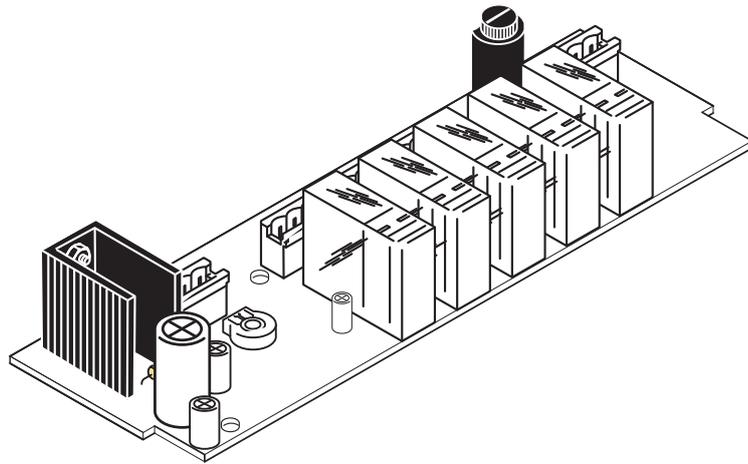


BATTERY CHARGER CARD FOR ZL180 CONTROL PANEL

LB180



INSTALLATION MANUAL

“IMPORTANT INSTALLATION, SAFETY INSTRUCTIONS”

“CAUTION: IMPROPER INSTALLATION MAY CAUSE SERIOUS DAMAGE, FOLLOW ALL INSTALLATION INSTRUCTIONS CAREFULLY”

“THIS MANUAL IS ONLY FOR PROFESSIONAL OR QUALIFIED INSTALLERS”.

1 Legend of symbols



This symbol tells you to read the section with particular care.



This symbol tells you that the sections concern safety issues.

2 Intended use

The LB180 battery charger card is designed as an emergency device for the ZL180 electronic card.



Any use, other than that above described and, any installations other than those described in this manual, are forbidden.

3 Reference Standards

This product complies with the following standards: see declaration of conformity.

4 Description

Emergency functioning card for 24V d.c. gearmotors and battery recharging.

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.

4.1 Technical features

Idle draw with power up: 150 mA

Idle draw with batteries working: 160 mA

Charging power = 27W

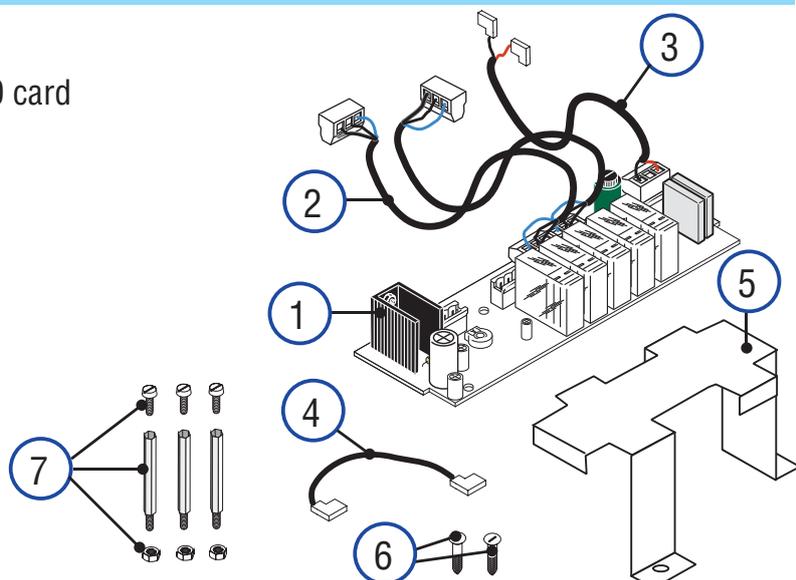
Voltage power: 24V

Charging voltage = 150mA Max.



