

ITR900-4000 - KNX USB INTERFACE

Device	ITR900-4000
Power Supply	EIB Power supply
Power Consumption	< 5 mA (KNX TP line) < 20 mA (USB)
Connections	KNX TP and USB Type B
Mode of Commissioning	S-Mode
Type of Protection	IP 20
Temperature Range	Operation (-5°C...45°C) Storage (-20°C...60°C)
Maximum Air Humidity	< 90RH
Flammability	Non-flammable product
Color	Light grey and white
Dimensions	90x36x71 mm (WxHxD)
Certification	KNX Certified
Configuration	Configuration with ETS

DESCRIPTION

The KNX USB interface ITR900-4000 provides a galvanic isolated bi-directional connection to the bus system via KNX TP and USB. Network configurations become less time-consuming. The device is supplied by both the KNX TP line and USB. No additional external power supply is necessary.

ITR900-4000 establishes access to all bus devices connected to feature:

- Commissioning
- Addressing
- Setting parameters
- Visualization
- Protocol
- Diagnostic operations

ITR900-4000 supports the USB suspend mode. Communication protocol used for communication between interface and host is the flexible cEMI (Common External Message Interface) protocol.

The connection between KNX and a PC with standard software (like ETS, EITT; also in Raw Frame operating mode) or other software is handled by the FALCON driver. Long messages (up to 220 byte APDU length) are supported and easy software handling also under operating systems not supported by the FALCON driver (e.g.: Linux) is ensured.

MOUNTING, COMMISSIONING AND SAFETY NOTES

- The device may only be installed and put into operation by a qualified electrician or authorized personnel
- For planning and construction of electric installations the appropriate specifications, guidelines and regulations in force of the respective country have to be complied
- For mounting only use an appropriate equipment according to IEC60715
- Connect the KNX bus line as for common KNX bus connections with a KNX bus cable, to be stripped and plugged into the KNX TP connector

- Take care of the electric insulations when connecting
- Installation only in dry locations within distribution boards or enclosed housing with TH35 mounting rail
- For commissioning use the ETS
- Accessibility of the device for operation and visual inspection must be provided
- Protect the device from moisture, dirt and damage
- The housing must not be opened
- The device needs no maintenance
- If necessary, the device can be cleaned with a dry cloth

CONNECTION DIAGRAM

1. Bus state USB
 - Green: USB connection OK
 2. Bus state KNX TP
 - Green: KNX TP line OK
- A. USB connector
B. KNX TP connector