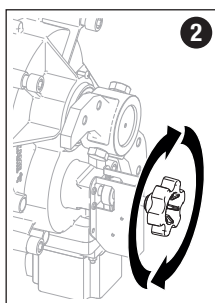
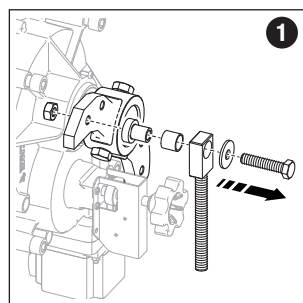
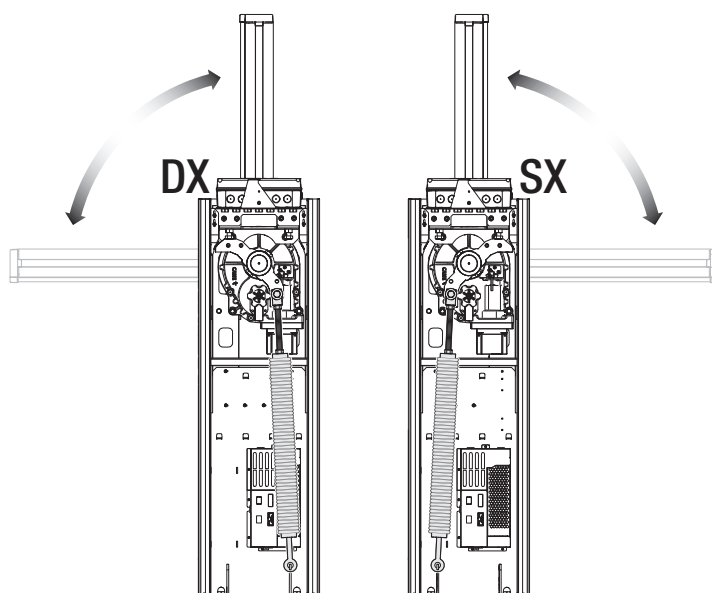
The barrier is set up for installation on the left.

The direction of rotation must be changed without the boom and spring installed.

- ❶ Remove the anchoring pin from the lever arm
- ❷ Release the gearmotor turning the knob clockwise.
- ❸ Turn the lever arm by 90°.
- ❹ Lock the gearmotor turning the knob anticlockwise.
- ❺ Fasten the anchoring pin to the opposite hole on the lever arm.

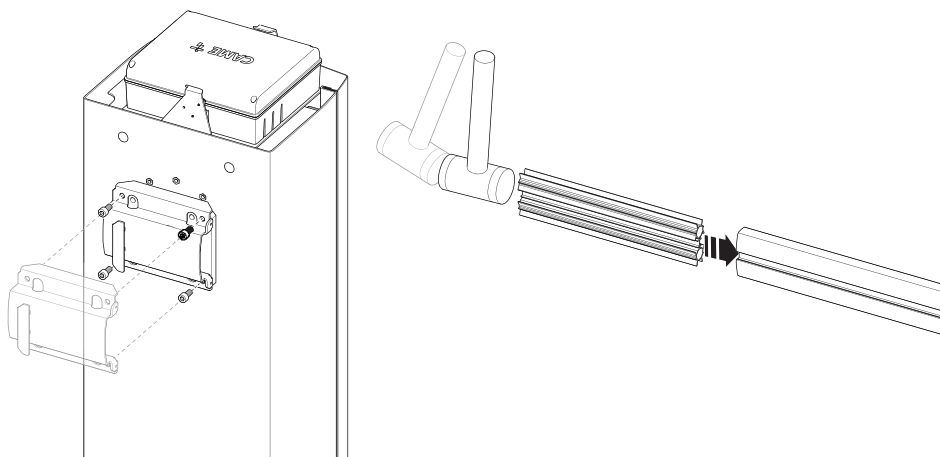
The hole to which fasten the anchor pin also depends on the balance spring chosen according to the boom length. Please see the section [Choosing the balance spring and fastening hole].

- ❻ Removes the boom anchoring plate
- ❼ Turn the boom anchoring plate 90°
- ❽ Fasten the boom anchoring plate to the crankshaft plate

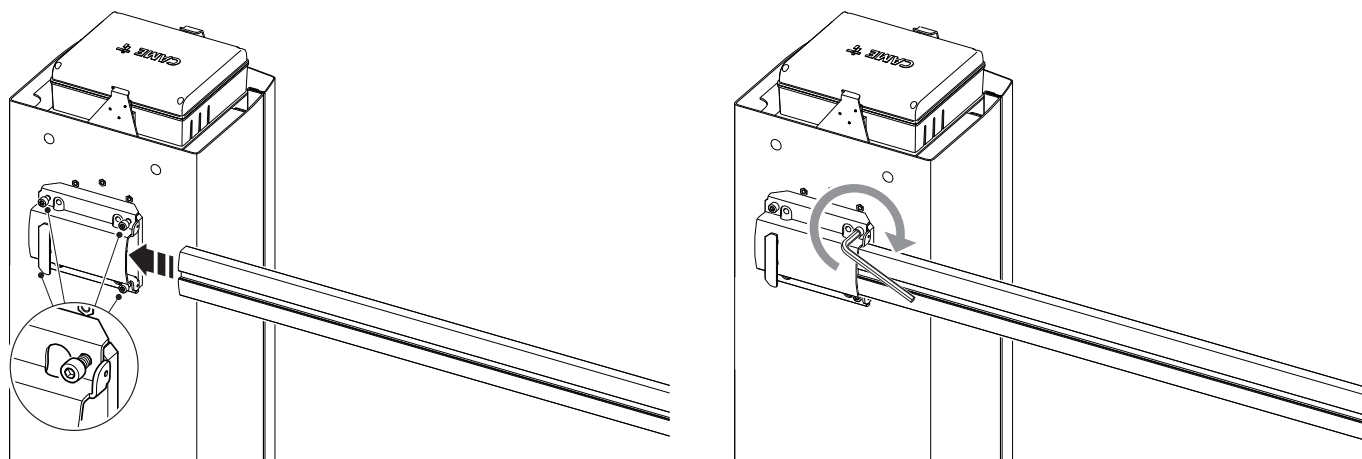


Boom installation

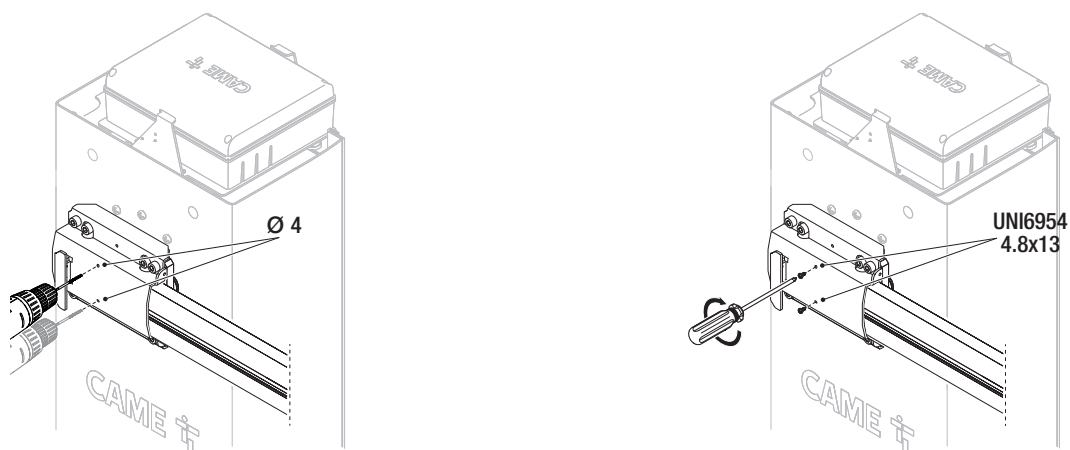
Install the boom-attachment cover on the anchoring plate. Leave the screws slightly loose for easier fitting of the boom later.
Insert the reinforcement inside the boom.



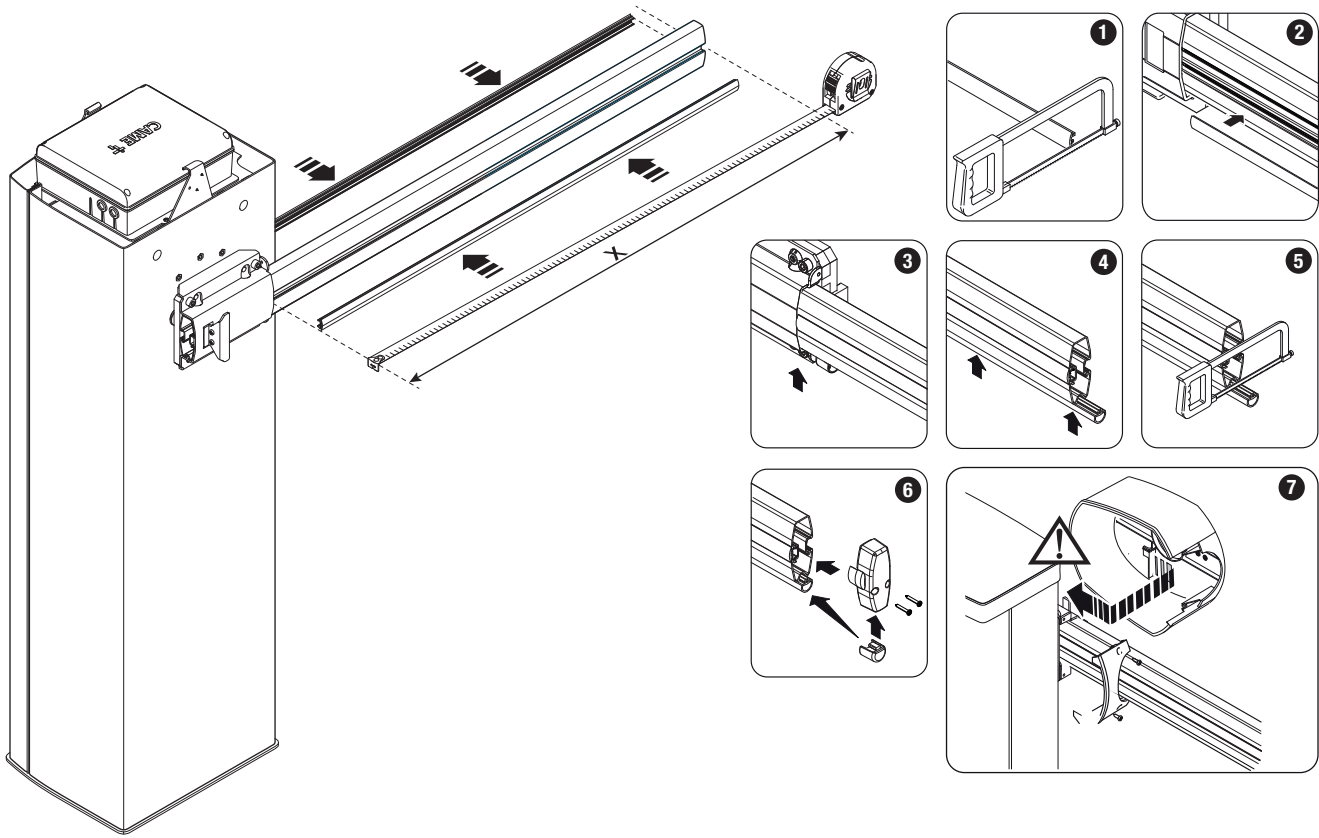
Fit the boom into the fastening flange.
Tighten the screws firmly.



Drill the fastening flange.
Fasten the boom with the screws.



