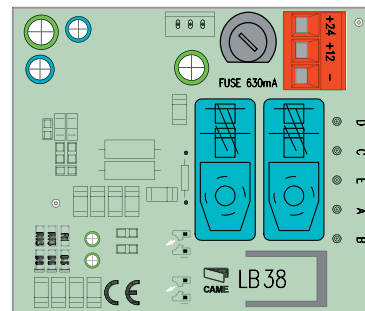





LB38




1 Legend

-  This symbol denotes parts that should be given special attention.
-  This symbol denotes parts that concern safety.
-  This symbol denotes special notes to the user.

2 Limits of use and intended use

2.1 Limits of use

The LB38 battery-charging board was designed as an emergency device for the ZL38 command board.

 Any use other than the ones described above and installations in methods other than those shown in this technical manual are strictly prohibited.

WARNING - incorrect installation could cause serious injury. Follow the installation instructions carefully.

2.2 Intended uses

 This manual has been written specifically for a professional installer or other especially trained technician.

3 Reference standards

The product in question is subject to the following reference standards: EN12978, UNI EN 954-1, CEI EN 60335-1, UNI EN 12453.

4 Description

4.1 Board for connecting the emergency batteries

The electrical board for emergency operation of the barriers with gearmotor at 24V D.C.

Equipped with a 630 mA, green LED light signalling line voltage present, yellow LED light signalling battery functioning and red LED light signalling battery low.

Designed and built entirely by CAME Cancelli Automatici S.p.A. Guaranteed for 24 months if not tampered with.

4.2 Technical information

Electrical board

Absorption at rest: 180 MA

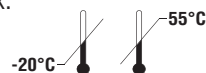
Charge voltage 24 V = 27V

Charge voltage 12 V = 13.5V

Supply voltage: 24V

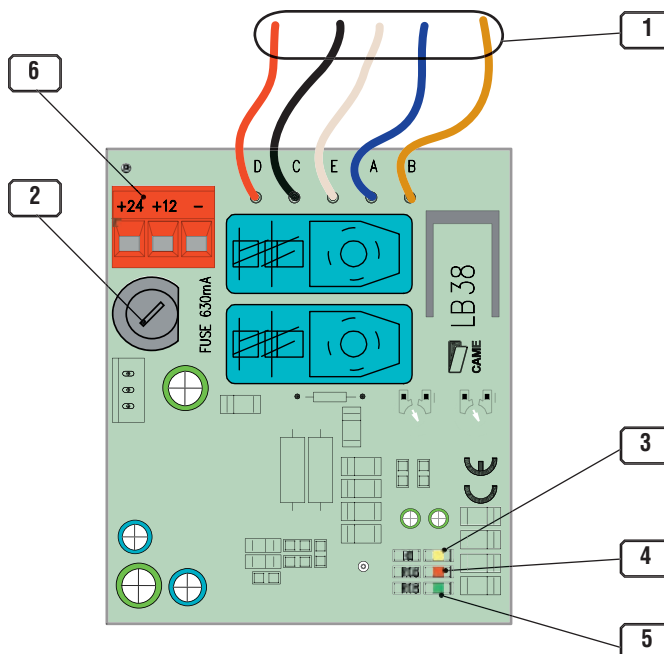
Charge current = 100A max.

Operating temperature:



4.3 Main components

- 1 Cables for connection to the board
- 2-630 mA Fuse
- 3-Yellow LED signalling battery functioning
- 4-Red LED signalling battery low
- 5-Green LED light signalling line voltage present
- 6-Terminal board for connecting batteries



All the data and information contained herein is considered subject to change at any time and at our discretion.

5 Installation

5.1 Preliminary checks



Before proceeding with installation, it is necessary to:

- make sure the mains voltage is disconnected.

