

KNX RF 4 CHANNEL UNIVERSAL INTERFACE



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| Product Code | ITR700-0002 |
| Power Supply | 230 V~ 50/60 Hz |
| Current | 30 mA |
| Radio Frequency | 868,3 MHz |
| Transmission Power | < 10 dB |
| Transmission Range | In free field: ~100 m Indoors: ~ 30 m |
| Cable Length | < 10 m |
| KNX Media | KNX RF 1.R |
| Temperature Accuracy | ±0,3 °C between -10 °C & +70 °C |
| 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 | 46 x 46 x 11 mm (H x W x D) |
| Certification | KNX Certified |
| Configuration | Configuration with ETS |

DESCRIPTION

Interra ITR700-0002 is a 4-input wireless KNX RF S-Mode universal interface. The 4 channel which can be individually parameterized can be used as analog or binary input. It incorporates up to 4 independent Thermostats for the control of Heating and / or Cooling of 4 different zones. ITR700-0002 is a perfect solution for using in conventional installations without placing KNX bus cables. Communication with the KNX Bus must be carried out using a ITR750-0002 KNX RF S-Mode media coupler. Interra ITR700-0002 KNX RF 4 channel universal interface detects the status changes at its inputs and send telegrams according to ETS configuration. In addition, it also allows the measurement of the temperature and the management of temperature alarms.

FUNCTIONS & CHARACTERISTICS

- The Universal Interface incorporates 4 inputs, each of which can be parameterized individually through the ETS
- Switch, Dimmer, Multiple Switch, Sequential Switch, Blind/Shutter Control, Scenes Management, Sending of a Fixed/Forced value, Counter functionality.
- It also incorporates up to 4 independent Thermostats for the control of Heating and / or Cooling of 4 different zones.
- It has a programming button (1) to carry out its programming.
- Programming and commissioning by ETS5 or later.

INSTALLATION

The range of the radio signal depends on various external states. 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.

SAFETY NOTES

- Avoid to install it close to radio electrical devices, microwaves,...
- Leave a minimum separation of 2 m between the transmitter and the receiver.
- May be used for indoor installations in dry rooms only.

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.

⇒ Fig. 1 : Connection to switch / pushbutton.

⇒ Fig. 2 : Connection to temperature probe.

⇒ Fig. 3 : Connection to movement detector.

-> Supply the interface with 230 V. The red LED goes on.

-> Press the Programming key (1). The green LED goes on.

-> Load the physical address and the application software into the actuator
The green LED goes off.

LAYOUTS AND WIRINGS

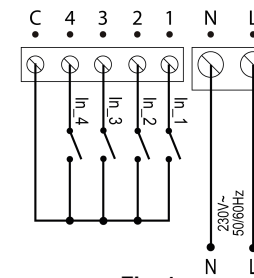


Fig. 1

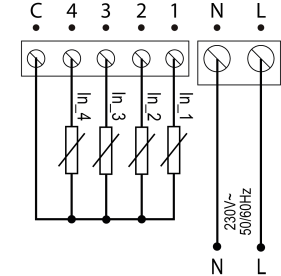


Fig. 2

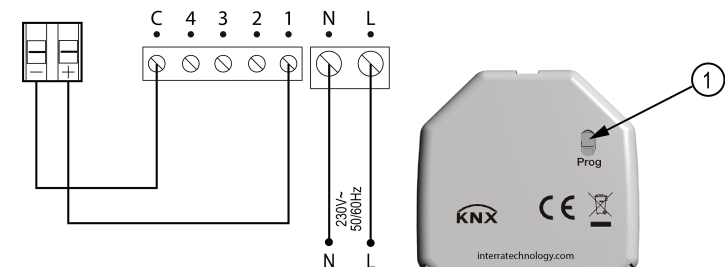


Fig. 3