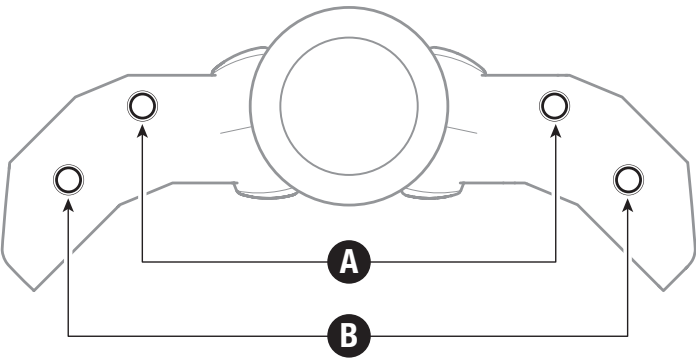
- 1 Cut the slot-cover profiles to the same size as the boom slot minus 10 millimetres.
- 2 Insert the slot-cover profiles into the grooves on both sides of the boom.
- 3 Cut the excess part of the profile, leaving a 7 mm overhang.
- 4 Insert the anti-impact rubber profile into the groove, aligning it with the end cap.
- 5 Fit the rubber end cap in position.
- 6 Insert the rubber profile end cap into the groove in the boom closing cap. Use the screws to fasten the boom end cap.
- 7 Fit the anti-shearing protective cover onto the boom-attachment cover and fasten it using the screws supplied.



Choosing balance spring and fastening hole

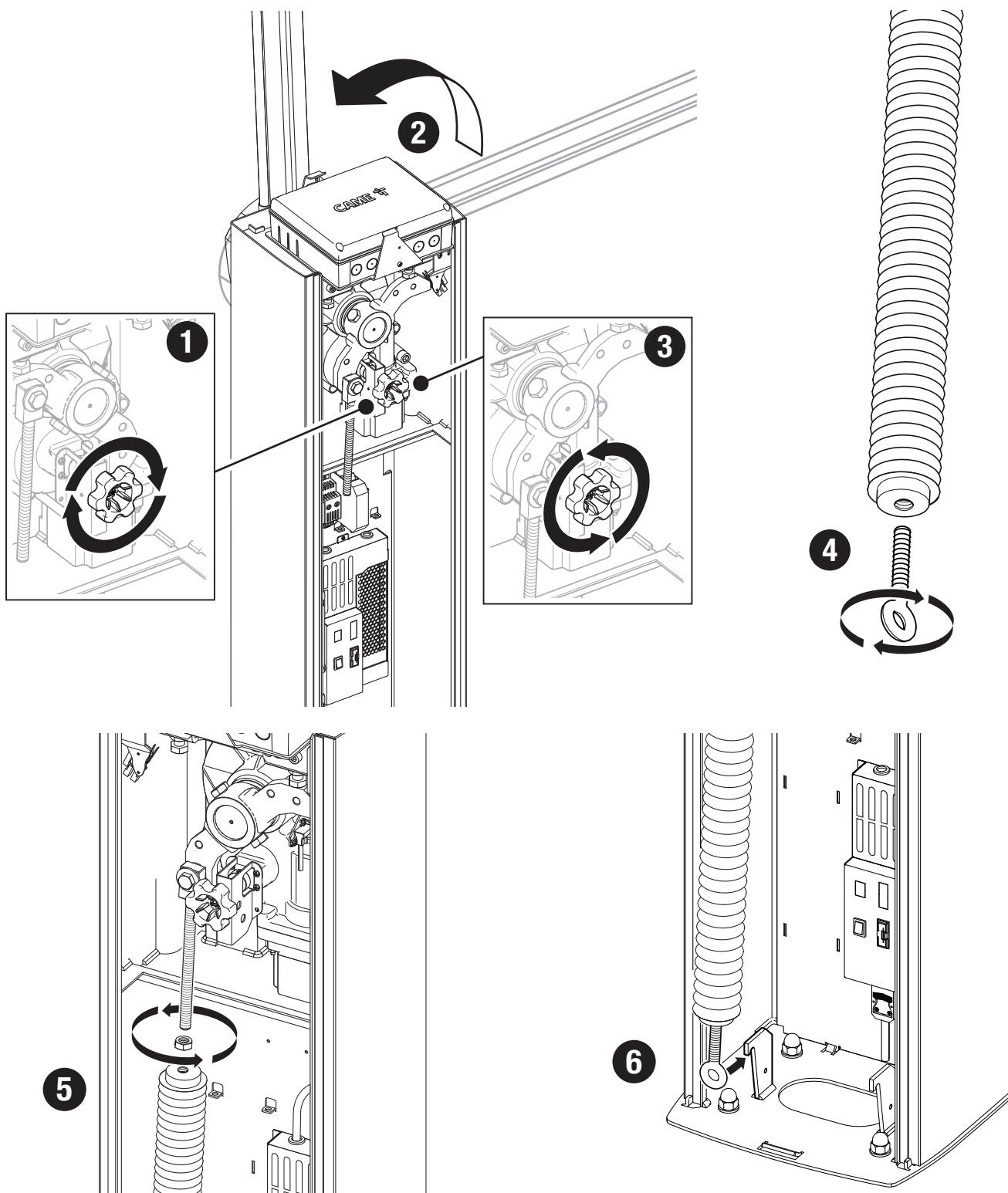
Spring code (colour)	001G02040 Ø 40 mm (yellow)		001G04060 Ø 50 mm (green)	
Hole to which fasten the spring	A		B	
Passage width clearance (m)	from 1.5 to 1.75		from 1.75 to 2.25	from 2.25 to 2.75.
			from 2.75 to 3.75.	

Simple boom means the boom complete with slot cover, cap and rubber profile.



Assembling the balance spring

- 1 Release the gearmotor.
- 2 Position the boom vertically.
- 3 Lock the gearmotor.
- 4 Tighten the eyelet tie rod to the lower part of the spring.
- 5 Screw the spring to the anchoring pin.
- 6 Hook the eyelet rod onto the anchoring bracket.

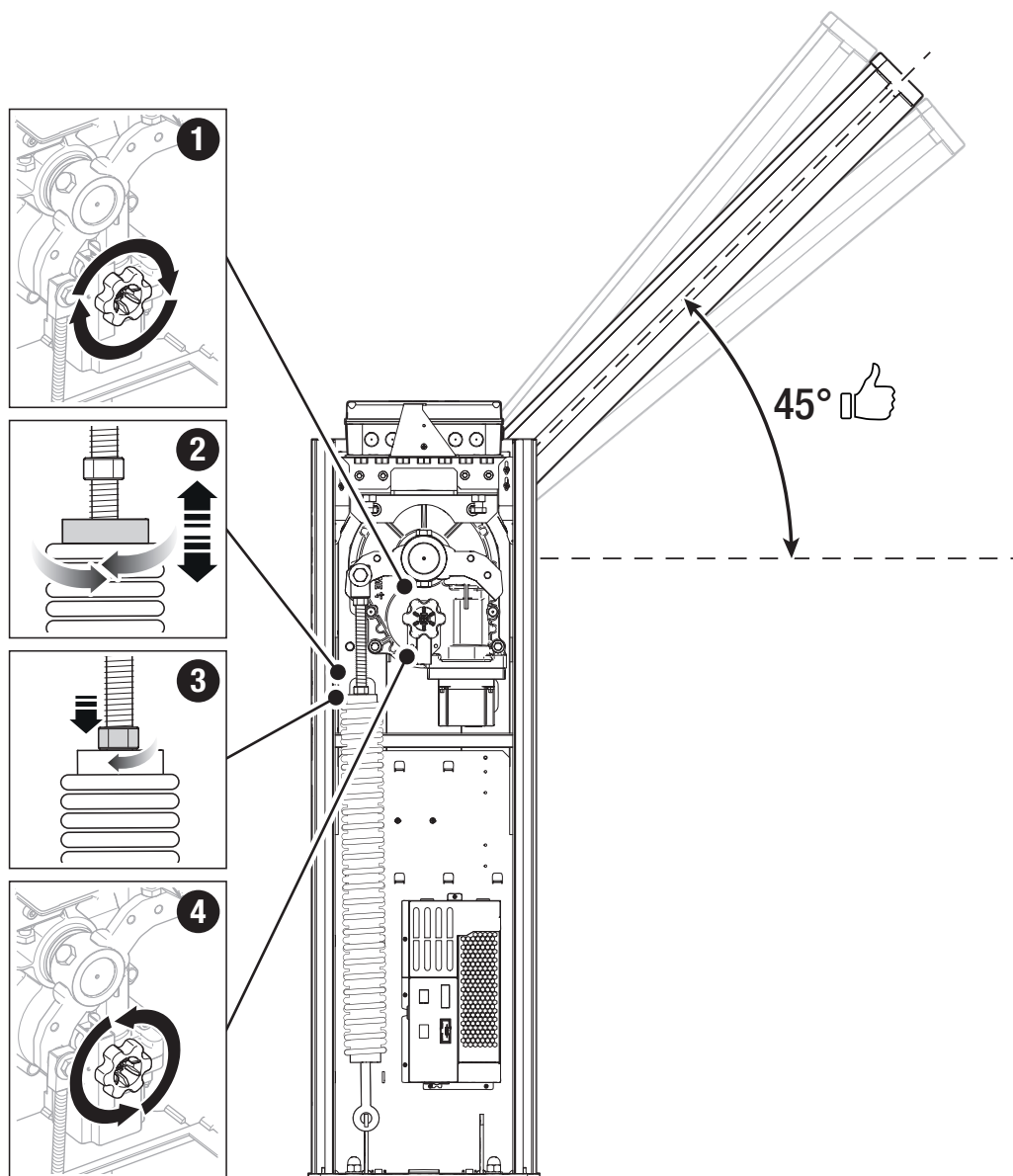


Balancing the boom

- 1 Release the gearmotor.
 - 2 Manually turn the spring to increase or reduce the traction. The boom should stabilise at 45°.
 - 3 Fasten the locknut.
- Position the boom vertically.

- 4 Lock the gearmotor

Check the proper working state of the spring. When the boom is vertical, the spring is not taut. When the boom is horizontal, the spring is taut.



Determining the travel end points with mechanical limit switches

Check that the boom is parallel to the road surface when it is in the closed position and at about 89° when it is in the open position.

Correct the boom's horizontal position

Release the gearmotor.

Open the inspection hatch.

Lower the boom.

