

## ITR901-001 - KNX IP ROUTER



|                       |   |
|-----------------------|---|
| Device                | ITR901-001  |
| Power Supply          | EIB Power Supply                                  |
| Current Consumption   | < 20mA  |
| IP Connection         | RJ45 Ethernet Connector                           |
| Mode of Commissioning | S-Mode  |
| Type of Protection    | IP 20   |
| Temperature Range     | Operation (-5°C...45°C)<br>Storage (-20°C...60°C) |
| Maximum Air Humidity  | < 90RH  |
| Flammability          | Non-flammable Product                             |
| Color                 | Light Grey and White                              |
| Dimensions            | 90x36x71 mm (HxWxD)                               |
| Certification         | KNX Certified                                     |
| Configuration         | Configuration with ETS                            |

### DESCRIPTION

ITR901-001 is a KNXnet/IP routing & tunneling device and works as KNX IP line/area coupler. An external power supply is not necessary. The ability to address all bus devices in the KNX bus system makes network operations less time-consuming. Operational and filtering states, malfunction and faulty communication are indicated by LEDs. UPnP is available and the firmware can be updated by a comfortable Web front-end.

ITR901-001 connects the two communication media Ethernet/ KNX IP and KNX TP to feature (for all bus devices connected):

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

ITR900-001 is able to filter the traffic according to the installation place in the bus system hierarchy and according to the built-in filter tables for group oriented communication. Configuring from the subline can be blocked. Message filtering can be temporarily deactivated by a single button press. The time period to automatically switch back to normal operation is ETS-configurable. To ease commissioning, temporary access to other lines is possible also without download from the ETS.

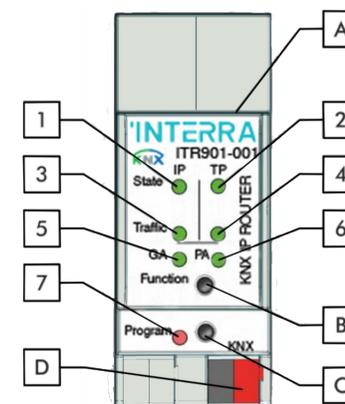
### MOUNTING, COMMISSIONING AND SAFETY NOTES

- 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.
- Installation only in distribution boards and enclosed housings.
- Installation only on a 35 mm DIN rail (TH35).

- Connect the KNX bus line as for common KNX bus connections with a KNX bus cable, to be stripped and plugged into a KNX TP connector.
- Do not damage electrical insulations when connecting.
- Installation only in dry locations.
- Accessibility of the device for operation and visual inspection must be provided.
- For commissioning use the ETS.

### CONNECTION DIAGRAM

1. State IP
  - Green: IP OK
  - Red: Manual Function active
2. KNX Bus State
  - Green: Bus OK
3. IP Telegram Traffic
  - Green: Telegram traffic extent
  - Red: Transmission error
4. KNX Telegram Traffic
  - Green: Telegram traffic extent
  - Red: Transmission error
5. Group Address Routing
  - Green: Filter active
  - Orange: Route all
  - Red: Block all
  - Off: IP / KNX line different
6. Physical Address Routing
  - Green: Filter active
  - Orange: Route all
  - Red: Block all
  - Off: IP / KNX line different
7. Programming
  - Red: Program Mode
  - Red blink: No IP connection



- A. Ethernet connector
- B. Function button
- C. Program button
- D. KNX TP connector