BY-ME PLUS SMART AUTOMATION

01472

By-me Plus electronic control module with 2 inputs and 12 programmable outputs for residential or hotel applications, programmable digital inputs for potential-free contacts with control function for lights, roller shutters and to recall a scenario, 10 NO 10(3.5) A or 3.5 A motor 50/60 Hz 120-240 VAC relay outputs, 2 NO 16 (3.5) A or 3.5A motor 120-240 VAC 50/60 Hz relay outputs programmable with control function for lights, roller shutters with slat orientation, climate control and circulation pump, push buttons for local control, By-me home automation system, installation on DIN rails (60715 TH35), occupies 6 modules size 17.5 mm.

CHARACTERISTICS.

- Rated supply voltage: BUS 29 V.
- Typical current draw: 7.5 mA.
- Dissipated power: 4 W.
- 12 relay outputs (N/O C) for controlling lights, roller shutters and climate control; relays 1+2, 3+4, 5+6, 7+8, 9+10 and 11+12 can be grouped for roller shutter control.
- 2 configurable inputs to connect to traditional one-way switches or push buttons via conductors with a maximum length of 30 m; use a twisted cable with a minimum cross-section of 0.5 mm^2 (art. 01840.x). The 2 inputs can be used individually or grouped together.
- Output 1 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 degree: IP20.
- Operating temperature: -5 °C ÷ +45°C (indoor use).
- Overall dimensions: 6 modules of 17.5 mm.
- module 01472 should be configured with the home automation system gateway 01410-01411 and the View Pro App
- **The rocker buttons and input functional units have a group depth of 1 (that is, they can belong to one group only).**

CONTROLLABLE LOADS.

- Relay output (controllable loads at 120 - 240 V~, NO contact):
  - Relays from 1 to 10: heating load 10 (3.5) A (100,000 cycles)
  - Relays 11 and 12: heating load 16 (3.5) A (100,000 cycles)

SUPPLEMENTARY DECLARATIONS MADE BY THE MANUFACTURER.

- OUT1 AND OUT2:
  - LED lamps : 100 W-240 V~, 30 W-120 V~ (20,000 cycles);
  - cos ø 0.6 motors: 3.5 A (100,000 cycles).

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.

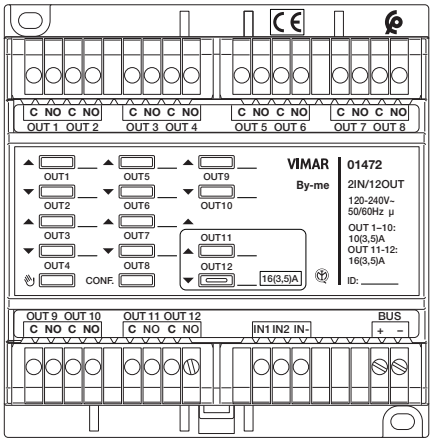
- Aconfigurationfter By-me configuration, each relay that has been set for lights control (default configuration) is controlled via the button with the same number.
- After By-me configuration, the relays set in pairs for roller shutter control are controlled by the buttons on the front panel with the same numbering for the UP function (▲), DOWN (▼) and STOP with reversal time in the passage from UP to DOWN. For example: a long press on OUT1 raises the roller shutter connected on OUT1/OUT2, a long press on OUT2 lowers the roller shutter connected on OUT1/OUT2, 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).
- The outputs that have not been configured are controlled using the button with the number identifying it.

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

INSTALLATION RULES.

- Installation must be carried out by qualified persons in compliance with the current regulations regarding the installation of electrical equipment in the country where the products are installed.
- Do not connect a SELV circuit to an output adjacent to another one connected to the mains voltage.
- **OUT 1-10**: The electronic 1-way switch must be protected by a directly associated fuse with a rated breaking capacity of 1500 A or by an automatic 1-way switch with a rated current not exceeding 10 A.
- **OUT 11-12:** The electronic 1-way switch must be protected by a directly associated fuse with a rated breaking capacity of 1500 A or by an automatic 1-way switch with a rated current not exceeding 16 A.

FRONT VIEW AND CONNECTIONS



OUT1 (C,NO)....OUT12 (C,NO): Relay1....Relay12 (each C terminal is electrically independent).