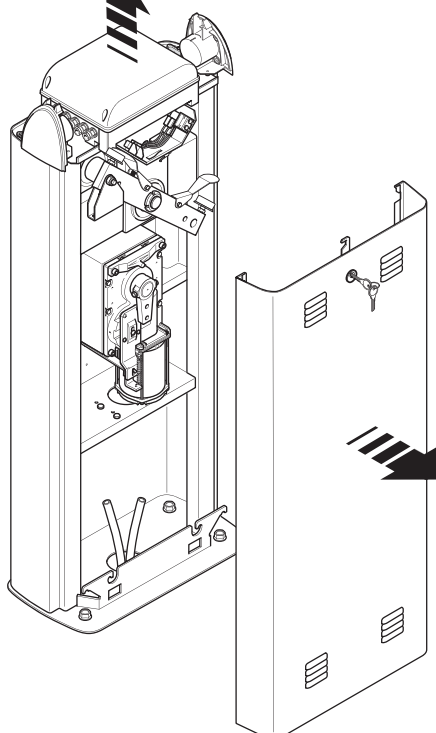
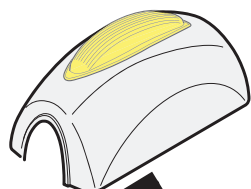
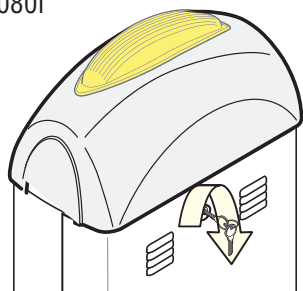
5.2 Equipment and materials

Make sure to have at hand all the instruments and materials necessary to carry out installation in utmost safety, according to the prevailing regulations. Here are a few examples.



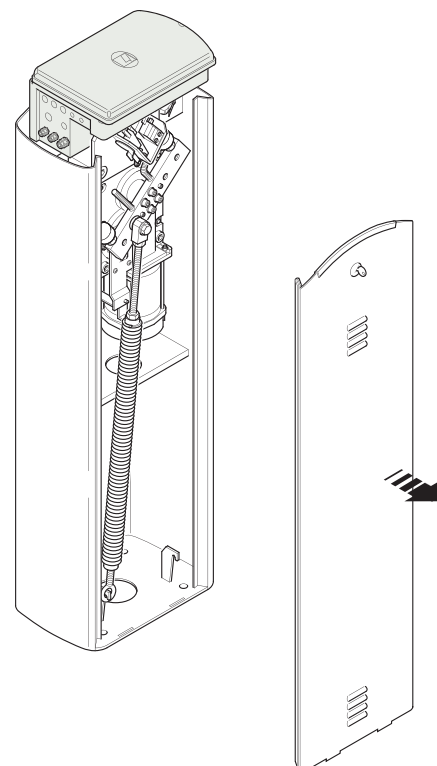
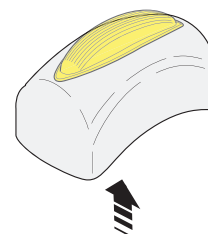
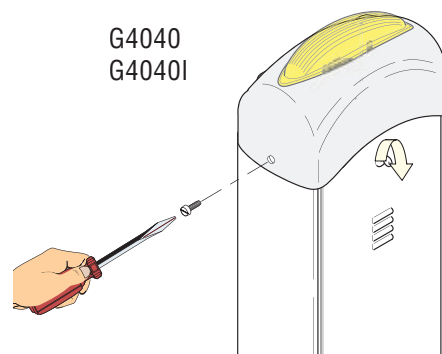
5.3 Connection to battery charger board

G2080
G2080I



Insert the key and turn it in a clockwise direction; for G4040/G4040I also unscrew the cover mounting screws, as shown in the figure

