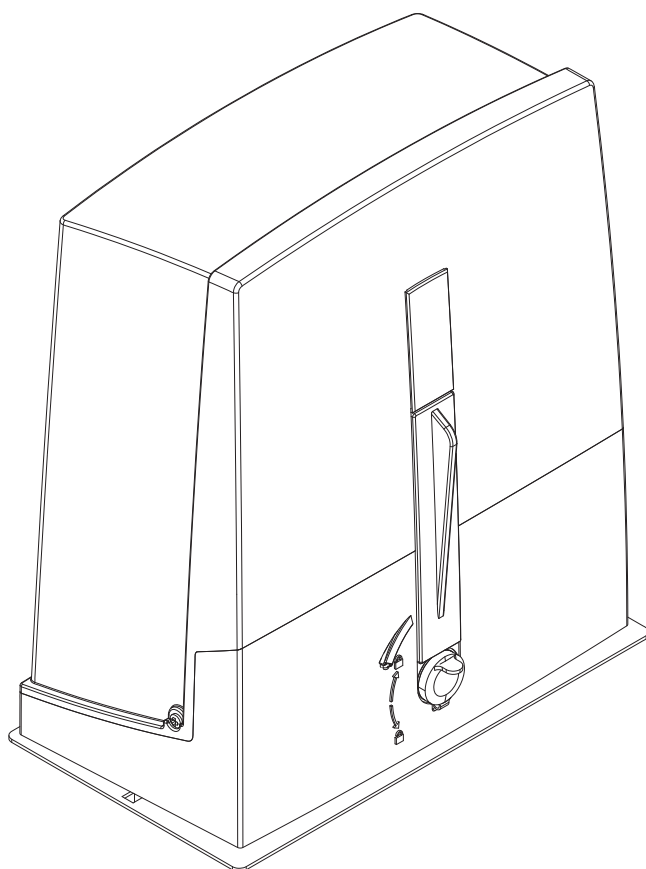


Sliding-gate operators

FA01947-EN

CE

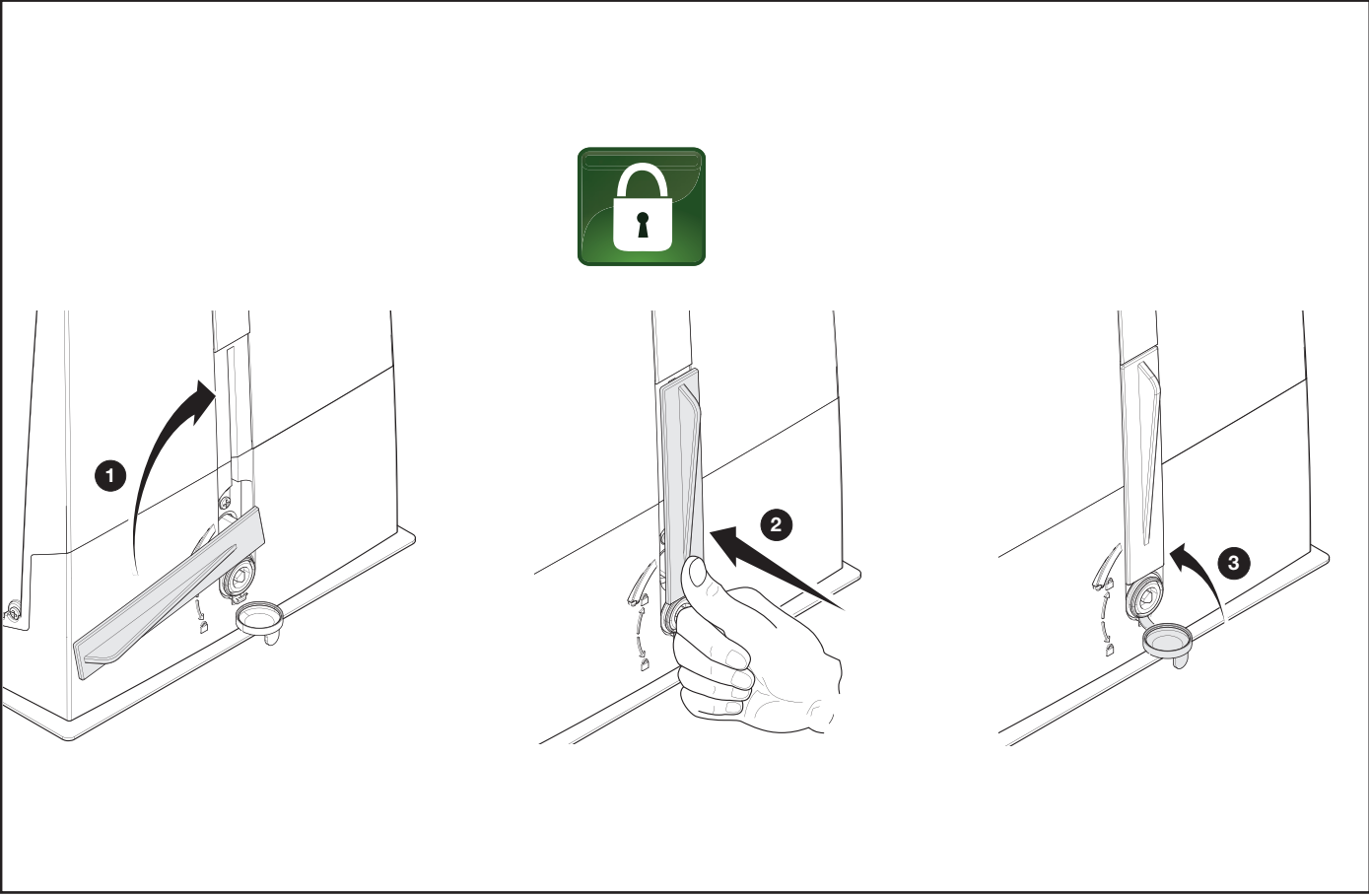
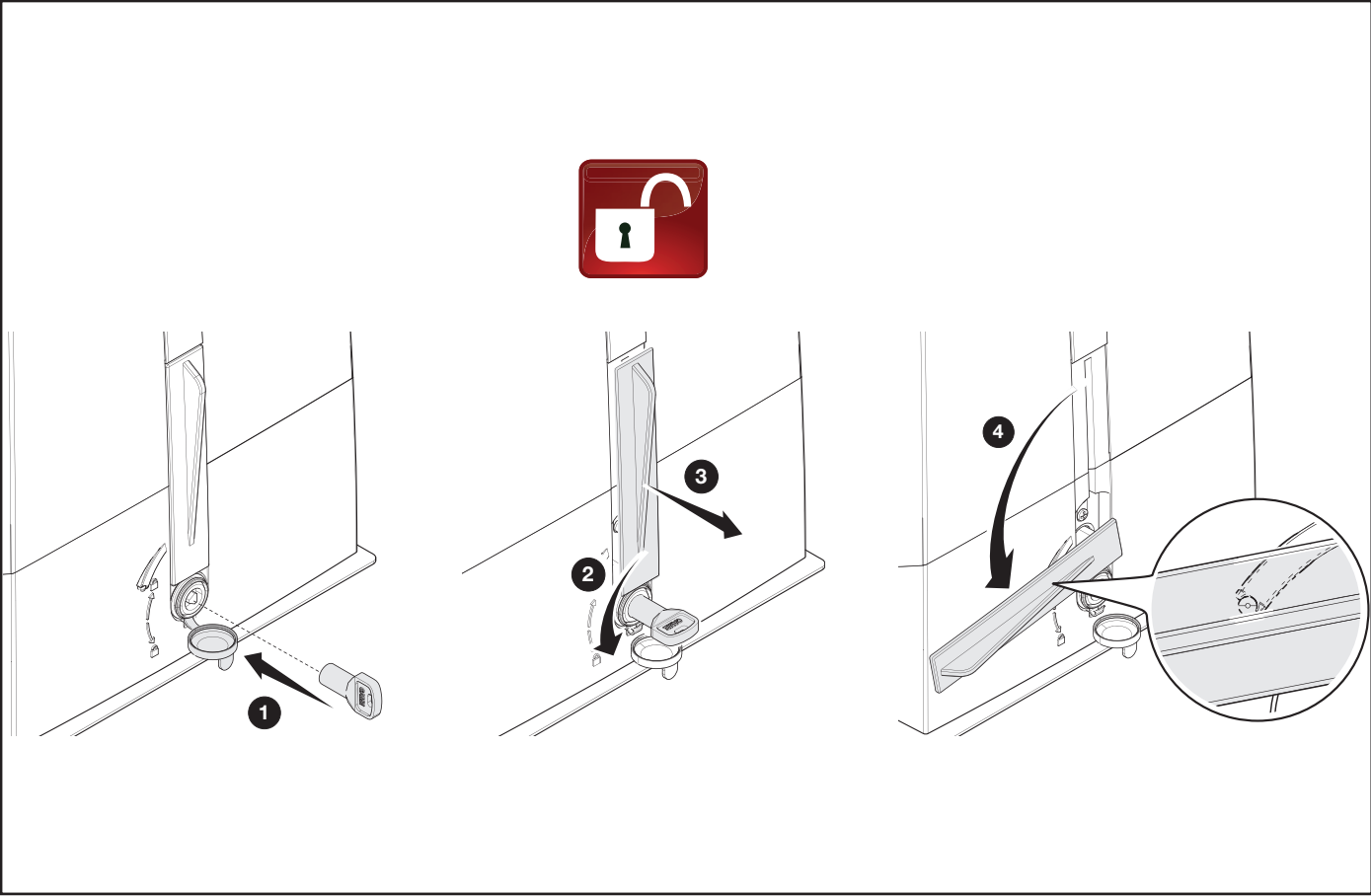
EAC



