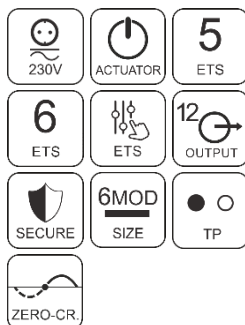
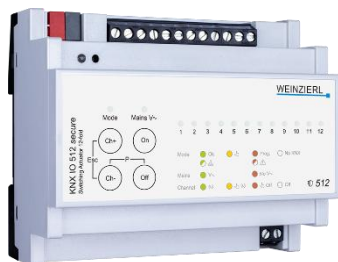


Data sheet

KNX IO 512 *secure*

Switching Actuator 12-fold



(Art. # 5491)

Application area

The KNX switching actuator KNX IO 512 *secure* offers 12 bistable relay outputs that are optimised primarily for the requirements of LED lights. However, other loads can also be switched.

The actuator offers comprehensive functions for universal outputs including scenes, switch-on and switch-off delay, staircase lighting switching and the control of heating valves (PWM for thermal actuators).

Further features:

- Central feed-in with mains monitoring
- Switching in zero crossing
- Offset switching for centralised commands
- Manual operation with multiple selection, even without KNX bus
- Direct switching with the ETS

4 push buttons and 14 LEDs enable local operation and visualisation of the device status.

The device supports KNX Data Security.

Technical Specification

Electrical safety

- Protection (acc. EN 60529): IP20

CE marking according to

- Low voltage directive 2014 / 35 / EU
- EMC directive 2014 / 30 / EU
- RoHS directive 2011 / 65 / EU
- EN 63044-3: 2018
- EN 63044-5-1: 2019
- EN 63044-5-2: 2019
- EN 63044-5-3: 2019
- EN 61000-6-2: 2019
- EN 61000-6-3: 2021
- EN 63000: 2018

Environmental requirements

- Ambient temp. operating: - 5 ... + 45 °C
- Ambient temp. non-op.: - 25 ... + 70 °C
- Rel. humidity (non-condensing): 5 ... 93 %

Mechanical data

- Housing: plastic (PC)
- DIN rail mounted device, width: 6 units (108 mm)
- Weight: approx. 350 g

Controls and indicators

- 4 buttons and 14 LEDs (multicolor)
- KNX programming button with LED (red)

Power supply

- KNX Bus approx. 5 mA
- Input supply 230 V~, 50 Hz, max. 16 A, approx. 300 mW with no load

Connectors

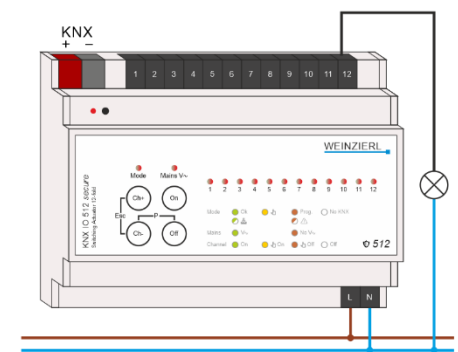
- Connector for KNX Bus (red / black)
- Screw terminal (12 poles) for outputs
- Screw terminal (2 poles) for 230 V~
- Cross-section of connectors: 1.5 ... 2.5 mm²

Outputs

- Relay type: 230 V~ / 16 A, bi-stable
Depending on load type (capacitive or inductive) the switching power can be reduced.

Installation Instructions

- The device may be used for permanent interior installations in dry locations or within distribution boards with DIN rail.

**WARNING**

- The device must be mounted and commissioned by an authorized electrician.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- The device is a permanently connected equipment: A readily accessible disconnect device shall be incorporated external to the equipment.
- The installation requires a 16 A fuse for external overcurrent protection.
- The power rating is indicated on the side of the product.

Zero crossing detection using the patent no. EP2107585A2, Eltako GmbH Fellbach.



Product database for ETS 5/6
www.weinzierl.de/en/products/512/ets6
 Manual
www.weinzierl.de/en/products/512/manual
 CE Declaration
www.weinzierl.de/en/products/512/ce-declaration

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