OUT1....OUT12: LED and Push button to actuate relay 1.... LED and Push button to actuate relay 12

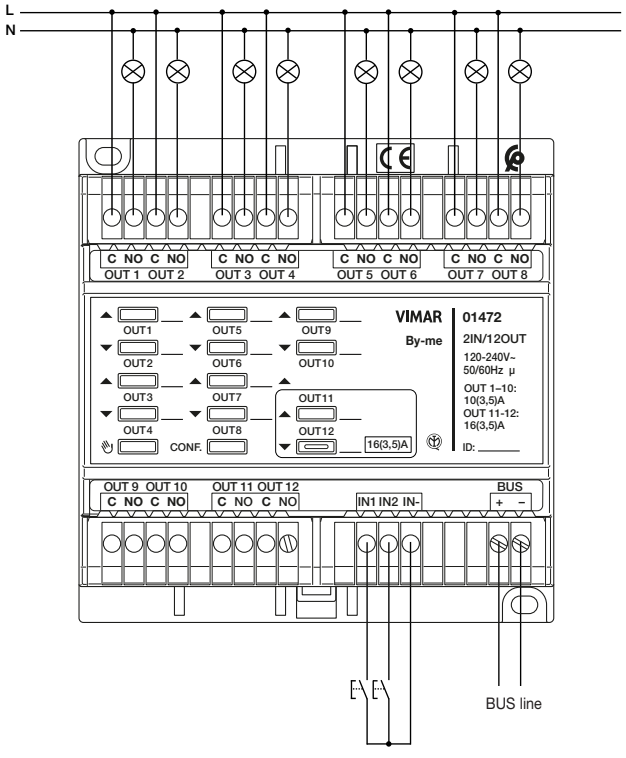
: Manual mode push button

CONF: LED and configuration push button

IN1, IN2: Inputs 1 and 2

IN-: Common Inputs 1 and 2

BUS +, -: Bus Line



CAUTION: each of the 12 NO relay outputs can control the declared loads with the following limitation: the sum of the currents circulating on the 12 relay outputs must not exceed 32 A, distributed across circuits that are separately protected by the protection devices specified.

REGULATORY COMPLIANCE.

LV Directive. EMC directive. RoHS directive.

Standards EN IEC 60669-2-1, EN IEC 63044, EN 50491, EN IEC 63000.

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

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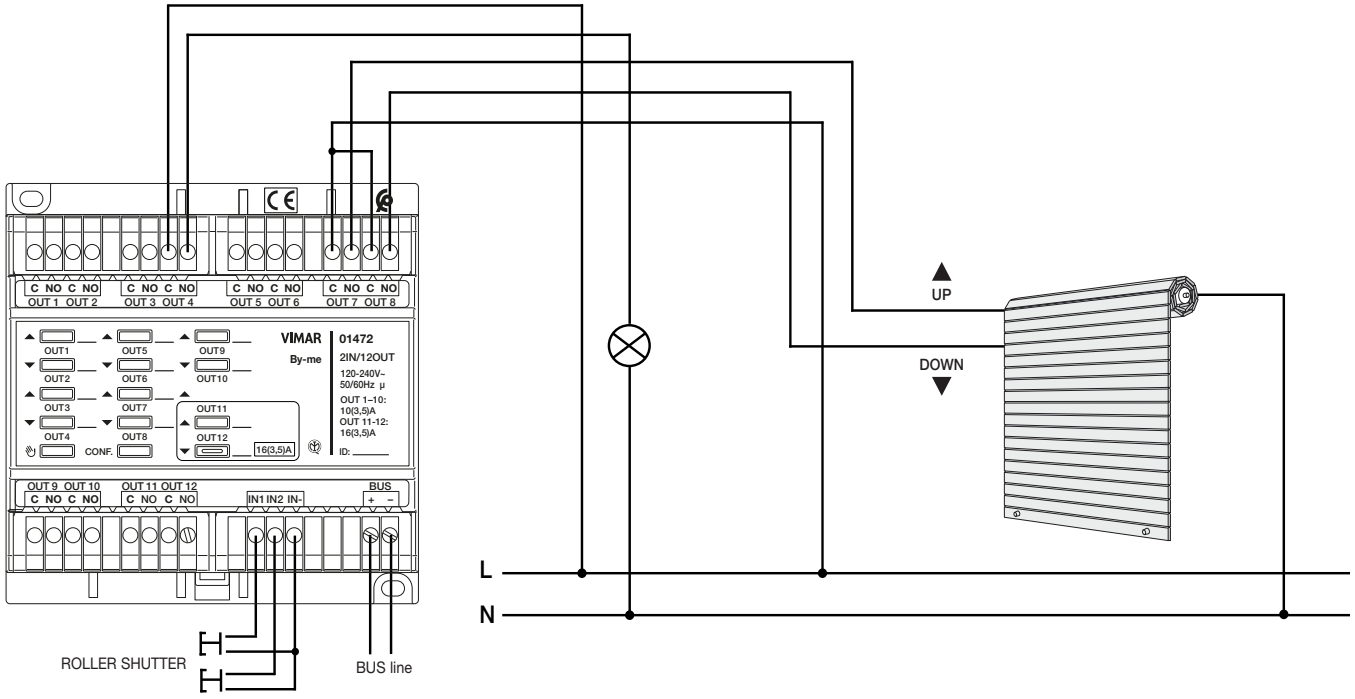
ROLLER SHUTTER AND LIGHT CONNECTION EXAMPLE (in this case the inputs are used to control a roller shutter).



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

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.

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