BXL04AGS

BXL04ALS

INSTALLATION MANUAL

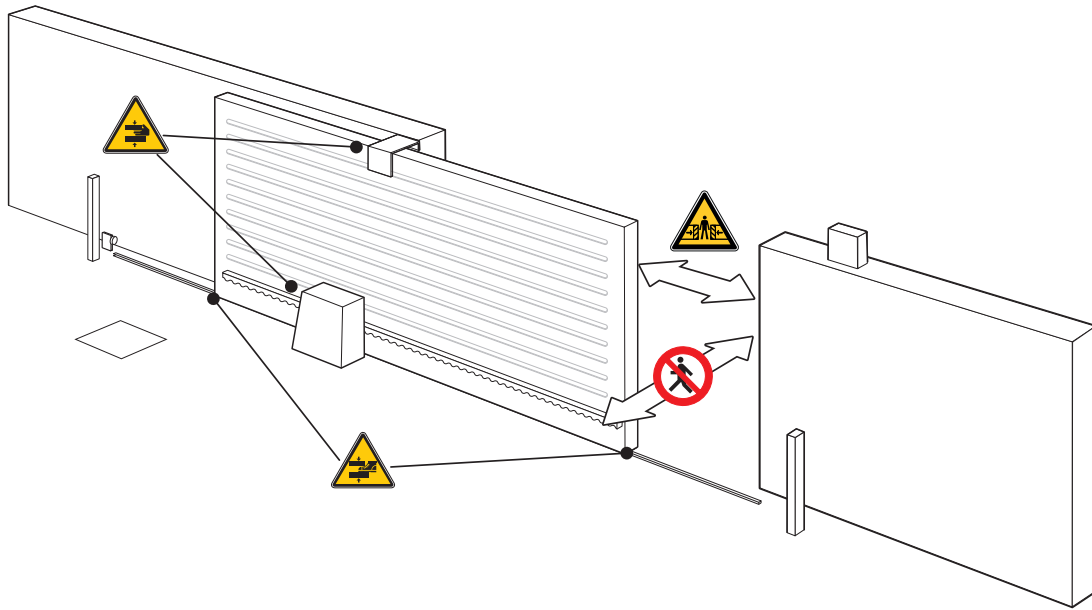



⚠ Important safety instructions.**⚠ Please follow all of these instructions. Improper installation may cause serious bodily harm.****⚠ Before continuing, please also read the general precautions for users.**

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.
- 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.
- 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.
- The electrical cables must not touch any parts that may overheat during use (such as the motor and transformer).
- Before installation, check that the guided part is in good mechanical condition, and that it opens and closes correctly.
- The product cannot be used to automate any guided part that includes a pedestrian gate, unless it can only be enabled when the pedestrian gate is secured.
- Make sure that nobody can become trapped between the guided and fixed parts, when the guided part is set in motion.
- Use additional protection to prevent your fingers from being crushed between the pinion and rack.
- 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 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 support service, 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.
- The product, in its original packaging supplied by the manufacturer, must only be transported in a closed environment (railway carriage, containers, closed vehicles).
- If the product malfunctions, stop using it and contact customer services at <https://www.came.com/global/en/contact-us> or via the telephone number on the website.
- The manufacture date is provided in the production batch printed on the product label. If necessary, contact us at <https://www.came.com/global/en/contact-us>.
- The general conditions of sale are given in the official CAME price lists.


Main points of danger for people




 No transiting while the barrier is moving.

 Risk of entrapment.

 Risk of trapping hands.

 Risk of trapping feet.

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. Please 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.

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

801MS-0140


BXL04AGS - Operator with 24 V motor, featuring a control board with DIP switch settings, on-board radio decoding, movement and obstruction detecting device for sliding gates weighing up to 400 kg that are up to 10 m long. RAL7024 grey cover.

801MS-0141

BXL04ALS - Operator with 24 V motor, featuring a control board with DIP switch settings, on-board radio decoding, movement and obstruction detecting device for gates weighing up to 400 kg that are up to 10 m long. RAL7040 grey cover.

Intended use

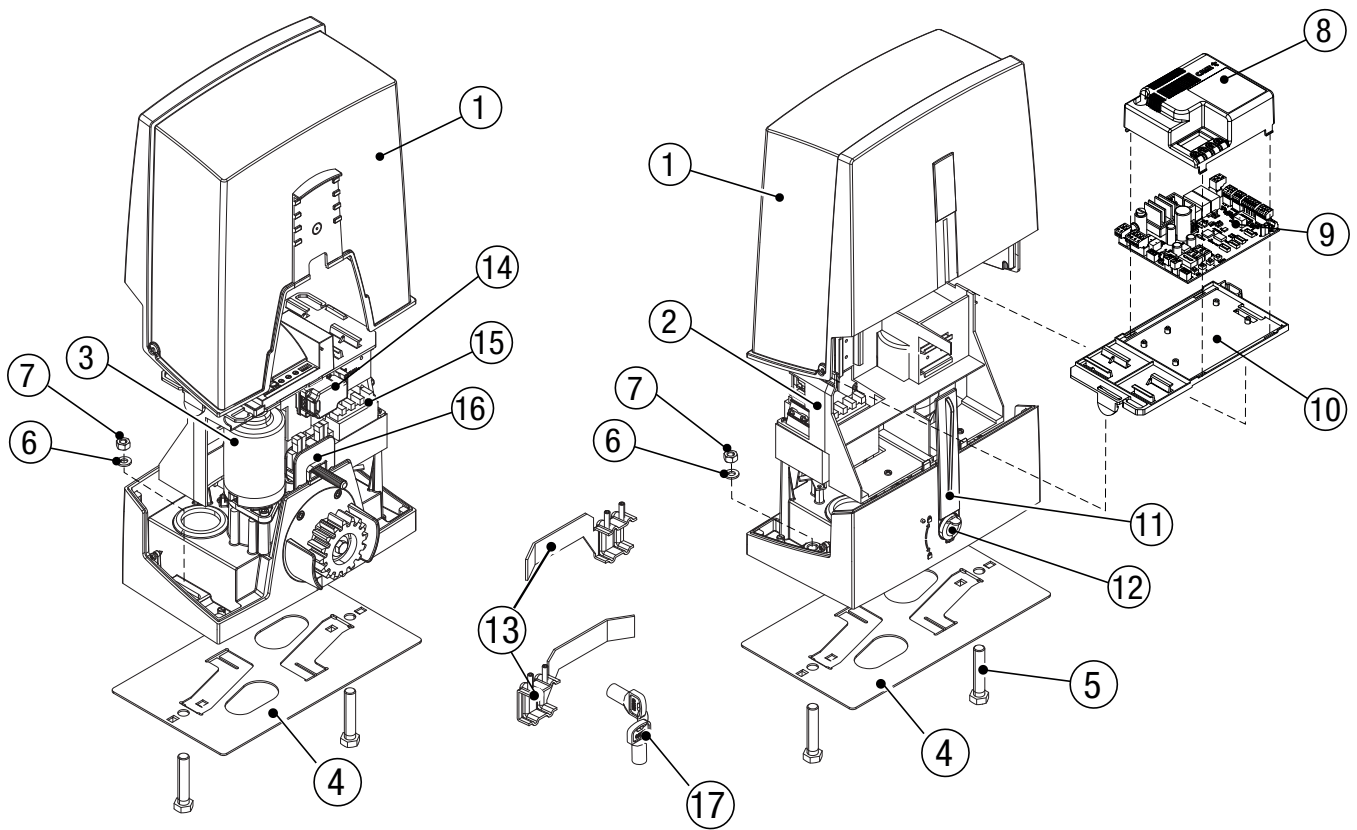
Sliding gate solution for residential buildings and apartment blocks

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

Description of parts

Operator

- ❶ Cover
- ❷ Board-holder support
- ❸ Gearmotor
- ❹ Anchoring plate
- ❺ Screws UNI5739 12X60
- ❻ Washer Ø 12
- ❼ Nut UNI5588 M12
- ❽ Board protection cover
- ❾ Control board
- ❿ Control board holder
- ⓫ Release lever
- ⓬ Lock
- ⓭ Mechanical limit-switch tabs
- ⓮ EMC02 control board
- ⓯ Transformer
- ⓰ Mechanical limit switch
- ⓱ Release key



Control board

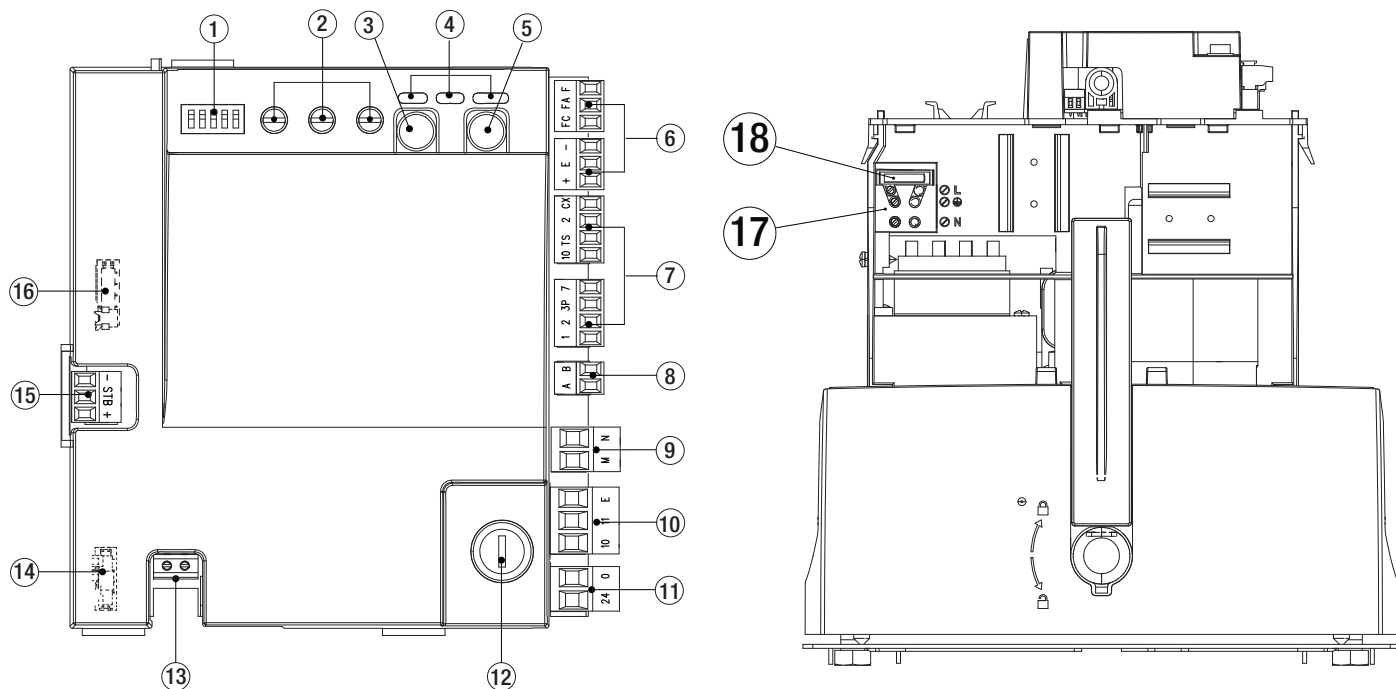
⚠ Before working on the control panel, disconnect the mains power supply and remove the batteries, if any.

