

ITR711-001 - KNX RF MULTIFUNCTIONAL ACTUATOR



Device	ITR711-001
Power Supply	230VAC 50/60 Hz
Output Channels	1 Blind/Shutter or 2 Switch On/Off
Output Switching Rating	μ 16A / 250V Motors : 700 VA LED Lamps : 400W Incandescence & 230 V Halogens: 3000W
Number of Inputs	2
Transmission Power	< 10dBm
Transmission Range	In free field: ~100m, Indoors: ~ 30m
Cable Section	\leq 2,5mm ²
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)
Dimensions	46x46x30 mm (HxWxD)
Certification	KNX Certified
Configuration	Configuration with ETS

DESCRIPTION

Interra ITR711-001 is a multifunctional actuator which can work as 2-channel switching actuator or 1-channel Blind/Shutter actuator. It has 2 inputs for conventional pushbutton, which can be configured independently, through the ETS: Switching, Dimming, Blind/Shutter Control, Scenes or Value sending. ITR711-001 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.

FUNCTIONS & CHARACTERISTICS

- Time of soft on and off, maximum and minimum dimming level, behavior after on telegram functions can be configured via ETS.
- 1 blind/shutter channel: control of Roller Shutters/Awnings, Venetian Blinds or Venting Louvers.
- 2 switching channels: control of 2 individual loads.
- In case it is configured as 1-channel blinds/shutters actuator, the following alarms and functions are available: Wind alarm, Rain alarm, Frost alarm, Sun Protection function, Scene control and Forced function.
- If it is configured as 2-channel switch actuator, the following functions are available in each channel: Timer, Preset value, Scene control, Logical functions, Forced and Threshold function.
- Flush mounted in junction box.

INSTALLATION



Warning: Disconnect the main supply before the installation!

- Connect the load and the power supply to the actuator following one of the two wiring diagrams:

Fig. 1: Control of 2 independent loads.

Fig. 2: Control of 1 Blind/Shutter.

- Connect the inputs to the conventional pushbuttons if it is necessary.
- Switch-on the mains supply.

Note : 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 interferences, e.g. metallic surfaces, microwave ovens,...

COMMISSIONING

The programming and commissioning must be done with ETS5 or later.

For the commissioning of the actuator, follow these steps:

1. Supply the actuator. The red LED goes on.
2. Allocate the physical address and parameterize the application.
3. Press the programming key. The green programming LED will light up and it will be ready for loading the application software to device.
4. Load the physical address and the application software into the actuator. The green LED goes out.
5. If the actuator is not programmed 4 minutes after, the green LED is switched-off and the device comes out from programming mode. If programming is successful, the green LED is also switched-off

RESET

If there is any problem with the actuator, it is possible to do a reset:

- I) Disconnect the 230V mains supply.
- II) Press and keep pressed the programming key.
- III) Connect again the 230V mains supply.
- IV) Release the programming key.

LAYOUTS AND WIRINGS

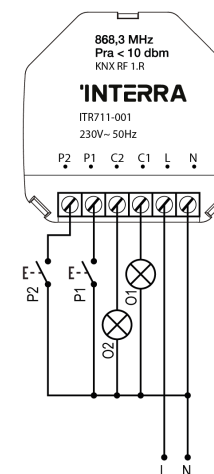


Fig. 1

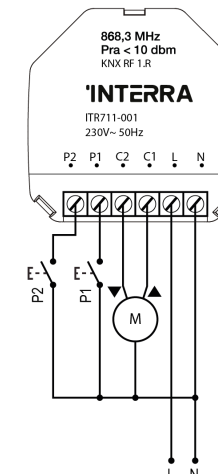


Fig. 2

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