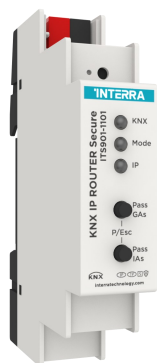


KNX IP Router Secure



Product Code	ITS901-1101
Power Supply	KNX Power Supply
Current Consumption	< 20 mA
IP Connection	RJ45 Ethernet Connector
Max APDU Length	55 Bytes
Type of Protection	IP 20
Temperature Range	Operation (-5°C...45°C) Storage (-25°C...70°C)
Maximum Air Humidity	< 93 RH
Color	Light Grey
Dimensions	91 x 18 x 62 mm (H x W x D)
Certification	KNX Certified
Configuration	Configuration with ETS

DESCRIPTION

KNX IP Router Secure enables the secure forwarding (routing) of telegrams between different lines over a LAN (IP, Ethernet) as a fast backbone. As a secure router, the device enables the connection of unsecured communications on a KNX TP line with a secure IP backbone. The KNX IP Router Secure has an extended filter table for main group 0..31 and can cache up to 150 telegrams.

The device also serves as a secure interface between IP (Ethernet) and KNX and can be used as a programming interface for the ETS®. As a KNX Secure Interface (tunneling), the device prevents unauthorized access to the system. The connection between PC and interface is encrypted.

With the KNX IP Router Secure, the KNX bus can be accessed from any point in the LAN. Encryption also enables secure programming over the Internet. The security option can be activated or deactivated in the ETS.

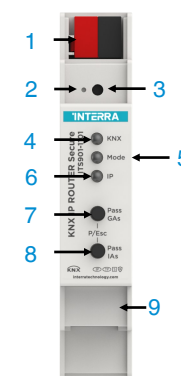
The device is characterized by a compact design with a width of only 1 module with (18 mm) and is powered by the KNX bus.

The buttons and LEDs on the device allow a local diagnosis of the current operating status and possible communication errors.

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. KNX Bus Connector
2. KNX Programming LED
3. KNX Program Button (Multicolor)
4. Bus State KNX LED

LED Status	Meaning
Green	KNX bus voltage available.
Flickers Green	Telegram traffic on the KNX bus
Shortly Red	Communication failures on the KNX bus

5. Mode Status LED (Multicolor)

LED Status	Meaning
Green	Device is working in standard operation mode.
Red	Programming mode is active
Flashes 1x Orange	Programming mode is not active. Manual operation is active. Forwarding IA or GA
Flashes 2x Orange	Programming mode is not active. Manual operation is active. Forwarding IA and GA
Flashes Red	Programming mode is not active. Manual operation is not active. The device is not properly loaded e.g. after an interrupted download.

6. IP LED (Multicolor)

LED Status	Meaning
Green	Communication failures on the KNX bus
Flickers Green	IP telegram traffic
Shortly Red	The device has an active Ethernet link and invalid IP settings or not yet received the IP settings by a DHCP server.

7. Pass GAs Button
8. Pass IAs Button
9. LAN Connector