

ITR750-002 - KNX RF/TP S-MODE SECURE MEDIA COUPLER



Device	ITR750-002
Power Supply	21 ~ 32 V DC
Power Consumption	< 10 mA
Buttons & LEDs	9 LEDs & 2 buttons
Security	RF/TP Medium KNX Security (AES-128) Extended filter table for main group 0..31 Max. APDU length: 55
Housing	Transparent plastic (ABS) Matches in a standard flush-mounted box
Radio Frequency	KNX RF, ISM Band 868,3 MHz, FSK
RF Output Power	6 dBm
Type of Protection	IP 20
Temperature Range	Operation (-5°C...45°C) Storage (-15°C...65°C)
Dimensions	48x40x18 mm (HxWxD)
Bus Connection	Connection for KNX Bus (Red/Black)
Certification	KNX Certified
Configuration	Configuration with ETS

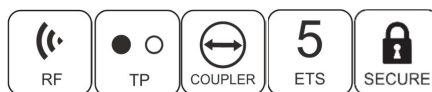
DESCRIPTION

Interra ITR750-002 is a KNX RF/TP S-Mode secure media coupler is a compact KNX radio coupler which supports KNX Data Security. It connects KNX RF devices of a radio line with the KNX Bus Twisted Pair. The device has an extended filter table for main group 0..31. The coupler supports long frames and is compatible with the ETS® software ETS5 or higher.

The buttons on the front panel allow disabling the telegram filter for testing purposes. The LEDs indicate operating conditions as well as communication errors on the KNX bus. The power is supplied via the KNX bus (main line).

FUNCTIONS & CHARACTERISTICS

- Manual control of TP can be made. Manual control can be locked in the ETS database.
- Manual control of RF can be made. Manual control can be locked in the ETS database.
- The physical address of the KNX RF/TP S-Mode secure media coupler corresponds to the form x.y.0 (x, y: 1..15). Thus the device functions as a line coupler.
- The ITR750-002 has a filter table and thus helps to reduce the bus load. The filter table supports the extended group address range (main groups 0..31) and is automatically generated by the ETS.



- 1 Button P KNX Prog
- 2 LED P KNX Prog
- 3 KNX Bus connection
- 4 LED S Status
- 5 LEDs 1-8
- 6 Button A
- 7 Button B

INSTALLATION

Mounting can be recessed in the wall and thus almost "invisible", because the housing has the right size for mounting in a standard flush-mounted box.

When selecting the mounting location, the range of the radio devices to be connected to the device must be taken into account. Shielding objects (e.g. metal cabinets) or interfering transmitters (e.g. computers, electronic transformers, ballasts) near the gateway should be avoided.

The device is connected to the KNX bus by means of a bus terminal. The correct polarity of the terminal as printed on the device must be observed.

SAFETY NOTES

- The device must be mounted and commissioned by an authorized electrician.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.

RESET FACTORY SETTINGS

It is possible to reset the device to these factory settings.

- Disconnect the KNX bus connection (3) from the device
- Press KNX programming button (1) and hold down
- Restore KNX bus connection to (3) the device.
- Keep the programming button (1) pressed for at least 6 seconds.
- A short flashing of all LEDs (2), (4) and (5) indicates the successful reset to factory settings.