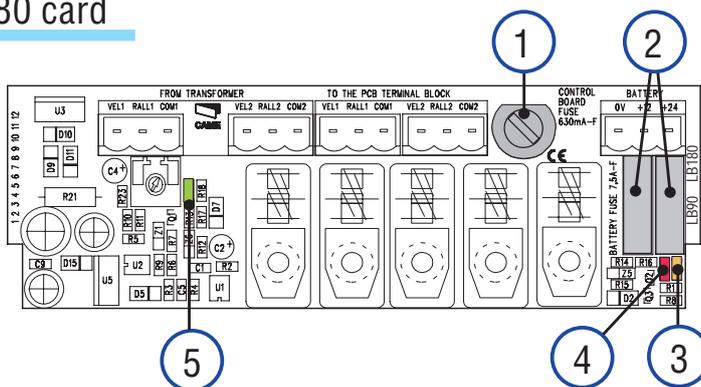
4.2 Description of parts

- 1) LB180 card
- 2) Connection cable for the ZL180 card
- 3) Battery cable
- 4) Batteries' connecting cable
- 5) Battery rack
- 6) Battery rack securing screws
- 7) Battery rack securing screws



4.3 Main components of the LB180 card

- 1) Card fuse 630 mA
- 2) Battery fuse 7,5 A
- 3) Yellow led: batteries working
- 4) Red led: batteries down
- 5) Green led: line voltage up



5 Installation

5.1 Preliminary checks

⚠ Every time you connect or disconnect the card, cut the main power supply to the system and disconnect the batteries.

