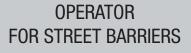


# 119G56EN

SERIES GARD





INSTALLATION MANUAL





English EN



# WARNING! Important instructions for the safety of people: READ CAREFULLY!



## Foreword

• Use of the products must be restricted to its intended use (i.e. that for which it was expressly built for). Any other use is to be considered dangerous. Came Cancelli Automatici S.p.A. is not liable for any damage resulting from improper, wrongful or unreasonable use • Keep these warnings with the installation and use manuals issued with the automated system.

## **Before installing**

(preliminary check: in case of a negative outcome, do not proceed before having complied with the safety obligations)

• Make sure that the parts you intend to automate are in good working order, and that they are properly balanced and aligned. Also, make sure that proper mechanical stops are already in place • If the operator will be installed at a height of less than 2.5 m from the ground or other access level, check whether you will need any protections and/or warnings • Any gate leaves, fitted with pedestrian entrances, onto which you will install an operator, must have a blocking mechanism when the gate is in motion • Make sure that the opening of the automated gate is not an entrapment hazard as regards any surrounding fixed parts • Do not mount the operator upside down or onto any elements that may fold under its weight. If needed, add suitable reinforcements at the points where it is secured • Do not install onto gates on either an upward or downward slope (i.e. that are not on flat, level ground) • Check that any lawn watering devices will not wet the gearmotor from the bottom up.

## Installation

• Carefully section off the entire site to prevent unauthorised access, especially by minors and children • Be careful when handling operators that weigh more than 20 Kg (see installation manual). In such cases, employ proper weight handling safety equipment • All opening commands (e.g. buttons, key selectors, magnetic detectors, etc.) must be installed at least 1.85 m from the gate's area of operation perimeter - or where they cannot be reached from the outside of the gate. Also, the direct commands (e.g. push button, or proximity devices, etc.) must be installed at a height of at least 1.5 m and must not be accessible to the public • All 'maintained action' commands, must be placed where the moving gate leaves, transit areas and driveways are completely visible • If missing, apply a permanent label that shows the position of the release mechanism • Before delivering to the client, verify that the system is EN 12453 (impact test) standard compliant. Make sure that the operator has been properly adjusted and that the safety and protection devices, as well as the manual release

are working properly • Where necessary and in plain sight, apply the Warning Sings (e.g. gate plate).

# Special instructions and advice for users

• Keep the gate's area of operation clean and clear of any obstacles. Trim any vegetation that may interfere with the photocells • Do not allow children to play with the fixed command devices, or in the gate's area of operation. Keep any remote control devices (i.e. transmitters) away from the children as well • Frequently check the system, to see whether any anomalies or signs of wear and tear appear on the moving parts, on the component parts, on the securing points, on the cables and any accessible connections. Keep any joints (i.e. hinges) lubricated and clean, and do the same where friction may occur (i.e. slide rails) • Perform functional tests on photocells and sensitive edges, every six months. Keep glass panels constantly clean (use a slightly water-moistened cloth; do not use solvents or any other chemical products) • If the system requires repairs or modifications, release the operator and do not use it until safety conditions have been restored Cut off the power supply before releasing the operator for manual openings. See instructions • Users are FORBIDDEN to carry out ANY ACTIONS THAT THEY HAVE NOT BEEN EXPRESSLY ASKED TO DO OR SO INDICATED in the manuals. Any repairs, modifications to the settings and extraordinary maintenance MUST BE DONE BY THE TECHNICAL ASSISTANCE STAFF • On the periodic maintenance log, note down the checks you have done.

## Special instructions and advice for all

Avoid working near the hinges or moving mechanical parts
Stay clear of the gate's area of operation when in motion
Do not resist the direction of movement of the gate; this may present a safety hazard
At all times be extremely careful about dangerous points that must be indicated by proper pictograms and/or black and yellow stripes
When using a selector or command in 'maintained action' mode, keep checking that there are no people in the area of operation of the moving parts. Do this until you release the command
The gate may move at any time without warning
Always cut the power when cleaning performing maintenance.



#### Came Cancelli Automatici s.p.a.

Via Martiri della Libertà	Street n.	15	postal code	31030
Dosson di Casier	province	Treviso	state	Italia

#### DECLARES THAT THE PARTLY COMPLETED MACHINERY

address

location

#### **AUTOMATIC ROAD BARRIERS**

G2080Z; G2080IZ; G2081Z; G4040Z; G4040IZ; G4041Z; G2500; G2500N; G2510; G3250; G3750; G3751; G3000DX; G3000SX; G3000IDX; G3000ISX; G4000; G4000C; G4000D; G4000E; G4000N; G4001; G4001E; G4010; G4011; G6000; G6000B; G6000E; G6001; G6001E; G6010; G6011; G6500; G6501; G12000; G12000A; G12000S G02040; G04060; G06080 G02801; G02803; G03755DX; G03755SX

#### MEET THE APPLICABLE ESSENTIAL REQUIREMENTS

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 - 1.4.2.1 - 1.5.1 - 1.5.6 - 1.5.8 - 1.5.9 - 1.5.13 - 1.6.1 - 1.6.3 - 1.6.4 - 1.7.1 - 1.7.2 - 1.7.4

#### COMPLIES WITH THE PROVISIONS OF THE FOLLOWING DIRECTIVES

DIRECTIVE 2006/42/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 17 May 2006 on machinery, and amending Directive 95/16/EC.

DIRECTIVE 2004/108/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 December 2004 on the approximation of the laws of the Member States relating to electromagnetic compatibility.