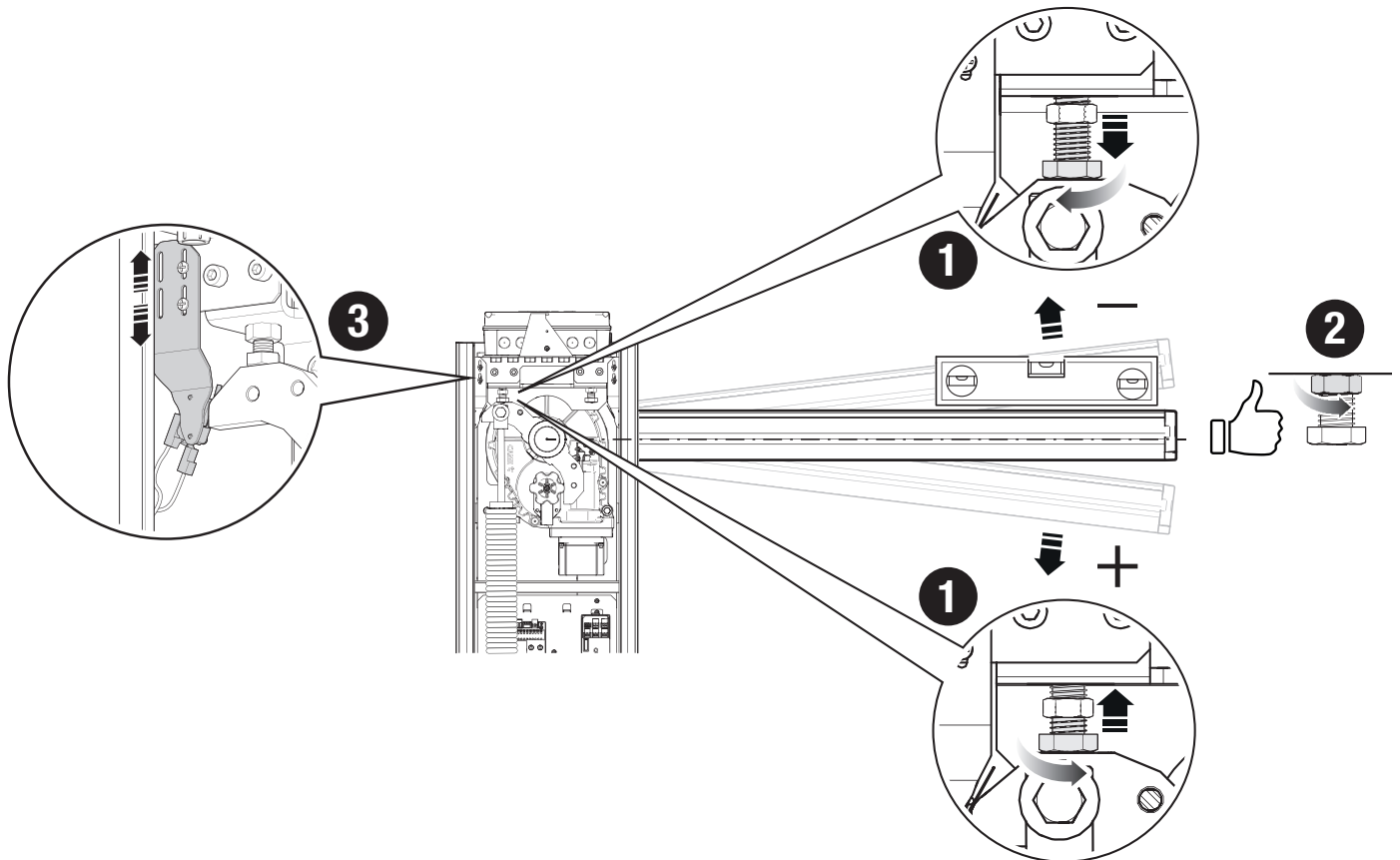
❶ Turn the mechanical stop until you reach the desired boom position.

❷ Fasten the mechanical stop with a locknut.

❸ Check that the microswitch that detects the position of the boom clicks correctly.*

Lock the gearmotor

* Only for GPX40MCP, GPX40MGP and GPX40MXP.



Correct the boom's vertical position

Release the gearmotor.

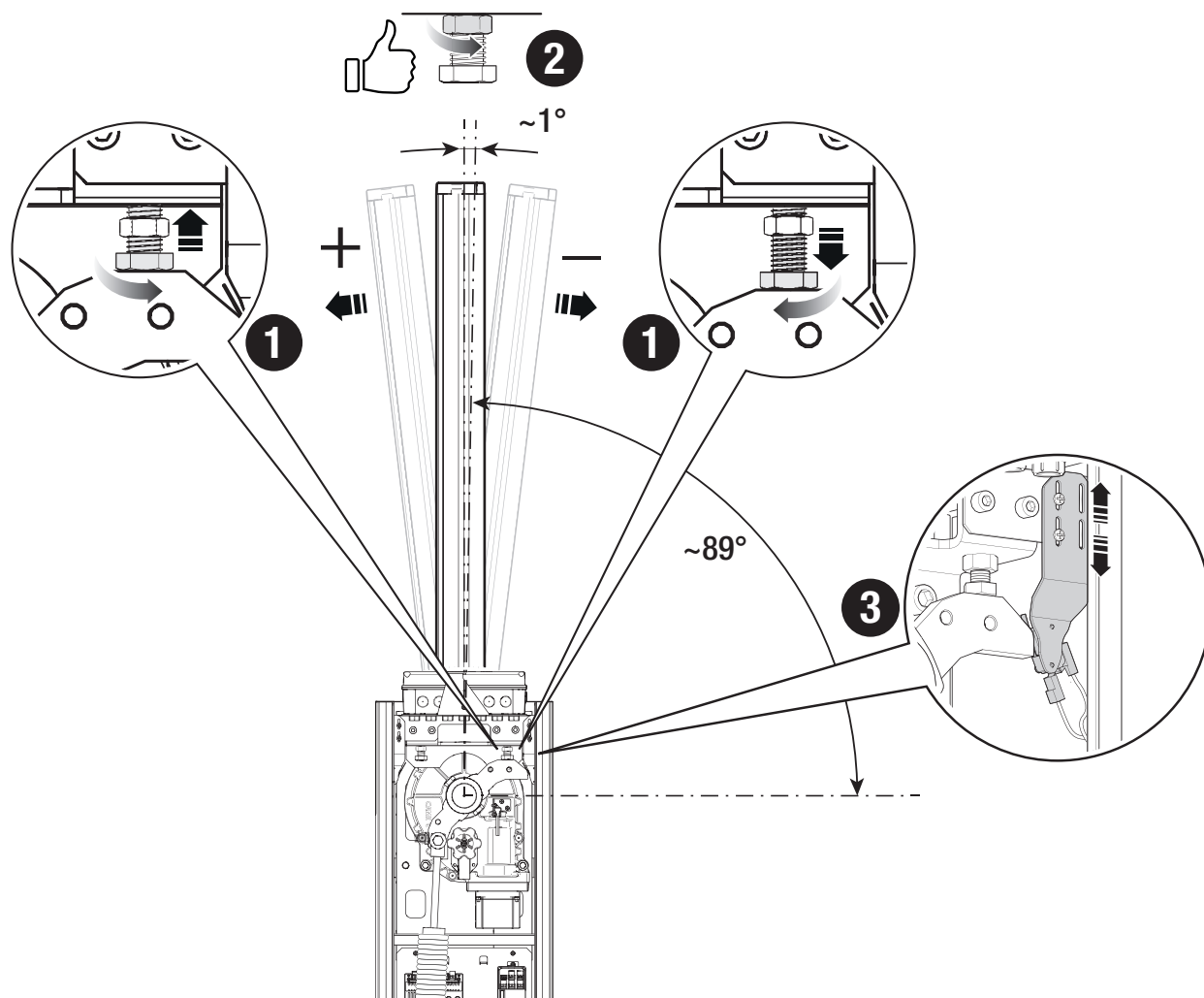
Open the inspection hatch.

Raise the boom.

- ❶ Turn the mechanical stop until you reach the desired boom position.
- ❷ Fasten the mechanical stop with a locknut.
- ❸ Check that the microswitch that detects the position of the boom clicks correctly.*

Lock the gearmotor

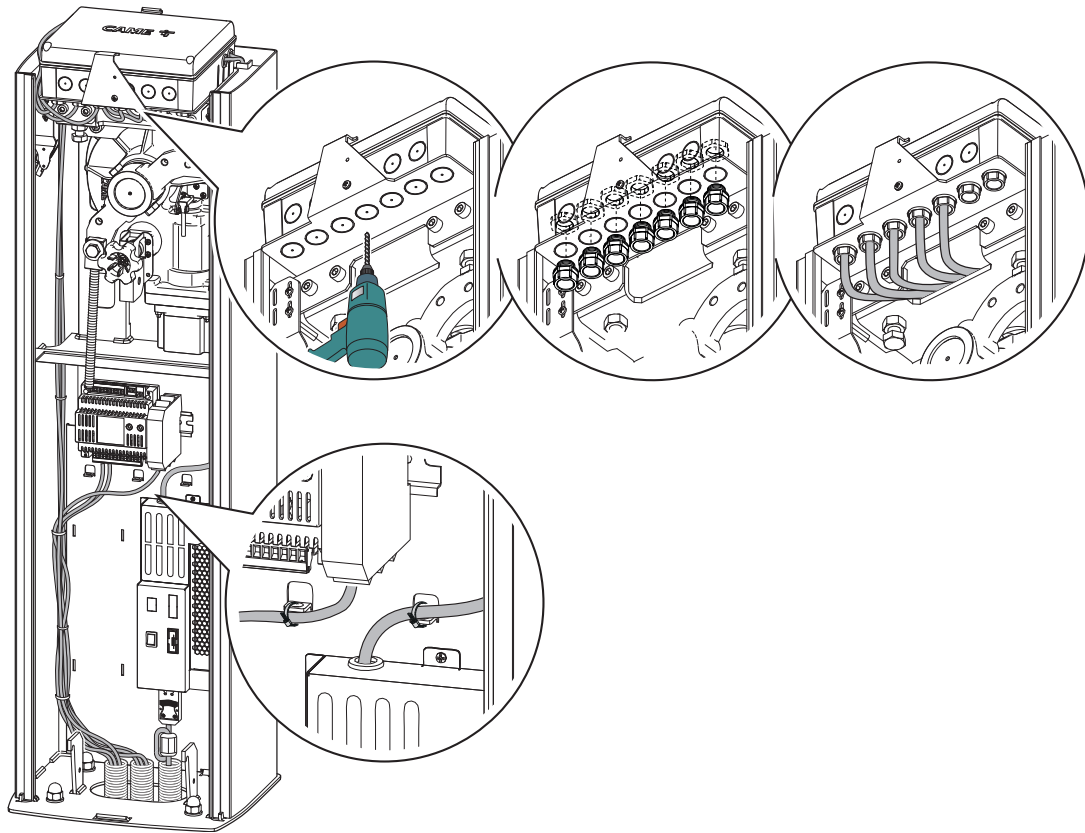
* Only for GPX40MCP, GPX40MGP and GPX40MXP.



Passing the electrical cables

The electrical cables must not touch any parts that may overheat during use (such as the motor and transformer).

Make sure that the moving mechanical parts are suitably far away from the wiring.



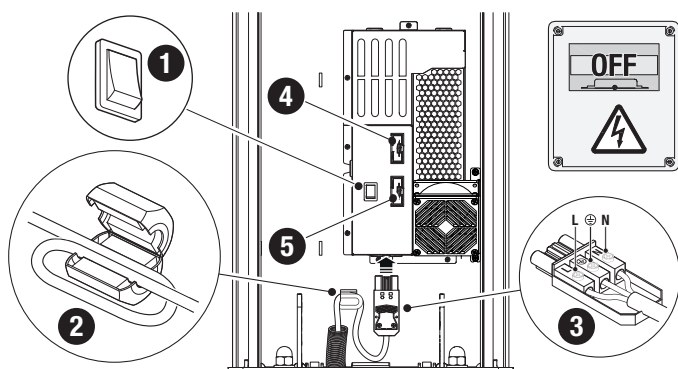
Power supply

Make sure the mains power supply is disconnected during all installation procedures.

⚠ Before working on the control panel, disconnect the mains power supply and remove the batteries, if any.

