

AUTOMATION FOR STREET BARRIERS

GARD 4 SERIES



INSTALLATION MANUAL

G4040Z - G4040IZ

"IMPORTANT SAFETY INSTRUCTIONS FOR INSTALLATION"

"CAUTION: IMPROPER INSTALLATION MAY CAUSE SERIOUS DAMAGE, FOLLOW ALL INSTALLATION INSTRUCTIONS CAREFULLY" "THIS MANUAL IS ONLY FOR PROFESSIONAL INSTALLERS OR QUALIFIED PERSONS"

1 Legend



This symbol indicates sections to be read with particular care.



This symbol indicates sections concernig safety.

This symbol indicates notes to communicate to users.

2 Destination and limits of use

2.1 Destination

The GARD 4 automatic barrier was designed for use in private or public carparks, in residential areas or in highly trafficked areas.

The use of this product for purposes other than as described above and installation executed in a manner other than as instructed in this technical manual are prohibited.

2.2 Limits of use

Passage width of up to 3.75 meters with a 2- to 6-second aperture time.

3 Standard followed

Came Cancelli Automatici is ISO 9001:2000 and ISO 14001 Quality and Environmentally certified. Came entirely designs and manufactures its products in Italy.

The product in question compliant to the following legislation: see Declaration of Compliance.

4 Description

4.1 Gearmotor

GARD 4 was designed and manufactured by CAME CANCELLI AUTOMATICI S.p.A. and is compliant with safety regulations in force. Guaranteed 24 months if not tampered with.

The cabinet is made of 2.5 mm painted galvanized steel or 2 mm AISI 304 satin-finish stainless steel. Inside the cabinet, the electromechanical gearmotor operates with a container for electric board and transformer. Built with a anti-shearing safety system, it includes a safety contact in the inspection hatch lock and in the emergency release lock.

There are two versions of the GARD 4 model:

G4040Z - painted galvanized steel automatic barrier with a 24V DC gearmotor with control panel;

G4040IZ - satin-finish AISI 304 stainless steel automatic barrier with 24V DC gearmotor with control panel;

The GARD 4 automation system is supplied with the following accessories:

001 G03750 - L. 4m semioval aluminium bar, painted white, with slot cover and shock-resistant profile;

001 G03752 - L. 4m oval aluminium bar, painted white, with slot cover;

001 G03753 - Attachment flange for elyptical bar:

001 G02040 - Ø 40 (yellow) balancing spring;

001 G04060 - Ø 50 (green) balancing spring;

001 G06080 - Ø 55 (red) balancing spring:

002 LB38 - Board for the connection of three 12V-6Ah emergency batteries;

The following accessories are optional to the GARD 4 automation system:

001 G02801 - Flashing dome lamp;

001 G02802 - Support for mounting the photoelectric cell (DIR) onto the cabinet (not applicable to barriers with bar and rack and/or mobile foot):

001 G03751 - Emergency battery housing support;

001 G02803 - Luminous cord for movement signalling:

001 G02804 - Luminous cord connecting cable;

001 G02807 - Fixed barrier support;

001 G02808 - Mobile barrier support;

001 G02809 - Red reflector strips (package of 20);

001 G0465 - Painted aluminium rack in 2m modules;

Important! Check that the safety equipment and accessories are CAME originals; this is a guarantee that also makes the system easy to set up and upkeep.

4.2 Technical information

GEARMOTOR

Power supply: 230V A.C. 50/60Hz Motor power supply: 24V D.C. 50/60Hz Max. absorption: 1.3A (230V) / 15A (24V)

Rated power: 300W Max. torque: 600 Nm Reduction ratio: 1/202 Opening time: 2÷6 s

Operative intermittence: intensive operation

Protection level: IP54 Weight: 55 kg Insulation class: I

VIEW FROM THE BAR

SUPPORT BRACKET



4.3 Parts description

AUTOMATION UNIT

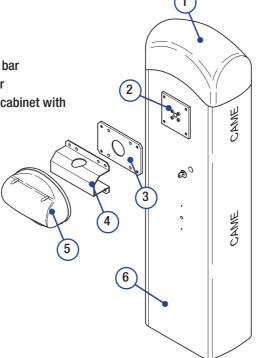
- 1) Upper dome
- 2) Bar beam plate
- 3) Bar fitting intermediate plate
- 4) Cover for semioval aluminium bar
- 5) Anti-shearing protection cover
- 6) Sheet-steel or stainless steel cabinet with

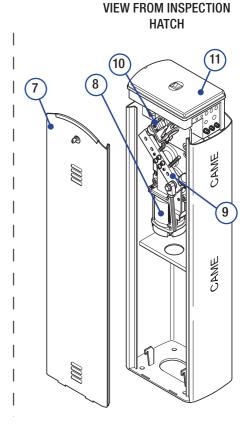
galvanized and painted finish

- 7) Inspection hatch
- 8) Gearmotor
- 9) Lever

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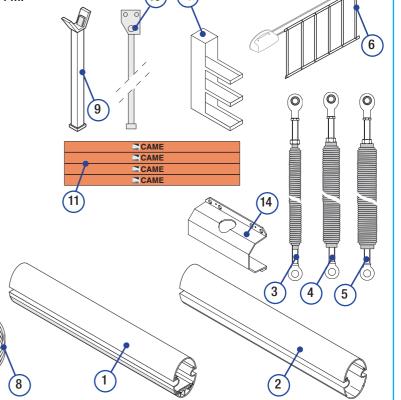
- 10) End stop unit
- 11) ZL38 Control panel





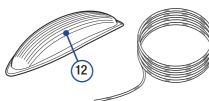
ACCESSORIES

- 1) G03750 Semioval aluminium bar, painted white L = 4 m.
- 2) G03752 Oval aluminium bar, painted white L = 4 m.
- 3) G02040 Ø40 (yellow) balancing spring
- 4) G04060 Ø50 (green) balancing spring
- 5) G06080 Ø55 (red) balancing spring
- 6) G0465 Rack
- 7) G02802 upport for DIR photoelectric cells
- 8) G02803 Luminous cord
- 9) G02807 Fixed barrier support
- 10) G02808 Mobile barrier support
- 11) G02809 Adhesive reflector strips
- 12) G02801 Flashing dome lamp
- 13) G03751 Emergency battery housing support
- 14) G03753 Attachment flange for elyptical bar

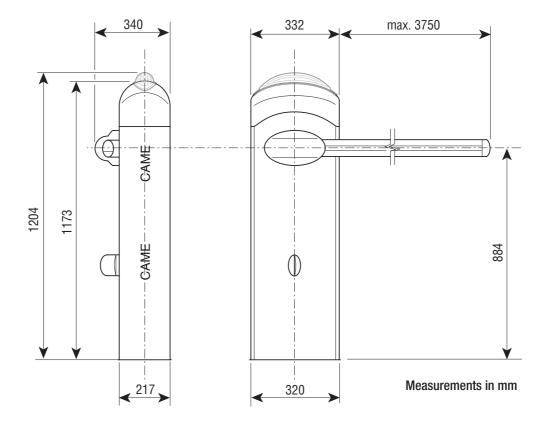








4.4 Size measurements



5 Installation



Installation must be carried out by expert qualified personnel and in full observance of regulations in force.

