ITR710-002 - KNX RF 1 CHANNEL LED STRIP DIMMER

Device	ITR710-002
Power Supply	12-48V DC
Current	< 12 mA
Radio Frequency	868,3MHz
Transmission Power	< 10dBm
Transmission Range	In free field: ~100m Indoors: ~ 30m
Valid for	Single-color low-voltage LED strips
Maximum Load	8A (12V: 96W // 24V: 192W)
Cable Length	< 10m
KNX Media	KNX RF 1.R
Type of Protection	IP 20, Class II
Temperature Range	Operation (-5°C...45°C) Storage (-15°C...55°C)
Color	Light Grey
Dimensions	46x46x30 mm (HxWxD)
Certification	KNX Certified
Configuration	Configuration with ETS

DESCRIPTION

Interra ITR710-002 is a one channel KNX RF S-Mode wireless dimming actuator for single-color low voltage LED strips. It allows switching on, switching off and dimming the LED strips. ITR710-002 is a perfect solution for using in conventional installations without placing KNX bus cables with its bi-directional KNX RF communication functionality. Communication with the KNX Bus must be carried out using a ITR750-002 KNX RF S-Mode media coupler. Interra ITR710-002 has an integrated KNX-RF signal repeater optionally. It can be used to extend the distance between devices.

FUNCTIONS & CHARACTERISTICS

- Time of soft on and off, maximum and minimum dimming level, behavior after on telegram functions can be configured via ETS.
- Staircase time switch and sequential operation modes.
- The connection of an auxiliary pushbutton (optional) allows local control of the actuator or some other wireless actuator or connected to the bus, as parameterized in the ETS.
- Possibility to configure the state in which it returns after a power fault.
- It has a programming button (1) to carry out its programming.
- Up to 5 Scenes can be stored / called up.
- Programming and commissioning by ETS5 via the KNX-RF USB stick ITR755-001.
- Flush mounted in junction box.

INSTALLATION

Warning: Disconnect the main supply before the installation!

- Install the dimming actuator according to the schematics / wiring diagram.
- The auxiliary pushbutton input (4) is optional. Can be used for local control of the actual actuator or other wireless actuators connected to the bus (depending on configuration within ETS).
- Before reconnecting the device to the power, verify correct installation and wiring.
- The range of the radio signal depends on various external circumstances. The range can be optimized by the choice of installation location, avoiding placing it close to any possible sources of interference, e.g. metallic surfaces, microwave ovens, etc.

COMMISSIONING

The programming and commissioning must be done with ETS5 or later version:

Carry out the wiring according to wiring diagrams described in “layouts and wirings” section.

-> After successful installation set device in operation (by reconnecting supply voltage).

-> Supply the actuator. The red LED (3) goes on.

-> Press the programming button (1). The green LED goes on.

-> Transmit physical address and configuration from ETS to device.

-> After successful download the green LED (2) turns off.

Note : The first time the actuator is connected to the mains, as well as after a hard reset, the red and green LED will flash quickly).

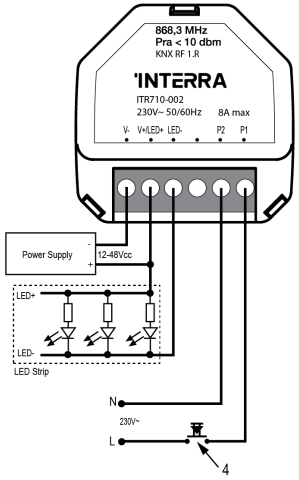
SAFETY NOTES

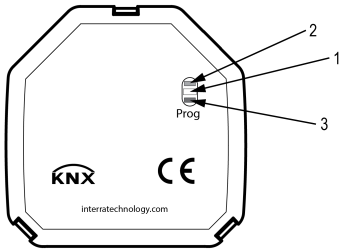
-> Avoid to install it close to radio electrical devices, microwaves,…

-> Leave a minimum separation of 2m between the transmitter and the receiver.

-> May be used for indoor installations in dry rooms only.

LAYOUTS AND WIRINGS





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