

**Actuator with 16 relay outputs NO 10 A 230 V~ 50/60 Hz, KNX Secure standard, installation on DIN rails (60715 TH35), occupies 12 modules size 17.5 mm**

The device is designed for the control of electrical loads using 16 independent outputs. It can be controlled either by bus or manually using the dedicated control push button. The device is powered by the KNX bus and does not require an external power supply.

The device is KNX Data Secure and is equipped with a dedicated QR code to be used with ETS (version 5 and later) during configuration.

**CHARACTERISTICS.**

- Supply voltage: BUS 30 V DC SELV.
- Absorption: 9 mA a 30 VDC
- Dissipated power: xx:
- NO relay output:
  - 16 independent outputs
  - rated voltage  $U_n$ : 230 VAC (50/60 Hz), 30 VDC
  - rated current  $I_n$ : 10 A
  - inrush current 300 A for 2 ms
- Operating temperature: -5°C to +45°C (indoor use)
- Protection degree: IP20
- 12 modules of 17.5 mm

**CONTROLLABLE LOADS.**

- Incandescent lamps: 2300 W (30000 cycles)
- Halogen lamps: 2300 W (5000 cycles)
- Standard ballast: 2300 W (5000 cycles)
- Electronic ballast: 2000 W (5000 cycles)
- Fluorescent lamps: 2000 W (5000 cycles)
- LED lamps: 200 W (30000 cycles)
- Motors: 1000 W (6000 cycles)

**CONNECTIONS.**

The connection to the bus and to the applications is made directly from the terminals on the front of the actuator 01532.

**Mounting**

The actuator can be fitted in distributors or in small electrical cabinets for quick fixing on 35 mm rails to DIN EN 60715 standards. Access to the device must be ensured for control, inspection, maintenance and repair.

**OPERATION.**

- Manual output control
- Light control: on/off, stair light function, timer, maximum 16 outputs
- Scenario control
- Logic functions
- AC/DC roller shutter control: max 8 roller shutters in AC and max 4 roller shutters in DC
- 3-speed fan-coil control: max 4 fan coils
- Valve control: max 16 valves
- Status settings following mains voltage cuts and restoration

**MEANING OF THE LEDS.**

- Red LED: address being assigned during configuration
- Flashing green LED: normal device operation

**CONFIGURATION.**

Device and related parameter configuration occurs using the ETS software (version 5 and later). To launch the configuration of the device and assign the physical address, press the configuration push button; the red LED will be permanently lit throughout the entire operation.

All the updated ETS databases can be downloaded from the "Software" section of the [www.vimar.com](http://www.vimar.com) website.

**MANUAL MANAGEMENT.**

The actuator allows the manual control of individual outputs using the Man./Auto push button and the related LED indicates whether manual mode is on. Once this mode is enabled, the individual outputs can be piloted.

**N.B. To control the outputs manually, first configure them with ETS.**

- Single output control:
    - LED on with contacts closed
    - LED off with contacts closed
  - AC/DC roller shutters:
    - Long press to move the roller shutter
    - Short press for slats and stop
- The LED flashes when the roller shutter is in motion; the LED stays on when the roller shutters/slats reach the end of travel.
- Fan coils:
    - Output 1/LED 1 used for control and status of low speed
    - Output 2/LED 2 used for control and status of medium speed
    - Output 3/LED 3 used for control and status of high speed
    - Output 4/LED 4 not used

**Valve control:**

- Systems with 2 pipes: Output 1/LED 1 used for control and status of valves and Output 2/LED 2 not used.
- Systems with 4 pipes: Output 1/LED 1 used for control and status of heating valve and Output 3/LED 3 for control and status of cooling valve. Outputs/LED 2 and 4 not used.


**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.
- Work on the 230 V electricity mains must only be performed by skilled personnel.
- Cut off the mains voltage before performing installation.
- Dirty devices can be cleaned with a dry cloth or a cloth dampened with soapy water. Never, under any circumstances, use solvents or caustic substances.

**IMPORTANT:**

To avoid dangerous contact voltages due to the return power supply of different external lines, when expanding or modifying the electronic connection, an omnipolar disconnection is necessary

**REGULATORY COMPLIANCE.**

LV Directive. EMC directive. RoHS directive.

Standards EN 60669-2-5, EN 60669-2-1, EN IEC 63044, EN IEC 63000

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


**WEEE - User information**

The crossed bin symbol on the appliance or on its packaging indicates that the product at the end of its life must be collected separately from other waste. The user must therefore hand the equipment at the end of its life cycle over to the appropriate municipal centres for the differentiated collection of electrical and electronic waste. As an alternative to independent management, you can deliver the equipment you want to dispose of free of charge to the distributor when purchasing a new appliance of an equivalent type. You can also deliver electronic products to be disposed of that are smaller than 25 cm for free, with no obligation to purchase, to electronics distributors with a sales area of at least 400 m<sup>2</sup>. Proper sorted waste collection for subsequent recycling, processing and environmentally conscious disposal of the old equipment helps to prevent any possible negative impact on the environment and human health while promoting the practice of reusing and/or recycling materials used in manufacture.

## FRONT VIEW AND CONNECTIONS