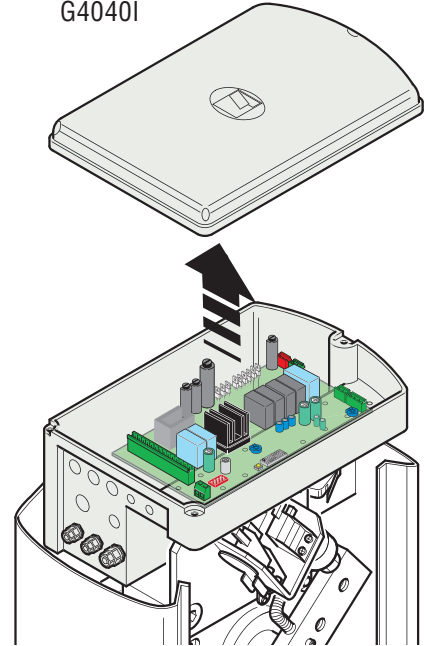
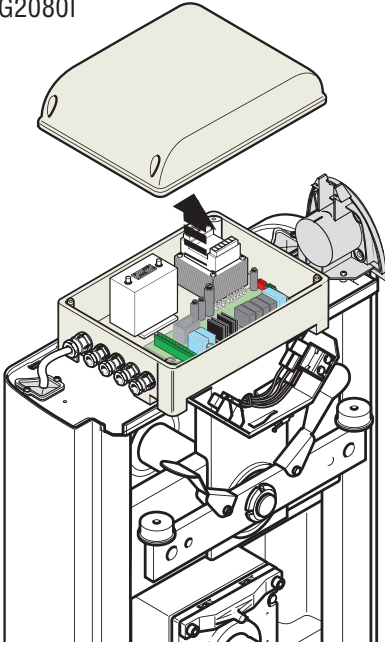
G4040
G4040I



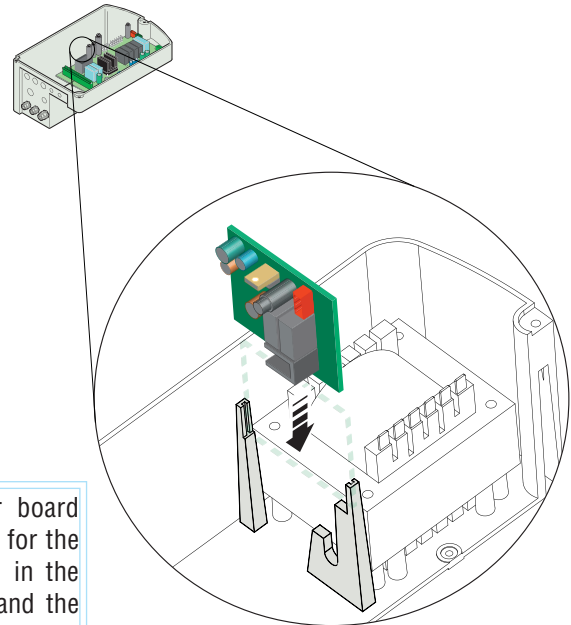
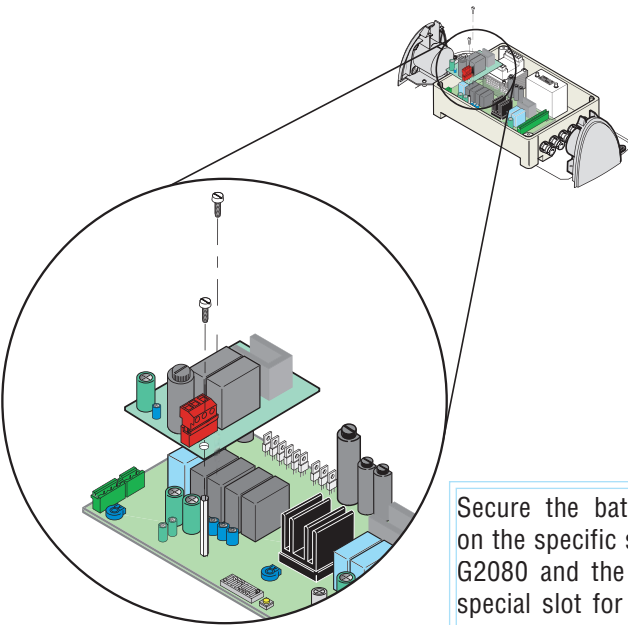
Remove the cover, being careful of all the power wires of the flasher (if installed). After this, remove the front door.