Connecting to the electrical network

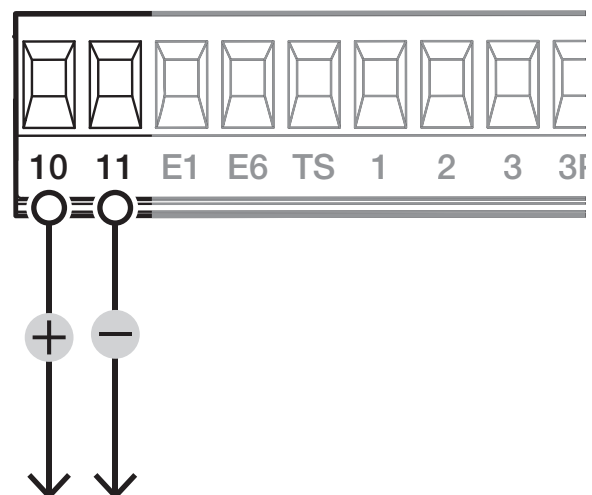
- ❶ Button for turning the device on/off.
- ❷ Apply the ferrite supplied to the power supply cable.
Ferrite type p.n. ECQK922091.
- 📖 The cable must pass through the ferrite twice (2 turns).
- ❸ Connect the power cable as shown.
- ❹ Fuse for cartridge heater or fan
- ❺ Line fuse



Power supply output for accessories

The output normally delivers 24 V DC.

📖 The sum of the power draw for the connected accessories must not exceed 40 W.



Maximum capacity of contacts

Device	Output	Power supply (V)	Power (W)
Accessories	10 - 11	24 DC	40
Additional light	10 - E1	24 DC	20
Flashing beacon	10 - E1	24 DC	20
Operator status warning light	10 - 5	24 DC	3
RGB LED strip	-	-	13,5

The sum of the power draw for the connected accessories must not exceed 40 W.

Command and control devices

- 1 Antenna with RG58 cable
- 2 Card reader
- 3 Transponder selector switch
- 4 Keypad selector
- 5 STOP button (NC contact)

This stops the boom and excludes automatic closing. Use a control device to resume movement.

If the contact is not used, it must be deactivated during programming.

- 6 Control device (NO contact)

OPEN ONLY function

When the [HOLD-TO-RUN] function is active, the control device must be connected during OPENING.

- 7 Control device (NO contact)

OPEN ONLY function

The contact must only be used for operators working in paired mode.

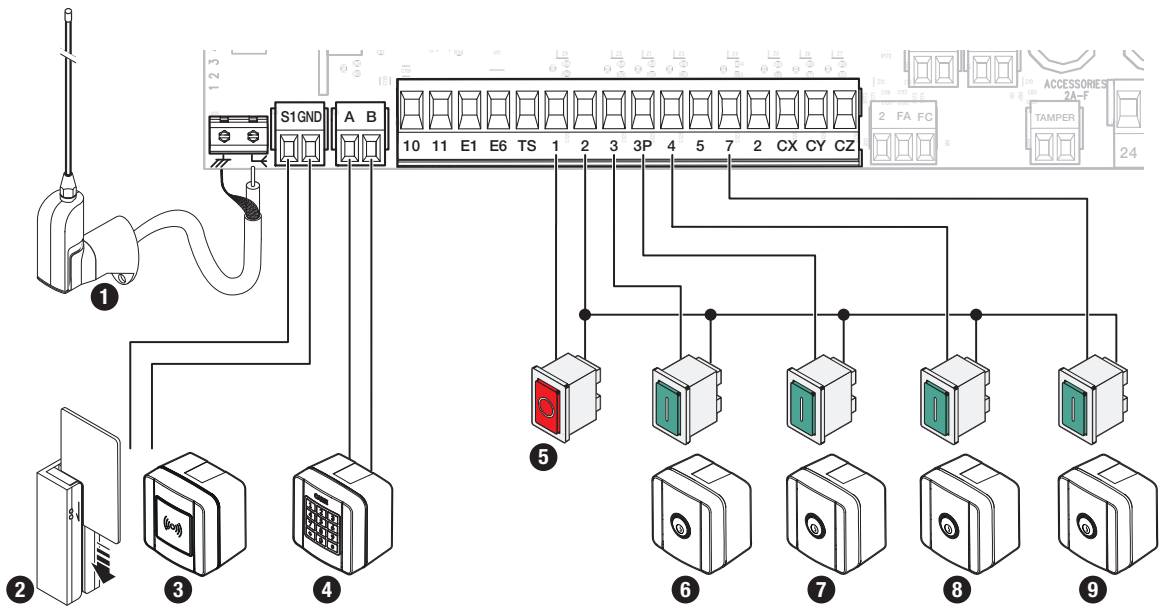
- 8 Control device (NO contact)

CLOSE ONLY function

When the [HOLD-TO-RUN] function is active, the control device must be connected during CLOSING.

- 9 Control device (NO contact)

OPEN-CLOSE function



Signalling devices

1 Additional light

It increases the light in the manoeuvring area.

2 Additional flashing beacon

It flashes when the operator opens and closes.

3 Operator status warning light

It notifies the user of the operator status.

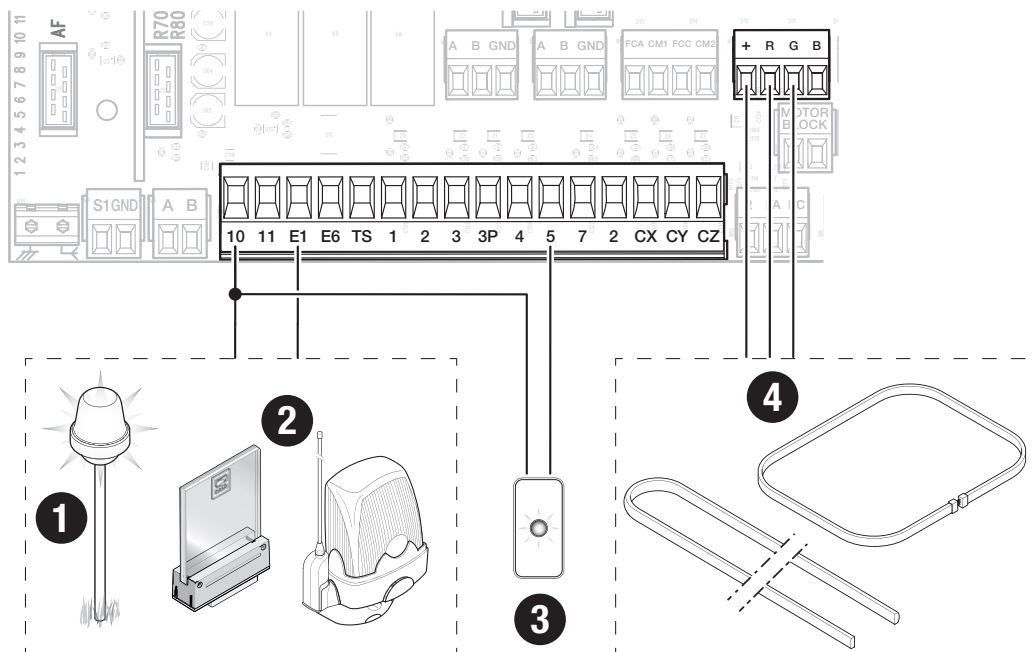
4 RGB LED strip and/or RGB crown

If the red LEDs are flashing, the operator is moving.

If the green LEDs are on, the operator is open.

If the red LEDs are on, the operator is closed.

If the red LEDs are flashing quickly, the inspection hatch is open, the gearmotor is released or the boom has dropped away.



Safety devices

Connect the safety devices to the CX, CY and/or CZ inputs (NC contacts).

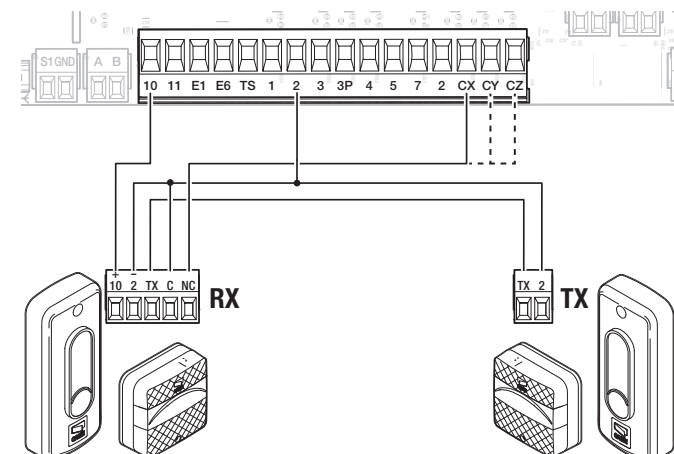
During programming, configure the type of action that must be performed by the device connected to the input.

If contacts CX, CY and CZ are not used, they must be deactivated during programming.

DIR / DELTA-S photocells

Standard connection

Multiple photocell pairs can be connected.

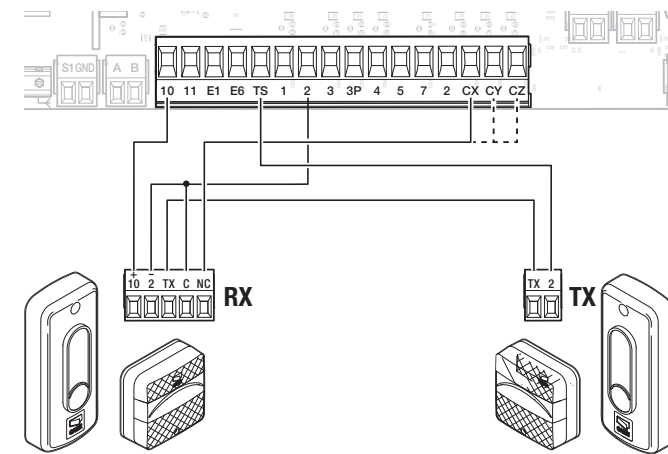


DIR / DELTA-S photocells

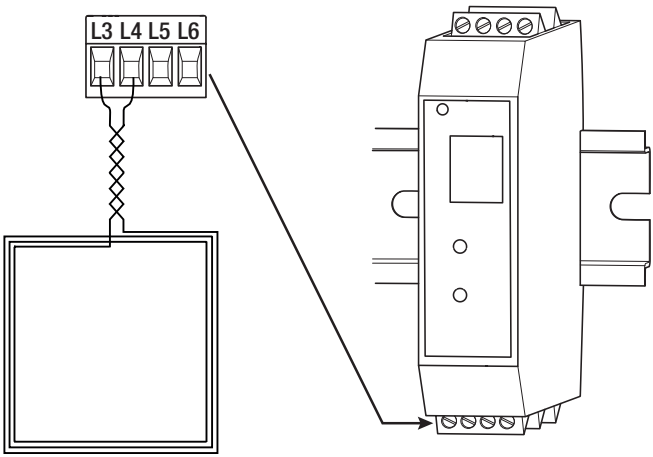
Connection with safety test

Multiple photocell pairs can be connected.

See function [F5] Safety devices test.



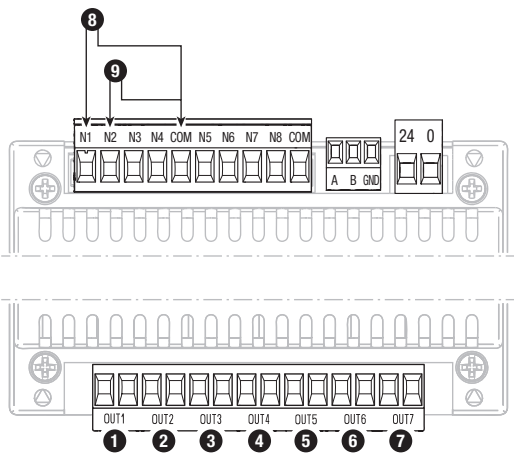
Connecting the magnetic loop to the SMA module*



* Only for GPX40MCP, GPX40MGP and GPX40MXP.