📖 Use DIP switches to set functions and the trimmer for adjustments.

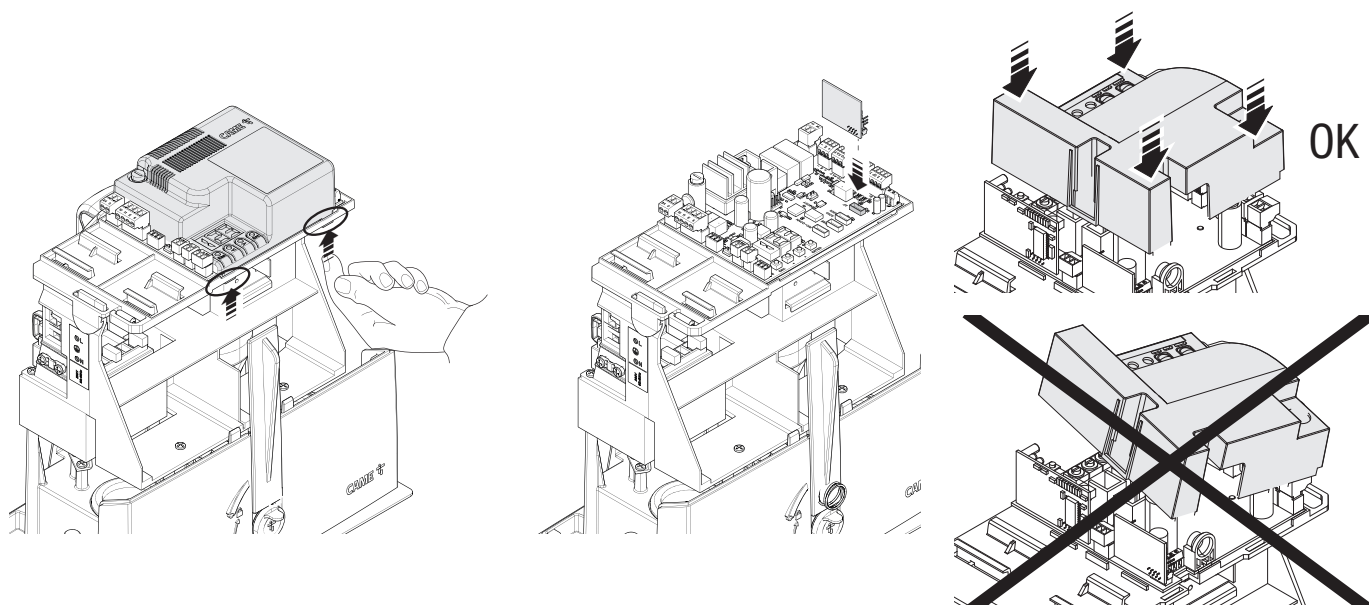
📖 All connections are protected by quick fuses.

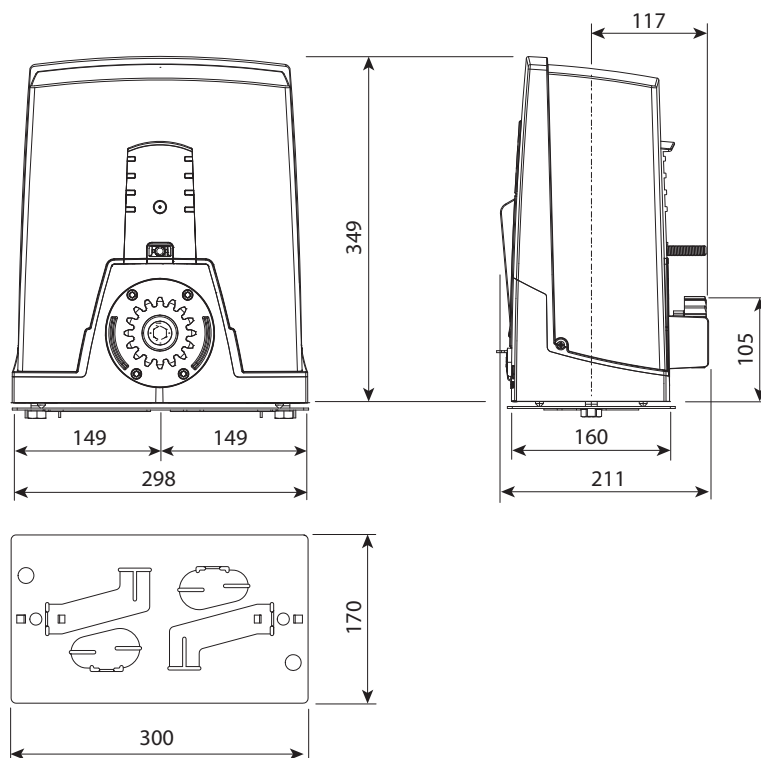
⚠ For the system to work properly, before fitting any plug-in card, DISCONNECT THE MAIN POWER SUPPLY and remove any batteries.

- | | |
|--|--|
| <ul style="list-style-type: none"> ❶ DIP switches ❷ Trimmer ❸ Button for programming ❹ Alert LED ❺ Control button ❻ Terminal board for encoders and limit switches ❼ Terminal board for connecting control and safety devices ❽ Terminal board for connecting the keypad selector ❾ Terminal board for connecting the gearmotor | <ul style="list-style-type: none"> ❿ Terminal board for powering accessories ⓫ Terminal board for powering the control board ⓬ Fuse for accessories and control board ⓭ Terminal board for connecting the antenna ⓮ Connector for plug-in radio frequency card (AF) ⓯ Terminal board for Green Power module ⓰ Component for R800 card ⓱ Power supply terminal board ⓲ Line fuse |
|--|--|



📖 Remove the card cover before inserting the cards into the connectors.





Usage limitations

MODELS	BXL04AGS	BXL04ALS
Maximum gate-leaf length (m)	10	10
Maximum gate-leaf weight (kg)	400	400

Fuse table

MODELS	BXL04AGS	BXL04ALS
Line fuse	1.6 A-F	-
Accessory fuse	2 A-F	-

Technical data

MODELS	BXL04AGS	BXL04ALS
Power supply (V - 50/60 Hz)	230 AC	230 AC
Motor power supply (V)	24 DC	24 DC
Standby consumption (W)	5,5	5,5
Power (W)	170	170
Maximum current draw (A)	7	7
Colour	RAL 7024	RAL 7024
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Thrust (N)	350	350
Manoeuvring speed (m/min)	12	12
Duty cycle	50	50
Pinion module	4	4
Protection rating (IP)	44	44
Insulation class	I	-
Weight (kg)	7,7	-
Storage temperature (°C) *	-20 ÷ +70	-
Average life (hours) **	120000	-

(*) Before installing the product, keep it at room temperature where it has previously been stored or transported at a very high or very low temperature.


(**) The average product life is a purely indicative estimate. It applies to compliant usage, installation and maintenance conditions. It is also influenced by other factors, such as climatic and environmental conditions.

Cable types and minimum thicknesses

Cable length (m)	up to 20	from 20 to 30
Power supply 230 V AC	3G x 1.5 mm ²	3G x 2.5 mm ²
24 V AC/DC flashing beacon	2 x 0.5 mm ²	2 x 0.5 mm ²
TX Photocells	2 x 0.5 mm ²	2 x 0.5 mm ²
RX photocells	2 x 0.5 mm ²	2 x 0.5 mm ²
Command and control devices	* no. x 0.5 mm ²	* no. x 0.5 mm ²


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

 When operating at 230 V and outdoors, use H05RN-F cables compliant with 60245 IEC 57 (IEC); when indoors, use H05VV-F cables compliant with 60227 IEC 53 (IEC). For power supplies up to 48 V, use FROR 20-22 II cables compliant with standard EN 50267-2-1 (CEI).

 To connect the antenna, use RG58 cable (up to 5 m).


 For paired connection and CRP, use UTP CAT5 cable (up to 1,000 m).

 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.

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.

 The drawings show an operator fitted on the left.

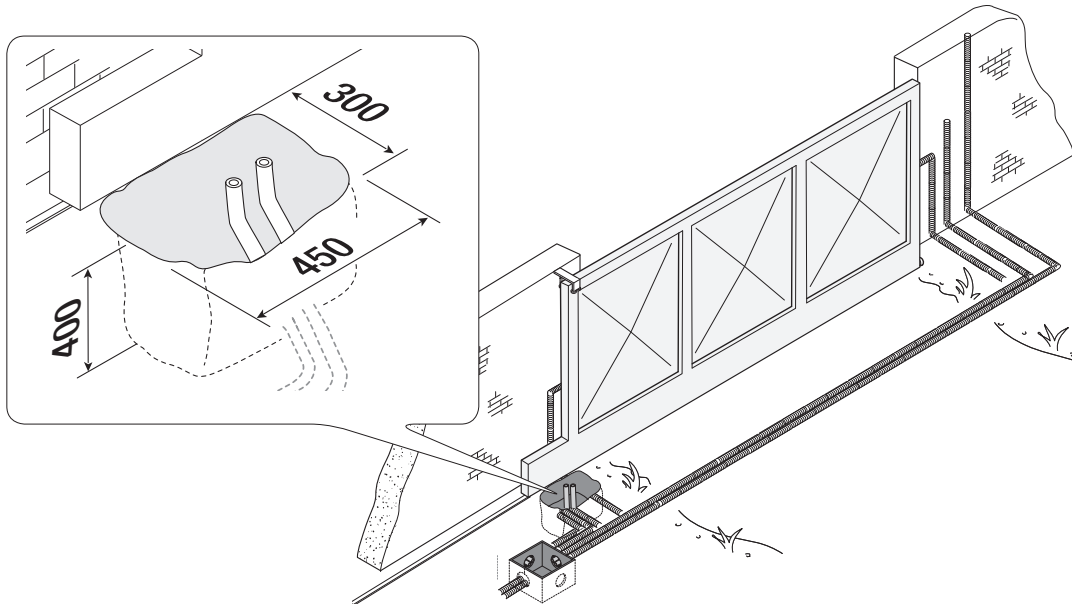
Preliminary operations

Dig a hole for the foundation frame.

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

 Use \varnothing 40 mm corrugated tubes to connect the gearmotor to the accessories.