#### PERSON AUTHORISED TO COMPILE THE RELEVANT TECHNICAL DOCUMENTATION

#### Came Cancelli Automatici s.p.a.

address	Via Martiri della Libertà	Street n.	15	postal code	31030
location	Dosson di Casier	province	Treviso	state	Italia

The pertinent technical documentation has been drawn up in compliance with attached document IIB Came Cancelli Automatici S.p.A., following a duly motivated request from the national authorities, undertakes to provide information related to the quasi machines,

#### and FORBIDS

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.

Dosson di Casier (TV) 29 september 2011

Gianni Michielan Managing Director

DDI B EN **G001a** ver. 4.2 01 Febraury 2011 Translation of the Declaration in the original language

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 info@came.it - www.came.com

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CAMEGROUP

Annex. IIB Dir.2006/42/CE)

#### "IMPORTANT SAFETY INSTALLATION INSTRUCTIONS"

#### "WARNING: IMPROPER INSTALLATION MAY RESULT IN SERIOUS HARM. PLEASE FOLLOW ALL INSTALLATION INSTRUCTIONS"

"THIS MANUAL IS INTENDED ONLY FOR PROFESSIONAL INSTALLERS OR OTHER COMPETENT INDIVIDUALS"

## Legend of symbols



This symbol shows parts which must be read with care.

This symbol means the parts which describe safety issues.

This symbol tells you what to tell the end-user.

# Intended use and limits to use

## 2.1 Intended use

The G12000 barrier is engineered and built by Came Cancelli Automatici S.p.A. for controlling passages of extra large vehicles.

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

## 2.2 Limitations to use

Passage width is up to 12 metres and opening time is 10 seconds.

## **3 Reference standards**

Came Cancelli Automatici employs an ISO 9001 certified quality management system and an ISO 14001 environmental management system. Came only engineers and manufactures in Italy.

This product is compliant with: see statement of compliance.

# **4 Description**

## 4.1 Barrier

Additional accessories

001G0121 White-varnished, aluminium tube arm consisting of:

1) Fixed support

- 1 tube arm  $L = 6200 \text{ mm} \text{ } \emptyset 120 \text{ mm}$
- 1 tube arm  $L = 6000 \text{ mm} \text{ } \emptyset 100 \text{ mm}$
- 1 accessory for extending the arm.

Optional accessories: 002LB38 Card for connecting three 12V - 7Ah batteries; 001G0461 Package of red reflective strips.

*Important!* Make sure that the command and safety equipment and accessories are CAME originals; this ensures easy and safe installation and maintenance for your system.

## 4.2 Technical data

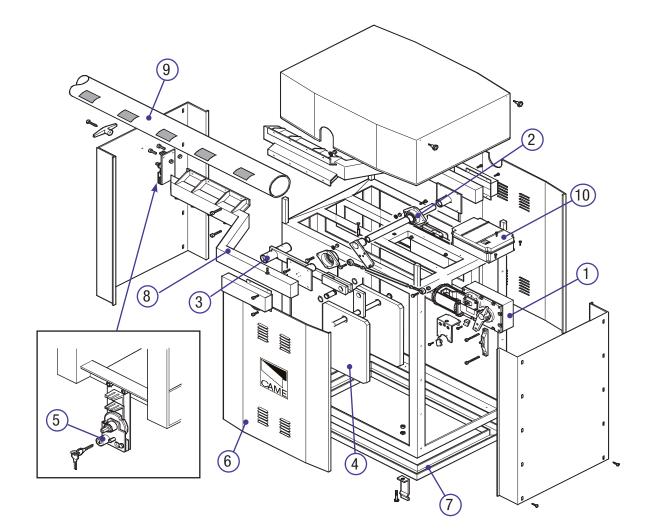
Power supply: 230 V AC 50/60 Hz Motor power supply: 24 V DC 50 / 60 Hz Maximum draw: 1.3 A ( 230 V) / 15 A ( 24 V) Power: 300 W Maximum Torque: 600 Nm Reduction ratio: 1/202 Opening interval: 10 S Duty cycle: 50% Protection rating: IP54 Weight: 783 Kg \* Insulation class: I Working temperature:

55°C

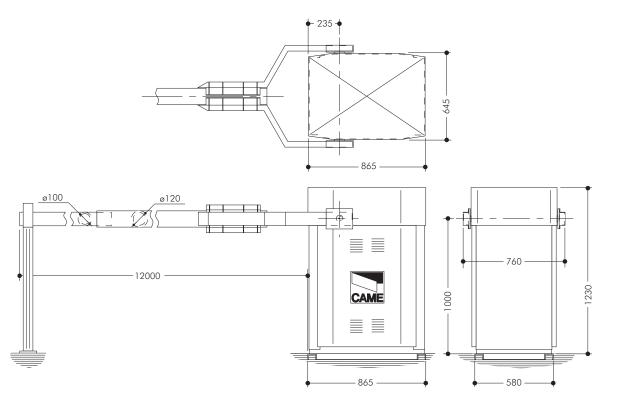
# ENGLISH

# 4.3 Description of parts

- 1. Gearmotors powered by 24 V DC (irreversible gearmotor with die-cast aluminium box; worm-screw based reduction system with permanent fluid grease lubrication).
- 2. Forged, galvanised steel transmission levers. adjusting rods in hexagonal tubing; self-lubricating joints.
- 3. Drive shaft made of tempered C40 steel, fitted onto mono-block supports with terminal flanges to fasten the barrier-arm fork.
- 4. Modular counter-weight system, with 25 kg rectangular plates;
- 5. Manual release, with PVC handle and cord on a self-lubricating sheath; security lock.
- 6. Cabinet: supporting structure in profiled steel and outer cladding in 25/10 press-bent sheet metal; both galvanised and varnished with RAL 2004.
- 7. U-shaped counter-base profile, bolts and structure fastener.
- 8. Barrier-arm attaching fork made of galvanised steel and black varnished in RAL 9005; supplied in two ready-to-assemble symmetrical parts.
- 9. Aluminium barrier-arm, 6060 alloy, white varnished in RAL 9010; supplied in two circular (ø 120 e ø 100 mm) section trunks to assemble in the measurement you wish
- 10. Control panel: ABS box protection rated at IP54, fitted horizontally.