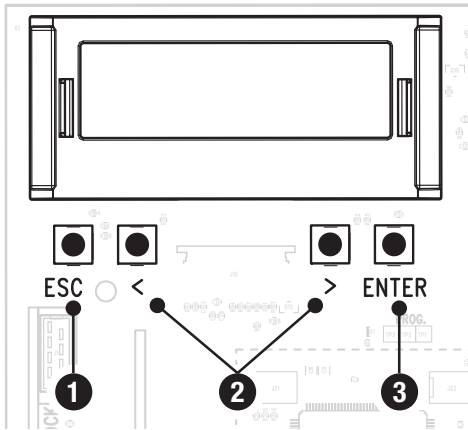
Function of the outputs of the RS485 I/O board*

- 1 Contact output indicating obstacle detection
 - 2 Contact output indicating open boom
 - 3 Contact output indicating closed boom
 - 4 Contact output indicating boom drop-away
 - 5 Contact output indicating inspection hatch open
 - 6 Contact output indicating gearmotor released
 - 7 Contact output indicating CX input status
 - 8 Input for connecting a button with OPEN ONLY function (COM-N1)
 - 9 Input for connecting a button with CLOSE ONLY function (COM-N2)
- Each output is a dry contact (NO) with maximum capacity 1A – 24 V DC.



* Only for GPX40MCP, GPX40MGP and GPX40MXP.

Programming button functions



1 ESC button

The ESC button is used to perform the operations described below.
Exit the menu
Delete the changes
Go back to the previous screen
Stop the operator

2 < > buttons

The < > buttons are used to perform the operations described below.
Navigate the menu
Increase or decrease values
Open or close the operator

3 ENTER button

The ENTER button is used to perform the operations described below.
Access menus
Confirm choice

Getting started

Once the electrical connections have been made, proceed with commissioning. Only skilled and qualified staff may perform this operation.

Make sure that there are no obstacles in the way.

Power up the system and follow the wizard that appears on the display.

After powering up the system, the first manoeuvre is always to open the gate. Wait for the manoeuvre to be completed.

Press the ESC button or STOP button immediately in the event of any faults, malfunctions, strange noises or vibrations, or unexpected behaviour in the system.

At the end of commissioning, check the correct operation of the device using the buttons near the display. Check that the accessories also work correctly.

Functions menu

Opening direction

Set the boom opening direction.

Configuration> Motor settings	Opening direction	To the left (Default) To the right
----------------------------------	-------------------	---------------------------------------

Boom length

Set the boom length.

Configuration> Motor settings	Boom length	Up to 3 m Up to 4 m
----------------------------------	-------------	------------------------

Motor test

Check the boom opens in the correct direction.

If the keys do not execute the commands correctly, invert the boom opening direction.

Configuration> Motor settings	Motor test	The button > makes the motor turn in clockwise direction. The button < makes the motor turn in an anticlockwise direction.
----------------------------------	------------	---

Travel calibration

Start the travel self-learning.

Configuration> Motor settings	Travel calibration	Confirm? NO Confirm? YES
----------------------------------	--------------------	-----------------------------

Opening speed

Set the opening speed (percentage of maximum speed).

 The percentage values automatically adapt to the value entered in the function [Boom length].

Configuration> Gate travel settings	Opening speed	50% to 100% (Default 70%)
--	---------------	---------------------------

Closing speed

Set the closing speed (percentage of maximum speed).

 The percentage values automatically adapt to the value entered in the function [Boom length].

Configuration> Gate travel settings	Closing speed	from 30% to 100% (Default 50%)
--	---------------	--------------------------------

Travel sensitivity

Adjust the obstruction detection sensitivity during boom travel.

Configuration> Gate travel settings	Travel sensitivity	10% to 100% (Default 100%)
--	--------------------	----------------------------

Total stop

This stops the boom and excludes automatic closing. Use a control device to resume movement.

Configuration> Wired safety devices	Total stop	Deactivated (Default) On
--	------------	-----------------------------

CX input

Associate a function with the CX input.

Configuration> Wired safety devices	CX input	Deactivated (Default) C1 = Reopen while closing (photocells) C4 = Obstacle standby (photocells) C5 = Immediate closure at the travel end during opening C7 = Reopen while closing (sensitive edges) C9 = Immediate closure at the travel end during opening with obstacle standby during closure C10 = Immediate closure during opening with obstacle standby during closure C13 = Reopening during closure with immediate stop once the obstacle has been removed, even with boom not in movement r7 = Reopen while closing (sensitive edges with 8K2 resistor)
--	----------	--

CY input

Associate a function with the CY input.

Configuration> Wired safety devices	CY input	Deactivated (Default) C1 = Reopen while closing (photocells) C4 = Obstacle standby (photocells) C5 = Immediate closure at the travel end during opening C7 = Reopening during closure (sensitive edges) C9 = Immediate closure at the travel end during opening with obstacle standby during closure C10 = Immediate closure during opening with obstacle standby during closure C13 = Reopening during closure with immediate stop once the obstacle has been removed, even with boom not in movement R7 = Reopening during closure (sensitive edges with 8K2 resistor)
--	----------	--

CZ input

Associate a function with the CZ input.

Configuration> Wired safety devices	CZ input	Deactivated (Default) C1 = Reopen while closing (photocells) C4 = Obstacle standby (photocells) C5 = Immediate closure at the travel end during opening C7 = Reopening during closure (sensitive edges) C9 = Immediate closure at the travel end during opening with obstacle standby during closure C10 = Immediate closure during opening with obstacle standby during closure C13 = Reopening during closure with immediate stop once the obstacle has been removed, even with boom not in movement R7 = Reopening during closure (sensitive edges with 8K2 resistor)
--	----------	--

Safety devices test

Check that the photocells connected to the inputs are operating correctly, after each opening and closing command.

Configuration> Wired safety devices	Safety devices test	Deactivated (Default) CX CY CZ CX+CY CX+CZ CY+CZ CX+CY+CZ
--	---------------------	--


Obst. with motor stopped

With the function active, the boom remains stopped if the safety devices detect an obstacle. The function activates with: closed boom, open boom or after a complete stop.

Configuration> Wired safety devices	Obst. with motor stopped	Deactivated (Default) On
--	--------------------------	-----------------------------

Hold-to-run

With the function active, the operator stops moving (opening or closing) when the control device is released.

 When the function is active, it excludes all other control devices.

Configuration> Functions	Hold-to-run	Deactivated (Default) On
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Opening counter

With the function active, you can send a series of opening commands corresponding to the number of vehicles which have to be authorised to pass through the gate. The function can only be operated by control devices connected to the contact 2-3. The magnetic contact, to which the loop that counts vehicles in transit is connected, is connected to an input. This input must be programmed to operate in C5/C9/C10 mode. At the end of the count the passage is closed.

Configuration> Functions	Opening counter	Deactivated (Default) On
-----------------------------	-----------------	-----------------------------

Boom drop-away detection

Activate the contact on the ARM terminal board for detecting the boom drop-away.

Configuration> Functions	Boom drop-away detection	Deactivated (default) On
-----------------------------	--------------------------	-----------------------------

FCA FCC warnings

Configure the method with which the FCA and FCC outputs report the boom status.

Configuration> Functions	FCA FCC warnings	Off Impulse When the boom reaches the travel end point (while opening or closing), the FCA-CM1 or FCC-CM2 contact closes for one second. Fixed When the boom reaches the travel end point (while opening or closing), the FCA-CM1 or FCC-CM2 contact closes and remains closed. Custom The FCA-CM1 contact is closed with the boom in the open travel end position and during the opening manoeuvre. The FCC-CM2 contact is closed with the boom in the closed travel end position and during the closing manoeuvre.
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Temperature control

Control the temperature by activating a cartridge heater or a fan.

Configuration> Functions	Temperature control.	Off Heater (Default) Fan
-----------------------------	----------------------	--------------------------------

Automatic closure

Set the time before automatic closure is activated, once the opening travel end point has been reached.

 The function does not work if any of the safety devices are triggered when an obstacle is detected, after a complete stop, during a power outage or if there is an error.

Configuration> Times	Automatic close	Deactivated (Default) From 1 to 180 seconds
-------------------------	-----------------	--


Open warning light

Barrier status warning. Device connected to the 10-5 output.

Configuration> Manage lights	Open warning light	Warning light on (Default) - The light stays on when the boom is moving or open. Warning light flashing - The warning light flashes every half a second when the boom is opening and remains on when the boom is open. The light flashes every second when the boom is closing, and remains off when the boom is closed.
---------------------------------	--------------------	---

Light E1

Choose the type of device connected to the output.

Configuration> Manage lights	Light E1	Flashing beacon (Default) Cycle lamp  The light remains off if an automatic closing time is not set.
---------------------------------	----------	---

Pre-flashing time

Set the time for which the beacon is activated before each manoeuvre.

Configuration> Manage lights	Pre-flashing time	Deactivated (Default) 1 to 10 seconds
---------------------------------	-------------------	--

RSE1

Configure the function to be performed by the card inserted in the RSE1 connector.

Configuration> RSE communication	RSE1	Paired Alternate Off
-------------------------------------	------	----------------------------

RSE2

Configure the function to be performed by the card inserted in the RSE2 connector.

Configuration> RSE communication	RSE2	Off CRP (Default) I/O module RTU Modbus
-------------------------------------	------	--

CRP address

Assign a unique identification code (CRP address) to the control board. It is used where there are multiple operators connected via CRP.

Configuration> RSE communication	CRP address	1 to 254
-------------------------------------	-------------	----------

RSE1 speed

Set the remote connection system communication speed on the RSE1 port.

Configuration> RSE communication	RSE1 speed	4800 bps 9600 bps 14400 bps 19200 bps 38400 bps (Default) 57600 bps 115200 bps
-------------------------------------	------------	--

RSE2 speed

Set the remote connection system communication speed on the RSE2 port.

Configuration RSE communication	RSE2 speed	4800 bps 9600 bps 14400 bps 19200 bps 38400 bps (Default) 57600 bps 115200 bps
------------------------------------	------------	--

Save data

Save user data, timings and configurations to the memory device (memory roll or USB key).

 The function is displayed only when a USB stick is inserted into the USB port or when a memory roll card is inserted into the control board.

Configuration> External memory	Save data	Confirm? NO (Default) Confirm? YES
-----------------------------------	-----------	---------------------------------------

Read data

Upload user data, timings and configurations from the memory device (memory roll or USB key).

 The function is displayed only when a USB stick is inserted into the USB port or when a memory roll card is inserted into the control board.

Configuration> External memory	Read data	Confirm? NO (Default) Confirm? YES
-----------------------------------	-----------	---------------------------------------

Guided procedure (Wizard)

You can use the system configuration wizard.

Configuration>	Guided procedure (Wizard)	Up to 3 m Up to 4 m
----------------	---------------------------	------------------------

New user

Register up to a maximum of 250 users and assign a function to each one.

 The operation can be carried out by using a transmitter or another control device. The boards that manage the control devices (AF - R700 - R800) must be inserted into the connectors.

Manage users	New user	Step-by-step Sequential Open Partial opening When the barrier is in [Paired] mode, the [Partial Opening] command opens the Master barrier. Choose the function to be assigned to the user. Press ENTER to confirm. Send the code from the control device. Repeat the procedure to add other users.
--------------	----------	--

Remove user

Remove one of the registered users.

Manage users	Remove user	Confirm? NO Confirm? YES Use the arrows to choose the number associated with the user you want to remove. No. 1 > 250 Alternatively, the control device associated with the user you want to remove can be activated. Press ENTER to confirm. “CLr” will appear to confirm deletion.
--------------	-------------	--


Remove all

Remove all registered users.

Manage users	Remove all	Confirm? NO Confirm? YES
--------------	------------	-----------------------------

Radio decoding

Choose the type of radio coding for the transmitters enabled to control the operator.

 If you choose the type of radio coding for the transmitters [Rolling code] or [TW key block], any transmitters with a different type of radio coding saved previously will be deleted.

