

BOOSTER art. 07022-00-0 FOR ELETTRIKA LOCK SERIES: IA610 - IA611 - IA630 - IA631 - 1A721 - 1A731 - INSTALLATION INSTRUCTION

This product is compliant with the European directives EEC89/336, EEC 92/31 and EEC93/68 on electromagnetic compatibility according to the EN50081-1 and EN50082-1 standards.

DEVICE DESCRIPTION

The booster is on electronic circuit (see Fig. 1) enabling to obtain the following additional functions:

- Electric lock guaranteed operation with input voltage different from 12Vac: the booster can adjust to 2vdc, 24Vac and 24Vdc (voltage adapter function)
- Lower absorption: for all installations requiring low current absorption loads (see electric specifications)
- Undersized electric input: the booster ensures sufficient electric power to the lock.
- Electric hold open device

CE ELECTRIC SPECIFICATIONS

Input voltage (20°C)

12Voc; 12Vdc; 24Vac; 24Vdc

Typical holding current

(20°C, 12Vdc/Vac) 150mA

Working temperature [-20, +80] °C

Highest condense humidity 95%

Electric specifications may vary with respect to the specified values according to the device working temperature.

INSTALLATION

- A. The booster is Riled directly to the Elettrika framework thanks to the special pre-setting, using the 2 supplied M4 x 12 Hot-headed self-tapping screws (see Fig. 2). Connection is provided by the booster coil-cable to the lock coil connector (see Fig. 2). After the booster has been correctly connected to the electric lock, connection to the remote push-button must be provided (see Fig. 3).
- B. Two boosters may be connected in parallel on two Elettrika units (see fig. 4). By following the installation directions given in point a), two Elettrika + booster units can be connected in parallel, controlled by the some push-button.

CAUTION: in order for the booster to operate correctly, the opening control must be held down for at least 0.5sec.

NOTE: a standard electric lock may be connected, compatibly with its electric specifications. Connection is provided by the booster coil-cable to the lock coil connector (connection B in 6gure 6). Alter completing the connection to the electric lock, the booster should be installed at a sheltered location (see fig. 6). Alter the booster has been correctly connected to the electric lock, connection to the remote push-button must be provided (Connection A in figure 6.)

ELECTRIC HOLD OPEN DEVICE

The booster enables to obtain the electric hold open function, too: the electric lock permanently remains in an opening condition, i.e. the opening control remains active. To enable this function:

- a) The electric lock "Opening mode" setting must be selected: the rotating hook is unlocked but the door remains ajar and must be pushed open (see the Elettrika instruction sheet).
- b) Use a switch-key to hold down the remote opening control (see fig. 5).

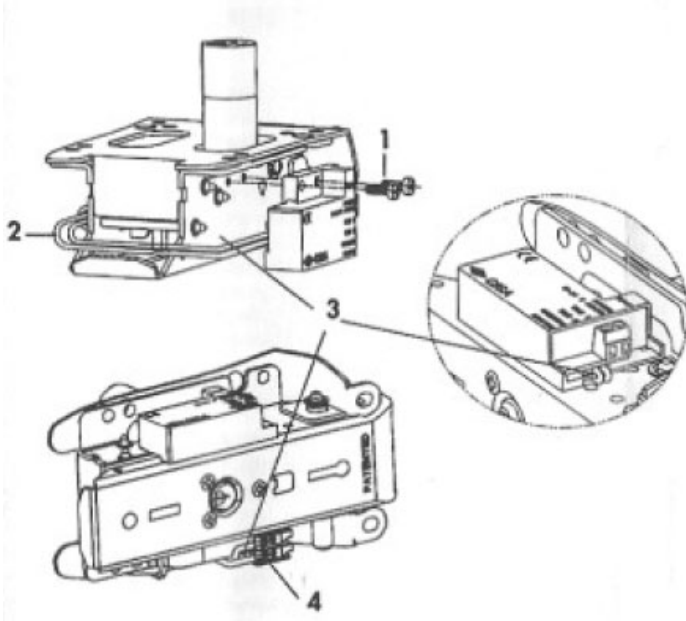
CAUTION: after turning off the hold open function, the device must be reset by opening and then closing the door or gate. In this way, the user will be sure that the door has been safely closed.

FIG 1



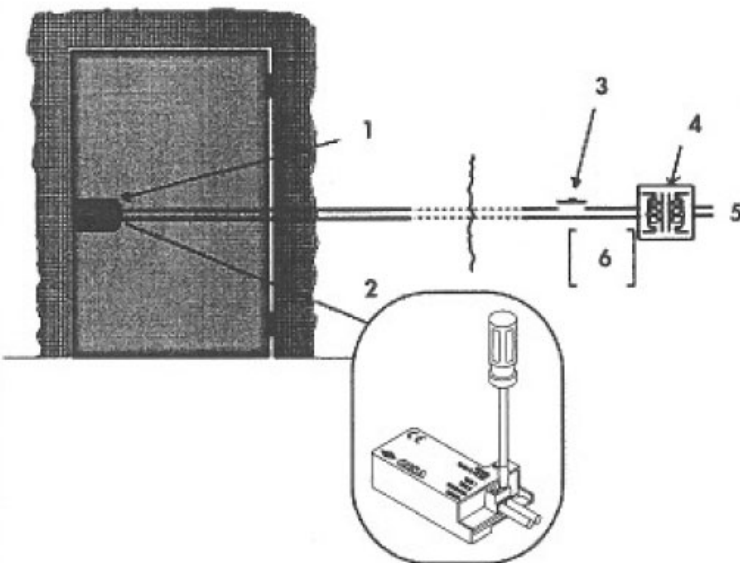
1. Electric Lock Coil Control Cable
2. Booster input connector

