INTERRA

KNX IP INTERFACE

Product Code	ITR901-0004
Power Supply	21 ~ 32 V DC
Power Consumption	< 15 mA
Controls & Indicators	2 buttons & 3 LEDs, multicolor
KNX	TP Medium Interface Protocol : cEMI Device Model : System 7 Max. APDU length: 55
Ethernet	10 Mbit/s Protocols : ARP,IMCP,IGMP,UDP/IP,DHCP,AUTO IP Up to 5 KNXnet/IP tunneling connections simultaneously
Housing	Plastic (PC) Matches in a standard flush-mounted box
Type of Protection	IP 20
Temperature Range	Operation (-5°C...45°C) Storage (-15°C...65°C)
Dimensions	48 x 40 x 18 mm (H x W x D)
Connection	1 x KNX Bus Connector (Red/Black), 1 x RJ-45 Socket
Certification	KNX Certified
Configuration	Configuration with ETS

DESCRIPTION

Interra ITR901-0004 KNX IP Interface serves as a universal interface for PC or Laptop to the KNX bus. The KNX bus can be accessed from any point on the LAN. ITR901-0004 can be used as a programming interface for ETS® from the ETS 3.0f version. Moreover, for access via KNXnet/IP Tunneling max. 5 simultaneous connections are possible. In addition, the IP address can be obtained by a DHCP server or by manual configuration (ETS) respectively. The power is supplied via the KNX bus.

KNX LED :

LED Status	Meaning
LED lights green	KNX bus voltage available
LED flickers green	Telegram traffic on the KNX bus
LED shortly red	Communication failures on the KNX bus

IP LED :

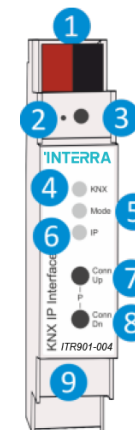| LED Status	Meaning
LED lights green	The device has an active Ethernet link and valid IP settings.
LED lights red	The device has an active Ethernet link and invalid IP settings or not yet received the IP settings by a DHCP server.
LED flickers green	IP telegram traffic

Mode LED :

LED Status	Meaning
LED lights green	Device is working in standard operation mode.
LED lights red	Programming mode is active
LED flashes green 1x..5x	Programming mode is not active. Manual operation is active. The selected tunnel (1-5) is not used and free.
LED flashes orange 1x…5x	Programming mode is not active. Manual operation is active. The selected tunnel (1-5) is used.
LED flashes red	Programming mode is not active. Manual operation is not active. The device is not properly loaded e.g. after an interrupted download.

INSTALLATION

ITR901-0004 KNX IP Interface is designed for installation on a DIN rail with a width of 1 unit (18 mm). It features the following controls and displays :

1. KNX Bus Connector
2. LED for Programming Mode (red)
3. Button for Programming Mode
4. LED KNX (multicolor)
5. LED Mode (multicolor)
6. LED IP (multicolor)
7. Button Connection up
8. Button Connection down
9. Ethernet/LAN Connector

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

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