G2080
G2080I

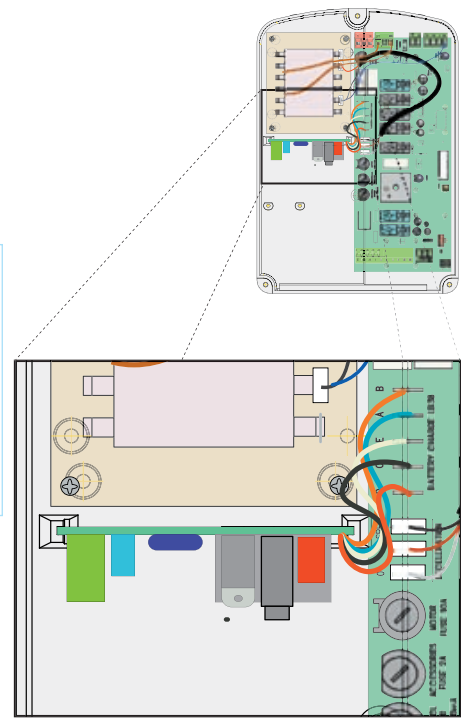
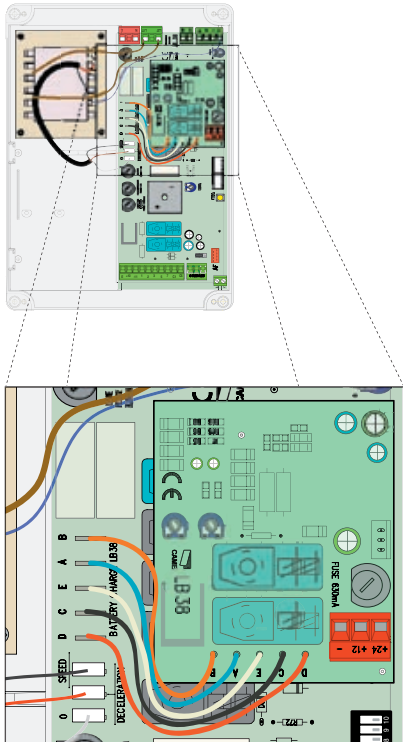
G4040
G4040I



Unscrew the mounting screws of the cover and raise it in order to access the ZL38 board.

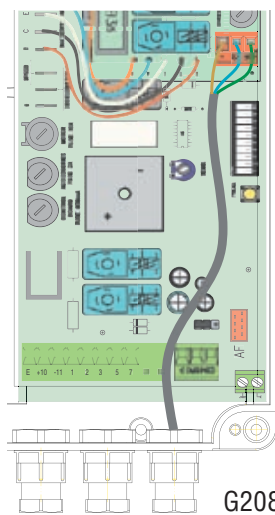


Secure the battery charger board on the specific spacing bars for the G2080 and the G2080I and in the special slot for the G4040 and the G4040I.



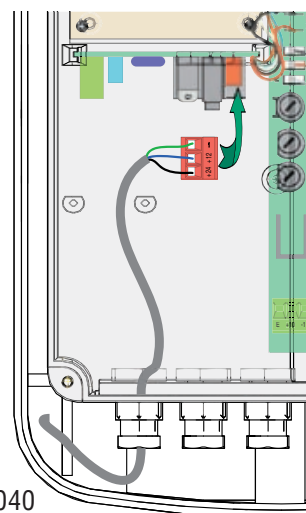
Remove the trigger guards on the electrical board and connect the battery charger board to the main board, being careful to observe the initials on the cables, which must correspond to the initial on the board (A with A, B with B, etc.)