5.1 Preliminary checks

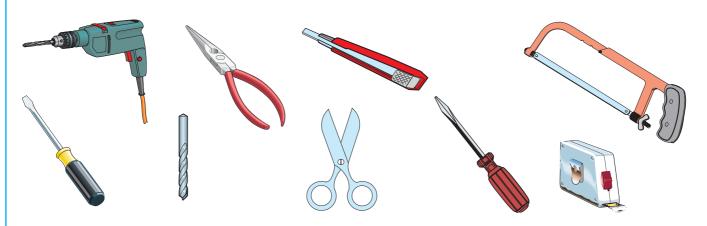


Before proceeding with the installation, it is necessary to:

- Make sure the area selected for the mounting of the base and for the unit itself presents no hazards;
- Provide for suitable omnipolar disconnection device with more than 3 mm between contacts to section power supply;
- Connections inside the case made for protection circuit continuity are allowed as long as they include additional insulation with respect to other internal drive parts;
- Install suitable tubes and ducts for electric cable passage to guarantee protection against mechanical damage;

5.2 Tools and materials

Make sure all tools and materials necessary are within reach to install the edge in maximum safety, according to regulations in force. The following figure illustrates the minimum equipment for the installer.



5.3 Cable list and minimun thickness

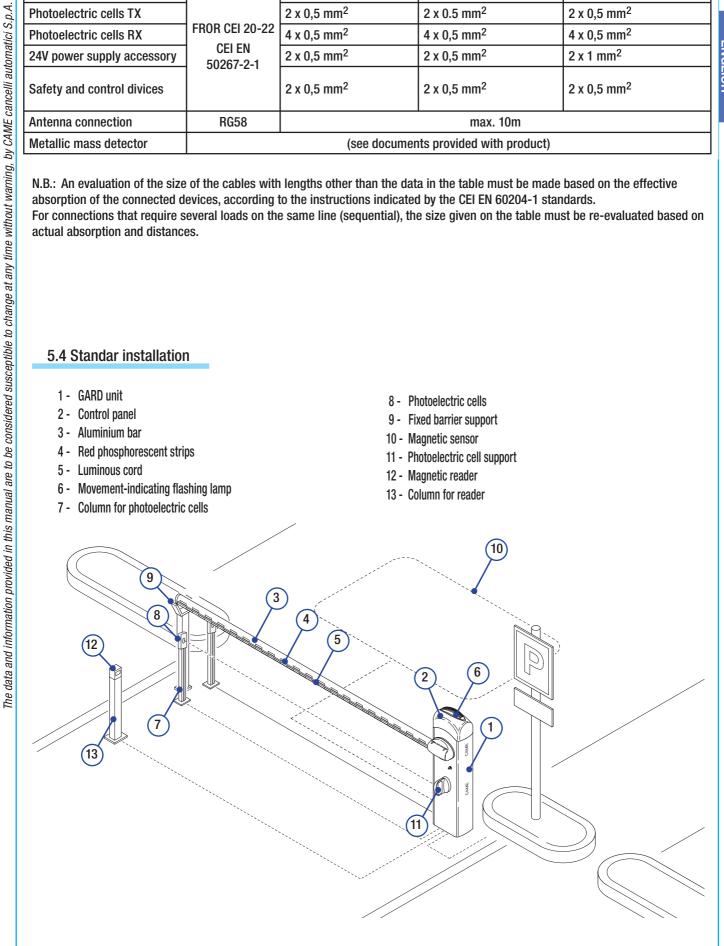
Connections	Type of cable	Length of cable 1 < 10 m	Length of cable 20 < 30 m			
230V 2F power supply		3G x 1,5 mm ²	3G x 2,5 mm ²	3G x 4 mm ²		
Photoelectric cells TX		2 x 0,5 mm ²	2 x 0.5 mm ²	2 x 0,5 mm ²		
Photoelectric cells RX	FROR CEI 20-22	4 x 0,5 mm ²	4 x 0,5 mm ²	4 x 0,5 mm ²		
24V power supply accessory	CEI EN 50267-2-1	2 x 0,5 mm ²	2 x 0,5 mm ²	2 x 1 mm ²		
Safety and control divices	30207 2 1	2 x 0,5 mm ²	2 x 0,5 mm ²	2 x 0,5 mm ²		
Antenna connection	RG58	max. 10m				
Metallic mass detector		(see documents provided with product)				

N.B.: An evaluation of the size of the cables with lengths other than the data in the table must be made based on the effective absorption of the connected devices, according to the instructions indicated by the CEI EN 60204-1 standards. For connections that require several loads on the same line (sequential), the size given on the table must be re-evaluated based on actual absorption and distances.

5.4 Standar installation

- 1 GARD unit
- 2 Control panel
- 3 Aluminium bar
- 4 Red phosphorescent strips
- 5 Luminous cord
- 6 Movement-indicating flashing lamp
- 7 Column for photoelectric cells

- 8 Photoelectric cells
- 9 Fixed barrier support
- 10 Magnetic sensor
- 11 Photoelectric cell support
- 12 Magnetic reader
- 13 Column for reader

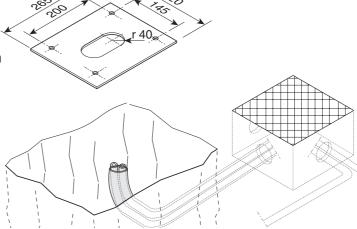


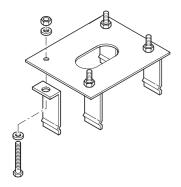
5.5 Fitting for unit base

The following applications are only examples, as the space required for unit installation and the accessories vary depending on dimensions and therefore it is up to the installer to select the best solution.

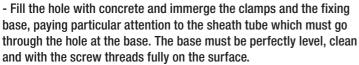
- Prepare a hole to house the fixing base and prepare sheath tubes from the branch pit for the connections.

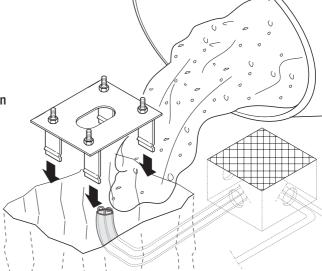
N.B. the number of tubes depends on the type of system and the accessories you will hook up.

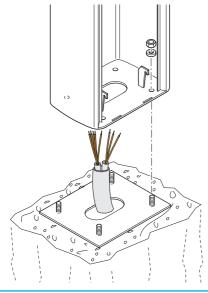




- Assemble the four anchoring clamps at the base.





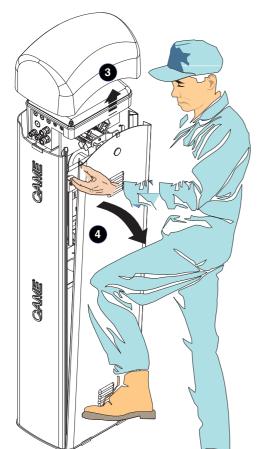


- Remove the nuts and washers from the threaded screws, position the cabinet on the base in correspondence with the 4 threaded screws and secure with the nuts and washers.

Note: We recommend installing the cabinet with the inspection hatch facing the internal area.

