

## KNX USB Interface



<b>Product Code</b>	ITR901-0003
<b>Power Supply</b>	KNX TP Line, 21...30 V DC USB , 5 V DC
<b>Current Consumption</b>	< 5 mA (KNX TP line) < 20 mA (USB)
<b>Connections</b>	KNX TP and USB Type B
<b>Mode of Commissioning</b>	S-Mode
<b>Type of Protection</b>	IP 20
<b>Temperature Range</b>	Operation (-5°C...45°C) Storage (-20°C...60°C)
<b>Maximum Air Humidity</b>	< 90 RH
<b>Flammability</b>	Non-flammable Product
<b>Color</b>	Light grey and White
<b>Dimensions</b>	90 x 36 x 71 mm (H x W x D)
<b>Certification</b>	KNX Certified
<b>Configuration</b>	Configuration with ETS

### DESCRIPTION

The KNX USB interface ITR901-0003 provides a galvanic isolated bi-directional connection to the bus system via KNX TP and USB. Network configurations become less time-consuming with ITR901-0003. ITR901-0003 is supplied by both the KNX TP line and USB. No additional external power supply is necessary.

ITR901-0003 establishes access to all bus devices connected to feature :

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

ITR901-0003 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.

ETS database file is available at [www.interra.com.tr](http://www.interra.com.tr)

### 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 TH 35 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