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



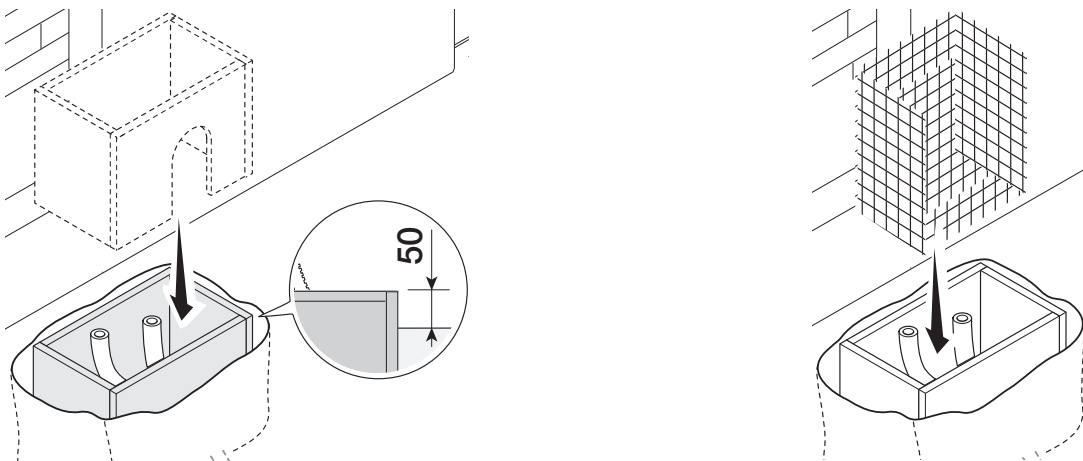
Laying the anchoring plate

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


Insert the foundation frame into the dug hole.

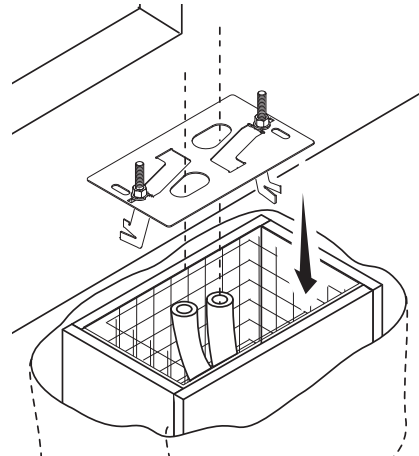
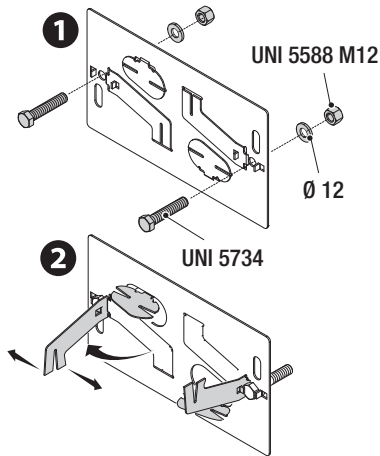
 The foundation frame must protrude by 50 mm, above ground level.

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



Insert the screws supplied in the anchoring plate.
 Lock the screws in place with the nuts supplied.
 Remove the pre-shaped clamps using a screwdriver.
 Fit the anchoring plate in the iron cage.

 The tubes must pass through the existing holes.



Position the anchoring plate, taking note of the measurements shown in the drawing.

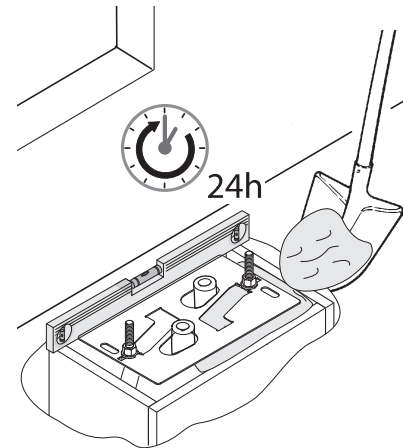
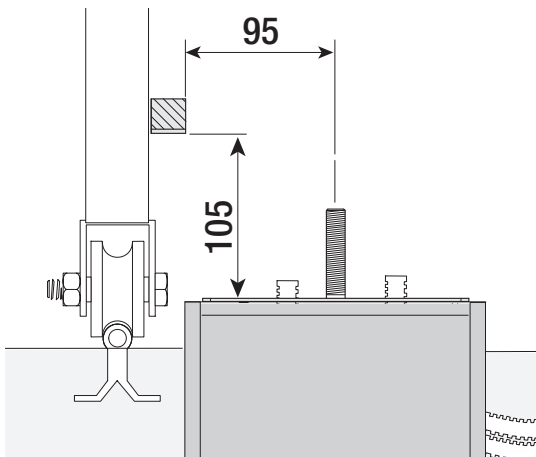
 If the gate does not have a rack, proceed with the installation.

 See the section "FASTENING THE RACK".

Cast cement into the foundation frame.

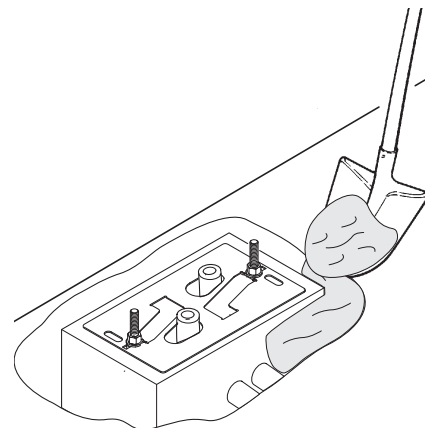
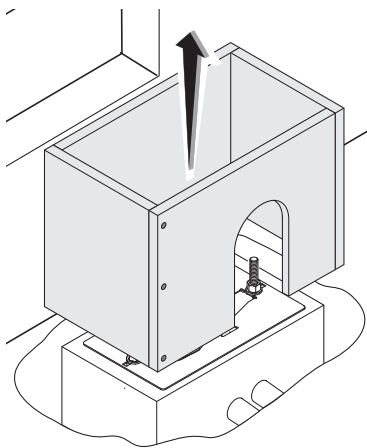
 The plate must be perfectly level and the screw threads completely above surface.

Wait at least 24 hours for the cement to dry.

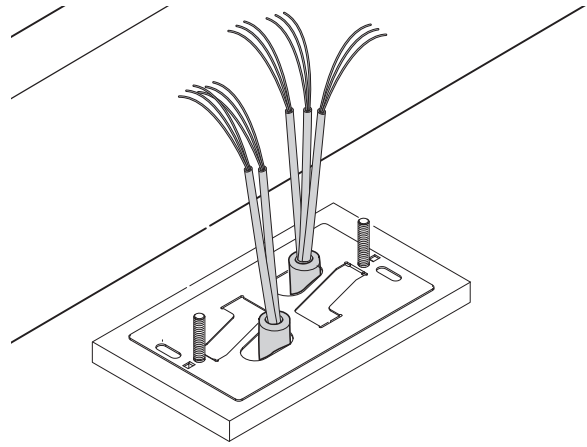
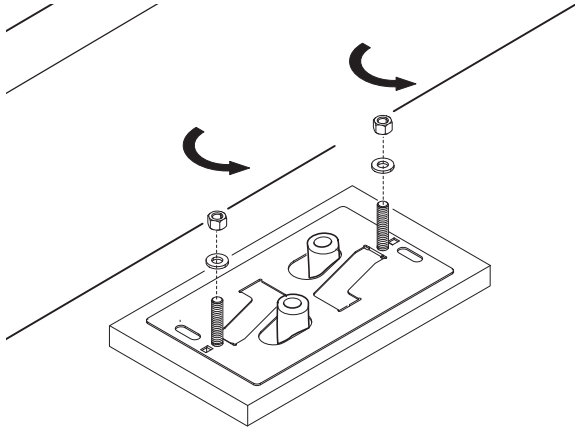


Remove the foundation frame.

Fill the hole with soil around the concrete block.




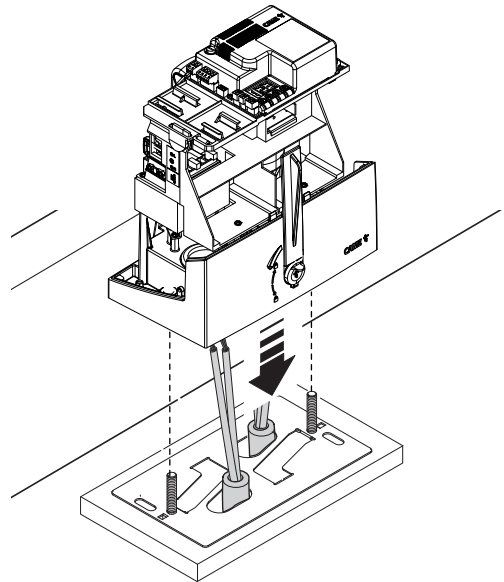
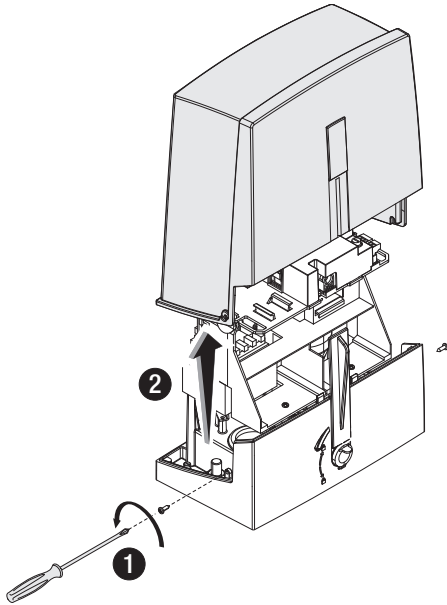
Remove the nuts from the screws.
 Insert the electrical cables into the tubes until they protrude by about 600 mm.



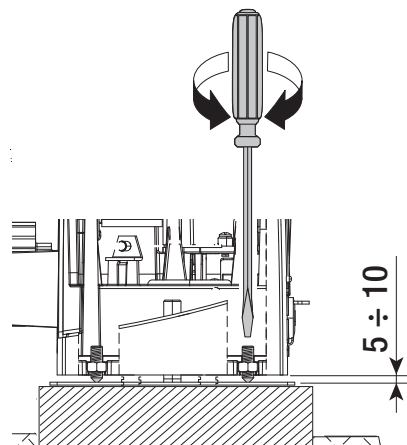
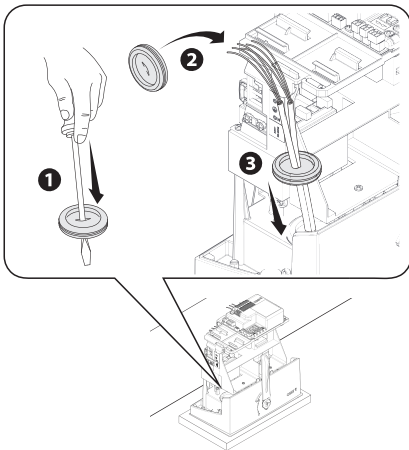
Setting up the operator

Remove the operator cover.
 Place the operator on top of the anchoring plate.