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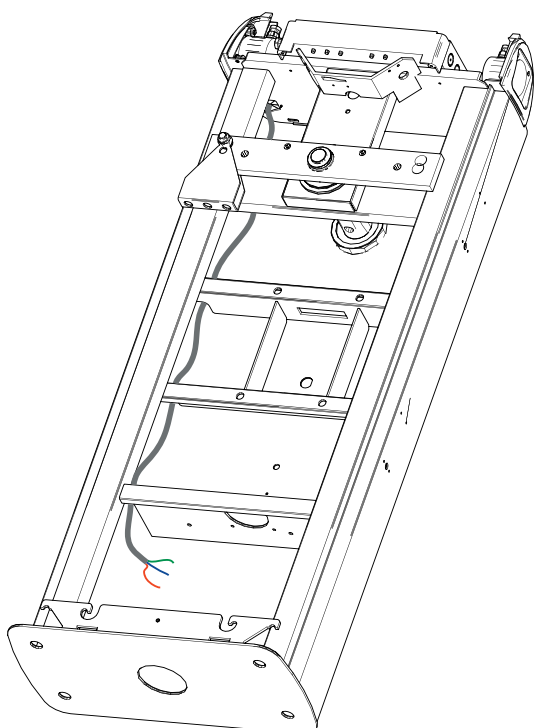


G2080
G2080I

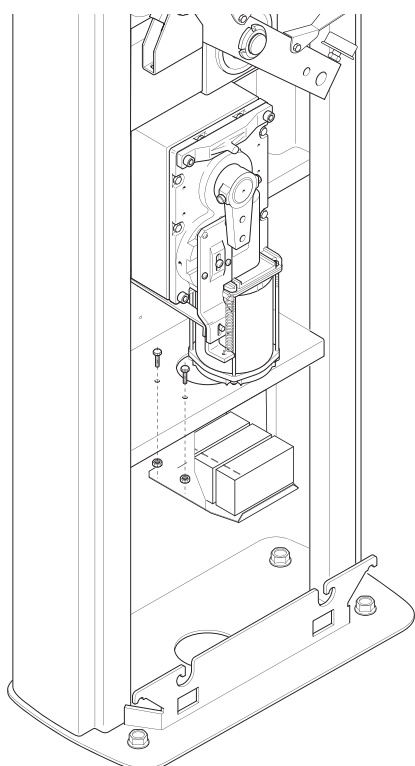
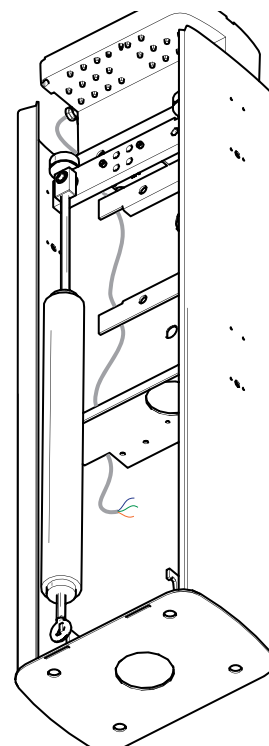
Connect the three-pin FROR CEI 20-22 CEI EN 50267-2-1 3x1.5 mm² cable into the specific connector and make it pass through an appropriate cable clamp (not supplied)