## 4.4 Dimensions



#### Measurements in mm

# **5** Installation

Installation must be carried by skilled, qualified technicians in accordance with current regulations.

## 5.1 Preliminary checks

- Before beginning to install, the following is necessary:
- · Check that installing the operator does not create any hazardous situations;
- Set up a suitable omni polar cut-off device, with distances greater than 3 mm between contacts, wit sectioned power source;
- 🕒 Check that any connections inside the container (made for continuity purposes of the protective circuit) be fitted with extra insulation compared to other internal conductive parts;
- Set up proper conduits and electric cable raceways, making sure these are protected from any mechanical damage

## 5.2 Tools and equipment

Make sure you have all the tools and materials needed to carry out the installation in total safety and in accordance with current regulations. The figure shows some examples of the tools needed by installers.



## 5.3 Cable types and minimum thickness

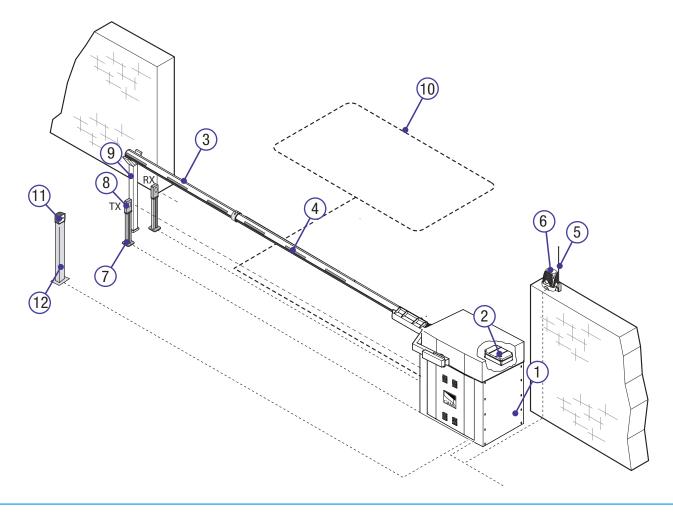
Connection for	Type of cable	Cable length 1 < 10 m	Cable length 10 < 20 m	Cable length 20 < 30 m
Power supply 230 V 2F		3G x 1.5 mm <sup>2</sup>	3G x 2.5 mm <sup>2</sup>	3G x 4 mm <sup>2</sup>
Photocell transmitters	FROR CEI 20-22 CEI EN 50267-2-1	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Photocell receivers		4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>
Accessories power supply 24 V DC		2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 1 mm <sup>2</sup>
Safety and command devices		2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Antenna connection	RG58		max. 10 m	

N.B. If cables are of a different length than that shown in the table, determine the cable section based on the actual draw and the number of connected devices and according the what is set forth in the CEI EN 60204-1 code of regulations.

For connections featuring several loads on the same line (that is, sequential ones), the dimensions shown on the table must be reconsidered according to the total draw and actual distances.

## 5.4 Standard installation

- 1. G12000 barrier
- 2. Control panel
- 3. Aluminium barrier arm
- 4. Red reflective strips
- 5. Antenna
- 6. Flashing light
- 7. Small post for photocells
- 8. Photocells
- 9. Fixed support
- 10. Magnetic sensor
- 11. Keypad selectors
- 12. Column for selector-switch

