

01974

Actuator with 4 change-over relay outputs 16 A 120-230 V~, programmable with control function for lights, roller shutters with slat orientation, fan-coil, push-buttons for local control, By-me home automation system, installation on DIN rails (60715 TH35), occupies 4 modules size 17.5 mm. Version for MARINE applications.

#### FEATURES.

- Rated supply voltage: BUS 29 V.
- Typical current draw: 20 mA.
- 4 relay outputs (N/C, C, N/O) for lights control; relays 1+2 and 3+4 can be grouped for roller shutter control.
- Can be used for the fan-coil function.
- Push-buttons for manual relay control.
- Push-button to enable/disable the manual controls.
- LED for relay status.
- LED and configuration button.
- Protection class: IP20.
- Operating temperature: -5 °C to +45°C (indoor use).
- Overall dimensions: 4 modules of 17.5mm.
- Compatible with By-me 21509 control units and EasyTool Professional.

#### CONTROLLABLE LOADS.

- **Relay output** (controllable loads at 120 - 230 V~, N/O contacts):
  - resistive loads : 16 A (20,000 cycles);
  - incandescent lamps : 8 A (20,000 cycles);
  - fluorescent lamps, with energy saving and LED : 0.5 A (20,000 cycles);
  - electronic transformers : 6 A (20,000 cycles);
- **Relay output** (controllable loads at 120 - 230 V~, N/O and N/C contacts):
  - cos  $\phi$  0.6 motors: 3.5 A (100,000 cycles).

#### MANUAL MANAGEMENT.

Pressing the button enables using the buttons to actuate the relays. All messages from the bus are ignored.

- If the device is reset each relay is controlled with its own button.
- If the device is configured, the relays configured individually are controlled by the relevant button while the relays configured in pairs for roller shutter control are controlled by the buttons for the UP function () and DOWN function () with a reversal time in the passage from UP to DOWN; whereas if they are configured for fan-coil control, relays 1,2,3 are controlled alternately.

In normal operation, pressing the relay actuation buttons is ignored.

#### CONFIGURATION WITH BY-ME CONTROL UNIT OR EASYTOOL PROFESSIONAL.

For full details see the relevant Installer manuals that can be downloaded from the website [www.vimar.com](http://www.vimar.com).

#### INSTALLATION RULES.

- Installation should be carried out by qualified personnel in compliance with the current regulations regarding the installation of electrical equipment in the country where the products are installed.
- The 4 relay outputs are separated from each other by functional insulation at 250 V~ and not by double insulation; because of this, for example, do not connect a SELV circuit to an output that is adjacent to another one that is connected to the 230 V~ power supply.
- The relay output power circuits must be protected against overcurrents by installing devices or fuses with a rated breaking capacity of 1500 A or type-C circuit breakers, with rated current not exceeding 16 A.

#### STANDARD CONFORMITY.

LV directive. EMC directive. Standards EN 60669-2-5, EN 50491.

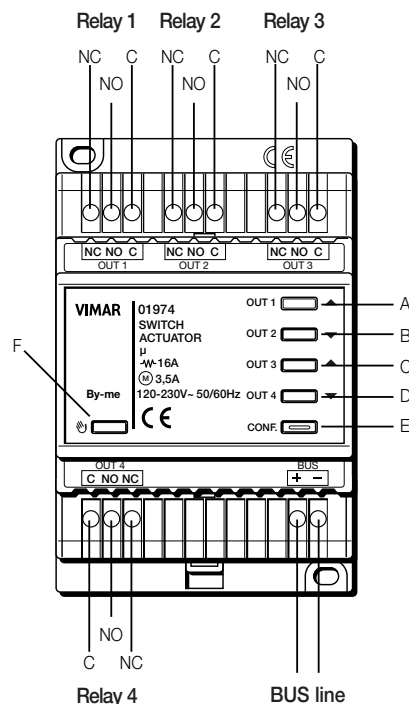
For **MARINE** use, this device has been submitted to the following tests:

IEC 60068-2-52 - Test Kb: Salt mist, cyclic (sodium, chloride solution),

IEC 60068-2-6 - Test Fc: Vibration (sinusoidal)

This device complies with part 15 of the **FCC** Rules (with the limits for a Class B digital device).

#### FRONT VIEW.



- A: LED and button to actuate relay 1
- B: LED and button to actuate relay 2
- C: LED and button to actuate relay 3
- D: LED and button to actuate relay 4
- E: LED and configuration button
- F: Manual mode push-button

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation.

