



The **KNX Blue IO** series from **Weinzierl** is now available and features a very compact design. The devices can be used for fixed installation in dry indoor areas or for installation in furniture or suspended ceilings.

The **KNX TP Blue IO 550 CV** secure is a compact RGB / RGBW / Tunable White dimming actuator with 4 PWM outputs.

The **KNX TP Blue IO 551 CC** secure is a compact RGB / RGBW / Tunable White dimming actuator with 4 constant current dimming outputs.

The **KNX RF Blue IO 552 CV** secure is a compact RGB / RGBW / Tunable White dimming actuator with 4 PWM outputs. (**KNX RF S Mode only**)

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

The dimming actuators can be used e.g., for LED panels or stripes with RGB / RGBW / Tunable White configuration or used as 4 independent dimming channels. Each configuration allows controlling by switching telegrams, relative dimming and dimming value. Several convenience functions are also integrated, including scenes, snooze, staircase lighting and sequencer. Two pushbuttons and five LEDs enable local operation and visualization of the device status. In addition to the output channels, the devices have 16 independent functions for logic or time control. They supported all KNX data security.

Technical data:

Mechanical data for all 4 devices

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

Controls and indicators for all 4 devices

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

KNX TP Blue IO 550 CV

Power supply

- KNX bus approx. 5 mA

Connectors

- Connector for KNX Bus (red / black)
- 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

Output (dimming actuator)

- Dimmer for LEDs with constant voltage input
- PWM (frequency 480 / 600 Hz)
- Supply voltage: 12 ... 24 V_{DC}
- Max. load current: 6 A total, freely distributable
- Max. P_{out}: 144 W

KNX TP Blue IO 551 CC

Power supply

- KNX bus approx. 5 mA

Connectors

- Connector for KNX Bus (red / black)
- 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

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

KNX RF Blue IO 552 CV

Power supply

- With 24 V_{DC}, approx. 10 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 voltage input
- PWM (frequency 480 / 600 Hz)
- Supply voltage: 12 ... 24 V_{DC}
- Max. load current: 6 A total, freely distributable
- Max. P_{out} : 144 W

RF Interface

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

KNX RF Blue IO 553 CC

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