



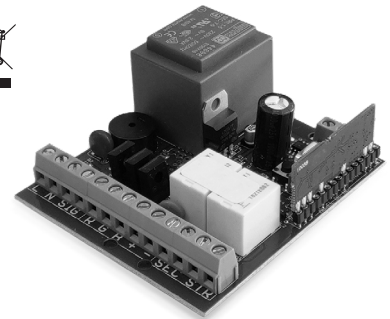
MR13



v5.3 REV. 04/2024



EN



OPERATION/PROGRAMMING MANUAL

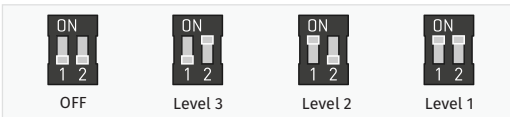
TECHNICAL CHARACTERISTICS

• Operation Frequency	433,92MHz
• Power Supply	230Vac
• Code type	12bits/Rolling Code
• MR13 Code memorization	1 Device
• Transmitters memorization	30 Max.
• Relay	30Vdc 1A
• Temperature	-25°C to +55°C
• Box dimensions	88 x 147,5 x 59 (mm)
• Free field reach	30m
• Output accessories	12Vdc 2W
• Protection Level	IP22

Wireless receiver, which allows the reception of Motorola ROLLING CODE remote controllers and MX13 transmitters signals, for safety circuits (eg safety bands, magnetic contacts). This receiver allows the use of a single MX13 transmitter.

DIPPER

Dippers 1 and 2 define the time interval for receiving test signals MX13. This communication is made to ensure that both handsets are working perfectly.



OFF → Function deactivated

Level 1 → Occasional communication, to improve energy

Level 2 → Intermediate between efficiency and consumption

Level 3 → Constant and most effective communication, but with the highest energy consumption.



For the MX13 and MR13 devices to be synchronized, you must configure dippers 1 and 2 in the same way on both devices.

LEARN BUTTON

This button is used when programming Rolling Code Motorline remote controllers or MX13 transmitter.

Programming Remote Control:

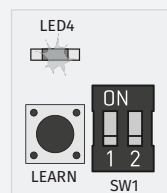
- 1 • Press the **LEARN** button once and the **LED4** will blink once.
- 2 • Then press the button you want to program.

Programming MX13 transmitter:

- 1 • Press rapidly the **LEARN** button 2 times and the **LED4** flashes 2 times.
- 2 • Press the **PROG** button on the MX13 only once.



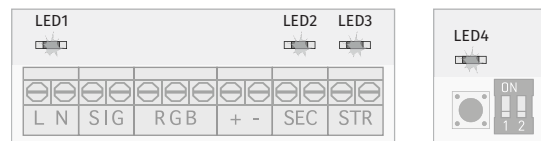
To reset the memory, press the button for 10 seconds and all memorized remote controls and MX13 will be erased..



While pressing the **LEARN** button, the **LED4** is on. After 10 seconds, the **LED4** will flash and switch off confirming the operation.

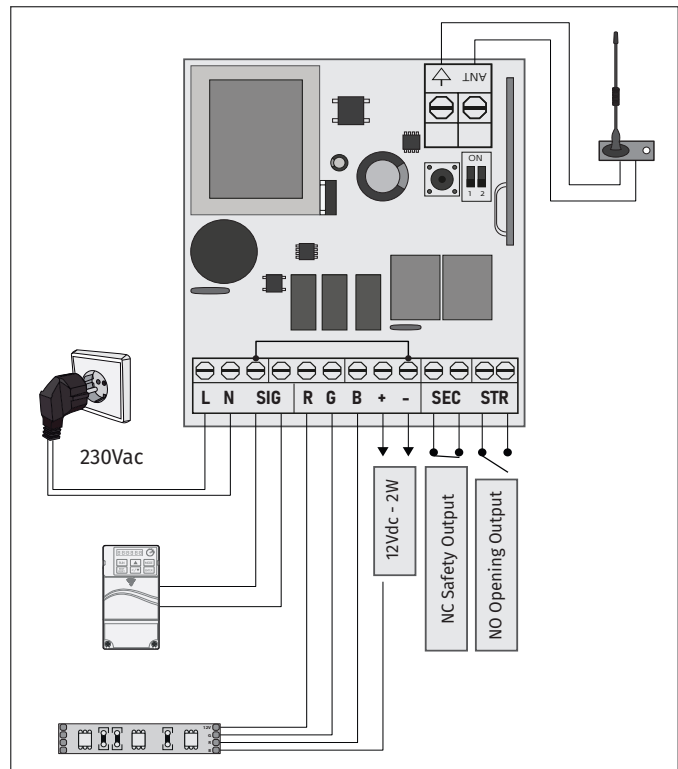
LED

- **LED 1:** (ON) Indicates that it is being powered at 230V ac.
- **LED 2:** (ON) Contact "SEC" closed | Contact "SEC" opened (every time an MX13 signal is sent the contact opens).
- **LED 3:** (ON) Contact "STR" closed | Contact "STR" opened
- **LED 4:** Programming Led



CONNECTORS

- **L/N:** 230Vac power input.
- **SIG:** Pulse input (exclusive use in the MC112, MC113 and MC114 control board).
- **R/G/B:** RGB led connection (exclusive use in the MC112, MC113 and MC114 control board).
- **+/-:** Power supply of external accessories (max 2W).
- **SEC:** NC safety signal output.
- **STR:** NO Opening signal output
- **ANT:** Antenna hot pole input
- **↓:** Antenna mass input



Types of audible signaling (beep):

Continuous Beep → "contact with obstacle" warning

Intermittent Beep → communication failure warning, due to a failure or lack of batteries