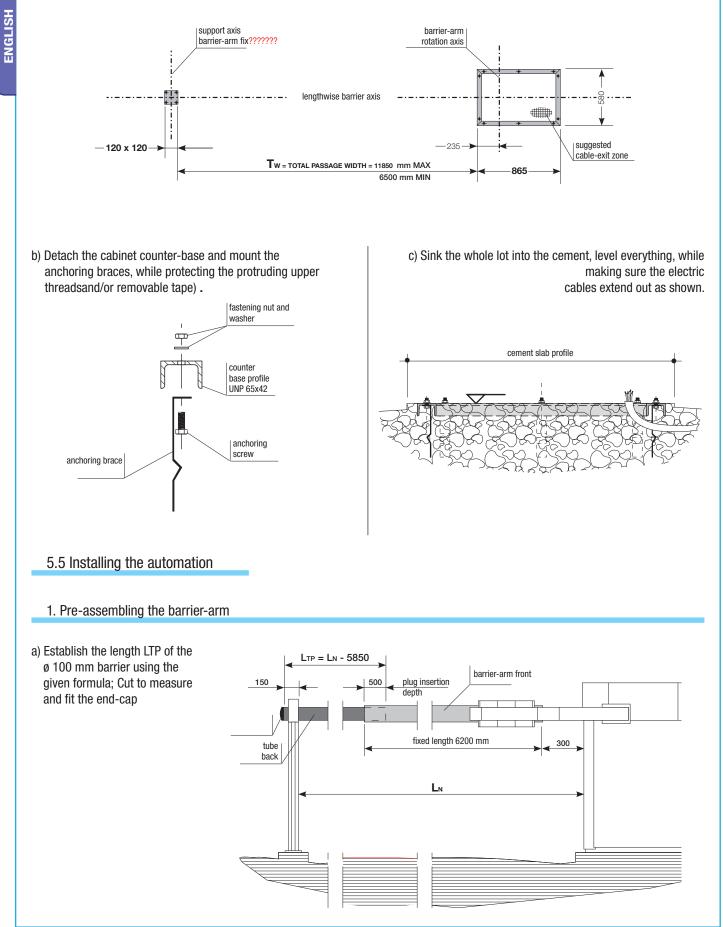


## 5.5 Preparing the base

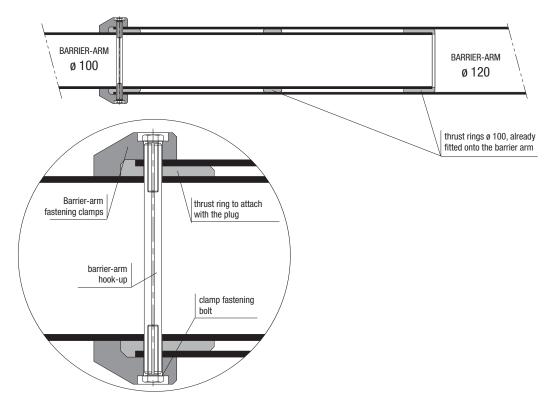


The following illustrations are just examples, in that the space for securing the operator and accessories depends on the overall measurements. It is up to the installer to choose the most suited solution.

a) Trace the lengthwise and perpendicular axis of the barrier by locating the right positions of the arm's fixed support and that of the cabinet.

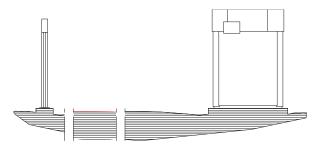


b) Assemble the barrier-arm by fitting the ø 100 one into the ø 120 mm one (fixed measurement 6200 mm) and inserting the centering plug; fit and fasten the two fastening clamps;

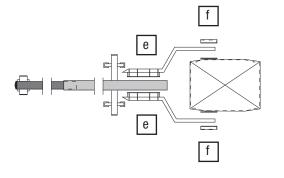


#### 2. Assembling the barrier arm

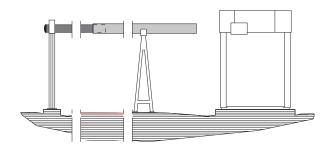
- a) Raise cover and sides, slide them out from the bottom to remove both from the cabinet; clean the cement slabs and free the bolts from the clamp/brackets by removing any protection and the nuts.
- b) Position the cabinet and fasten it against the counter base.
- c) Position and fasten the barrier-arm fixed support. perfectly aligned lengthwise to the cabinet.



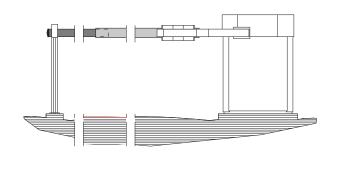
- e) Assemble the v-rest by joining the two tube-clamps on the barrier-arm, leaving the nuts loose.
- f) Fasten the barrier-arm to the shaft's end plates but leave the bolts loose.

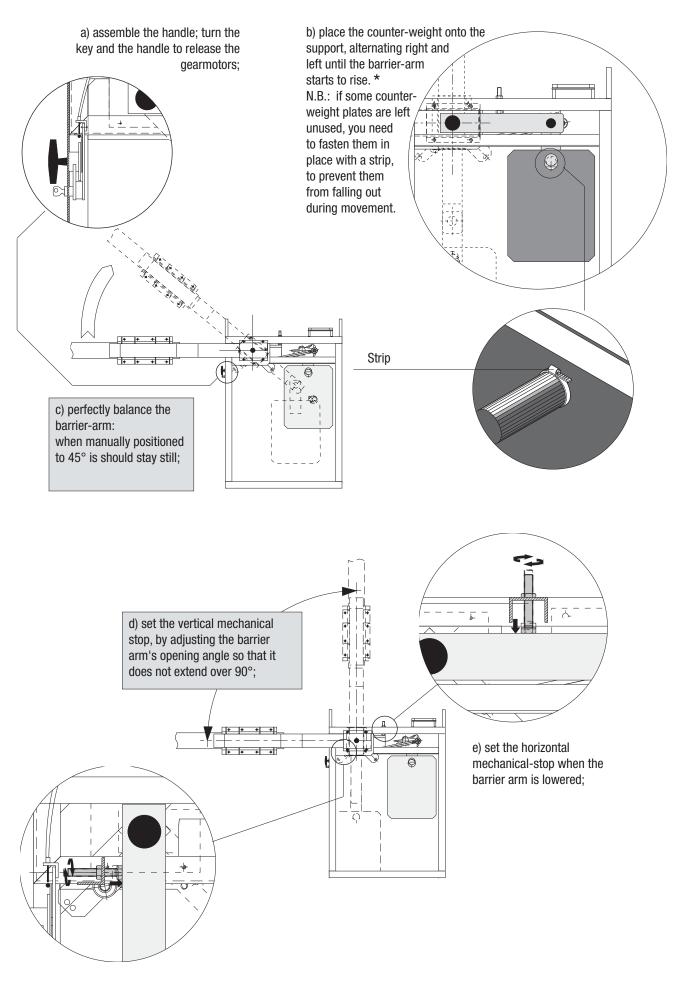


d) With the help of a trestle and the



g) Check and adjust any unleveled parts, then definitively fasten the barrier-arm and v-rest.





\* For proper balancing you may need to cut one of the counter-weight plates

ENGLISH

# 6 Description of the control panel

Designed and made by CAME Cancelli Automatici S.p.A. Power supply: 230 V AC, max frequency 50/60 Hz.

the command devices and accessories are powered by 24 V. Warning! The accessories must not exceed 40 W overall.

The control panel features an amperometric device which constantly controls the motor-thrust data.

When the barrier arm runs into an obstacle, the amperometric sensor detects an overload in the thrust and acts on the movement: - when opening: by stopping the arm;

- when closing: the barrier arm inverts its direction of travel until it fully opens, triggering the automatic closing.

<u>Warning!</u> after three consecutive inversions, the barrier-arm stay upright, and excluded the automatic closing: to close, use the transmitter of closing button.

All connections are protected by quick fuses.