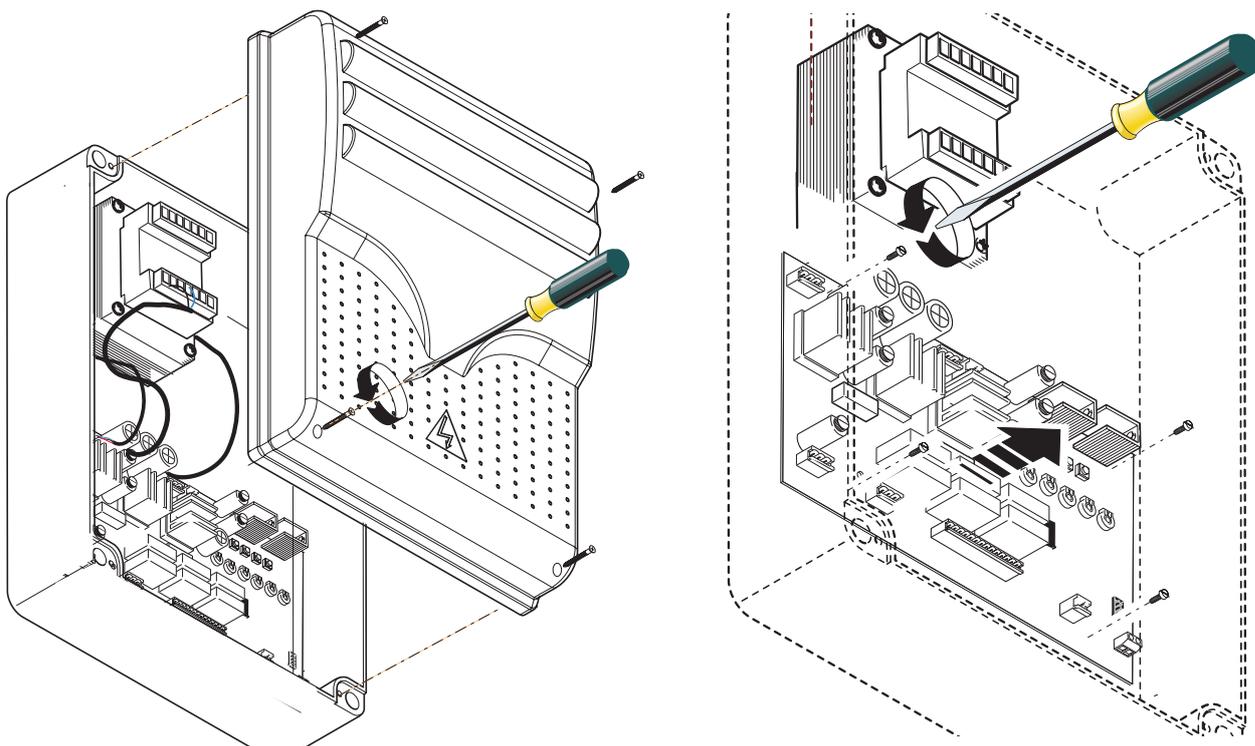
5.2 Tools and materials

Make sure you have all the tools and materials you will need for the installation at hand to work in total safety and compliance with the current standards and regulations. Following are some example drawings.

