

01470.1

Module with 9 inputs and 8 preprogrammed outputs for residential or hotel applications, programmable digital inputs for potential-free contacts, N/O relay outputs 16 A 120-230 V~ 50/60 Hz programmable with control function for lights, roller shutters with slat orientation, push-buttons for local control, By-me home automation system, installation on DIN rails (60715 TH35), occupies 6 modules size 17.5 mm.

FEATURES.

- Rated supply voltage: BUS 29 V.
- Typical current draw: 10 mA.
- 8 relay outputs (N/O C) for lights control; relays 1+2, 3+4, 5+6 and 7+8 can be grouped for roller shutter control.
- 9 configurable inputs for connecting to conventional switches or push-buttons via conductors with a maximum length of 30 m (minimum section 0.33 mm²).
- Output 8 can be used to control the circulation pump.
- Push-buttons for manual relay control.
- Push-button to enable/disable the manual controls.
- LED for output status.
- LED and configuration button.
- Protection class: IP20.
- Operating temperature: -5 °C to +45°C (indoor use).
- Overall dimensions: 6 modules of 17.5 mm.
- Compatible with By-me 21509 control units and EasyTool Professional.
- **The rocker buttons and input functional blocks have a group depth of 1 (that is, they can belong to one group only).**

CONTROLLABLE LOADS.

- Relay output (controllable loads at 120 - 230 V~, N/O contact):
 - resistive loads  : 16 A (20,000 cycles);
 - incandescent lamps  : 8 A (20,000 cycles);
 - fluorescent lamps  : 0,5 A (20,000 cycles);
 - energy saving lamps  : 100 W-230 V~, 30 W-120 V~ (20,000 cycles);
 - LED lamps  : 100 W-230 V~, 30 W-120 V~ (20,000 cycles);
 - electronic transformers  : 4 A (20,000 cycles);
 - cos φ 0.6 motors: 3.5 A (100,000 cycles).

CAUTION: Each of the 8 N/O relay outputs can command the declared loads with the following limitations:

- the two "C" terminals of each of the 4 pairs of outputs are shorted;
- the sum of the currents circulating on the 8 relay outputs must not exceed 32 A;
- the sum of the currents circulating on the 2 adjacent relay outputs must not exceed 20 A.

CONFIGURATION WITH VIEW PRO APP.

For full details, refer to By-me Plus manual that can be downloaded from the www.vimar.com website.

MANUAL MANAGEMENT.

Pressing the  button enables the use of the buttons (located on the front of the device) to actuate the relays. All messages from the bus are ignored. The LEDs below the buttons always indicate the relay status with the relevant numbering.

CAUTION: If a roller shutter has been connected to a pair of relays, make sure that these relays have been set to function for roller shutter control and not for lighting control in the Lights and Roller shutters configuration. Simultaneous relay controls could damage the roller shutter motor.

- Each relay that has been set for lighting control (default configuration) is controlled via the button with the same numbering.
- The relays set in pairs for roller shutter control are controlled by the buttons on the front panel with the same numbering for the UP (▲), DOWN (▼) and STOP functions with reversal time in the passage from UP to DOWN. For example: a long press on OUT1 raises the roller shutter connected on O1/O2, a long press on OUT2 lowers the roller shutter connected on O1/O2, a short press on OUT1 or OUT2 stops the roller shutter or, if the latter is stationary, turns the slat (if the chosen operation is roller shutter + slat).

In non-manual operation, pressing the relay actuation buttons is ignored.



INSTALLATION RULES.

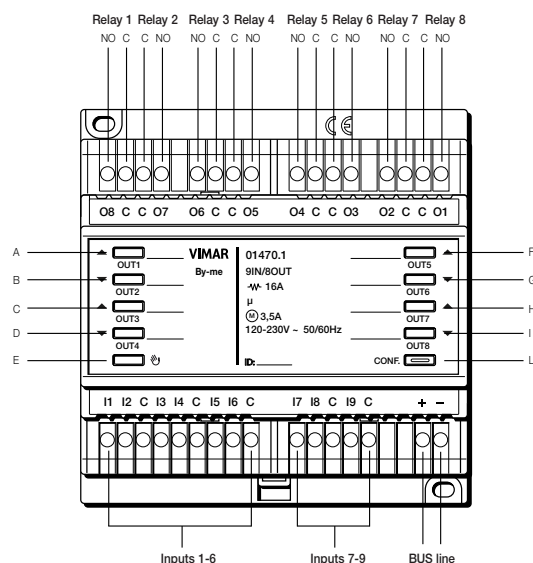
- Installation should be carried out by qualified personnel in compliance with the current regulations regarding the installation of electrical equipment in the country where the products are installed.
- The 4 pairs of relay outputs are separated from each other by functional insulation at 250 V~ and 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.