The card handles the following features:

- automatic closing after an opening command;
- immediate closing;
- Pre flashing by the flashing light;
- obstacle detections when gate is not moving at any point;
- reopening while closing
- Slave feature;
- increased braking action of the barrier arm.
- The available command modes are:
- opening/closing;
- -opening/closing with maintained action;
- opening;
- total stop.

Specific trimmers regulate:

- the working time for automatic closing;
- the amperometric device's detection sensitivity;

Optional accessories:

- barrier-arm open light, signals that the barrier-arm is open - switches off at end of closing working-time;

- The LB38 card, is for emergency operation with batteries (three 12 V - 7 Ah) in case of power outages. Once power is restored, it also recharges the batteries (see technical literature).

WARNING: before doing any work inside the equipment, cut off the main power supply and disconnect the three 12 V - 3 Ah

batteries (if they are connected )

TECHNICAL DATA				
line voltage	230 V - 50/60 Hz			
Maximum allowed power load	300 W			
power draw	15 A max.			
maximum power for 24 V accessories	40 W			
circuit insulation class				
container material	ABS			

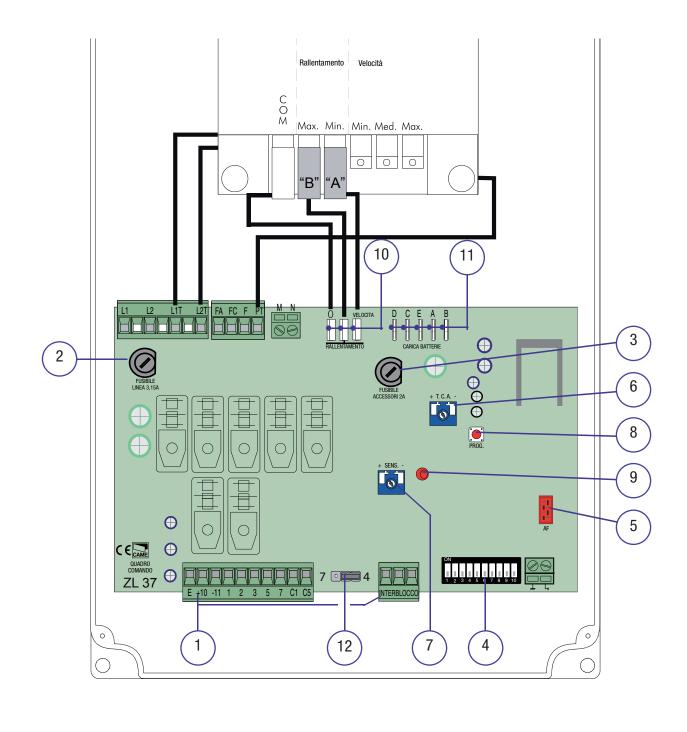
FUSE TABLE			
to protect:	fuses for:		
Electronic board (line)	3.15A		
Accessories	A 2		
Command devices (control unit)	630 mA-F		

### 6.1 Main components

- 1. Connecting terminals
- 2. Line fuse

ENGLISH

- 3. Accessories fuse
- 4. "Select features" dip-switch
- 5. Radio frequency card socket
- 6. Trimmer TCA: adjusting automatic closing time
- 7. Trimmer SENS: adjusting amperometric sensitivity
- 8. Code memorising button
- 9. LED for radio code / automatic closing
- 10. Transformer power supply connectors
- 11. 002LB38 Card connectors
- 12. Selection jumper for command type for button on 2-7



## 6.2 Electrical connections

#### Gearmotor, limit switch

Description of already required wiring connections

24 V DC Gearmotor Opening micro Orange СОМ switch NC White Brown / Blue Bleu / Brown Closing micro Orange COM switch Red NC F PT FA FC Power supply Terminals for powering accessories: - at 24 V AC with 230 V power supply - at 24 V AC with 24 V power supply Overall allowed power: 40 W E +10 -11 1 2 3 5 7 C1 230 V AC powered, 50 / 60 Hz frequency

C5

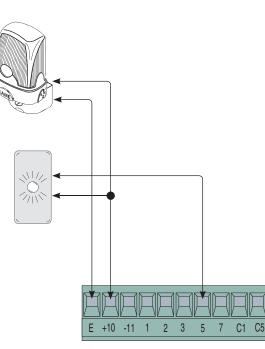
12

#### Warning devices

#### 24 V-25 W Output

Moving (for example, the flashing light). DIP-SWITCH 3=OFF Barrier-arm in movement and in closed position. DIP 3 ON - Flashes while barrier opens and closes. Moving, during the opening and closing phases and when the barrier-arm is in the closed position. DIP 3 ON.

*Flashing light for open barrier arm* Contact rated for: 24 V - 3 W Max.) - Signals that barrier-arm is raised, and switches of when the barrier-arm is lowered.



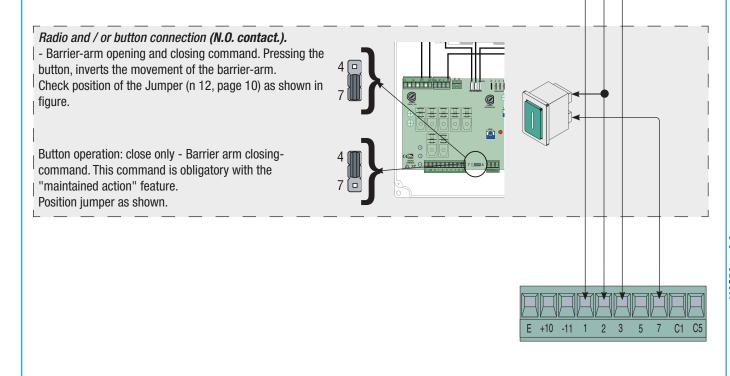
**ENGLISH** 

#### Command devices

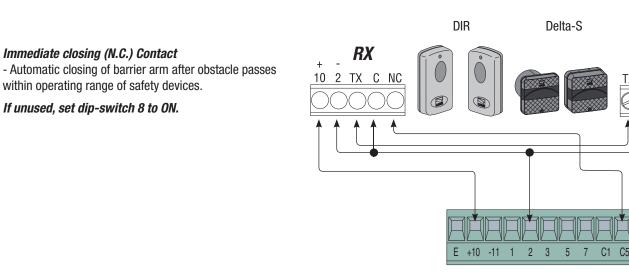
*Stop button* (*(N.C.) contact.)*) - Button to stop barrier arm. Excludes automatic closing. To resume movement press the command button or transmitter key. *if unused, set dip-switch 9 to ON.* 

