ITR710-001 - KNX RF 1 CHANNEL LED LAMP DIMMER

Device	ITR710-001
Power Supply	230V~ 50/60Hz
Current	30 mA
Radio Frequency	868,3MHz
Transmission Power	< 10dB m
Transmission Range	In free field: ~100m Indoors: ~ 30m
Cable Length	< 10m
KNX Media	KNX RF 1.R
Temperature Accuracy	±0,3 ºC between -10 ºC & +70 ºC
Type of Protection	IP 20, Class II
Temperature Range	Operation (-5°C...45°C) Storage (-15°C...55°C)
Flammability	Non-flammable Product
Color	Light Grey
Dimensions	46x46x11 mm (HxWxD)
Certification	KNX Certified
Configuration	Configuration with ETS

DESCRIPTION

Interra ITR710-001 is a one channel KNX RF S-Mode wireless dimming actuator for LED lamps. It can control dimmable LED lamps, incandescent and halogen lamps. ITR710-001 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 ITR710-001 has an integrated KNX-RF signal repeater optionally. It can be used to extend the distance between devices.

FUNCTIONS & CHARACTERISTICS

- Leading or trailing edge type of dimming, time of soft on and off, maximum and minimum dimming level, behavior after on telegram configurations can be made via ETS.
- Staircase time switch and sequential operation modes.
- Auxiliary Pushbutton input with configurable operation.
- Adjustable behavior in case of bus voltage failure.
- It has a programming button (1) to carry out its programming.
- Staircase lighting timer function with (optional) advanced warning function.
- Up to 5 Scenes can be stored / called up.
- Valid for dimmable LED lamps, Incandescent and Halogen lamps.
- Programming and commissioning by ETS5 via the KNX-RF USB stick ITR755-001.

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).

-> The red LED (3) turns on.

-> Press the programming button (1) briefly. The green LED (2) turns on.

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

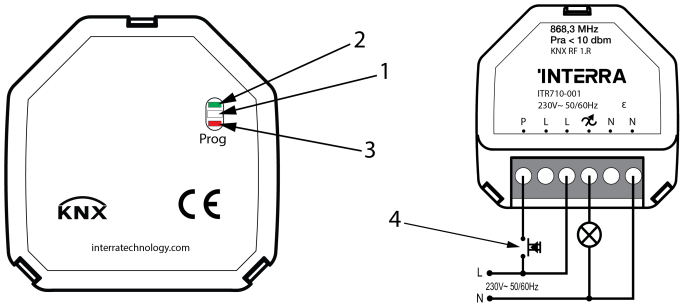
-> After successful download the green LED (2) turns off.

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).

Output Dimming Rating :

230V LED lamps dimmable by Leading-edge	4W ~ 100W
230V LED lamps dimmable by Trailing-edge	4W ~ 250W
12V dimmable LED lamps with Electronic Transformer	250W (of transformer)
Incandescence & 230V Halogens	250W
12V Halogen lamps with Electronic Transformer	250W
12V Halogen lamps with Inductive Transformer	Does not admit

LAYOUTS AND WIRINGS



DS200925175AEN