FIG 2



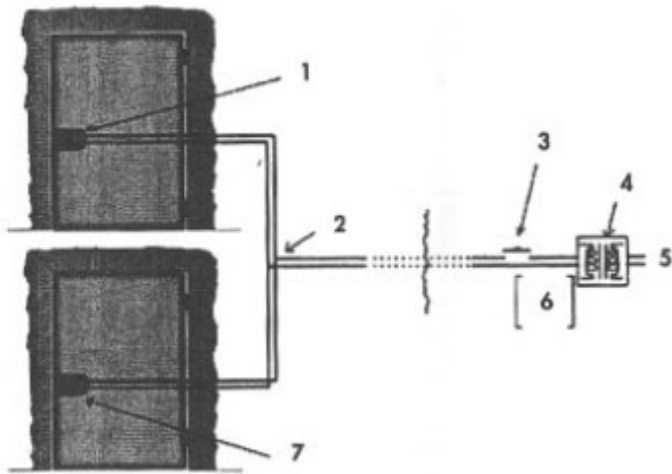
1. Elettrika booster self-tapping screw fixing
2. Booster coil cable
3. Elettrika booster coil cable route
4. Elettrika coil connector

FIG 3



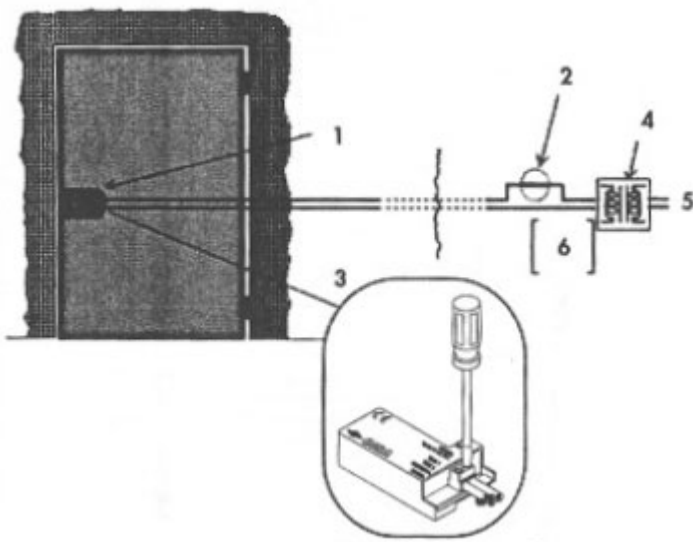
1. Elettrika + Booster
2. Power booster connection
3. Pushbutton (remote control)
4. Transformer
5. 220V mains
6. 12 Vac, 12Vdc, 24Vac, 24Vdc

FIG 4



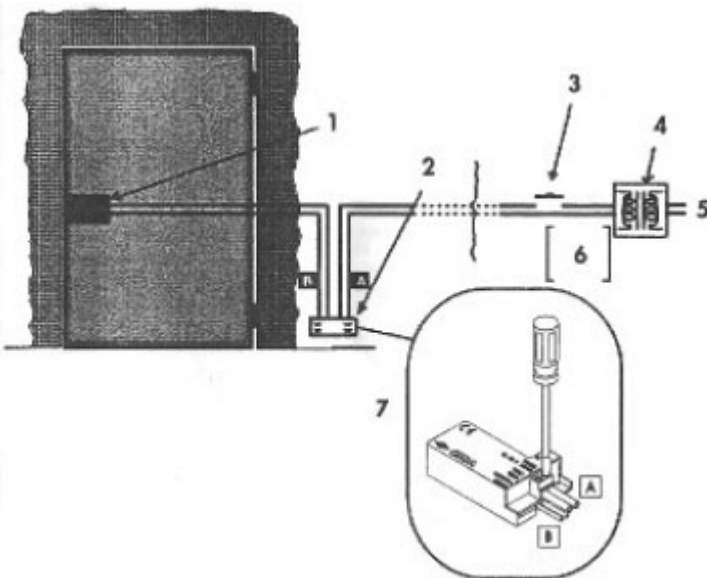
1. Elettrika + Booster
2. Power booster connection
3. Pushbutton (remote control)
4. Transformer
5. 220V mains
6. 12 Vac, 12Vdc, 24Vac, 24Vdc
7. Elettrika + Booster

FIG 5



1. Elettrika + Booster
2. Switch-Key (Remote control is pressed)
3. Power booster connection
4. Transformer
5. 220V Mains
6. 12Vac, 12Vdc, 24Vac, 24Vdc

FIG 6



1. Electric Lock coil wires
2. Sheltered place to contain booster
3. Pushbutton (remote control)
4. Transformer
5. 220V Mains
6. 12Vac, 12Vdc, 24Vac, 24Vdc
7. Booster connection