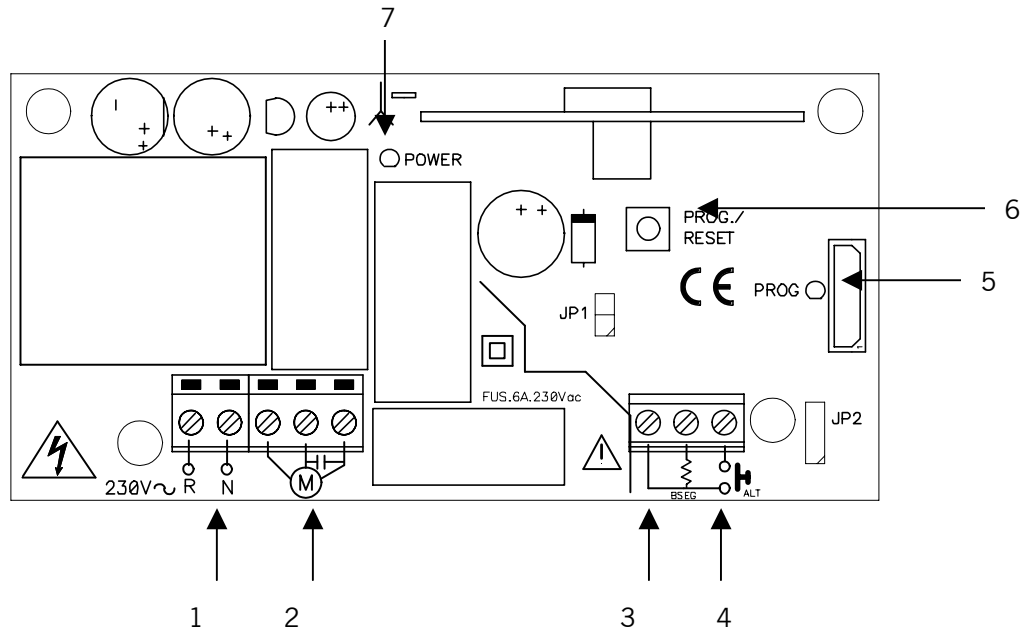


ROLLER-MOTION

Control panel with built-in receiver for axis centre motors and operators for roller doors and shutters. This enables two types of operation: “step-by-step” operations and open/close operations. It enables the memorising of 15 radio transmitters using the programming button.

It is fitted with an inlet for the start/stop button and another for two safety edges.



- 1- Power supply 230Vac
- 2- Motor (common – N – N)
- 3- Safety edges connection
- 4- Start button connection (NO)
- 5- Programming led
- 6- Programming / reset button
- 7- Power led

CHARACTERISTICS

	Receiver characteristics
Frequency	868.35MHz
Coding	High safetychanging code
Memory	15 codes
	Panel characteristics
Supply	230Vac ±10%
Maximum motor power	0.75CV
Standby/Op. consumption	23mA / 42mA
Motor fuse	6A
Inputs	Start/stop and safety edges
Handling time	1 second - 2 minutes (45 seconds by default)
Op. temperature	-20°C to +85°C
Watertightness	IP54 (with IP65 packing seal)
Box dimensions	140x220x55mm

ROLLER-MOTION INSTALLATION AND CONNECTIONS

Fit the rear of the box to the wall using the rawlplugs and screws supplied. Pass the cables through the bottom of the equipment. Connect the power supply cables to the terminals on the printed circuit, following the indications engraved on the board. Fit the front of the equipment to the rear using the screws supplied.



OPERATING

CONTROL PANEL OPERATIONS

Power supply: The green pilot light indicates the correct power supply to the equipment.

SEMI-AUTOMATIC OPERATING (JP1 in ON)

Connect an alternative NC button to the terminals marked ALT. This button carries out two functions: start and stop.

Start/stop button: All functions can be carried out with the same button. When the button is pressed for the first time, the motor starts, when pressed for the second time (if it has not reached the limit switch) it stops and the third time it closes.

Safety edge (S.EDGE): Resistive contact for resistive safety edge (8,2kΩ). This acts on opening and closing, causing 1 sec. stoppage and inversion.

JP2	Safety edge jumper
B1	Jumper on position B1 if only one safety edge is used
B2	Jumper on position B2 if no safety edge is used (factory settings)
No jumper	If two safety edges are used (parallel connection)

A security device (photocells, normally closed contact) can be connected in series with the safety edge. The activation of this security device causes a total reversion of the door.

DEAD MAN OPERATING (JP1 in OFF)

ROLLER-MOTION

Open/close dead man operating

Using pushbuttons

Connect two pushbuttons. One on the ALT terminal that will operate as a dead man button in opening, and the other on the BSEG terminal that will operate as a dead man button in closing. The JP2 bridge must be situated on B2 (operating without safety edges).

By radio

To operate in dead man by radio is possible with the wireless pushbutton or with the wireless key switch.

Semi-automatic operating in opening and dead man operating in closing

Connect two pushbuttons. One on the ALT terminal that will operate as an opening/stop button in opening, and the other on the BSEG terminal that will operate as a dead man button in closing. In case of using a safety edge in opening, it is necessary to remove the JP2 jumper. If safety edges are not used, situate the JP2 bridge on B2.