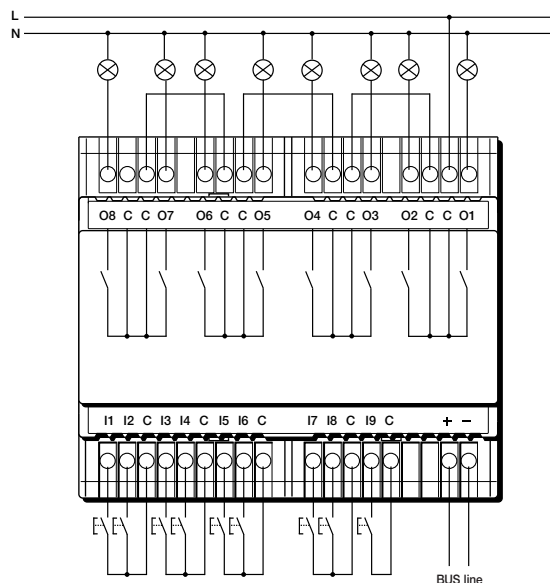
LV directive. EMC directive. Standards EN 60669-2-5, EN 50491.

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

FRONT VIEW AND CONNECTIONS



- 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: Manual mode push-button
- F: LED and button to actuate relay 5
- G: LED and button to actuate relay 6
- H: LED and button to actuate relay 8
- I: LED and button to actuate relay 8
- L: LED and configuration button



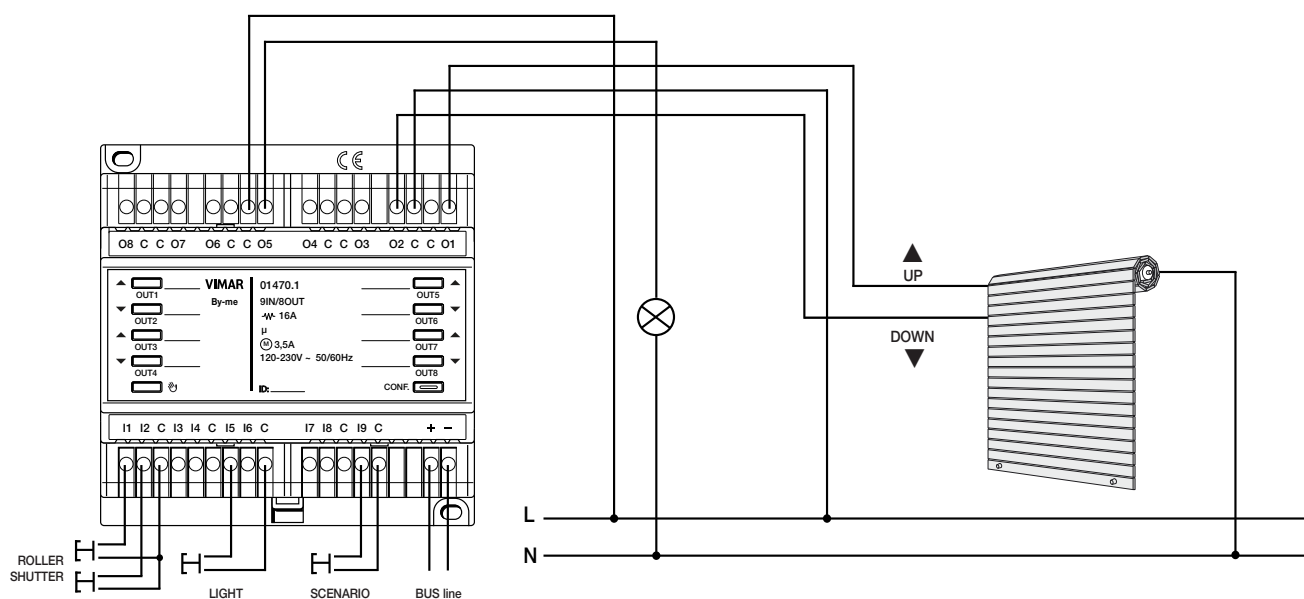
N.B.: Internally, for each pair of relays, the two terminals C are connected together.



WEEE - User information

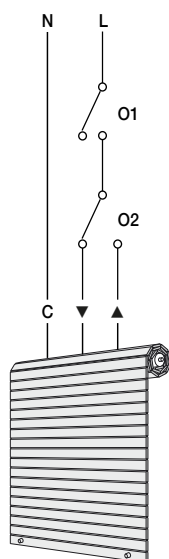
The crossed out bin symbol indicates that the product must be sent to separate collection facilities for recovery and recycling, in compliance with the national laws of EU Countries that implement the WEEE Directive. The objective is to prevent any harmful effects on the environment and on human health by ensuring that products are disposed of correctly, avoiding illegal disposal sanctioned by law. To dispose of the product correctly, please check local dispositions in your country.

EXAMPLE CONNECTION: I1 PUSH-BUTTON THAT CONTROLS O1, DOUBLE PUSH-BUTTON I5 AND I6 FOR ROLLER SHUTTER CONTROL O5 + O6, PUSH-BUTTON CONNECTED ON I9 FOR THE SWITCH-OFF SCENARIO.



IMPORTANT: Pay special attention to the connection of the roller shutter; controlling both relays simultaneously can damage its motor.

Internal relay connection



O1: Cuts off the power supply

O2: Inverts the direction of movement of the roller shutter

This function creates the interlock