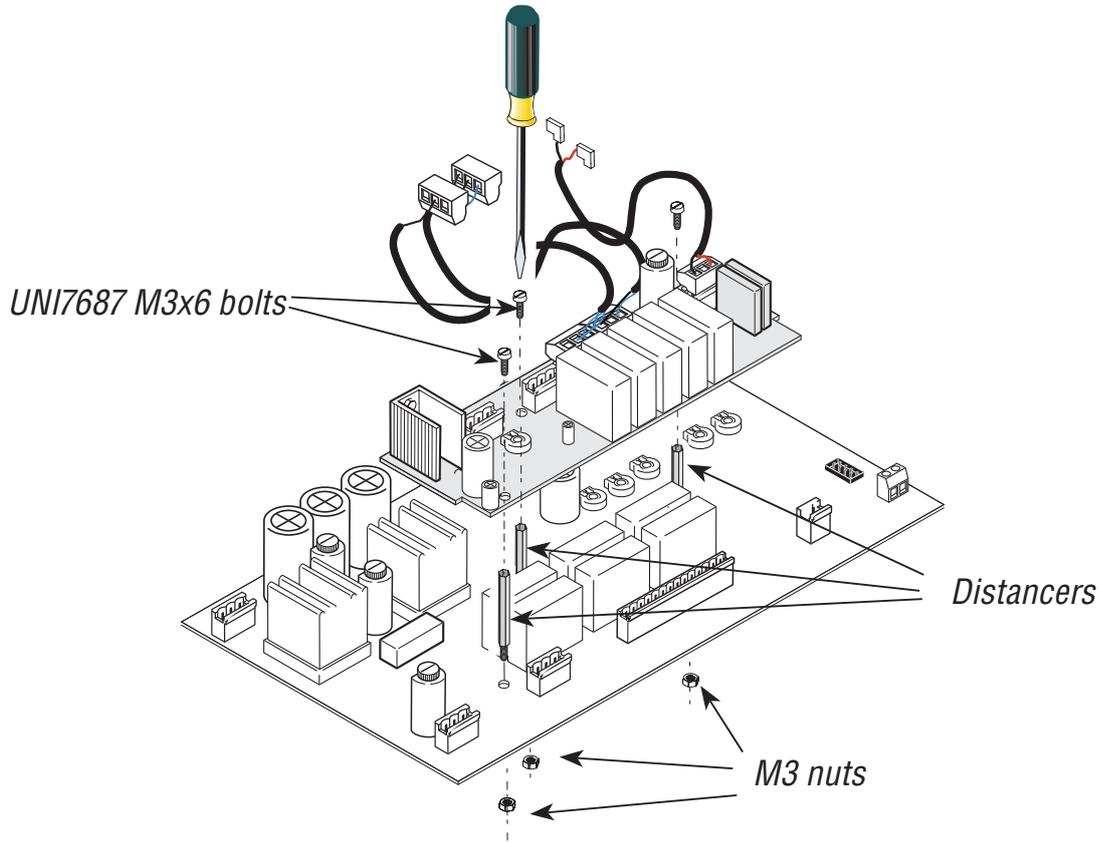


5.3 Mounting and electrical connection to the ZL180 panel

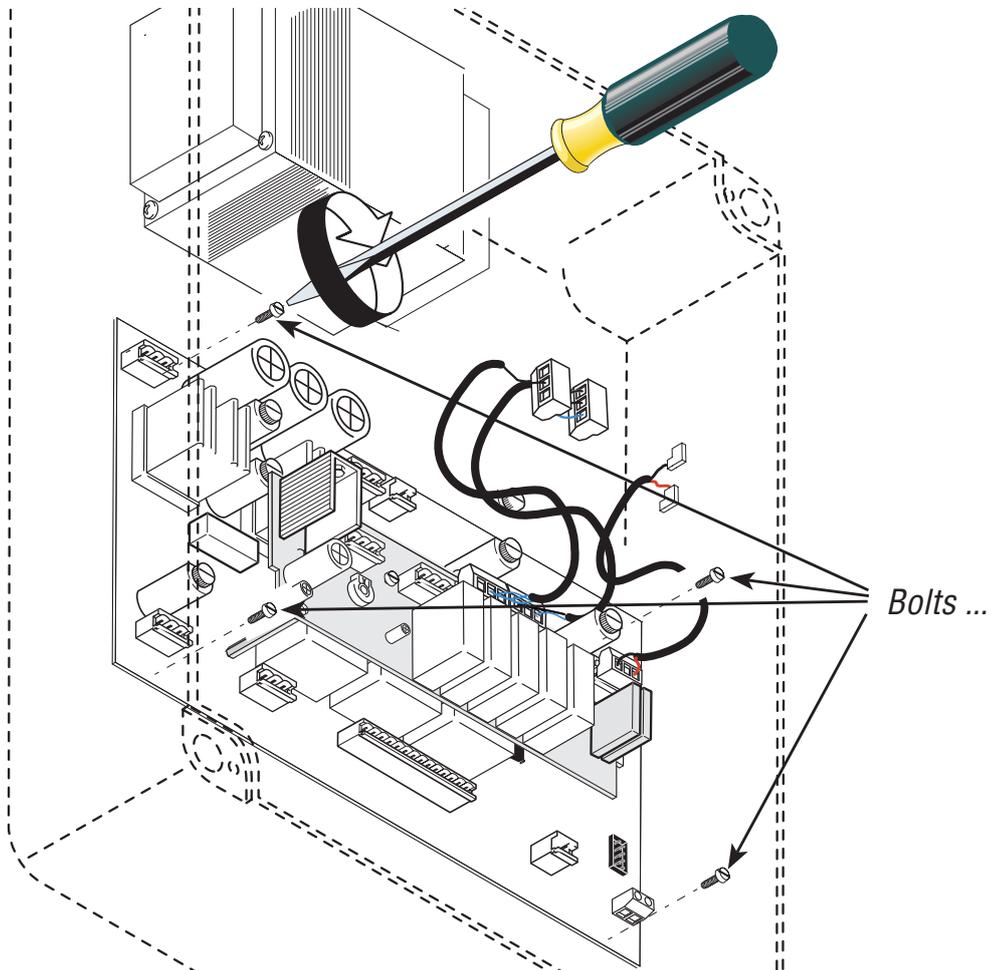
- Remove the container cover and loosen the four bolts on the ZL180 card.



- Affix the LB180 card atop the electronic card making sure the holes match using the distancers, nuts and bolts supplied.