 The electrical cables must pass under the operator foundation frame



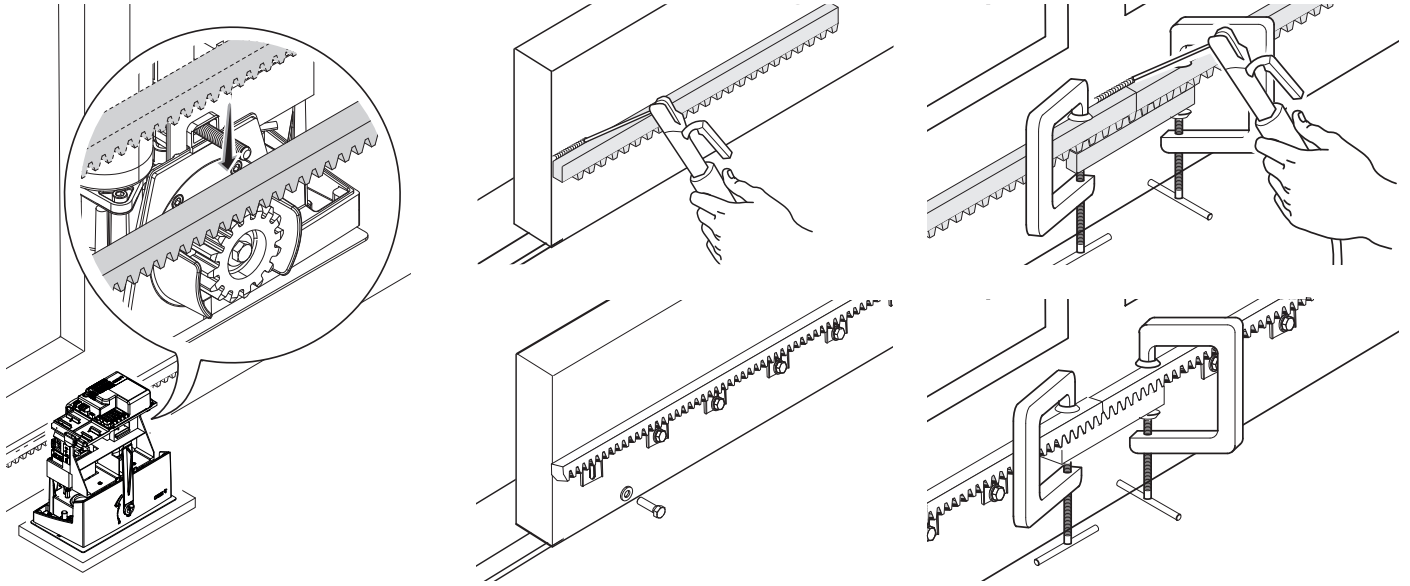
Make a hole in the cable gland.
 Thread the cables through the cable gland.
 Lift the operator by 5-10 mm from the plate by adjusting the threaded feet, to allow for any adjustments that may need to be made between the rack and pinion.



Fastening the rack

- 1 Release the operator.
- 2 Rest the rack on the pinion.
- 3 Weld or fasten the rack to the gate along its entire length.

 To assemble the rack modules, use an extra piece and rest it under the joint, then fasten it in place using two clamps.

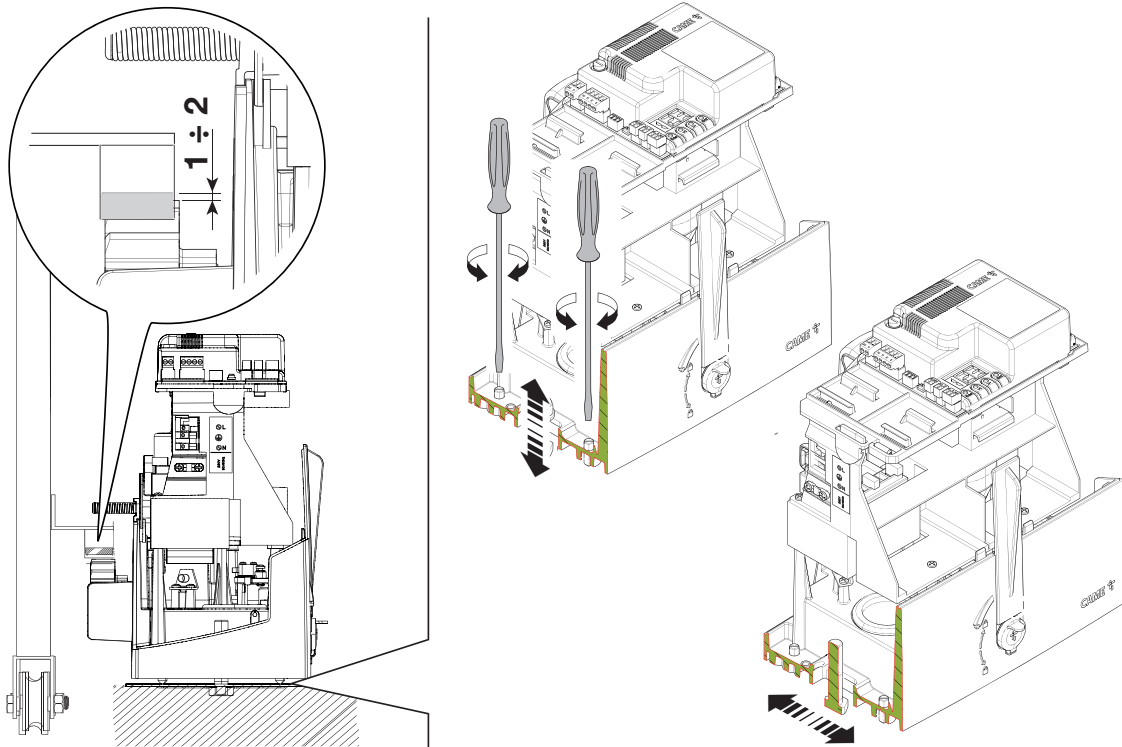


Adjusting the pinion-rack coupling


Open and close the gate manually.

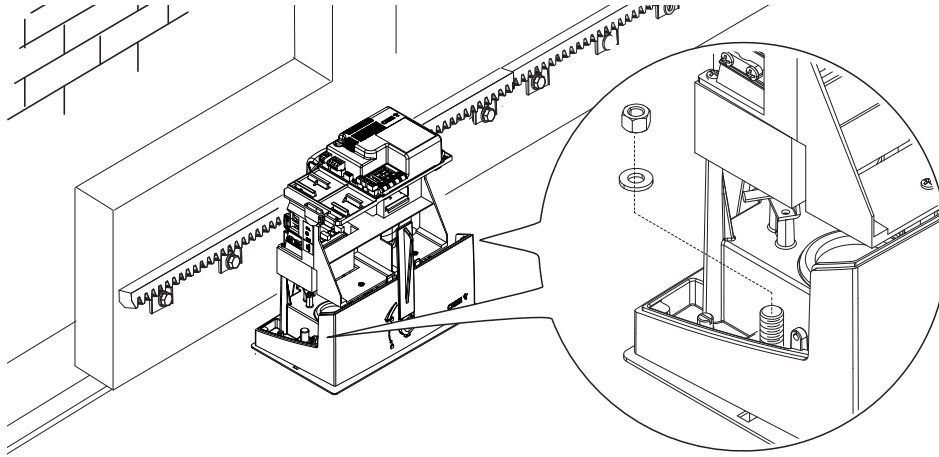
Adjust the pinion-rack coupling distance using the threaded feet (vertical adjustment) and the holes (horizontal adjustment).

 The weight of the gate must not bear down upon the operator.



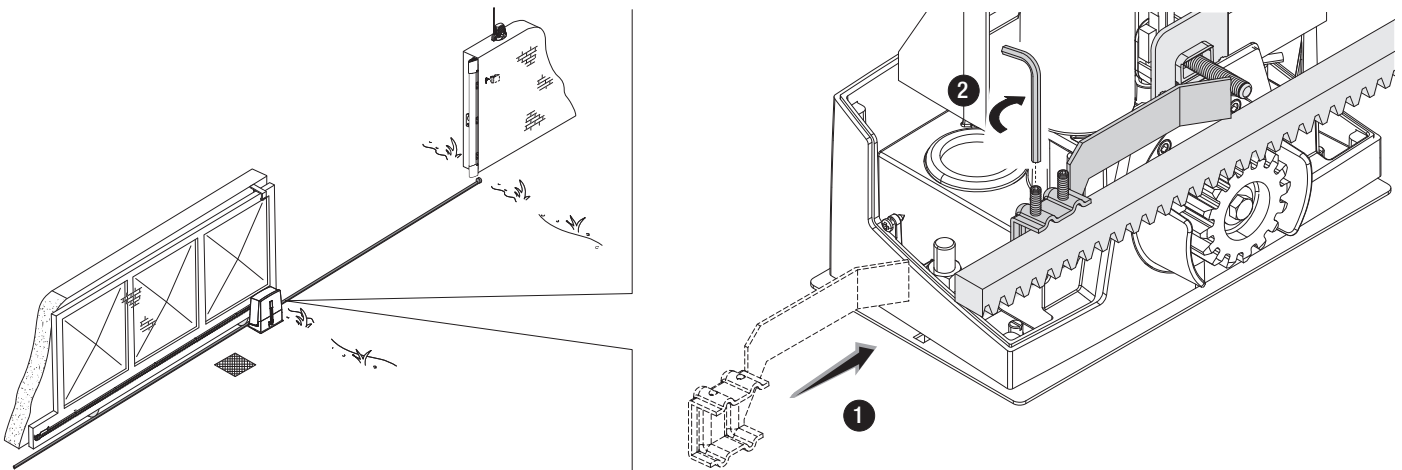
Fastening the operator in place

 Only fasten the operator after adjusting the pinion-rack coupling.
Fasten the operator to the anchoring plate using stoppers and nuts.