Manage users	Radio decoding	All decoding (Default) Rolling code TW Key block Confirm? NO Confirm? YES
--------------	----------------	---

Sensor type

Set the type of control device.

Manage users	Sensor type	Keypad Transponder
--------------	-------------	-----------------------

Self-Learning Rolling

Save a new transmitter using an existing one without following the add new user procedure [New User].

Manage users	Self-Learning Rolling	Off On
--------------	-----------------------	-----------

Change mode

Change the function assigned to a specific user. This operation can also be carried out by sending a command from the device associated to the user.

Manage users	Change mode	1 - Choose the user to whom the assigned function is to be changed. No. 1 > 250 Alternatively, the control device associated with the user to which the associated function is to be modified can be activated. 2 - Press ENTER to confirm. User mode 3 - Press ENTER to confirm. 4 - Use the arrows to choose the desired function. Step-by-step Sequential Open Partial opening 5 - Press ENTER to confirm.
--------------	-------------	--

FW version

Display the firmware version number and the GUI installed.

Information	FW version	
-------------	------------	--

Manoeuvre counter

View the number of operator manoeuvres.

Total manoeuvres = Manoeuvres carried out since installation.

Partial manoeuvres = Manoeuvres carried out after the last one [Maintenance reset].

Information	Manoeuvre counter	Total manoeuvres Partial manoeuvres
-------------	-------------------	--

Set up maintenance

Set the number of manoeuvres the operator can perform before a maintenance warning signal is generated. The signal consists of the 3 + 3 times rhythmic flashing of the [Open] warning light every hour. Device connected to the 10-5 output.

Information	Set up maintenance	Deactivated (Default) from 1 to 1000 (1 = 1000 manoeuvres)
-------------	--------------------	---

Maintenance reset

Reset the number of [Partial manoeuvres].

Information	Maintenance reset	Confirm? NO Confirm? YES
-------------	-------------------	-----------------------------

Parameter reset

Restore factory settings except for the functions: [Radio decoding], [Boom length] and the settings related to travel calibration.

Information	Parameter reset	Confirm? NO Confirm? YES
-------------	-----------------	-----------------------------



Errors list

View the last 8 errors detected. The error list can be deleted.

Information	Errors list	Use the arrows to scroll through the list. To cancel the error list, select [Delete errors]. Press ENTER to confirm. Confirm? NO Confirm? YES
-------------	-------------	---

Update the FW from USB

Update the firmware version of the device.

-  The function is displayed only when a USB memory stick is inserted.
-  Make sure the USB stick contains the firmware update file.

Information	Update the FW from USB	Confirm? NO Confirm? YES
-------------	------------------------	-----------------------------

Show clock

Enable the clock on the display.

Timer management	Show clock	
------------------	------------	--

Set the clock

Set the date and time.

Timer management	Set the clock	Use the arrows and the Enter button to enter the desired values.
------------------	---------------	--

Automatic DST

Enable automatic daylight saving time setting.

Timer management	Automatic DST	Deactivated (Default) On
------------------	---------------	-----------------------------

Create new timer

Time one or more types of activation chosen from those available.

Timer management	Create new timer	1 - Use the arrows to choose the desired function. Opening / Partial opening 2 - Press ENTER to confirm. 3 - Use the arrows to set the start and end time of the function activation. Start time / end time 4 - Press ENTER to confirm. 5 - Use the arrows to set the function activation days. Select days / Whole week 6 - Press ENTER to confirm.
------------------	------------------	--

Remove timer

Removes one of the saved timings.

Timer management	Remove timer	Use the arrows to choose the timing to be removed. 0 = [Opening] P = [Partial opening] Press ENTER to confirm.
------------------	--------------	---

Commands

Run certain barrier commands without the control devices.

	Commands	Use the arrows to select the command to be executed. Open Partial opening Close Stop Press ENTER to confirm.
--	----------	---

Language

Set the display language.

	Language	Italiano (IT) English (EN) Français (FR) Deutsch (DE) Español (ES) Português (PT) Polski (PL) Русский (RU)
--	----------	---

Enable password

Set a 4-digit password. The password will be requested to anyone who wants to access the main menu.

Password	Enable password	Use the arrows and the Enter button to dial the desired code.
----------	-----------------	---

Remove password

Remove the password that protects access to the main menu.

Password	Remove password	Confirm? NO Confirm? YES
----------	-----------------	-----------------------------

Change password

Change the 4-digit password that protects access to the main menu.

Password	Change password	Use the arrows and the Enter button to dial the desired code.
----------	-----------------	---

F Menu

Enable the F functions menu view.

Import/export data

- 1 Insert a USB flash drive into the USB port.
- 2 Press the "Enter" button to access programming.
- 3 Use the arrows to choose the desired function.

The functions are displayed only when a USB memory stick is inserted.

-Save data

Save user data, timings and configurations to the memory device (memory roll or USB key).

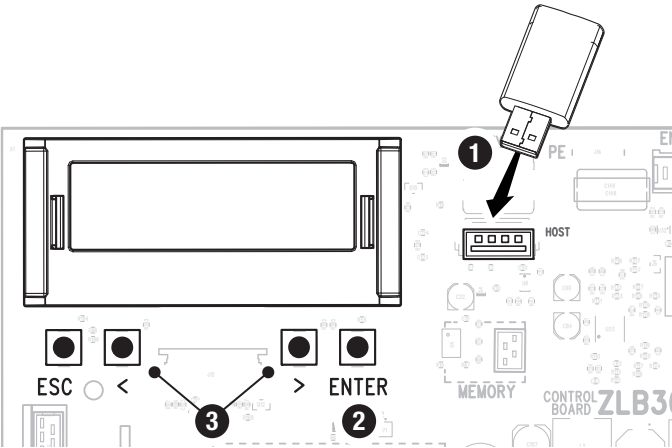
-Read data

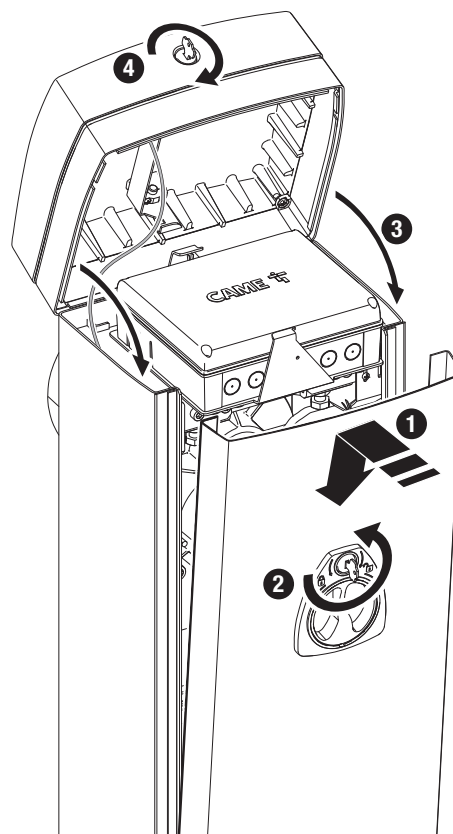
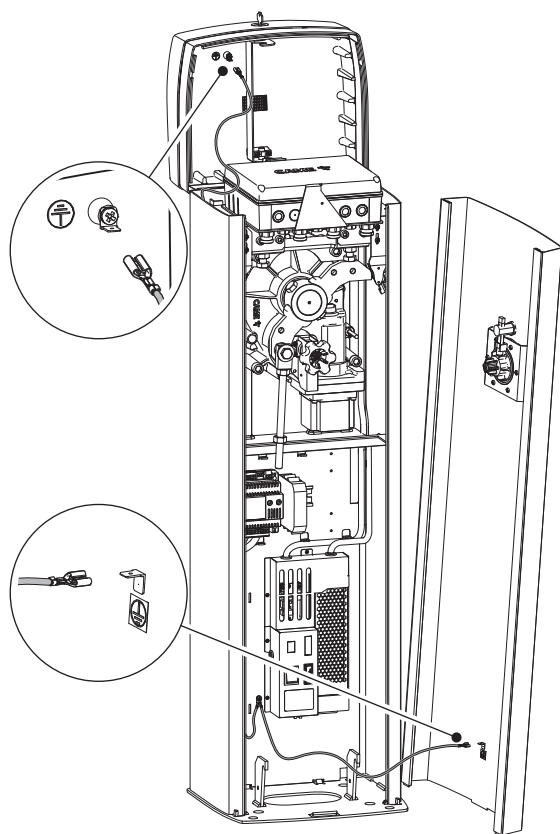
Upload user data, timings and configurations from the memory device (memory roll or USB key).

-Update the FW from USB

Update the firmware version of the device.

Make sure the USB stick contains the firmware update file.






PAIRED OPERATION

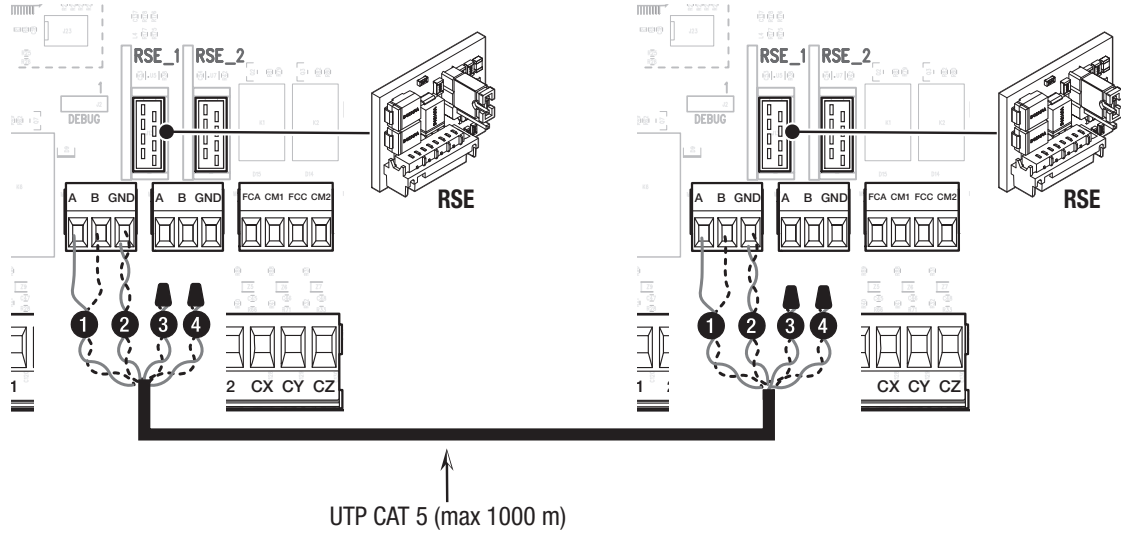
Two connected operators are controlled with one command.

Electrical connections


Connect the two electronic boards with a UTP CAT 5 cable.
Fit an RSE card on both control boards, using the RSE_1 connector.
Connect up the electrics for the devices and accessories.

 For information on connecting the electrics for the devices and accessories, please see the “ELECTRICAL CONNECTIONS” section.

 The devices and accessories must be connected to the control board which will be set as the MASTER.



Programming

 All programming operations described below must be performed only on the control board set as the MASTER.

Select the [Paired] system type when following the guided procedure, or configure the RSE_1 port to [Paired] mode.

 After programming the MASTER operator in [Paired], the second operator automatically becomes SLAVE.