5.6 Installation of the Unit

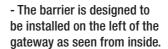
- Remove the two screws from the top crown, insert the key into the slot and turn it counter-clockwise.

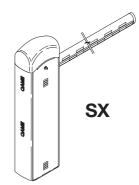


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to O 2

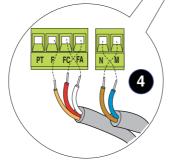
- Lift the top crown and remove the cabinet door.

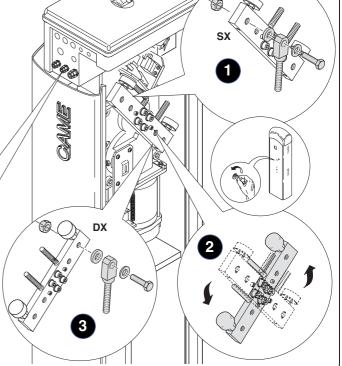




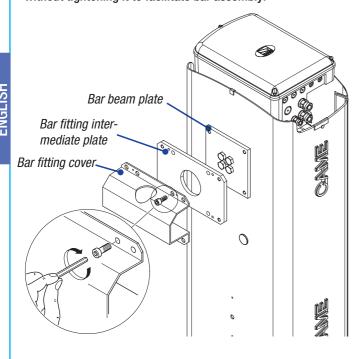
- Should installation on the right be required, the direction of the bar's opening must be inverted. Proceed in the following manner:
- remove the anchor bolt for springs from the transmission arm (1);
- release the gearmotor with the key;
- turn the transmission arm around (2);
- secure the gearmotor again;
- secure the anchor bolt to the transmission arm's opposite hole (3);
- invert the end stop wires on terminals M and N,FA and FC (4).

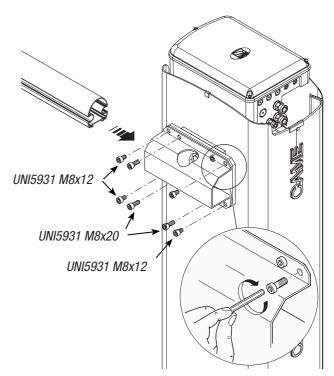






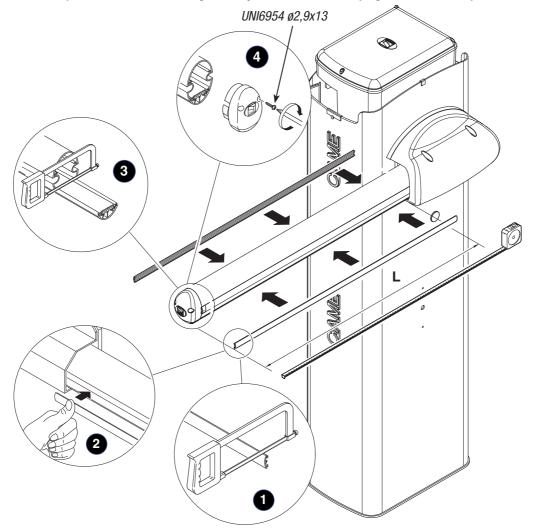
- Position the middle plate between the fitting plate and the bar-fitting cover, and put in one UNI 5931 M8x20 screw without tightening it to facilitate bar assembly.
- Insert the bar in the fitting cover and secure it with UNI 5931 M8x20 and M8x12 screws.



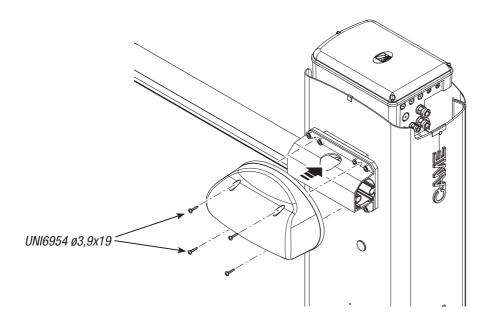


- Measure the length of the bar, cut the bar slot to the same length and insert it in the bar's conduit, a procedure that should be carried out on both sides.

Insert the shock-resistant profile and cut excess length. Lastly, secure the bar end plug with the screws provided.

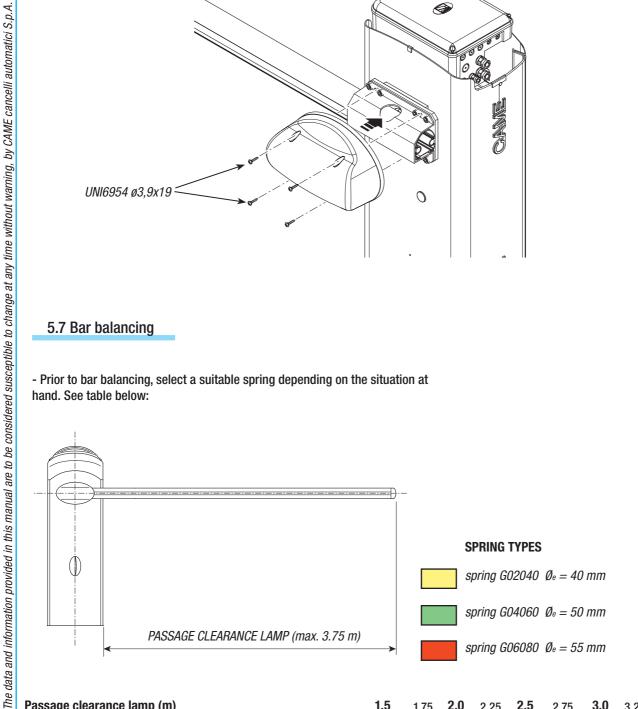


- Tighten the anti-shearing protection cover to the bar fitting with UNI6954 Ø3.9x19 screws.



