

ITR700-002 - KNX RF 4 CHANNEL UNIVERSAL INTERFACE



Device	ITR700-002
Power Supply	230V~ 50/60Hz
Current	30 mA
Radio Frequency	868,3MHz
Transmission Power	< 10dB
Transmission Range	In free field: ~100m Indoors: ~ 30m
Cable Length	< 10m
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	46x46x11 mm (HxWxD)
Certification	KNX Certified
Configuration	Configuration with ETS

DESCRIPTION

Interra ITR700-002 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. ITR700-002 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 ITR750-002 KNX RF S-Mode media coupler. Interra ITR700-002 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 2m 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 230V. 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

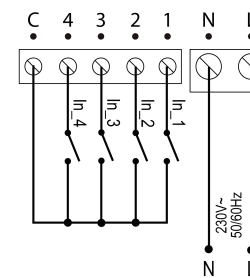


Fig. 1

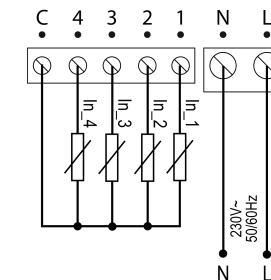


Fig. 2

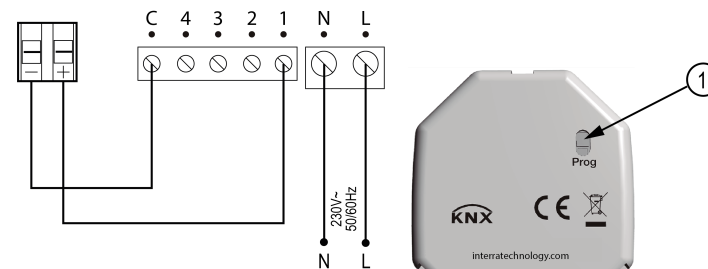


Fig. 3