Opening button (N.O. contact)

- Barrier-arm opening command.

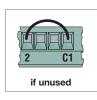


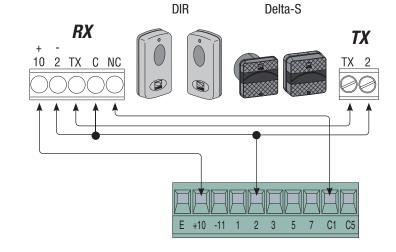
#### Safety devices



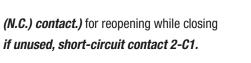
*(N.C.) contact.)* for reopening while closing - Input for safety devices like photocells, compliant with law EN 12978. While the barrier is lowering, opening the contact will invert movement until it is fully raised.

If unused, short-circuit the contact 2= C1.

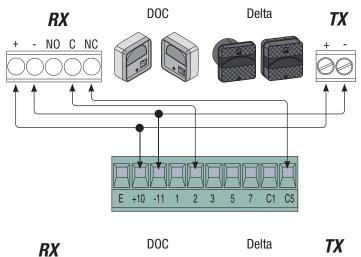


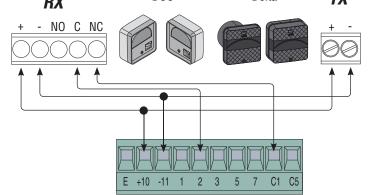


Immediate closing (N.C.) Contact if unused, set dip-switch 8 to ON.





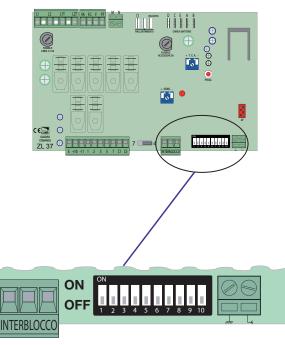




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## 6.3 Selecting features

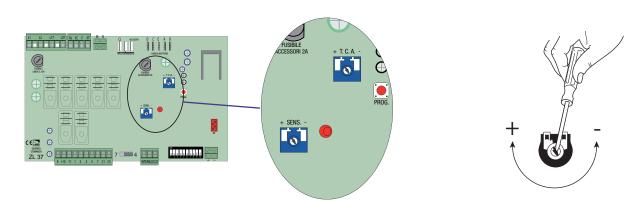
- 1 ON Automatic closing activated;
- 2 ON "only open" radio command operation activated
- 2 OFF "open-close-invert" radio command operation activated
- 3 ON Voltage at 24 V outgoing on terminals 10-E during the movement phases and when barrier-arm is in the closed position. activated;
- 3 OFF Voltage at 24 V outgoing on terminals 10-E during the barrier-arm moving phase, activated;
- 4 ON Maintained action feature activated;
- 5 ON Pre-flashing for 5 seconds when opening and closing activated;
- 6 ON Obstacle detection (with motor at end of run) activated;
- 7 ON Feature in "slave" mode activated;
- 8 OFF Immediate closing feature **activated**; Insert safety device on [2-C5).
- 9 OFF "Stop" button activated; Insert safety device on [1-C2);
- 10 ON Barrier arm slow-down enhancement feature activated.



the Dip-switches

## 6.4 Settings

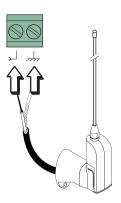
- Trimmer T.C.A. = Automatic closing time is 1", max. 120".
- **Trimmer SENS.** = Sensitivity of the amperometric device (min. / max) min SENS. = max. FORCE



# 7 Activating the radio command

#### Antenna

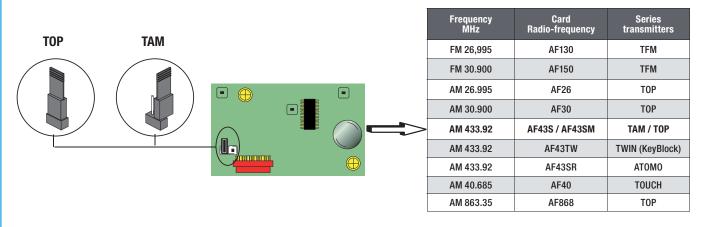
Connect RG58 antenna cable to the apposite terminals.



#### Radio frequency card

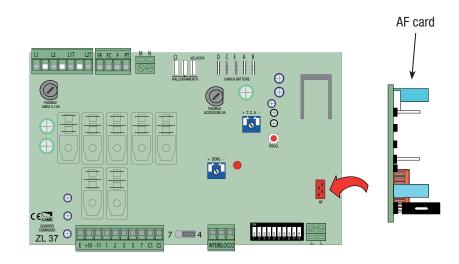
#### Only for the AF43S / AF43SM radio-frequency cards.

- position jumper as shown depending on the series of transmitters you are using.