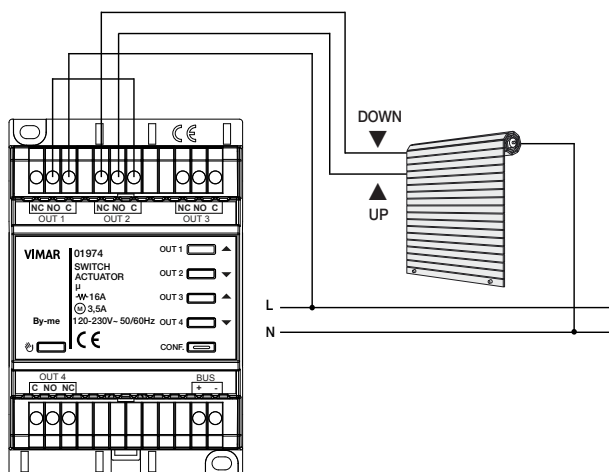
REACH (EU) Regulation no. 1907/2006 – Art.33. The product may contain traces of lead.



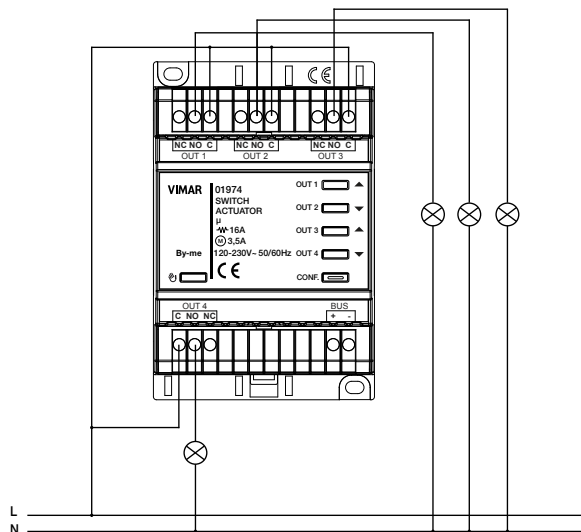
#### WEEE - Information for users

If the crossed-out bin symbol appears on the equipment or packaging, this means the product must not be included with other general waste at the end of its working life. The user must take the worn product to a sorted waste center, or return it to the retailer when purchasing a new one. Products for disposal can be consigned free of charge (without any new purchase obligation) to retailers with a sales area of at least 400 m<sup>2</sup>, if they measure less than 25 cm. An efficient sorted waste collection for the environmentally friendly disposal of the used device, or its subsequent recycling, helps avoid the potential negative effects on the environment and people's health, and encourages the re-use and/or recycling of the construction materials.

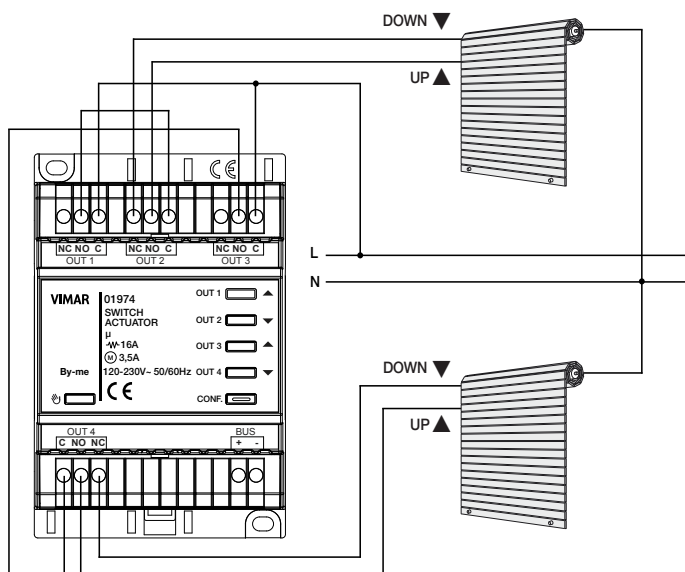
# CONNECTION FOR USE RELAY 1/2 AS ROLLER SHUTTER ACTUATOR.



# CONNECTION TO ACTIVATE ONE OR MORE SINGLE LOADS.



# CONNECTION FOR USE RELAY 1/2 AND RELAY 3/4 AS ROLLER SHUTTER ACTUATOR.



# CONNECTION FOR FAN-COIL.