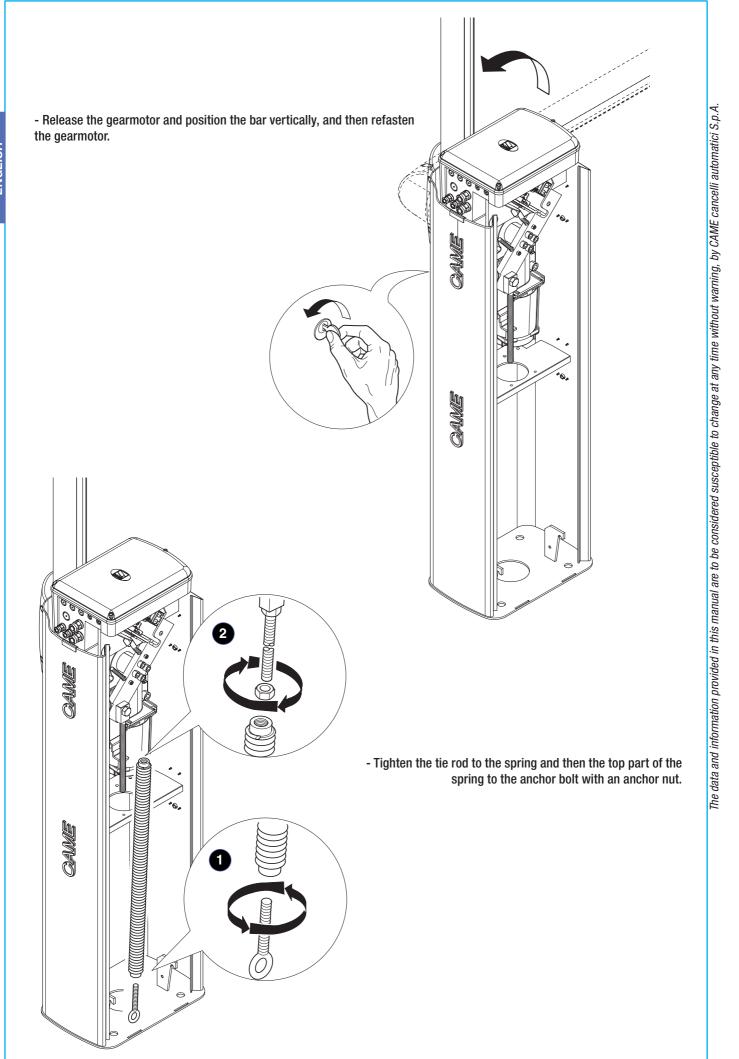
5.7 Bar balancing

- Prior to bar balancing, select a suitable spring depending on the situation at hand. See table below:

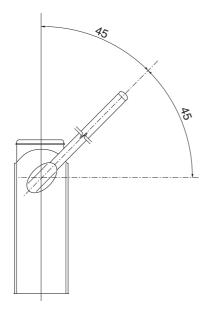


Passage clearance lamp (m)	1.5	1.75	2.0	2.25	2.5	2.75	3.0	3.25	3.5	3.75
Bare bar* + shock-resistant profile										
Bare bar* + shock-resistant profile and luminous cord										
Bare bar* + rack										
Bare bar* + luminous cord and rack										
Bare bar* + shock-resistant profile and mobile barrier support										
Bare bar* + shock-resistant profile, luminous cord and mobile barrier support										
Bare bar* + rack and mobile barrier support										
Bare bar* + luminous cord, rack and mobile barrier support										

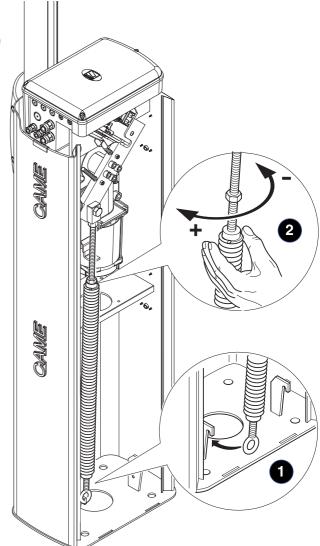
^{*} By Bare bar we mean a bar complete with the transparent slot cover and end plug.

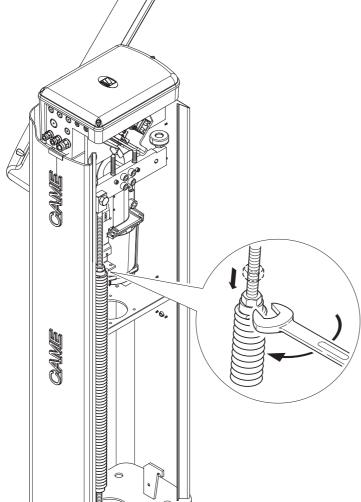


- Hook the tie rod to the anchoring bracket, release the gearmotor and manually turn the spring to increase or decrease traction until the bar rests at 45°.



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- Tighten the blocking nut and refasten the gearmotor.

 Note: make sure the spring functions properly:
- the spring is loose when the bar is in the vertical position (at rest)
 - the spring is tight when the bar is in the horizontal position (tense).
- Perform any electrical connections to the control panel (see electrical connections paragraph).

5.8 End stop adjustment

N.B.: perform this procedure after finishing the electrical connections.

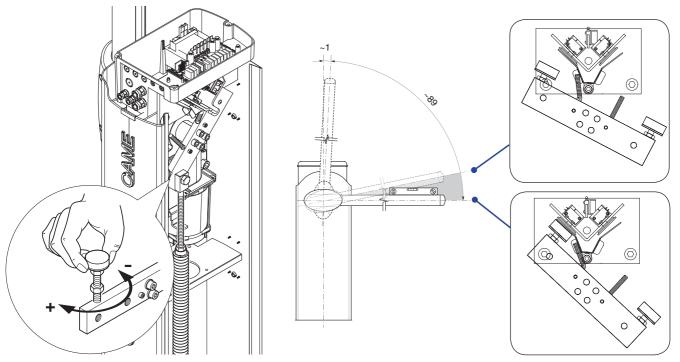
Close the door and power up the system, activate the barrier to make sure it is parallel with the closed and at about 89° when open.

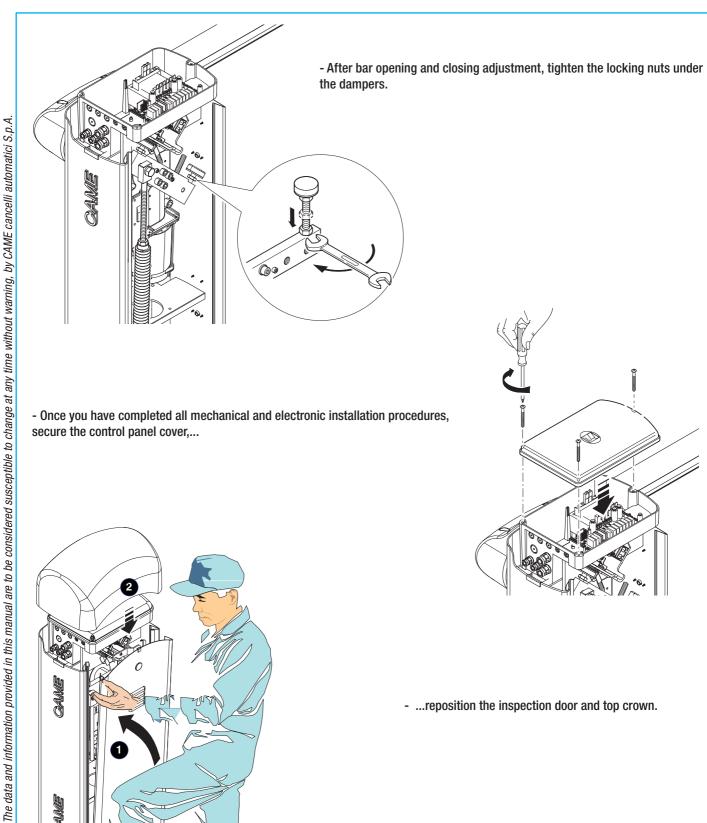
Warning! For greater safety and better unit performance, the bar's opening and closing operations should be carried out with the inspection hatch closed!

If any adjustment of the vertical position (= opening) is needed, open the inspection door and rotate the free damper clockwise (to increase the bar's run) or counter-clockwise (to decrease the run).

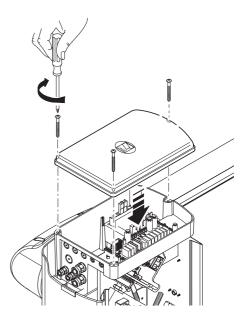
Similarly, open the bar and adjust the free damper, to regulate the horizontal position (= closing).

