

01976

Actuator with output 1-10 V d.c. 30 mA for driver LED control, relay output 12-24 V 10 A, power supply 12-24 V~ 50-60 Hz, or 12-24 V d.c., installation on DIN rail (60715 TH35), occupies 3 modules of 17.5 mm. Version for MARINE applications.

Actuator for driver LED with 1-10 V control. The device is controlled by a rocker push-buttons. The device's maximum output current is 30 mA.

CHARACTERISTICS.

- Rated supply voltage: BUS 29 V
- Input: 10 mA
- Auxiliary supply: 12-24 V~ ± 10% or 12-24 V d.c. ± 10% (SELV)
- Consumption:
 - 12 V ~: 600 mA 12 V d.c.: 250 mA
 - 24 V ~: 350 mA 24 V d.c.: 120 mA
- Dissipated power: 4 W
- Distance between actuator and LED driver: 10 m max with twisted cable
- Terminals:
 - TP BUS
 - 12-24 V~ 50-60 Hz, 12-24 V d.c.
 - relay contacts (NO, C)
 - control 1-10 V
- NO relay output
- Controllable loads at 12-24 V~ or 12-24 V d.c.:
 - resistive loads: 10 A (20.000 cycles)
 - LED spot lights: 10 A (20.000 cycles)
- Operating temperature: -5 °C - +45 °C (for indoor use)
- 3 modules of 17.5 mm.

CONNECTIONS.

The wire diagram (bottom right) shows an example of a connection with an LED driver. Depending on the type of LED driver used, the connection of terminal + to the LED driver through the relay contacts integrated in device 01976 may not be necessary; in this case, connect terminal + directly to the electric phase. The feeding circuit of the relay output must be protected against overloads by a fuse with rated current not higher than 12 A.

CONFIGURATION.

FOR DETAILS OF INSTALLATION AND CONFIGURATION, SEE THE By-me SYSTEM INSTRUCTIONS MANUAL.

- Functional blocks: 1; the block can belong to at most 4 groups.
- Selecting the functional block (configuration), when the control unit, during group creation, requires pressing the device button:
 - press the configuration button, the red LED will light up;
 - with the red LED on, the control unit will configure the functional block; at the end of this operation the red LED will go out.

PARAMETERS.

- adjustment speed: low, medium or high;
- LED always off or on only with dimmer on;
- Parameter offset: minimum output voltage adjustable from 1 to 2 V (default value 1,2 V).
- Default parameters: dimmer actuator with medium adjustment speed, LED always off and offset of minimum output voltage.

SCENARIOS.

The actuator can belong to up to 4 different scenarios and, for each scenario, save the status to retrieve when activating the scenario.

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. For further instructions, please refer to the manual enclosed with the control panel.

CONFORMITY TO STANDARDS.

EMC directive. Standards EN 50428, 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). 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 m², 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.