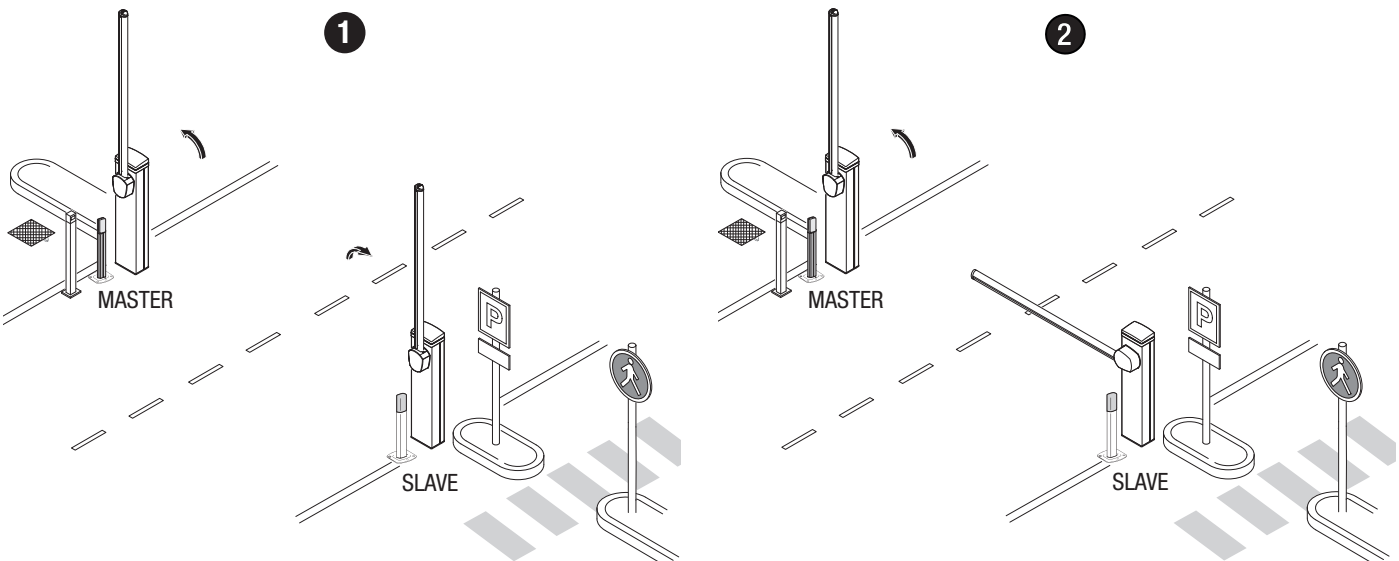
Saving users

 All save user operations must be performed only on the control board set as the MASTER.

 For user storage operations, see the [New user] function.

Operating modes

- ❶ OPEN-CLOSE command (2-7), OPEN ONLY (2-3) or CLOSE ONLY (2-4)
- ❷ PARTIAL OPENING command (2-3P)



ALTERNATE OPERATION


The first barrier opens, the vehicle passes, the first barrier closes, the second barrier opens, the vehicle passes and the second barrier closes.

Electrical connections

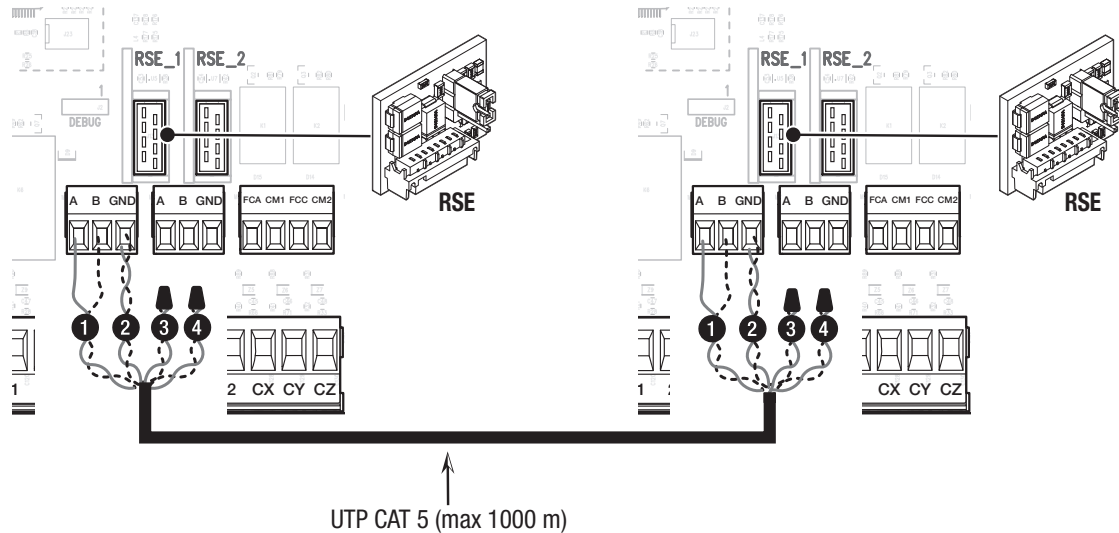
Connect the two electronic boards with a UTP CAT 5 cable.

Fit an RSE card on both control boards, using the RSE_1 connector.

Connect up the electrics for the devices and accessories.

 For information on connecting the electrics for the devices and accessories, please see the “ELECTRICAL CONNECTIONS” section.

 The control and safety devices must be connected on both electronic boards.



Programming

 Choose one of the two operations described below.

On one of the two barriers, select [Alternate] as type of installation, during the guided procedure.

On one of the two barriers, configure the [RSE_1] function in [Alternate].

It activates the function [Automatic close] on both control boards.

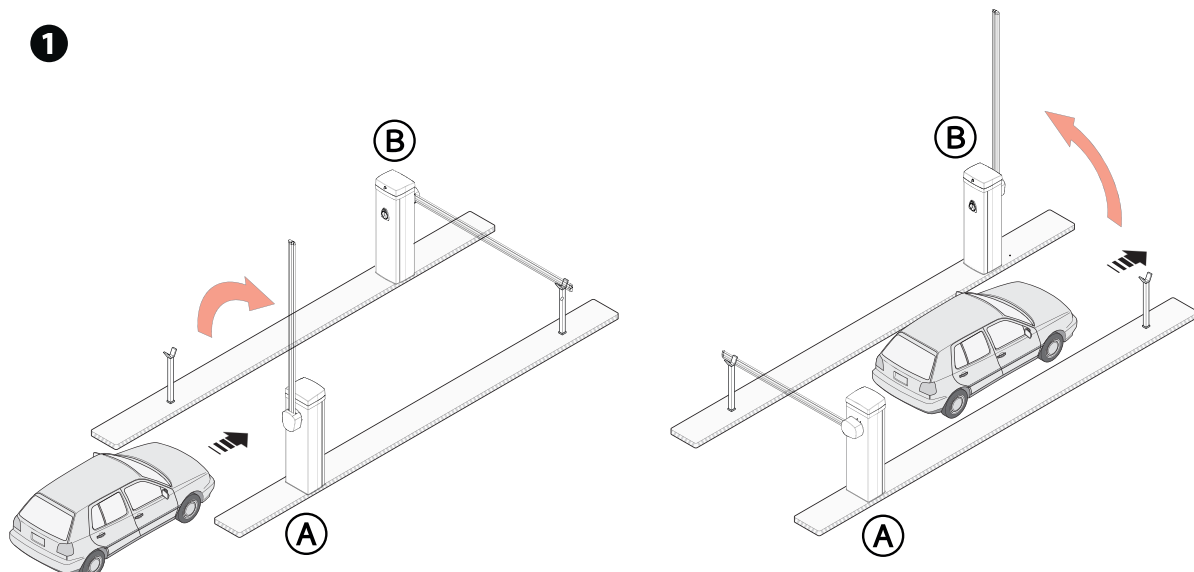
Saving users

 For user storage operations, see the [New user] function.

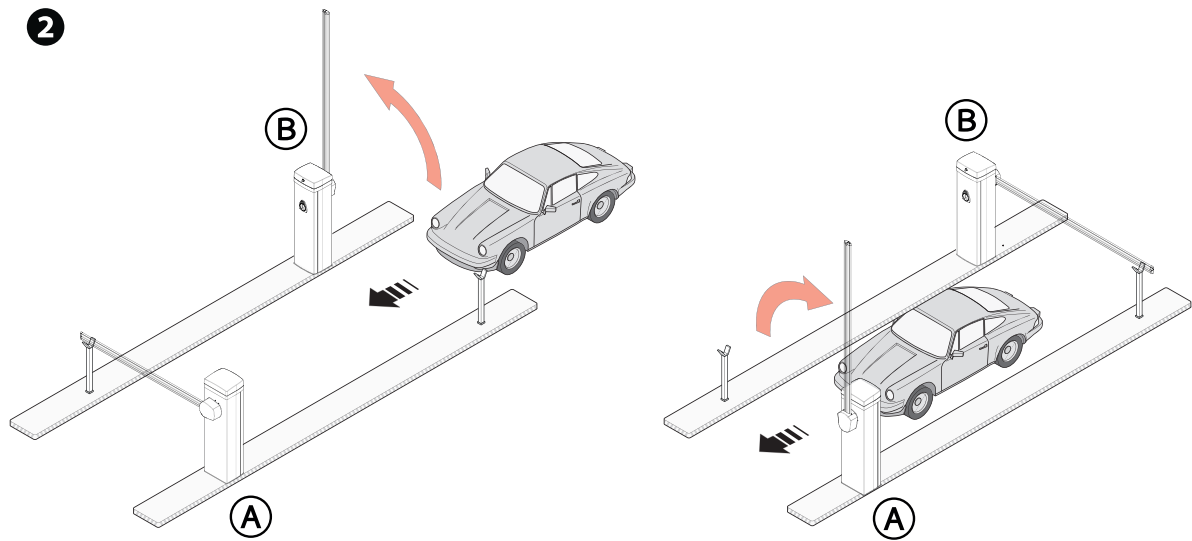
 When programming users, do not use the PARTIAL OPENING 2-3P command.

Operating modes

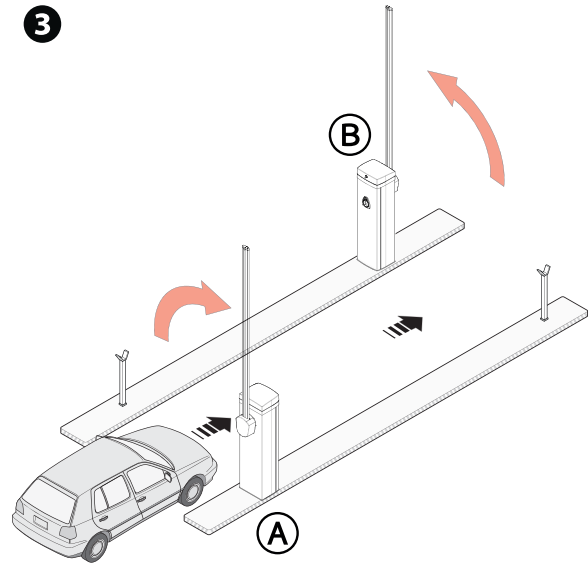
- 1** ONLY OPEN command (2-3) on barrier A



2 ONLY OPEN command (2-3) on barrier B



3 OPEN-CLOSE command (2-7) on barrier A or B for emergency opening





MCBF

Models


GPX40

Std boom L = 3.05 m	10.000.000
Boom L = 4.05 m	-0 %
Boom L = 3.05 m with joint	-0 %
Boom L = 4.05 m with joint	-0 %

 The GARD PX barrier has an innovative gearmotor in oil bath and has been designed to perform up to 10 million cycles. Thanks to its ultra-efficient brushless motor, it is extremely reliable and requires very little maintenance.

 The MCBF value relates to the barrier only and does not refer to any applicable accessories.

 The percentages indicate how much the number of cycles should be reduced in relation to the type and number of accessories installed.

 The installer is responsible for deciding on the type of intervention and the maintenance frequency, considering the use, installation site and number of daily cycles.