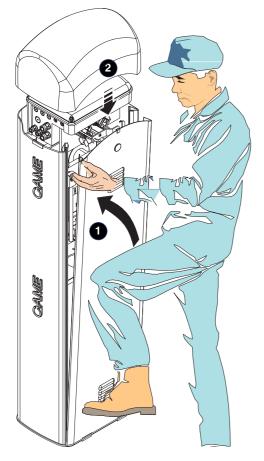
Warning! The bar's stop position is preceded by the slowing phase by means of a tab and spring system that activates the slowing-down microswitch prior to the bar's total stop.



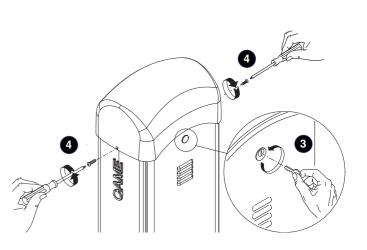


- Once you have completed all mechanical and electronic installation procedures, secure the control panel cover,...





- Turn the key clock wise and lock the protective top cap using the $\emptyset 3,9x13$ supplied with the package.



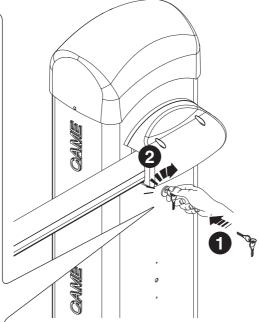
- ...reposition the inspection door and top crown.

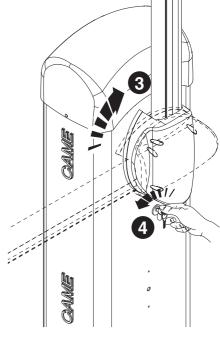
5.9 Manual release of the barrier

- Insert the key into the lock and turn it clockwise. Manually raise the bar and block it again by turning the key counter-clockwise.



WARNING! The release procedure may constitute a hazard for the user when, for whatever reason – the bar is fixed improperly to the housing during assembly, or the bar is cracked or broken in an accident, and so on – the tension springs no longer provide balance! These can thus cause a brusque rotation of the bar attachment and/or of the bar itself.





6 Description control panel

This product is engineered and manufactured by CAME cancelli automatici s.p.a. and complies with current safety regulations. Guaranteed 24 months if not tampered with.

The control panel works on 230V a.c. of power, 50/60Hz frequency.

Both command and control devices and accessories are 24V powered. Warning! Accessories must not exceed 40 W overall.

The control unit is fitted with an amperometric device which constantly regulates the motor's drive coefficient.

When the bar runs into an obstacle, the amperometric sensor immediately detects an overcharge in the drive and redirects the gate's direction of movement, and:

- during opening: the bar stops;
- during closing: the bar reverses its direction until it opens completely; automatic closure is thus activated.

<u>Caution!</u> after three consecutive direction reversals, the bar will remain up and automatic closure will be discontinued. To close the gate, use the radio remote control or the push-button.

All connections are protected by quick fuses, see table.

The card provides and controls the following functions:

- automatic closing after an open-command;
- immediate closure;
- pre-flashing by the motion indicator:
- obstacle detection when gate is still in any position;
- slave function:
- function that increases the braking action of the barrier.

The following command modes are possible:

- open/close;
- open/close and maintained action;
- open;
- complete stop.

Apposite trimmers regulate:

- the automatic closing run time;
- the amperometric device's detection sensitivity; Optional accessories:
- Flashing Crown and Luminous band.
- bar open light marks the position of opening of the bar; it turns off after the closing operation;
- LB38 Card, provides power supply through a battery, in case of a power outage. When power comes back on, it also recharges the batteries (see relative technical literature).

Warning! Before acting on the machinery, cut off the main power supply and disconnect any emergency batteries.

TECHNICAL FEATURES				
Power supply	230V - 50/60Hz			
max. rated power	400W			
Power draw when idling	25W			
Max power of 24V accessories	40W			
Insulation rating	II			
Material	ABS			

FUSES				
protection:	fuse type:			
Motor/s	10A-F			
Electronic board (power supply line)	3.15A-F			
Accessories	2A-F			
Control devices	630mA-F			

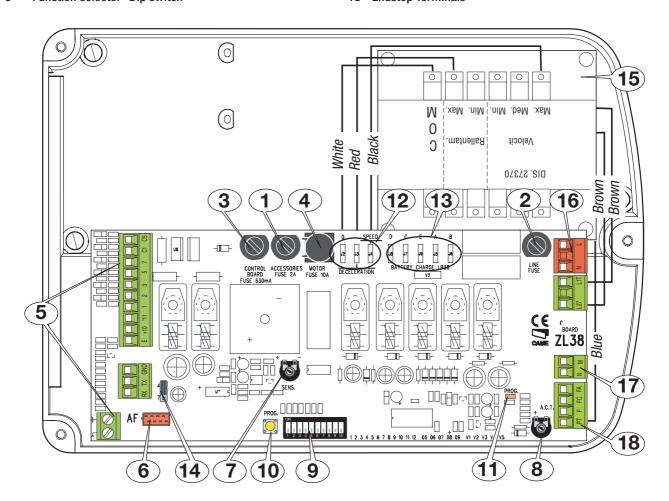
6.1 Main components

- 1 Accessories fuse
- 2 Line fuse
- 3 Control unit fuse
- 4 Motor fuse

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- 5 Accessories terminals
- 6 Radio-frequency card input (see table page 19)
- 7 SENS Trimmer: adjusts amperometric sensitivity
- 8 TCA Trimmer: adjusts automatic closing time
- 9 "Function selector" Dip switch

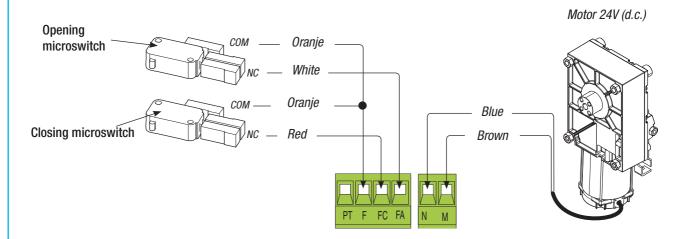
- 10 Code storing button
- 11 Signalling LEDs for radio codes/automatic closing
- 12 Adjustment connectors for deceleration speed
- 13 Connectors for LB38 battery charger
- 14 Command-type selection jumper for button 2-7
- 15 Transformer
- 16 Power supply Terminals
- 17 Motor Terminals
- 18 Endstop Terminals



6.2 Electrical connections

Gearmotor, endstop

Description of required electrical connections. When installing on the right side, see page 7.



Power supply to accessories

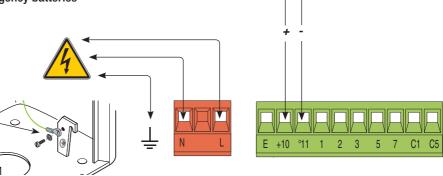
Terminals for powering the following accessories:

- 24V a.c. (normally alternated power);
- 24V a.c. (continuous power) when the emergency batteries are in operation;

Overall power allowed: 40W

Power supply 230V (a.c.) 50/60 Hz

Cable lug with bolt and washer for connecting to earth



Command devices

Pulsante Stop button (N.C. socket) - Bar stop button. Excludes automatic closing. For motion to resume, press the command button or the remote control button.