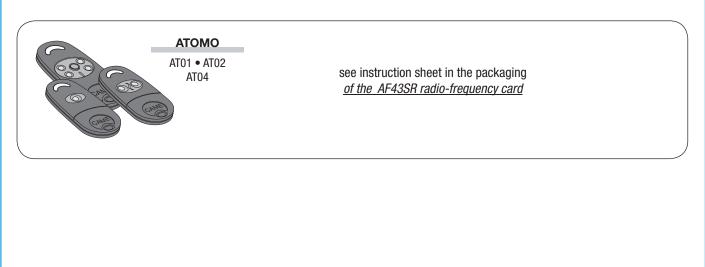


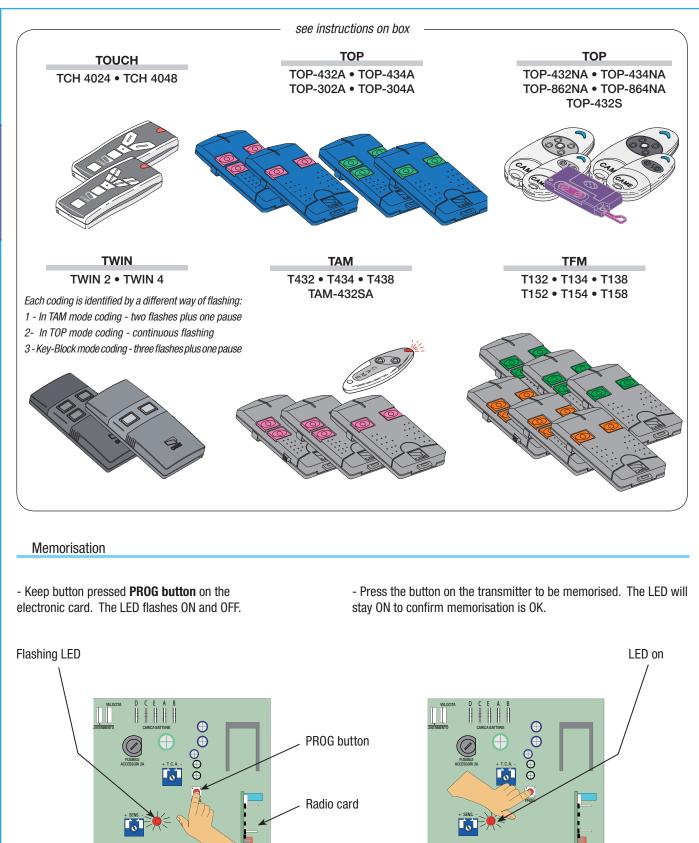
Plug in the (AF) radio-frequency card onto the electronic board AFTER CUTTING OFF THE MAIN POWER SUPPLY (and disconnecting the emergency batteries).

N.B.: The electronic card recognises the radio-frequency card only when it is powered up.



#### Transmitters





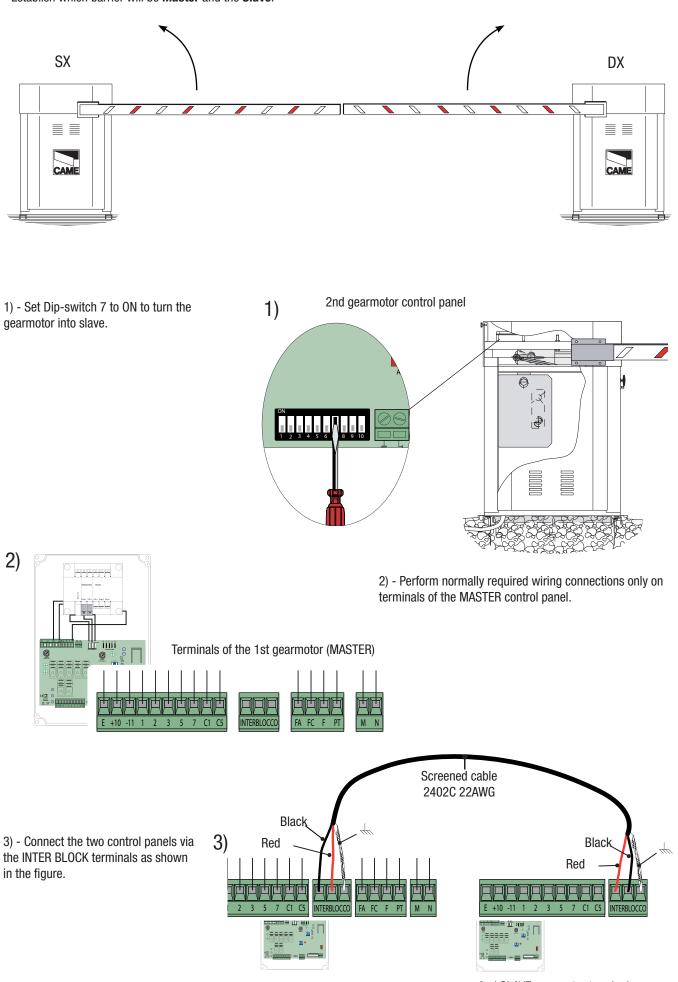
N.B.: if you later wish to change code, just repeat the above sequence.

(

# Connecting two barriers joined by a single command

- Establish which barrier will be Master and the Slave.

p. 17 - Manual code: 119G56 ver. 3.0 10/2011 © 05/2010 © CAME Cancelli Automatici S.p.A. - The data and information in this manual may be changed at any time and without obligation on the part of Came Cancelli Automatici S.p.A. to notify said changes.