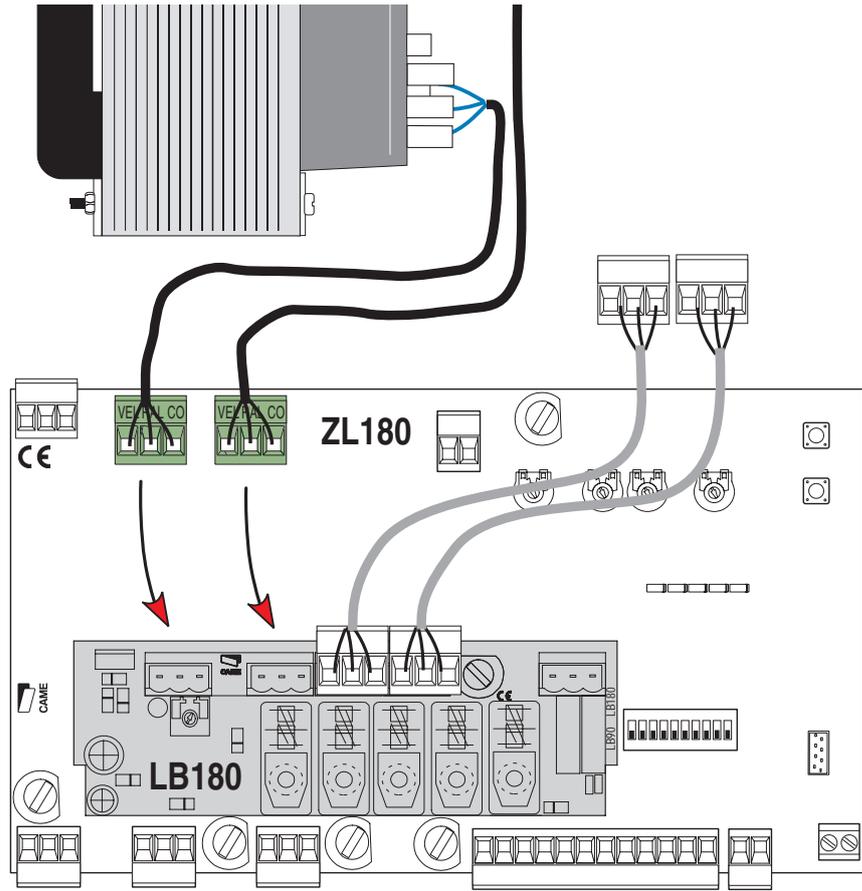


- Secure the ZL180 card in the container.

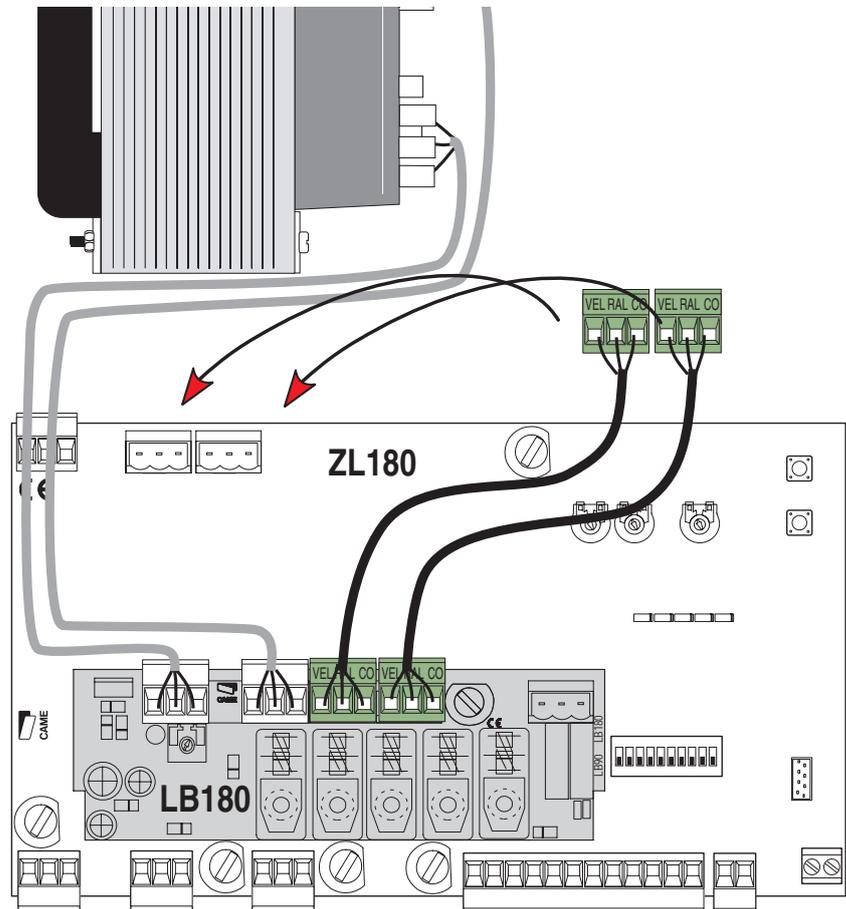


The data and information shown in this manual may be changed by CAME cancelli automatici s.p.a. at any time without prior warning.