Se non viene utilizzato, posizionare il dip 9 in ON.

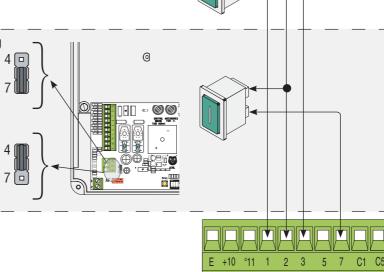
Opening button (N.O. contact) - Bar opening command.

Command button (N.O. contact) - Bar opening or closing button. By pressing on the button, the bar opens or inverts its movement depending on the selection made on Dipswitch 2.

Check setting of the Jumper (n. 14, page 15), as per figure.

Closing button (N.O. contact) - Bar closing command. Obligatory in the event of "maintained action" function.

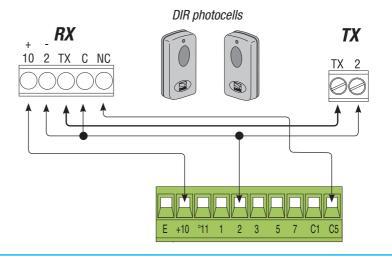
Set jumper according to figure.



(N.O.) Contact for "immediate closing"

Automatic bar closing after an obstacle comes within the range of the safety devices.

If unused, set Dipswitch 8 to ON.

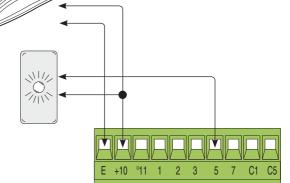


Warning devices

Flashing Crown and/or Luminous band (Contact rating: 24V - 32W max.) - Flashes when bar is opening and closing.

Open barrier warning light (contact rating: 24V – 3W max.)

- Signals when bar is in 'up' position, turns off once bar is down.

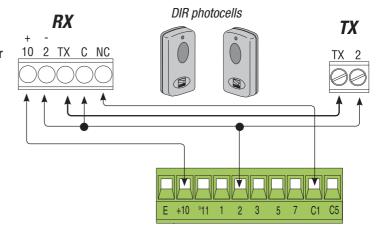


Safety devices

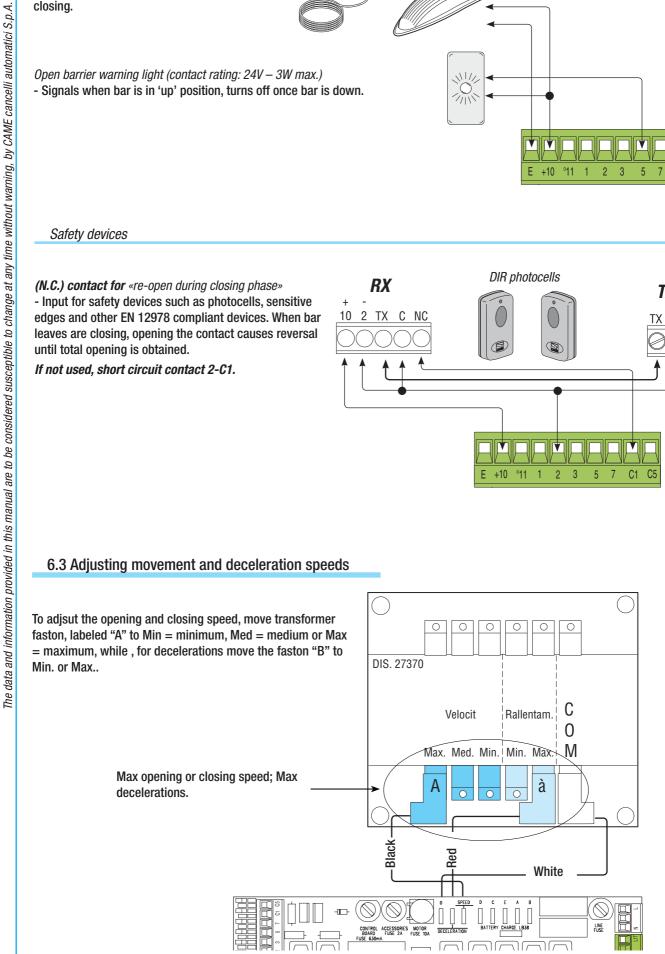
(N.C.) contact for «re-open during closing phase»

- Input for safety devices such as photocells, sensitive edges and other EN 12978 compliant devices. When bar leaves are closing, opening the contact causes reversal until total opening is obtained.

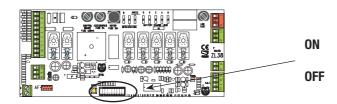
If not used, short circuit contact 2-C1.



6.3 Adjusting movement and deceleration speeds



6.4 Selecting functions

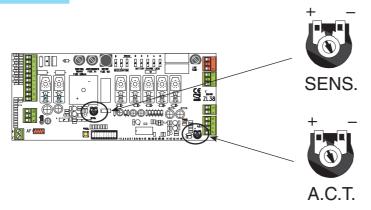


Default setting



- 1 ON Automatic closing the automatic closing timer is activated when on opening the bar leaf has reached the full open stroke. The time is preset and adjustable, and is subject to the action of any safety devices. It does not activate after a total safety "stop" or during a power outage (1 OFF deactivated);
- 2 OFF "Open-close" function with button [2-7] and remote control (with built-in radiofrequency card).
- 2 ON "Open only" function with remote control (featuring built-in radiofrequency card.
- 3 ON 24V power output on contact (10-E) bar in motion and in open position;
- 3 OFF- 24V power output on contact (E-10) bar in motion;
- 4 ON *Maintained action* the bar works by keeping the button pressed (one button [2-3] for opening, and one button [2-7] for closing) (Set jumper n°14 according to figure pag. 16).
- 5 ON **Pre-Opening and closing flasher** Following and opening and closing command, the flasher connected to [10-E], flashes for 5 seconds before motion begins.
- 6 ON **Obstacle detected** When motor is stopped (bar closed or after a total stop command) it prevents any movement if safety devices, such as photocells, detect any obstacles.
- 7 ON "Slave" function Activate when two barriers are coupled (see connecting two coupled barriers paragraph);
- 8 OFF *Immediate bar closing* Immediately closes bar when obstacle comes within the range of the safety devices. Insert safety device on [2-C5]; if unused set Dipswitch to ON.
- 9 OFF *Total stop* This function stops the bar and then excludes any automatic closing cycle; to set in motion again, use either the keypad or transmitter. Insert the safety device in [1-2]; If unused, set DIP switch to ON.
- 10 ON Brake Action increases braking action on the bar when closing (10 OFF deactivated)

6.5 Adjustments





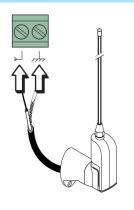
ELENCO TRIMMER DI REGOLAZIONI:

- «A.C.T.» Sets the waiting time while open. Once this time has elapsed, closing automatically takes place. The waiting time may be set from 1 to 120 seconds.
- «**SENS**» Sets the amperometric sensitivity that controls the force generated by the motor during movement; if the force exceeds the set level, the system intervenes by inverting the direction of motion.