 If the barrier is not used for long periods of time, e.g. for installations at sites with seasonal closures, release the spring and remove the boom.

 For information on correct installation and adjustments, please see the product installation manual.

 For information on choosing products and accessories, please see our product catalogue.

 If the barrier with an articulated joint is used, check that the moving parts of the joint are in good condition. Replace them if necessary.

Every 500,000 cycles and, in any case, every 12 months of operation, you must perform the maintenance work indicated below.

- Perform a general and complete check of the tightness of the nuts and bolts.
- Check the 45° boom balance and if necessary tension the balance spring, adjusting its traction operating on the hooking tie rods.
- Lubricate the spring when it is fully extended.
- Grease all of the moving mechanical parts.
- Check the warning and safety devices are working properly.
- Check that the microswitch connected to the cabinet cover is working correctly.
- Check the microswitch connected to the manual release is working properly, and the microswitch connected to the release accessories (optional).
- Check there are no oil leaks.

Every 2,500,000 cycles and, in any case, every 24 months of operation, you must perform the maintenance work indicated below.

- Replace the spring.

ERROR MESSAGES	
Calibration error	Interruption of the boom travel calibration due to the presence of an obstruction.
The Encoder does not work	The Encoder is disconnected. The Encoder is broken.
Service test failure error	Presence of an obstruction within the range of the photocells. The photocells are not correctly connected or configured. The photocells are faulty.
Work time expired	Finished the maximum work time set.
Door lock open	The operator is released.
Maximum number of closing obstacles	The maximum number of obstacles detected consecutively has been exceeded
Maximum number of opening obstacles	The maximum number of obstacles detected consecutively has been exceeded
Maximum number of obstacles	The maximum number of obstacles detected consecutively has been exceeded
Serial communication error	Configured on the wrong RSE port.
Incompatible remote control	The transmitter used is not CAME. The coding set is different from that of the transmitter. The transmitters are TWIN and have different KEY BLOCK.
Slave door open	The SLAVE operator is released.
Detached boom	The boom was pushed open. Incorrect ARM contact wiring. No boom detection sensor.
Released motor	The boom has been released by the gearmotor and it can be moved manually. Open gearmotor safety microswitch contact.

Fabbricante / Manufacturer / Hersteller / Fabricant / Fabricante / Fabricante
/ Wytwórca / Fabrikant

Came S.p.a.

Indirizzo / address / adresse / adresse / dirección / endereço / adres / adres
Via Martiri della Libertà 15 - 31030 Dosson di Casier, Treviso - Italy



DICHIARAZIONE DI INCORPORAZIONE allegato / DECLARATION OF INCORPORATION annex / ERKLÄRUNG FÜR DEN
EINBAU anhang / DECLARATION D'INCORPORATION annexe / DECLARACIÓN DE INCORPORACIÓN anexo / DECLARAÇÃO
DE INCORPORAÇÃO anexo / DEKLARACJA WBUDOWANIA załącznik / INBOUWERKLARING bijlage IIB - 2006/42/CE

DICHIARA CHE LA BARRIERA STRADALE / DECLARES THAT THE AUTOMATIC BARRIERS / ERKLÄRT DASS DIE AUTOMA-
TISCHE SCHRANKENSYSTEME / DECLARE QUE LA BARRIERE AUTOMATIQUE / DECLARA QUE LA BARRERAS
AUTOMÁTICAS / DECLARA QUE A BARRERA AUTOMÁTICA / OSWADCZA ZE SZLABANY AUTOMATYCZNA / VERKLAART
DAT DE AUTOMATISCHE SLAGBOOM

GPX40MGS
GPX40MGP
GPX40MGC
GPX40MXP

E' CONFORME ALLE DISPOSIZIONI DELLE SEGUENTI DIRETTIVE / IT COMPLIES WITH THE PROVISIONS OF THE FOLLOWING
DIRECTIVES / DEN VORGABEN DER FOLGENDEN RICHTLINIEN ENTSPRECHEN / IL EST CONFORMES AUX DISPOSITIONS
DES DIRECTIVES SUIVANTES / CUMPLEN CON LAS DISPOSICIONES DE LAS SIGUIENTES DIRECTIVAS / ESTÃO DE ACORDO
COM AS DISPOSIÇÕES DAS SEGUINTE DIRETIVAS / SA ZGODNE Z POSTANOWIENIAMI NASTĘPUJĄCYCH DYREKTYW
EUROPEJSKICH / VOLDOEN AAN DE VOORSCHRIFTEN VAN DE VOLGENDE RICHTLIJNEN:

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VERTRAGLICHKEIT / COMPATIBILITÉ ELECTROMAGNETIQUE / COMPATIBILIDAD ELECTROMAGNETICA / COMPATIBILI-
DADE ELETTROMAGNETICA / KOMPATYBILNOŚCI ELEKTROMAGNETYCZNEJ / ELEKTROMAGNETISCHE COMPATIBI-
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European regulations and other technical regulations / Harmonisierte
Bezugsnormen und andere technische Vorgaben / Référence aux normes
harmonisées et aux autres normes techniques / Referencia normas
armonizadas y otras normas técnicas / Referência de normas harmoniza-
das e outras normas técnicas / Odnosne normy ujednolicone i inne normy
techniczne / Geharmoniseerde en andere technische normen waarnaar is
verwezen

EN 61000-6-2:2005+EC:2005+IS1:2005
EN 61000-6-4:2007+A1:2011
EN 62233:2008
EN 60335-1:2012+AC:2014+A11:2014

RISPETTA I REQUISITI ESSENZIALI APPLICATI / MEET THE APPLICABLE ESSENTIAL REQUIREMENTS / DEN WESENTLIJCHEN
ANGEWANDTEN ANFORDERUNGEN ENTSPRECHEN / RESPECTENT LES CONDITIONS REQUISES NECESSAIRES APPLIQUEES:
/ CUMPLEN CON LOS REQUISITOS ESENCIALES APLICADOS / RESPETAM O REQUISITOS ESSENCIAIS APLICADOS /
SPELNIAJA PODSTAWOWE WYMAGANIA WYRUNKI / VOLDOEN AAN DE TOEPASBARE MINIMUM EISEN:

1.1.3; 1.1.5; 1.2.1; 1.2.2; 1.3.2; 1.3.7; 1.3.8.1; 1.4.1; 1.4.2; 1.5.1; 1.5.6; 1.5.8; 1.5.9; 1.5.11; 1.5.13; 1.6.1; 1.6.3; 1.6.4;
1.7.1; 1.7.2; 1.7.4

PERSONA AUTORIZZATA A COSTITUIRE LA DOCUMENTAZIONE TECNICA PERTINENTE / PERSON AUTHORISED TO COMPILE THE RELEVANT TECHNICAL DOCUMENTATION /
PERSON DIE BEZUGNAHMEN IST, DIE RELEVANTEN TECHNISCHEN UNTERLAGEN ZUSAMMENZUSTELLEN / DOCUMENTATION TECHNIQUE SPECIFIQUE D'AUTORISATION
A CONSTITUIRE DE / PERSONA FACULTADA PARA ELABORAR LA DOCUMENTACIÓN TÉCNICA PERTINENTE / PESSOA AUTORIZADA A CONSTITUIR A DOCUMENTAÇÃO TÉCNICA
PERTINENTE / OSOBA UPOWAZNIIONA DO ZREDAGOWANIA DOKUMENTACJI TECHNICZNEJ / DEGENE DIE GEMACHTD IS DE RELEVANTE TECHNISCHE DOCUMENTEN
SAMEN TE STELLEN.

CAME S.p.a.

La documentazione tecnica pertinente è stata compilata in conformità all'allegato VIB. / The pertinent technical documentation has been drawn up in compliance with attached
document VIB. / Die relevante technische Dokumentation wurde entsprechend der Anlage VIB ausgestellt. / La documentation technique spécifique a été remplie conformément à
l'annexe IIB / La documentación técnica pertinente ha sido rellenada en cumplimiento con el anexo VIB. / A documentação técnica pertinente foi preenchida de acordo com o anexo
VIB. / Odnosna dokumentacja techniczna została zredagowana zgodnie z załącznikiem VIB. / De technische documentatie terzake is opgesteld in overeenstemming met de bijlage VIB.

CAME S.p.a. si impegna a trasmettere, in risposta a una richiesta adeguatamente motivata delle autorità nazionali, informazioni pertinenti sulle quasi macchine, e / Came S.p.A., following
a duly motivated request from the national authorities, undertakes to provide information related to the quasi machines, and / Die Firma Came S.p.A. verpflichtet sich auf eine angemessen
motivierende Anfrage der staatlichen Behörden Informationen über die unvollständigen Maschinen, zu übermitteln, und / Came S.p.A. s'engage à transmettre, en réponse à une demande
bien fondée de la part des autorités nationales, les renseignements relatifs aux quasi machines / Came S.p.A. se compromete a transmitir, como resposta a una solicitud adecuadamente
fundada por parte de las autoridades nacionales, informaciones relacionadas con las cuasimáquinas / Came S.p.A. compromete-se em transmitir, em resposta a uma solicitação motivada
apropriadamente pelas autoridades nacionais, informações pertinentes às partes que compoñam máquinas / Came S.p.A. zobowiązuje się do udzielenia informacji dotyczących maszyn
nieukończonych na odpowiednio umotywowana prośbę, złożona przez kompetentne organy państwowe / Came S.p.A. verbindt zich ertoe om op met redenen omkleed verzoek van de
nationale autoriteiten de relevante informatie voor de niet voltooide machine te verstrekken.

VIETA / FORBIDS / VERBIETET / INTERDIT / PROHIBE / PROIBE / ZABRANIA SIE / VERBIEDT

la messa in servizio finché la macchina finale in cui deve essere incorporata non è stata dichiarata conforme, se del caso alla 2006/42/CE. / commissioning of the above mentioned until such
moment when the final machine into which they must be incorporated, has been declared compliant, if pertinent, to 2006/42/CE / die Inbetriebnahme bevor die „Endmaschine“ in die die
unvollständige Maschine eingebaut wird, als konform erklärt wurde, gegebenenfalls gemäß der Richtlinie 2006/42/EU. / la mise en service tant que la machine finale dans laquelle elle doit
être incorporée n'a pas été déclarée conforme, le cas échéant, à la norme 2006/42/CE. / la puesta en servicio hasta que la máquina final en la que será incorporada no haya sido declarada
de conformidad de acuerdo a la 2006/42/CE / a colocação em funcionamento, até que a máquina final, onde devem ser incorporadas, não for declarada em conformidade, se de acordo
com a 2006/42/CE. / Uruchomienia urządzenia do czasu, kiedy maszyna, do której ma być wbudowany, nie zostanie oceniona jako zgodna z wymogami dyrektywy 2006/42/WE, jeśli taka
procedura była konieczna. / deze in werking te stellen zolang de eindmachine waarin de niet voltooide machine moet worden ingebouwd in overeenstemming is verklaard, indien toepasselijk
met de richtlijn 2006/42/EG.

Dosson di Casier (TV)
25 Novembre / November / November /
Novembre / Noviembre / Novembro /
Listopad / November / November 2019

Direttore Tecnico / Chief R&D Officer / Technischer Direktor /
Directeur Technique / Director Técnico / Diretor Técnico /
Dyrektor Techniczny / Technisch Directeur
(Special Proxy Holder)

Antonio Milici

Fascicolo tecnico a supporto / Supporting technical dossier / Unterstützung technische Dossier / Soutenir dossier technique / Apoyo expediente
técnico / Apoiar dossier técnico / Wspieranie dokumentacji technicznej / Ondersteunende technische dossier: 803BB-0120

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