By radio

To operate in dead man by radio is possible with the wireless pushbutton or with the wireless key switch.

*There exists a special version with semiautomatic operation without security in opening and dead man in closing.

TIME PROGRAMMING

The door must be completely closed (or open) before starting time programming. Press the PROG/RESET button for 1 second to enter programming. The red PROG pilot light will come on and the equipment will emit an acoustic signal. Use the ALT button to programme the run. The first time ALT is pressed, the door opens (or closes). The second time it is pressed, it stops and programming is exited (the red pilot light goes out). The opening and closing time will now have been programmed.

RECEIVER OPERATIONS

Upon receiving a code, the equipment checks whether it is in its memory, activating the corresponding relay.

Manual programming

1) Normal programming

Press the programming button for 1 sec. The programming pilot light will come on and the equipment will emit an acoustic signal. The equipment will enter normal programming. Send the code and the channel to be programmed by pressing the transmitter.

Every time a transmitter is programmed, the equipment will issue an acoustic signal for 0.5 sec. After 10 seconds without programming or by pressing the programming button, the equipment will exit programming mode, issuing two 1 sec. acoustic signals. If, on programming a transmitter, the equipment memory is full, it will issue seven 0.5 sec. acoustic signals and exit programming.

By pressing the transmitter channel, opening and closure is activated in step-by-step operating mode.

ROLLER-MOTION

2) Open/close programming

Press the programming button until the red pilot light flashes and the equipment emits a short acoustic signal. The equipment will now have entered open/close programming. Press the required channel of the transmitter to be programmed. The first channel opens and the second closes (3rd channel opens and 4th channel closes).

Every time a transmitter is programmed, the equipment will issue an acoustic signal for 0.5 sec. After 10 seconds without programming or by pressing the programming button, the equipment will exit programming mode, issuing two 1 sec. acoustic signals. If, on programming a transmitter, the equipment memory is full, it will issue seven 0.5 sec. acoustic signals and exit programming.

Note: Each transmitter channel can be configured independently on the equipment, occupying only one memory position.

Programming by radio

To enter programming, press the first two buttons on a transmitter that has already been registered on the equipment. The equipment will issue a 1 sec. acoustic signal. On pressing any button on the new transmitter, the equipment will issue another 1 sec. acoustic signal to indicate that it has been memorised. The new transmitter will maintain the same channel configuration as the transmitter registered.

After 10 seconds without programming or by quickly pressing the programming button or pressing the first two transmitter buttons, the equipment will exit programming mode, issuing two 1 sec. acoustic signals.

CODE CANCELLATION

TOTAL RESET

In programming mode, the programming button is held down for over 10 sec. The equipment will issue 10 short acoustic warning signals followed by others at a faster pace to indicate that the operation has been successful. The equipment is now in programming mode. The pilot programming light will also follow the acoustic indications by flashing.

After 10 seconds without programming or quickly pressing the programming button, the equipment will exit programming mode, issuing two 1 sec. acoustic signals.

USE OF THE RECEIVER-PANEL

This receiver-panel is designed for use as a remote control for garage doors.

Its use is not guaranteed for directly activating any other equipment different to that specified.

The manufacturer reserves the right to modify equipment specifications without prior notice.

IMPORTANT SAFETY INSTRUCTIONS FOR INSTALLATION

- Disconnect the power supply before handling the equipment.
- Before installing the panel, remove all unnecessary ropes or chains and disable any equipment such as locks that is not necessary for the automatic operation.
- Before installing the panel, check that the door is in good mechanical condition, correctly balanced and that it opens and closes correctly.
- Install the manual unlocking device at a height lower than 1.8m.
- Install any permanent control next to the door away from any moving part and at a minimum height of 1.5m.
- An easily accessible disconnection device must be fitted to the wiring for permanently connected equipment. It is wise for this to be an emergency switch.
- When the equipment is switched on for the first time, check that the first time the start button is pressed causes the opening movement (and not closure).
- For correct use of the safetyedge, this must never be activated when the door is fully closed. It is wise to install the ends of run before activating the edge.

ROLLER-MOTION

- This equipment can only be handled by a specialist fitter, by maintenance staff or by a suitably trained operator.
- To connect the power supply and motor wiring, 3.8 mm² section terminals must be used.
- Fuses must only be handled when the appliance is disconnected from the mains.
- The instructions for using this equipment must remain in the possession of the user.
- European door normative EN 12453 and EN 12445 specify the following minimum protection and door safety levels:
 - for equipment for residential, commercial and light industry use, prevent the door from being able to come into contact with any object or limit the contact force (e.g. safetyedge).

IMPORTANT SAFETY INSTRUCTIONS FOR USE

- Do not allow children to play with the door controls.
- Keep the remote controls out of the reach of children.
- Watch the door movement and keep people away until the door is fully open or closed.
- Precaution when operating the manual unlocking device, as the door may suddenly fall due to the bad condition of the springs or door unbalance. Details on how to use the manual unlocking device must be provided by the manufacturer or the device installer.
- Examine the installation frequently, especially the cables, springs and supports, to detect signs of wear, damage or unbalance. Do not use the door if repair work or adjustments are required, as this may cause damage.