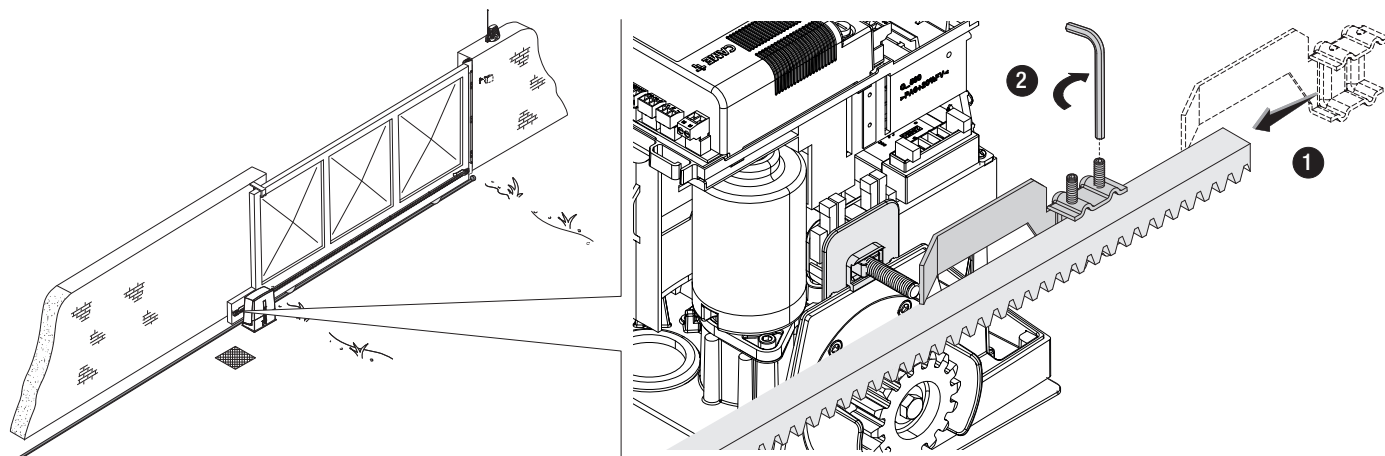


Determining the travel end points with mechanical limit switches

- 1 Open the gate.
- 2 Insert the opening limit-switch tab in the rack.
The spring must trigger the microswitch.
- 3 Fasten the opening limit-switch tab using the grub screws supplied.



- 4 Close the gate.
- 5 Insert the closing limit-switch tab in the rack.
The spring must trigger the microswitch.
- 6 Fasten the closing limit-switch tab using the grub screws supplied.

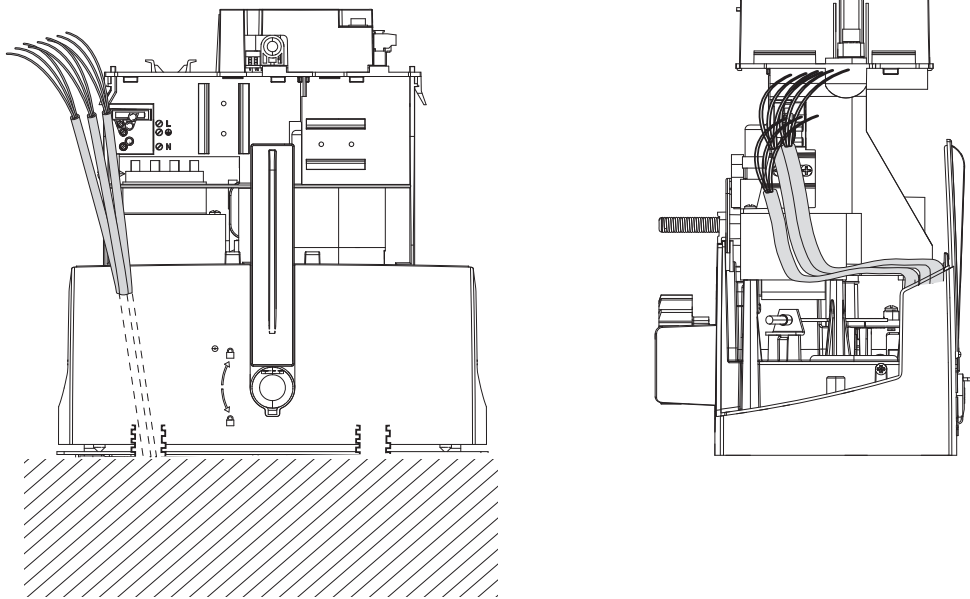


Passing the electrical cables

📖 Connect all wires and cables in compliance with the law.

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

📖 Use cable glands to connect the devices to the control panel. One of these must be used exclusively for the power supply cable.

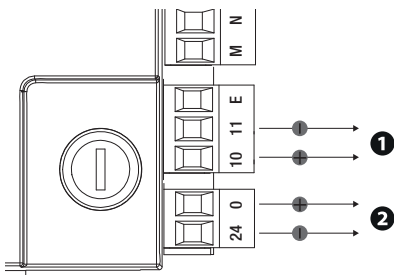
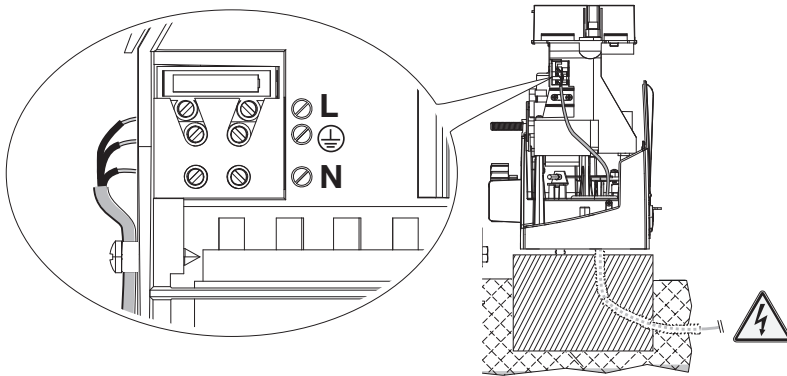


Power supply

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 mains (230 V AC - 50/60 Hz)

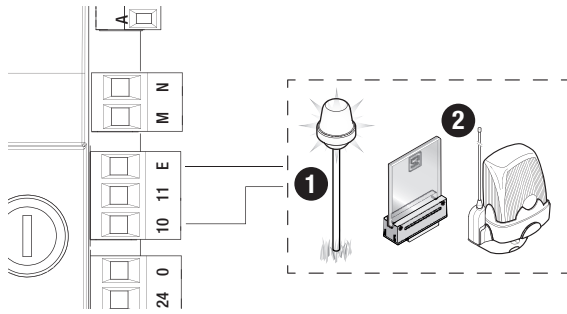


❶ Power supply output for accessories

The output normally delivers 24 V AC/DC.

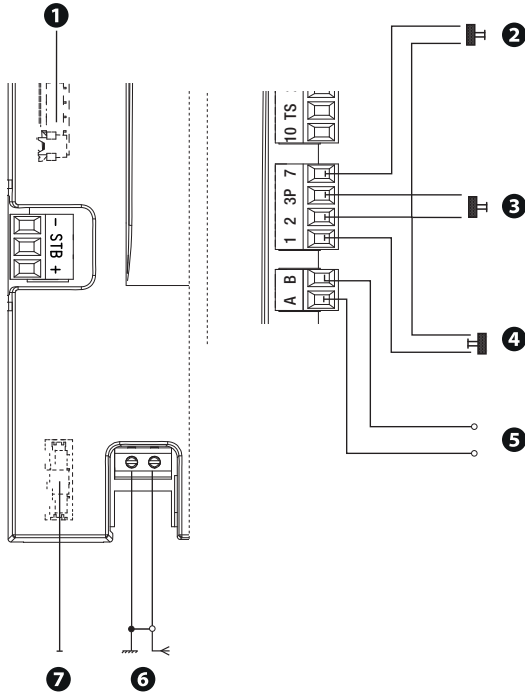
📖 The sum of the power draw for the connected accessories must not exceed 20 W.

❷ Power supply output for control board



- ❶ Additional light
It increases the light in the manoeuvring area.
- ❷ Flashing beacon
It flashes when the operator opens and closes.

Command and control devices



- ❶ Component for R800 card
- ❷ **Control device (NO contact)**
OPEN-CLOSE-INVERT function from control device (NO contact).
Alternatively, when programming, you can activate the OPEN-STOP-CLOSE-STOP function.
- ❸ **Control device (NO contact)**
PARTIAL OPENING function from command device (NO contact).
- ❹ **STOP button (NC contact)**
Stop the gate and exclude automatic closing. Use a control device to resume movement.
- 📖 If the contact is not used, it must be deactivated during programming.
- ❺ **Keypad selector**
- ❻ **Antenna with RG58 cable**
- ❼ **Connector for plug-in radio frequency card (AF)**

Maximum capacity of contacts

Device	Output	Power supply (V)	Power (W)
Accessories	10 - 11	24	20
Additional light	10 - E	24	25
Flashing beacon	10 - E	24	25

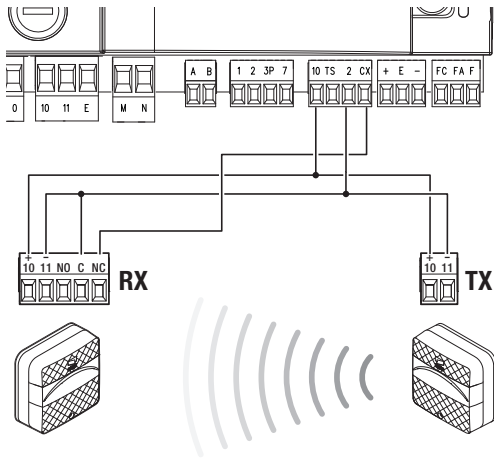
Safety devices

Connect the safety devices to the CX input (NC contact).