7 Activating the remote control

Antenna

Connect the antenna's RG58 cable to the apposite terminals.

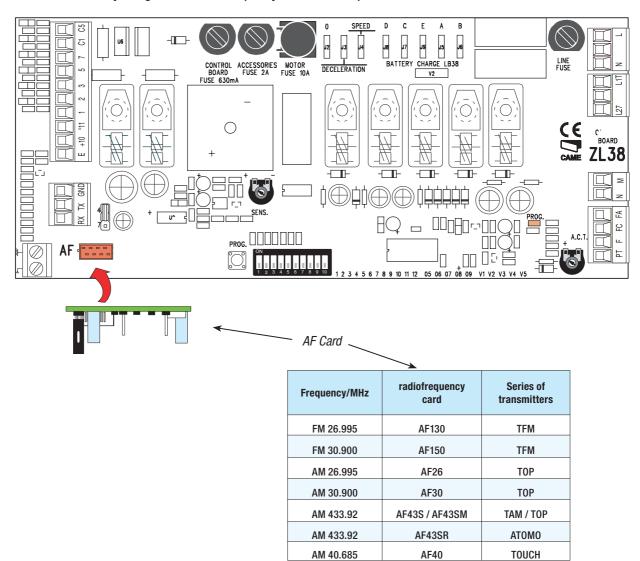


Radiofrequency card

The data and information provided in this manual are to be considered susceptible to change at any time without warning, by CAME cancelli automatici S.p.A.

Lock the radiofrequency card into the electronic card AFTER CUTTING OFF THE POWER SUPPLY (or after disconnecting the batteries).

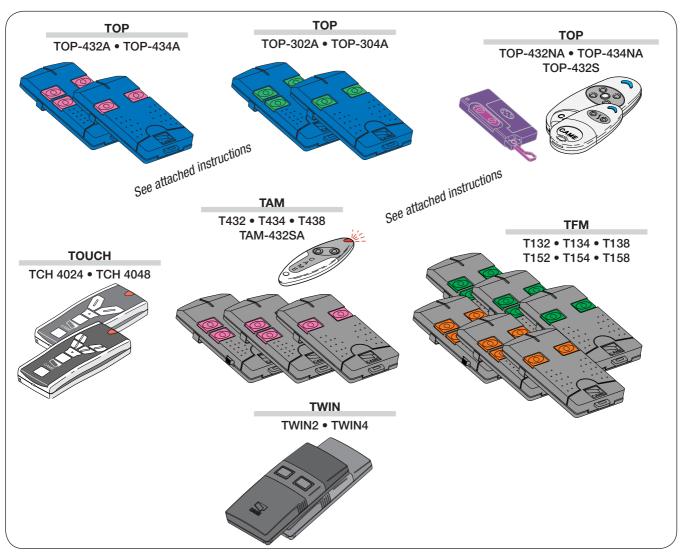
N.B.: the electronic card only recognises the radiofrequency card when the power is on.



Transmitters

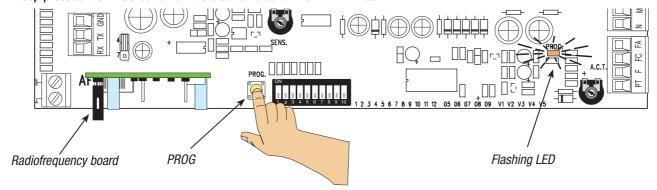


See instructions attached to <u>AF43SR radiofrequency card</u>

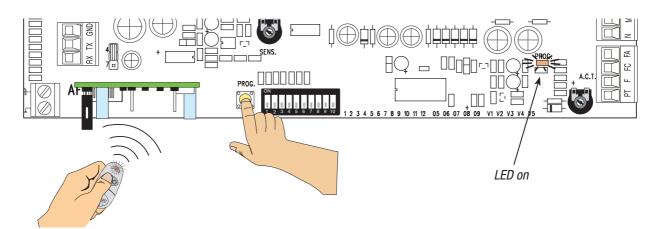


Memorisation

- Keep pressed the PROG button on the electronic card. The LED will flash.

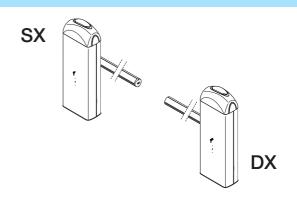


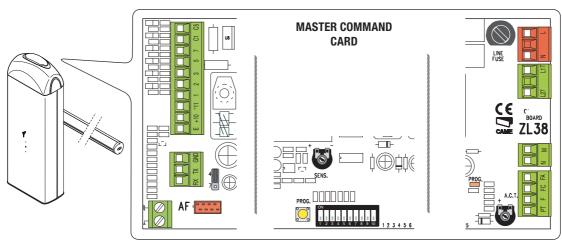
- Press the button of transmitter to memorise. The LED will stay on to signal memorisation.



8 Connecting two coupled barriers to one command

- Determine the Master and Slave barrier.



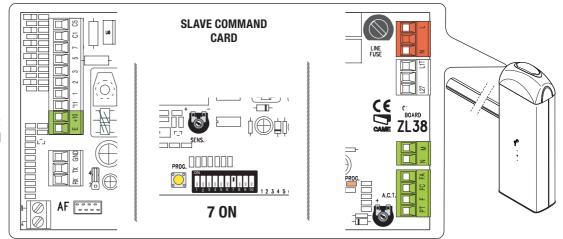


- On the pre-chosen Master command card, perform all the connections (see electrical connections paragraph)

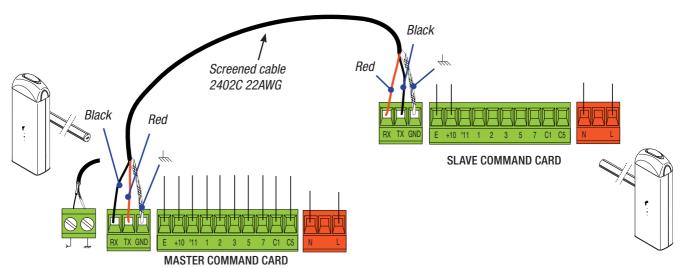
the installation procedure for the remote control, settings and adjustments.

- on the pre-chosen Slave command card, set Dipswitch 7 to ON, perform power connection on terminal L-N, connect the device to 10-E terminal output, adjust to the same speed and deceleration as for the Master barrier.

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- Perform connection between two command cards through $\mbox{\bf RX-TX}$ $\mbox{\bf GND}$ terminals.



9 Safety instructions

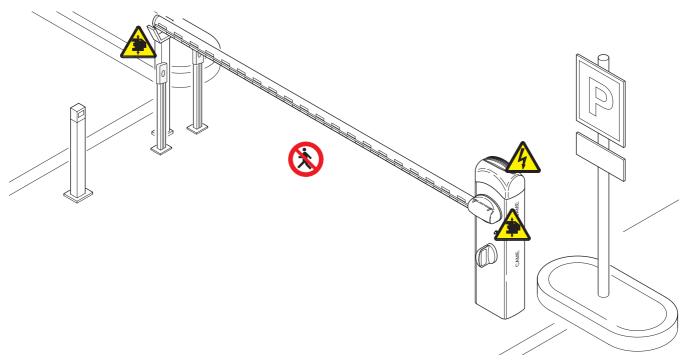


Important safety instructions

This product must only be employed for its originally intended use. Any other use is wrong and potentially dangerous. The manufacturer cannot be held liable for any damages resulting from wrongful, erroneous or negligent uses.

