

Data sheet

KNX RF Blue IO 553 CC *secure*

KNX LED dimming actuator 4-fold with constant current



(Art. # 5380)

Application area

The KNX RF Blue IO 553 CC *secure* is a compact RGB / RGBW / Tunable White dimming actuator with 4 constant current dimming outputs.

The dimming actuator can be used e.g. for LED panels or stripes with RGB / RGBW / Tunable White configuration or as 4 independent dimmer channels. Every configuration allows controlling the channel by switching, rel. dimming and dimming value.

Several comfort functions are integrated as well, including scenes, slumber fading, staircase light and sequencer.

Two push buttons and five LEDs (multicolor) allow a local operation and a visualization of the device state.

In addition to the output channels the device includes 16 independent functions for logic or timer control.

The KNX RF Blue IO 553 CC *secure* only supports KNX RF S Mode. The device supports KNX Data Security.

Technical Specification

Electrical safety



- Protection (acc. EN 60529): IP20
- Short circuit proof (electronic and non-reversible)
- Temperature fuse (electronic and non-reversible)

CE marking according to

- Low voltage directive 2014 / 35 / EU
- EMC directive 2014 / 30 / EU
- Radio equipment directive 2014 / 53 / EU
- RoHS directive 2011 / 65 / EU (RoHS2)
- 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: 2007 + A1: 2011
- EN 63000: 2018
- EN 300220-2: V3.2.1

Environmental requirements

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

Mechanical data

- Housing: Transparent plastic
- Dimensions: 132 x 46 x 20 mm
- Weight: approx. 75 g

Controls and indicators

- 2 buttons and 5 LEDs (multicolor)
- KNX programming button with LED (red)

Power supply

- With 48 V_{DC}, approx. 9 mA with no load

Connectors

- Pluggable screw connector (2 poles) for power supply
- Pluggable screw connectors (3 poles) for dimming channels 1/2 and 3/4
- Cross-section of connectors: 1.5 ... 2.5 mm²
- Integrated antenna

Output (dimming actuator)

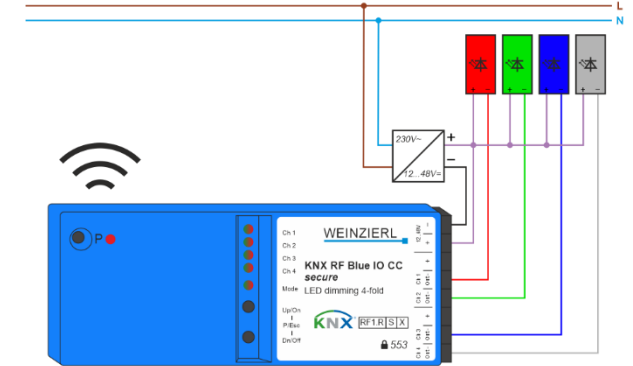
- Dimmer for LEDs with constant current input
- Supply voltage: 12 ... 48 V_{DC}
- Max. output voltage < Supply voltage
- Max. configurable load current: 500 mA each channel (channels can be bundled)
- Max. P_{out}: 96 W

RF Interface

- KNX RF, ISM Band 868,3 MHz, FSK
- Output power: 14 dBm

Installation Instructions

- The device may be used for permanent interior installations in dry locations or within furniture or suspended ceilings.

**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 power rating is indicated on the back side of the product.

Product database for ETS 5/6
www.weinzierl.de/en/products/553/ets6
 Manual
www.weinzierl.de/en/products/553/manual
 CE Declaration
www.weinzierl.de/en/products/553/ce-declaration

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