

3020 | Automation for 1 230 VAC roller shutter motor

GENERAL INFORMATION

The automation board is designed to control rolling shutters with 230VAC motors. It is intended for use in domestic and professional installations and must be installed by people with basic technical knowledge of electrical engineering and automation. The device is an automation component and not a complete machine. **The final installation of the door must meet the safety requirements applicable to the door itself.**

IMPORTANT SAFETY INFORMATION

- The product must be used and installed in installations in accordance with its design
- Save these instructions for future reference
- Ensure that there is proper grounding
- Before proceeding with any wiring or programming, turn off the power supply
- It is necessary to use a 6A/30mA differential leakage relay to power the equipment
- Do not change or modify the automation materials without first contacting Profelmnet
- Do not allow children or pets to be near the door when it is in operation
- Keep the automation controls away from children to avoid unintentional operation of the door
- Installation, maintenance or repair of the automation should be carried out by qualified personnel
- Profelmnet as the manufacturer reserves the right to make changes to the product without notice
- Anything not listed in the above instructions is not recommended
- Installation must be done with the power disconnected power supply.
- After installation, a complete door travel check must be carried out.
- Do not operate the door in the presence of people, animals or objects in its path.
- Before use, the installer must confirm that the door moves freely and without mechanical resistance.
- The automation does not have built-in obstacle detection.
- The correct adjustment of the mechanical limit switches and the selection of the appropriate function is the responsibility of the installer/individual who installs it. The automation operates with travel timing. The mechanical limit switches of the motor must be set accurately before use.
- The board has a “Dead-Man” (continuous pressure) function option, which can be activated by the installer where monitoring of the movement of the roller shutter/door is required. The Dead-Man function is indicated in installations without additional safety devices, so that movement is only possible under continuous pressure from the user.
- The activation or non-activation of this function is the responsibility of the installer, depending on the requirements of the installation and the safety measures that have been installed.
- When there are no safety devices installed (e.g. photocells, safety contact), the door/roller must only operate under supervision by the user.

TECHNICAL FEATURES

- Operating voltage: 230VAC / 50Hz
- Motor output: 230VAC
- Operating temperature: -20°C to +60°C
- Remote control receiver: Rolling code or Fixed code, depending on the model

CHECKING CORRECT OPERATION (Test Procedure)

After installation:

1. Check that the door moves without jamming.
2. Check the limit switches.
3. Perform 5 complete opening/closing cycles.
4. Make sure that the manual release works properly.

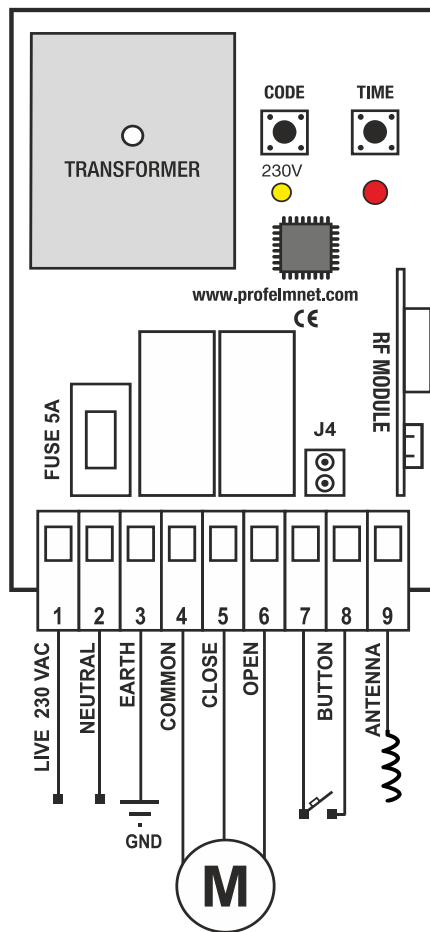
INSTALLATION SAFETY AND RESPONSIBILITY

The board is an automation component and does not provide complete protection against obstacles on its own. The final safety of the installation depends on the type of door/roller and the safety systems to be installed (photocells, safety contact, dead-man, mechanical terminals, etc.). The device does not have obstacle detection. When no safety devices are installed, the door must only be operated under user supervision. The board has a “Dead-Man” (continuous pressure) function option, which the installer can activate where movement supervision is required. The choice of function and compliance of the final installation with safety requirements are the responsibility of the installer.

The product complies with European Directives 2014/53/EU (RED) and 2014/30/EU (EMC). This board is an automation component and not a complete machine. The compliance of the final door/roller is the responsibility of the installer.



CONNECTIONS - SETTINGS



Power Supply

Terminals	Description EN
1	Line (L)
2	Neutral (N)
YOU MUST CONNECT THE SUPPLY GROUND TO THE MOTOR GROUND.	

Motor 1 Output

Terminals	Description (EN)
4	Motor Common
5	Motor Close
6	Motor Open

Command Input

Terminals	Description (EN)
7	Button Command NO
8	Command Common

Flashing Light Output

Terminals	Description (EN)
1	Flash 230V Output
3	Flash Neutral

Power supply 230VAC: Supply the automation with 230Vac. Check that the yellow 230V indicator is on. Press the remote control and check that the red receiver indicator lights up.

Working Time: The roller shutter automation, because there are no external limit switches, operates with the time that we have programmed. The roller shutter stops in the fully open or closed positions are made with the internal limit switches of the roller shutter which must first be correctly adjusted to the open and closed limits before using the automation.

After adjusting the roller shutter limit switches, we place the roller shutter in the fully closed position. We press **the time button (TIMER)** and **hold it down** until the roller shutter reaches the built-in opening limit switch, counting 2-3 seconds more.

Clear remote memory: Press the code button until the red receiver indicator lights up and hold it down until it goes out. All remote controls have been deleted.

Adding a remote control to memory: Press the code button and as soon as the red indicator light turns on, release it immediately. While the red indicator light remains on for 3 seconds, press the button of the remote control that you wish to operate the roller shutter wirelessly. As soon as the red receiver indicator light flashes briefly, release it. The remote control has been stored and now operates the door wirelessly. Repeat the same process to store other remote controls. Automation memory up to 300 remote controls.

Add remote control wirelessly: The roller shutter should be completely closed or completely open.

From a close distance, take the old remote control that operates the door and hold it down until the roller shutter stops (about 6-7 seconds). Immediately release it and within 3 seconds press the NEW remote control. Check that the new remote control works, otherwise repeat the process from the beginning.

DEAD-MAN Function: Place the jumper in position J4 to activate the DEAD-MAN function. As long as the control switch is pressed, the shutter moves either upward or downward. When the control switch is released, the shutter stops operating.

Controller Compatibility - Depending on the model you have

PS : Fixed Code 433.92MHz. Compatible FIXED CODE 433.92MHz remote controls

PSR/PN : Rolling Unique Code 433.92MHz. Compatibility with the SAME Unique Rolling Code.

Where do we look for the Unique Rolling Encoding Code?

On the automation there is a white sticker produced by Profelmnet. There, you will find the Unique Rolling Code, with which you search for compatible controls. On the automation there is a white sticker produced by Profelmnet. There, you will find the Unique Rolling Code, with which you search for compatible controls.