- Remove the (26V-17V-=-V) transformer terminal from the ZL180 electronic card and insert it into the free (VELL1-RALL1-COM1 from transformer) slot of the LB180 card.



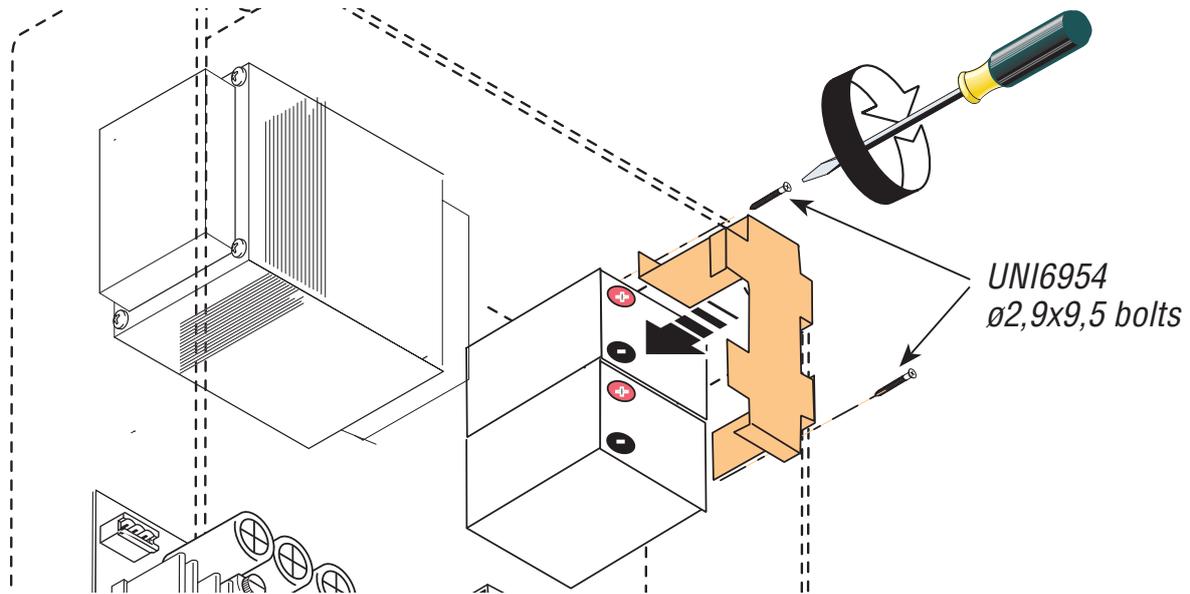
- Connect the cards by inserting the terminal-fitted cables of the LB180 card into the free terminal slots of the ZL180 card.



