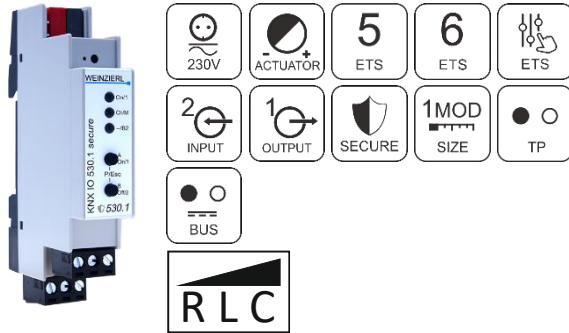


Data sheet

KNX IO 530.1 secure

KNX dimming actuator 1-fold 230 V with binary input 2-fold



(Art. # 5516)

Application area

The KNX IO 530.1 *secure* is a compact 230 V dimmer with 1 dimming output and 2 binary inputs.

The dimming actuator can be used for dimmable electric lights supplied with 230 V mains. To cover a wide range of usable electric lights the KNX IO 530.1 *secure* can operate with trailing or leading edge dimming.

Besides controlling the light by switching, rel. dimming and dimming value, several optional functions are integrated, including scenes, automatic, slumber function, staircase light and sequencer.

The inputs can be connected to conventional switches with an external voltage of 230 V.

Two push buttons and three LEDs allow a local operation and a visualization of the device state.

In addition to the output and input channels the device includes 16 independent functions for logic or timer control. Furthermore, direct control with ETS is possible without download.

The device supports KNX Data Security.

Technical Specification**Electrical safety**

- Protection (acc. EN 60529): IP20
- Overload detection (electronic)
- Temperature fuse (electronic and non-reversible)

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
- EN 55015: 2013 + A1: 2015, EN 61547: 2009

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
- DIN rail mounted device, width: 1 units (18 mm)
- Weight: approx. 60 g

Controls and indicators

- 2 buttons and 3 LEDs (multicolor)
- KNX programming button with LED (red)

Power supply

- KNX bus approx. 3 mA

Connectors

- Connector for KNX bus (red / black)
- Pluggable screw connector (3 poles) for dimming
- Pluggable screw connector (3 poles) for inputs
- Cross-section of connectors: 1.5..2.5 mm²

Output (dimming actuator)

- Dimming mode: Leading / trailing edge
- Supply voltage: 230 V~
- Max. P_{out}: 200 W, details see manual
- Standby power: < 0.2 W

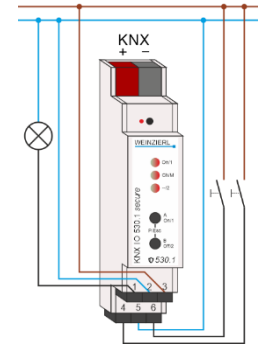
Inputs (binary in)

- Voltage: 230 V~
- Current: < 1 mA

- Only same potential as output (dimming actuator)
- Signal shall not exceed 10 ticks per second

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.



Product database for ETS 5/6
www.weinzierl.de/en/products/530.1/ets6
Manual
www.weinzierl.de/en/products/530.1/manual
CE Declaration
www.weinzierl.de/en/products/530.1/ce-declaration

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