

ITR710-003 - KNX RF 1 CHANNEL 1/10 V DC BALLAST/DRIVER DIMMER



Device	ITR710-003
Power Supply	230VAC 50/60 Hz
Consumption	< 5W
Type of Load	1/10 V DC Drivers or Ballasts
Relay Breaking Capacity	5A / 250V
Maximum Capacity	1150 VA
1/10V Maximum Input Current	500 mA
1/10V Maximum Output Current	250 mA
Transmission Power	< 10dBm
Transmission Range	In free field: ~100m, Indoors: ~ 30m
KNX Media	KNX RF 1.R
Radio Frequency	868,3 MHz
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 ITR710-003 is a one channel KNX RF S-Mode wireless Dimming actuator for 1/10VDC Drivers or Ballasts, with LED or Fluorescence lighting. ITR710-003 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. ITR710-003 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.

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.

- > 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).

INSTALLATION



Warning: Disconnect the main supply before the installation!

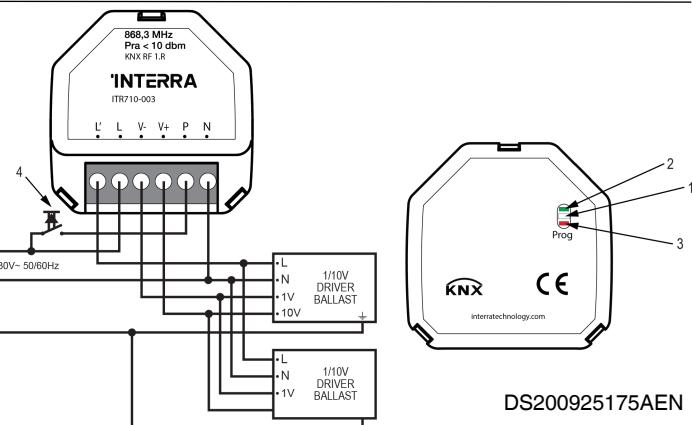
- Install the dimming actuator according to the schematics / wiring diagram.
- The auxiliary pushbutton input (4) is optional. Can be used for local control of the actual actuator or other wireless actuators connected to the bus (depending on configuration within ETS).
- Before reconnecting the device 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.

Note : Output contact (L') which allows disconnecting physically the lamps. L' output is a relay contact that opens or closes the power supply to the ballasts/drivers. Installation can be made without using the relay L' as long as for the user is indifferent that the lamps remain at their minimum brightness and keep continuously supplied, or if the off is done by another external breaking device.

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



DS200925175AEN