Avoid using near mechanical moving parts. Stay out of the opening/closing arc when operator is in motion.

Do not exercise force against the motion of the operator as this could result in potentially dangerous situations.



Do not allow children to play or loiter within the opening/closing arc of the operator. Keep remote controls and any other command device out the reach of children, to prevent operator from being activated by accident.

In the event of anomalous behaviour, stop using the operator immediately.



Danger of crushing hands



Danger! High voltage



No transit during operation

10 Maintenance

10.1 Periodic maintenance

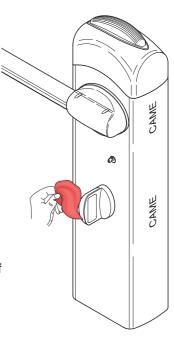
Periodic maintenance to be carried out by the end-user is as follows: wipe clean the glass surface of the photocells; check that the safety devices work properly; remove any obstruction.

We suggest checking the state of lubrication and tightness of the anchoring screws on the operator.

-To check the efficiency of the safety devices, move an object in front of the photocells when gate is closing. If the operator inverts the motion or stops, the photocells are working properly.

This is the only maintenance procedure to be bar out with the power source connected.

- -Before performing any maintenance procedures, cut off the main power, to prevent possible accidents due to bar movement.
- -To clean the photocells use a water dampened cloth. Do not use solvents or other chemical products which may ruin the devices.
- -Make sure there are no plants within the photocell's beam, and that the bar motion is free of any obstacles.



Periodic maintenance log for end-user (every 6 moths)

Date	Notes	Signature

10.2 Extra-ordinary maintenance

The following table serves to note down any extraordinary maintenance, repairs or improvements performed by specialised firms.

N.B.: Any extraordinary maintenance must be performed by specialised technicians.

Extra-ordinary maintenance log

Installer's stamp	Operator name			
	Date of job			
	Technician's signature			
	Requester's signature			
Job performed				
Installer's stamp	Operator name			
	Date of job			
	Technician's signature			
	Requester's signature			
Job performed				
Installer's stamp	Operator name			
	Date of job			
	Technician's signature			
	Requester's signature			
Job performed	<u> </u>			

Installer's stamp	Operator name			
	Date of job			
	Technician's signature			
	Requester's signature			
Job performed				
Installer's stamp	Operator name			
	Date of job			
	Technician's signature			
	Requester's signature			
Job performed				

10.3 Problem solving

La risoluzione dei problemi è a cura dell'installatore professionale o a persona competente.

MALFUNCTIONS	REFERENCES	CHECKS			
The unit neither opens nor shuts	1-2-3-4-6-8-18	1 – Close the inspection hatch with the key and check the release lock			
The unit opens but does not close	4-7-10	2 - Disable "steady movement" with dipswitch			
The unit shuts but does not open	4-7-9	3 – Check power supply and fuses			
No automatic closure	11-12-13	4 - N.C. safety contacts open (1-2 / 2-C1 / 2-C5)			
The unit does not work if the remote control is used	2-14-16	6 - Disable master-slave function			
The unit inverts direction	7-18	7 – Check spring tension and balancing			
The unit works only with remote control	22	8 – Disable obstacle detection with dipswitch			
The photoelectric cell does not react	12-23-24	9 – Check if end stop opens			
The signalling LED indicator flashes rapidly	4	10 – Check if end stop closes			
The signalling LED indicator remains on	13	11 - Activate "automatic closure" dip switch			
The unit does not end its run	7	12 – Check the correct direction of movement			
The bar is not properly balanced	7-15	13 - (2-3 / 2-4 / 2-7) command button			
The unit does not slow down	7-15	14 –Check jumper on AF43S, turn on/off power			
The unit does not work with the back-up batteries	8-25-26	15 – Check the bar length ratio with mountable accessories			
The unit is slow to respond	7	16 – Re-save radio code			
		18 – Adjust sensitivity			
		22 - Enter or duplicate the same code in all the remote controls			
		23 – Activate the photoelectric cell with the dipswitch			
		24 – Connect the photoelectric cells in a series, not in parallel			
		25 – Dead batteries			
		26 –Respect the photoelectric cells' polarity			

11 Demolition and disposal

In its premises, CAME CANCELLI AUTOMATICI S.p.A. implements an Environmental Management System certified in compliance with the UNI EN ISO 14001 standard to ensure environmental protection.

Please continue our efforts to protect the environment—which CAME considers one of the cardinal elements in the development of its operational and market strategies—simply by observing brief recommendations as regards disposal:

🖒 DISPOSAL OF PACKAGING – The packaging components (cardboard, plastic, etc.) are all classifiable as solid urban waste products and may be disposed of easily, keeping in mind recycling possibilities.

Prior to disposal, it is always advisable to check specific regulations in force in the place of installation.

PLEASE DISPOSE OF PROPERLY!

🕏 PRODUCT DISPOSAL – Our products are made up of various types of materials. Most of them (aluminium, plastics, iron, electrical wires, etc.) may be disposed of in normal garbage collection bins and can be recycled by disposing of in specific recyclable material collection bins and disposal in authorized centres. Other components (electrical boards, remote control batteries, etc.), however, may contain polluting substances. They should therefore be removed and given to qualified service companies for proper disposal.

Prior to disposal, it is always advisable to check specific regulations in force in the place of disposal.

PLEASE DISPOSE OF PROPERLY!

12 Manufacturer's warranty

CE

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MANUFACTURER'S DECLARATION OF CONFORMITY

Pursuant to annex II B of the Machinery Directive 98/37/EC



CAME Cancelli Automatici S.p.A via Martiri della Libertà, 15 31030 Dosson di Casier - Treviso - ITALY tel (+39) 0422 4940 - fax (+39) 0422 4941 internet: www.came.it - e-mail: info@came.it

IMPORTANT WARNING! Do not use the equipment specified here above, before completing the full installation In full compliance with the Machinery Directive 98/37/EC

Declares under its own responsibility that the equipments for automatic garage doors and gates listed below

AUTOMATION FOR STREET BARRIERS G4040Z - G4040IZ

. comply with the National Law related to the following European Directives and to the applicable parts of the

98/37/CE - 98/79/CE 98/336/CFF - 92/31/CFF FLECTROMAGNETIC COMPATIBILITY DIRECTIVE 73/23/CEE - 93/68/CE

MACHINERY DIRECTIVE

Low Voltage Directive CONSTRUCTION PRODUCTS DIRECTIVE

EN 13241-1

89/106/CEE

EN 12445

EN 12635 EN 60335-1 EN 61000-6-2 EN 61000-6-3 EN 60204-1

MANAGING DIRECTOR Mr. Andrea Menuzzo Judia Herrizzo

Reference code to request a true copy of the original: DDF B EN G001A

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