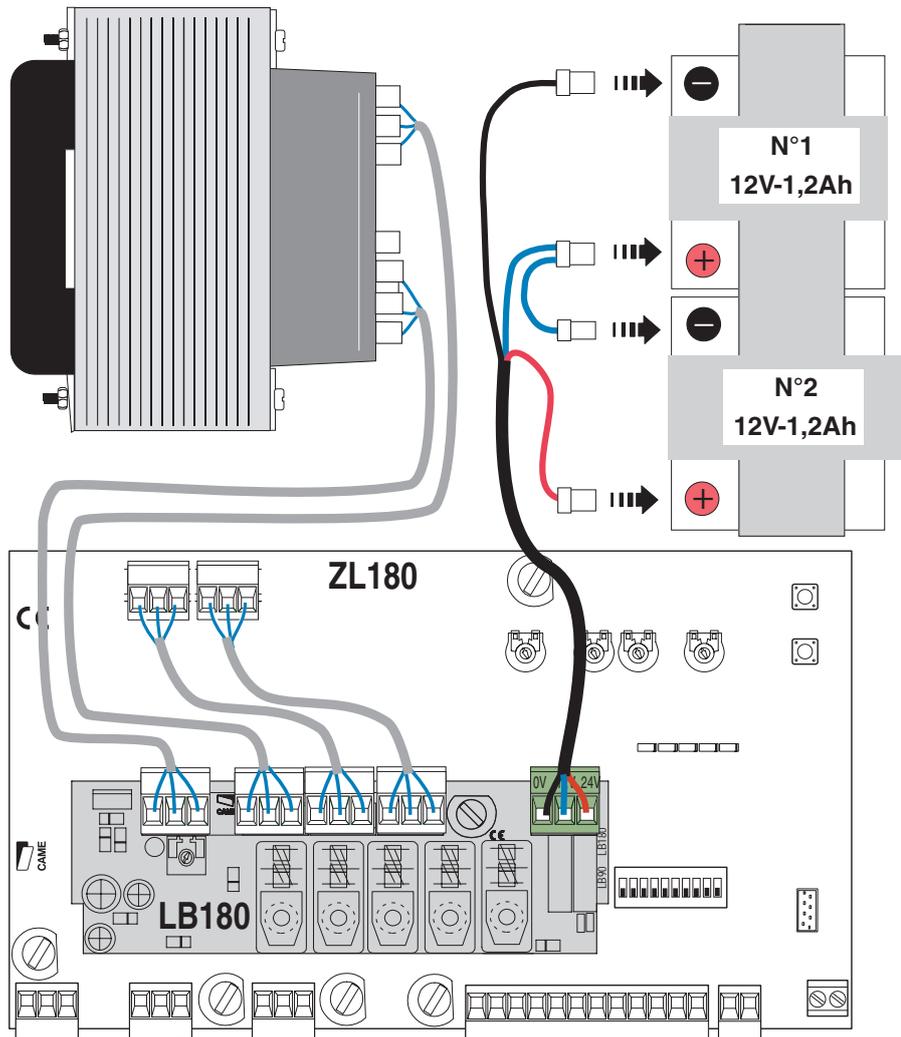
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- Insert the **12V-1.2Ah** batteries (not supplied) into the container, secure them using the rack and self-threading screws.

Note: the 12V-1.2Ah batteries power the gearmotors for just one emergency run. To increase the number of runs you will need to install 7Ah batteries in an external container.



- Connect the LB180 card to the batteries using the supplied cable with connectors. Insert the plug with the black wire to the (neg (-) pole) into one of the two batteries or the red one into the (pos (+) pole) of the other one. Connect the free poles to the remaining cable.



6 Before powering up the system, secure the protective cover.

6 Phasing out and disposal



Our products are made of different materials. The majority of these (aluminium, plastic, iron, and electric cables) are considered solid urban waste. As such they can be recycled by certified centres after proper collection.



Other components (such as electronic cards, batteries and transmitters) constitute environmental hazards. They must thus be turned in to specialised firms for their processing and disposal.

7 Maker's statement



MANUFACTURER'S DECLARATION OF CONFORMITY

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



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EN 13241-1 EN 12635 EN 61000-6-2
EN 12453 EN 12978 EN 61000-6-3
EN 12445 EN 60335-1 EN 60204-1

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

LB180

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

98/37/CE - 98/79/CE	MACHINERY DIRECTIVE
98/336/CEE - 92/31/CEE	ELECTROMAGNETIC COMPATIBILITY DIRECTIVE
73/23/CEE - 93/68/CE	LOW VOLTAGE DIRECTIVE
89/106/CEE	CONSTRUCTION PRODUCTS DIRECTIVE

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

AMMINISTRATORE DELEGATO
Sig. Andrea Menuzzo

Reference code to request a true copy of the original: **DDF B EN A001d**

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