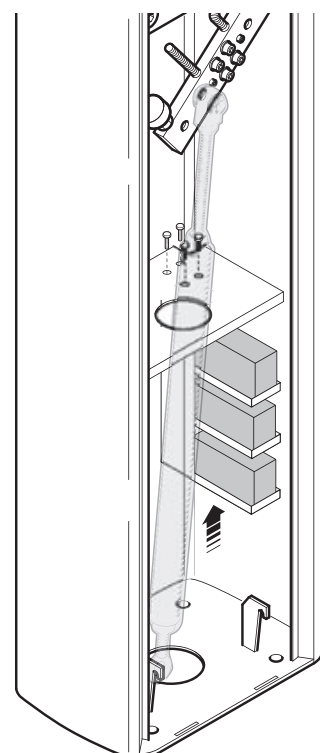
G4040
G4040I



Thread the cable through the niches of the raceway as shown in the figure

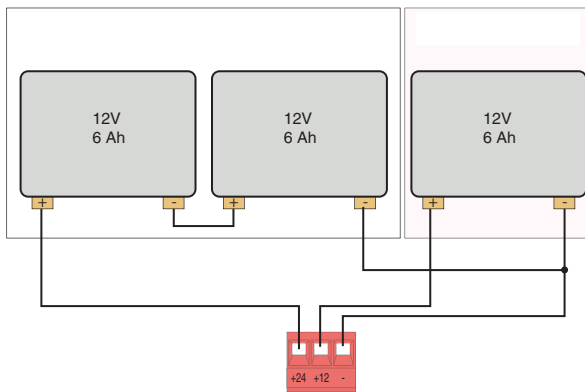


Fasten the battery support (art. 001G02805) into a central position for the G2080 and the G2080I, while, for the G4040 and the G4040I, it is necessary to position the battery support (art. 001G03751) on the opposite side of the spring.



Connect the wires coming from the battery charger board to the batteries, observing the polarity (see illustration)

N.B. Automatic operation of the gate is guaranteed for battery power supply no less than 20V D.C. for the board and no less than 10V D.C. for the 4KW motor. If the gate fails to function, check the connection of the board with the respective connector.



6 Malfunctioning

The green LED fails to come on: check the cables connecting the board or check the fuse of the board.

Lack of power and the red LED lights up: check the status of the batteries (see the paragraph above) or check the charge voltage. Disconnect the batteries and use a multimeter to check the voltage value on the connecting terminal of the batteries between the symbols - and 24V (the value must be 27V) and between the symbols - and 12V (the value must be 13.5V)

7 Disposal

This product, including the packaging, is made up of several types of materials which can be recycled. Explore your local recycling or disposal systems of the product, complying with the prevailing local legislation.

Some electronic components might contain polluting substances. Do not litter.

8 Manufacturer's warranty



MANUFACTURER'S DECLARATION

As per Enclosure II B of Machinery Directive 98/37/CE

Enclosed with the technical documentation (the original copy of the Declaration is available on request)

Date of the present declaration 07/12/2001

The representatives of

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

Hereby declare, under their own responsibility, that the product/s called ...

LB38

Also, they furthermore represent and warrant that the product/s that are the subject of the present Declaration are manufactured in the respect of the following main harmonized provisions:

- | | |
|---------------------|--|
| EN 292 PART 1 AND 2 | MACHINERY SAFETY. |
| EN 12453 | INDUSTRIAL, COMMERCIAL AND OTHER CLOSING MECHANISMS. |
| EN 12445 | INDUSTRIAL, COMMERCIAL AND OTHER CLOSING MECHANISMS. |
| EN 12978 | SAFETY DEVICES FOR POWER OPERATED DOORS AND GATES |
| EN 60335 - 1 | SAFETY IN APPARATUS FOR HOME USE. |
| EN 60204 - 1 | MACHINERY SAFETY. |
| EN 61000 - 6 - 2 | ELECTROMAGNETIC COMPATIBILITY. |
| EN 61000 - 4 - 4 | ELECTROMAGNETIC COMPATIBILITY. |
| EN 61000 - 4 - 5 | ELECTROMAGNETIC COMPATIBILITY. |

IMPORTANT CAUTION!

It is forbidden to market/use product/s that are the subject of this declaration before completing and/or incorporating them in total compliance with the provisions of Machinery Directive 98/37/CE

Signatures of the Representatives

TECHNICAL MANAGER
Mr. Gianni Michielan

MANAGING DIRECTOR
Mr. Paolo Menuzzo

... comply with the Italian National Legal Provisions that transpose the following Community Directives (where specifically applicable):
MACHINERY DIRECTIVE 98/37/CE
LOW VOLTAGE DIRECTIVE 73/23/EEC - 93/68/EEC
ELECTROMAGNETIC COMPATIBILITY DIRECTIVE 89/336/EEC - 92/31/EEC
R&TTE DIRECTIVE 1999/5/CE

All the data and information contained herein is considered subject to change at any time and at our discretion.

NOTE

All the data and information contained herein is considered subject to change at any time and at our discretion.

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