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

DELTA photocells

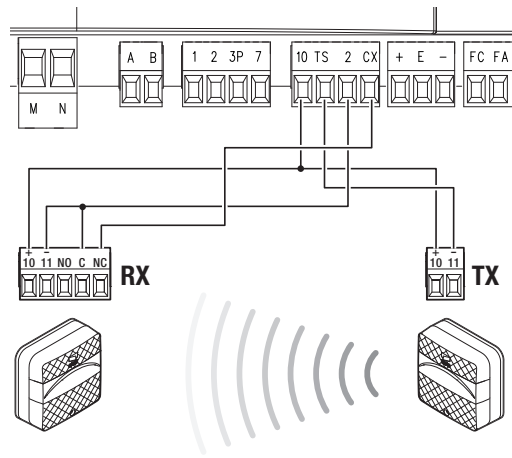
Standard connection



DELTA photocells

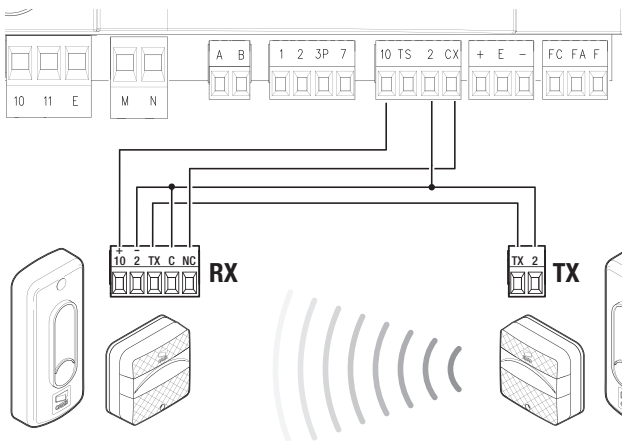
Connection with safety test

See services test function



DIR / DELTA-S photocells

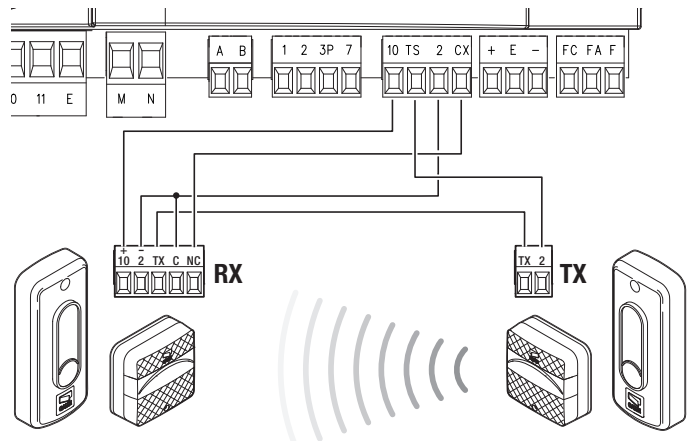
Standard connection



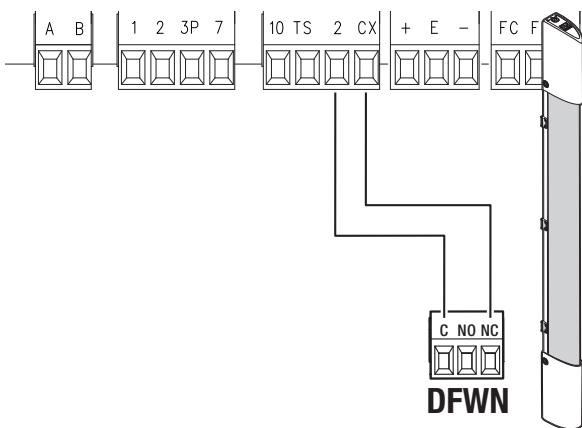
DIR / DELTA-S photocells

See services test function

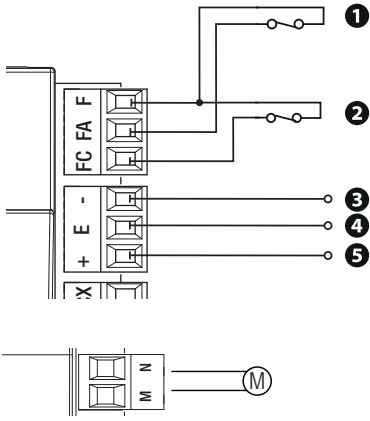
Connection with safety test



DFWN sensitive edge



Connecting the gearmotor with encoder and limit switches



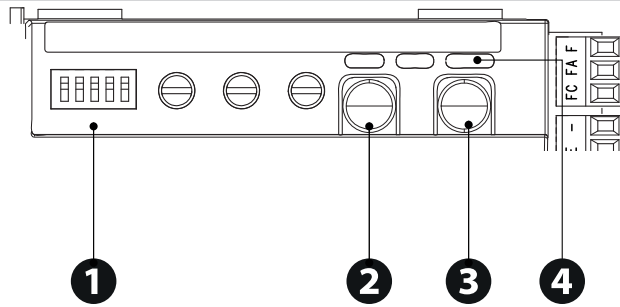
- ❶ Opening limit-switch (NC contact)
- ❷ Closing limit-switch (NC contact)

Encoder

- ❸ Green cable
- ❹ Brown cable
- ❺ White cable

24 V DC gearmotor

Programming functions

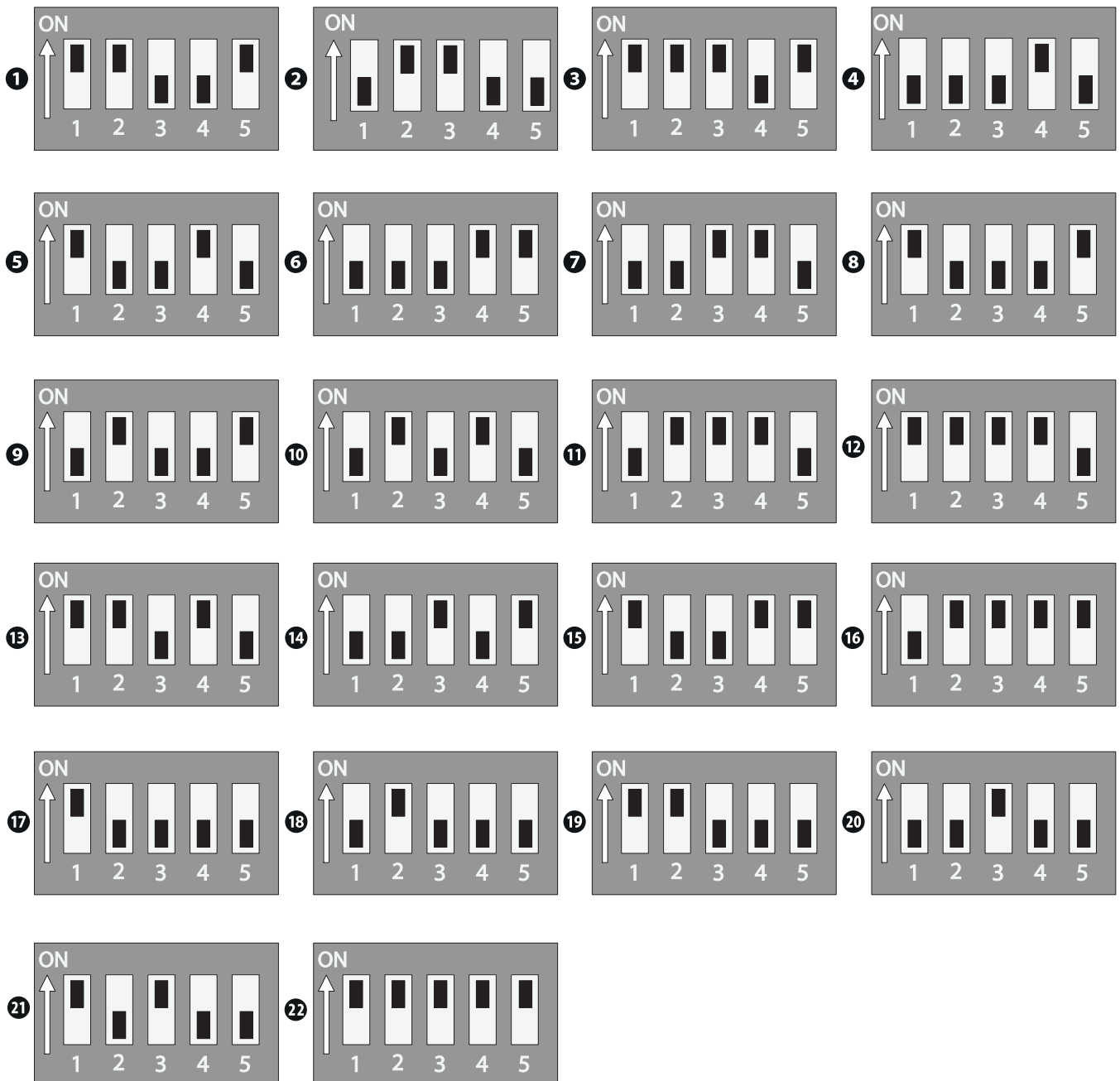


- ❶ DIP switches
- ❷ P1 button
- ❸ Control button
- ❹ Red LED (PRG)

📖 Run programming following the function order as shown below.

📖 The operator must be stationary during programming.

📖 When programming is finished, set all DIP switches to OFF.



1 Opening direction

The operator is default configured to open towards the left. To configure opening to the right, select the DIP switches as shown and press P1.

The LED will remain on and the buzzer will sound for 1 second.

To return to the default configuration, press P1 again.

The LED will flash and the buzzer will sound twice.

2 Button-activated total stop (contact 1-2)

The function is enabled by default. To disable it, select the DIP switches as shown and press P1.

The LED will flash and the buzzer will sound twice.

To return to the default setting, press P1 again.

The LED will remain on and the buzzer will sound for 1 second.

3 Gate travel self-learning

Select the DIP switches as shown and press P1. The gate will perform a series of manoeuvres to determine the end-of-travel and slowdown points.

During the manoeuvre, the LED will flash. Once calibration is complete, the buzzer will sound for 1 second.

If calibration was not successful, the LED will flash quickly and the buzzer will sound 4 times.

To interrupt travel self-learning, press P1.

4 Input on contact 2-CX

The function is disabled by default. To enable it, select the DIP switches as shown and press P1.

The LED will remain on and the buzzer will sound for 1 second.

To return to the default setting, press P1 again.

The LED will flash and the buzzer will sound twice.

5 Reopening during closing or obstacle standby

The operator is default configured to reopen during closing. To configure obstacle standby, select the DIP switches as shown and press P1.

The LED will remain on and the buzzer will sound for 1 second.

To return to the default configuration, press P1 again.

The LED will flash and the buzzer will sound twice.

6 Partial gate travel self-learning

Press the control button to move the operator to the desired partial opening position.

Select the DIP switches as shown and press P1.

The LED will remain on and the buzzer will sound for 1 second.

To return to the default configuration, press P1 again.

The LED will flash and the buzzer will sound twice.

 If partial opening exceeds the set travel end points, the LED will flash quickly and the buzzer will sound 4 times.

7 Button-activated OPEN-CLOSE-INVERT or OPEN-STOP-CLOSE-STOP (contact 2-7)

The function is default set to OPEN-CLOSE-INVERT. To set OPEN-STOP-CLOSE-STOP, select the DIP switches as shown and press P1.

The LED will remain on and the buzzer will sound for 1 second.

To return to the default setting, press P1 again.