1st MASTER gearmotor terminals

2nd SLAVE gearmotor terminals

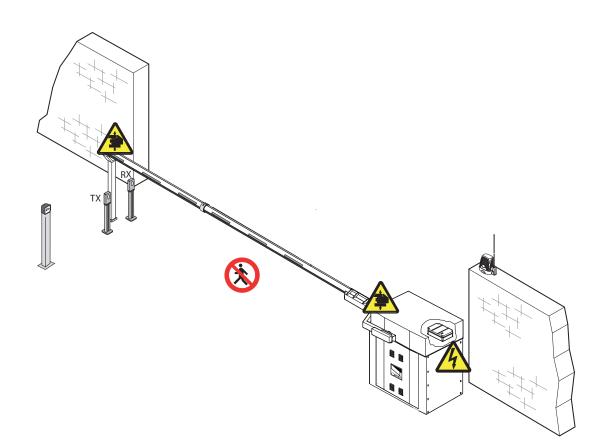
ENGLISH

## **8 Safety instructions**

## Important general safety instructions

This product is only intended to be used for the purpose it was designed. Any other use is therefore improper and dangerous. The manufacturer is not liable for any damage caused by improper, wrongful or unreasonable use. Stay away from working mechanical parts. Stay out of the working range of the moving operator.

Do not oppose the movement of the operator as this may result in danger.



Do not allow children to play to loiter within the working range of the operator. Keep transmitters and any other command devices away from children, to prevent the operator from being activated by mistake. Immediately stop using the operator if any anomaly is manifested.

Danger high voltage



Danger of hand crushing

# 9 Maintenance

## 9.1 Periodic maintenance

Periodic servicing **performed by end-user** are wiping clean the photocell's glass front pieces and checking for proper working state of safety devices and that the operator is free of any obstacles.

We also suggest to periodically check the state of lubrication and tightness of screws on the operator.

- To check the efficiency of the safety devices, wave an object in front of the photocells during closing cycle, if the operator inverts or halts its movement, the photocells are working properly. This is the only maintenance job that can be done when the barrier spring-tension is the loaded.

- Before performing any job we highly recommend to cut off the main power, to prevent any dangerous situations from possible accidental movements by the barrier.

- To wipe clean the photocell glass, use a slightly damp cloth, and do not use any solvents or other chemical products that may ruin the device.

- Check that the photocells are free of any vegetation blocking them, and that there are no obstacles to the free movement of the arm.

Transit forbidden during

operation

Periodic maintenance	log to be done	by users (eve	ry 6 months)
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Date	Notes	Signature

# 9.2 Extraordinary maintenance

The following table is used to log extraordinary maintenance, repair and improvement jobs done by the specialised external firms. N.B. All extraordinary maintenance jobs must be carried out by skilled technicians.

#### Extraordinary maintenance log

Installer's stamp	Product name
	Date of job
	Technician's signature
	Customer's signature
Job carried out	·
Installer's stamp	Product name
	Date of job
	Technician's signature
	Customer's signature
Job carried out	
Installer's stamp	Product name
	Date of job
	Technician's signature
	Customer's signature
Job carried out	•

Installer's stamp	Product name
	Date of job
	Technician's signature
	Customer's signature
Job carried out	
Installer's stamp	Product name
	Date of job
	Technician's signature
	Customer's signature
Job carried out	· · ·

# 9.3 Troubleshooting

#### The solution to the problem is for the professional installer or other competent, qualified person.

PROBLEM	REF.	CHECK
The operator neither opens nor closes	1-2-3-4- 6-8-18	1 - Lock the inspection hatch using the key and check the release lock
The operator opens but does not shut.	4-7-10	2 - Deactivate the "maintained action" feature via dip-switch
The operator closes but does not open	4-7-9	3- Check power supply and fuses
The operator does not carry out the automatic closing	11-12-13	4 - The N.C. safety contacts are open
It does not work with the transmitter	2-14-16	6 - Deactivate the master-slave feature
The operator inverts the direction of travel	7-18	7 - Check balancing and tautness of springs
Only one transmitter works	22	8 - Deactivate the Obstacle detection feature via Dip-switch
The photocell does not work	12-23-24	9- Check opening limit-switch
The LED flashes quickly	4	10- Check closing limit-switch
II LED stays on	13	11 -Use the dip-switch to activate "automatic closing"
The operator does not fully complete cycle	7	12 - Check for the proper direction of travel
Cannot balance the arm	7-15	13 - Check the command devices
The operator does not decelerate	7-15	14 - Cut off and bring back power to card or check the TOP/TAM jumper on the AF43S card
The operator does not run on the emergency batteries	8-25-26	15 - Check the "Arm length/Applied Accessories" ratio
The operator is slow when starting	7	Memorise the radio code again
		18 - Adjust sensitivity
		22 - Insert or duplicate the same code in all transmitters
		23 - Activate the photocell via Dip-switch
		24 - Connect the photocells in series and not in parallel fashion
		25 - Check the batteries
		26 - Respect the polarities when powering up the photocells

# ENGLISH

# **10 Dismantling and disposal**

On its premises, CAME Cancelli Automatici S.p.A. implements a certified Environmental Management System in compliance with the UNI EN ISO 14001 standard to ensure environmental protection.

Please help us to safeguard the environment. At CAME we believe this to be one of the fundamentals of ours market operations and development strategies. Just follow these short disposal instructions:



 $\overline{\mathcal{T}}$  disposing of the packaging

The components of the packaging (i.e. cardboard, plastic, etc.) are solid urban waste and may be disposed of without much trouble, simply by separating them for recycling.

Before proceeding it is always a good idea to check your local legislation on the matter.

DO NOT DISPOSE OF IN NATURE!



**PRODUCT DISPOSAL** 

Our products are made up of various materials. Most of these (aluminium, plastic, iron, electric cables) are solid urban waste. These can be disposed of at local solid waste management dumps or recycling plants.

Other components (i.e. electronic cards, transmitter batteries, etc.) may contain hazardous substances.

These must therefore be handed over the specially authorised disposal firms.

Before proceeding it is always a good idea to check your local legislation on the matter.

DO NOT DISPOSE OF IN NATURE!



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