The LED will flash and the buzzer will sound twice.

8 Automatic closure


The function is disabled by default.

To enable the function, select the DIP switches as shown and press P1.

The LED will remain on and the buzzer will sound for 1 second.

To return to the default setting, press P1 again.

The LED will flash and the buzzer will sound twice.

 The wait time before closing can be adjusted using the A.C.T. trimmer, and starts when the opening travel end point is reached.

 Automatic closing does not activate, including where enabled, if the safety devices detect an obstacle, after a total stop or if there is no power.

10 Services test

The function is disabled by default. To enable it, select the DIP switches as shown and press P1.

The LED will remain on and the buzzer will sound for 1 second.

To return to the default setting, press P1 again.

The LED will flash and the buzzer will sound twice.

11 Obstruction detection with motor idle

The function is disabled by default. To enable it, select the DIP switches as shown and press P1.

The LED will remain on and the buzzer will sound for 1 second.

To return to the default setting, press P1 again.

The LED will flash and the buzzer will sound twice.

12 Encoder

The function is enabled by default. To disable it, select the DIP switches as shown and press P1.

The LED will flash and the buzzer will sound twice.

To return to the default setting, press P1 again.

The LED will remain on and the buzzer will sound for 1 second.

13 Hold-to-run

The function is disabled by default. To enable it, select the DIP switches as shown and press P1.

The LED will remain on and the buzzer will sound for 1 second.

To return to the default setting, press P1 again.

The LED will flash and the buzzer will sound twice.

⚠ To open and close the gate, press and hold the opening button (button connected on 2-3P – NO contact) or the closing button (button connected on 2-7 – NO contact).

⚠ The hold-to-run command excludes all other control devices, including radio devices.

14 Pre-flashing

The function is disabled by default. To enable it, select the DIP switches as shown and press P1.

The LED will remain on and the buzzer will sound for 1 second.

To return to the default setting, press P1 again.

The LED will flash and the buzzer will sound twice.

15 Adjusting the manoeuvre speed

The default manoeuvring speed is set to 100%. To reduce the speed to 60%, select the DIP switches as shown and press P1.

The LED will remain on and the buzzer will sound for 1 second.

To return to the default setting, press P1 again.

The LED will flash and the buzzer will sound twice.

16 Storing the trimmer value

Use this function to adjust the automatic closing wait time (A.C.T.), slowdown speed (SPRAL.) and sensitivity (SENS.) using the trimmers.

To store the values, select the DIP switches as shown and press P1.

The LED will remain on and the buzzer will sound for 1 second.

⚠ Store the adjustments made using the trimmers so as not to lose the data.

17 Transmitter-activated partial opening

📖 Up to 25 transmitters (users) can be stored.

Select the DIP switches as shown and press P1. The LED will flash.

Press the button on the transmitter you want to store as partial within 10 seconds.

The LED will light up and the buzzer will sound for 1 second.

⚠ If the transmitter has already been stored, the LED will flash quickly and the buzzer will sound 4 times.

18 Transmitter-activated open only

📖 Up to 25 transmitters (users) can be stored.

Select the DIP switches as shown and press P1. The LED will flash.

Press the button on the transmitter you want to store within 10 seconds.

The LED will light up and the buzzer will sound for 1 second.

⚠ If the transmitter has already been stored, the LED will flash quickly and the buzzer will sound 4 times.

19 Transmitter-activated OPEN-CLOSE-INVERT

📖 Up to 25 transmitters (users) can be stored.

Select the DIP switches as shown and press P1. The LED will flash.

Press the button on the transmitter you want to store within 10 seconds.

The LED will light up and the buzzer will sound for 1 second.

⚠ If the transmitter has already been stored, the LED will flash quickly and the buzzer will sound 4 times.

20 Transmitter-activated OPEN-STOP-CLOSE-STOP

📖 Up to 25 transmitters (users) can be stored.

Select the DIP switches as shown and press P1. The LED will flash.

Press the button on the transmitter you want to store within 10 seconds.

The LED will light up and the buzzer will sound for 1 second.

⚠ If the transmitter has already been stored, the LED will flash quickly and the buzzer will sound 4 times.

21 Deleting all users

Select the DIP switches as shown, and press and hold P1 for 5 seconds.

Once all users have been deleted, the LED will remain on and the buzzer will sound for 1 second.

The LED will flash and the buzzer will sound twice.

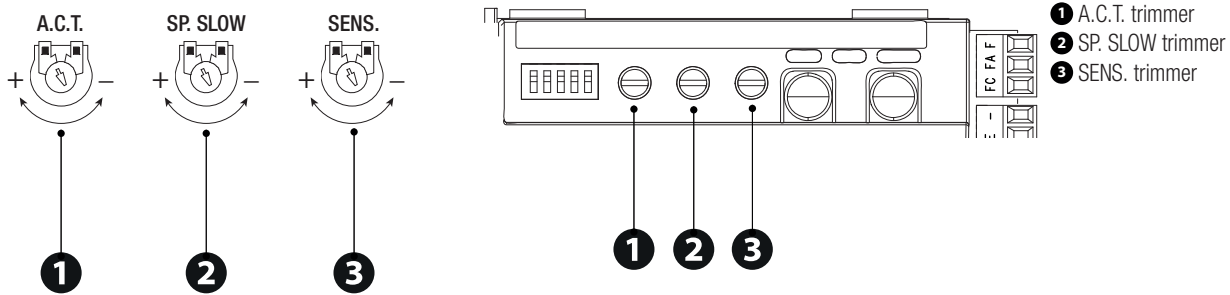
22 Resetting parameters

Select the DIP switches as shown and press P1.

The LED will flash and the buzzer will sound twice.

⚠ N.B. This function cancels all stored transmitters (users).

Adjusting the trimmers



A.C.T. trimmer

Use this trimmer to adjust the automatic closing wait time: from 1 to 120 seconds.

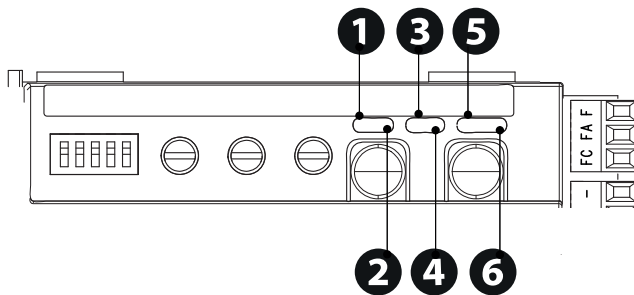
SP. SLOW trimmer

Use the trimmer to adjust the operator slowdown speed from 30% (-) to 60% (+) of the maximum manoeuvre speed.

SENS. trimmer

Use this trimmer to adjust the obstacle detection sensitivity during operator manoeuvres, from minimum sensitivity (-) to maximum sensitivity (+).

Alert LED



1 CX LED (yellow)

This LED signals that the contact 2-CX (NC) is open. The photocells have detected an obstacle.

2 LED 1 (yellow)

This LED signals that the contact 1-2 (NC) is open. A STOP command has been sent using a button.

3 LED 3P (yellow)

This LED signals that the contact 2-3P (NO) is closed. A partial opening command has been sent.

4 LED 7 (yellow)

This LED signals that the contact 2-7 (NO) is closed. A command has been sent.

5 PRG LED (red)

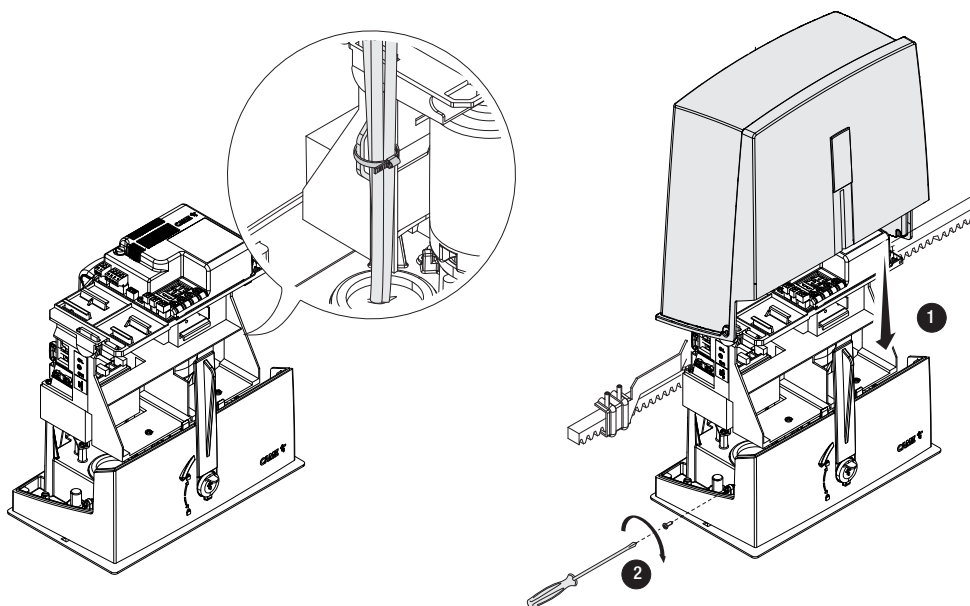
This LED signals the function programming phases, the automatic closing wait time and any errors or faults.

6 PWR LED (red)

This LED signals that there is a mains power supply to the board.

FINAL OPERATIONS

 Before closing up the casing, check that the cable inlets are sealed to stop insects getting in and to prevent damp.




MCBF		
Models	BXL04AGS	BXL04ALS
Length - Weight	10 m - 400 kg	10 m - 400 kg
MCBF	100000	100000
Installation in windy area (%)	-15 %	-15 %

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

 Before carrying out any cleaning or maintenance, or replacing any parts, disconnect the device from the power supply.

 This document informs the installer of the checks that must be carried out during maintenance.

 If the system is not used for long periods of time, e.g. for installations at sites with seasonal closures, disconnect the power supply. When the power supply is reconnected, check the system is working correctly.

 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.

 Every 10,000 cycles and, in any case, every 6 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.

Grease all of the moving mechanical parts.

Check the warning and safety devices are working properly.

Check for any wear on the moving mechanical parts and check that they are working properly.

Check the release mechanism is working efficiently by performing a manoeuvre with the leaf free. The gate leaf must not be obstructed.

Check the cables are intact and connected correctly.

Check and clean the track guide and rack.

CAME 

CAME.COM

CAME S.P.A.

Via Martiri della Libertà, 15

31030 Dosson di Casier

Treviso – Italy

Tel. (+39) 0422 4940

Fax (+39) 0422 4941