EIB/KNX TCP IP Interface technical specifications

Model:
TLIOT-TCPIP

KNX/EIB Intelligent control system for residential and building

Function

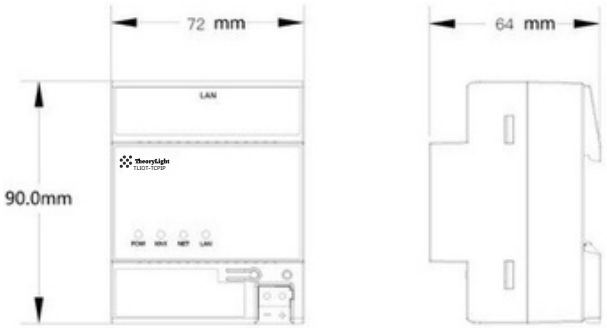
- Support TCP/IP communication interface protocol and work in TCP server mode
- Transparently forwards communication control packets
- A maximum of 10 TCP clients can be connected to the converter simultaneously
- TCP packets are converted and sent to the KNX/EIB network to control KNX devices
- Monitors EIB bus packets and forwards them to all TCP clients connected to the converter

- Read response packets are forwarded only to the sender of the read request
- Less than 14 bytes target value read and write

Specification

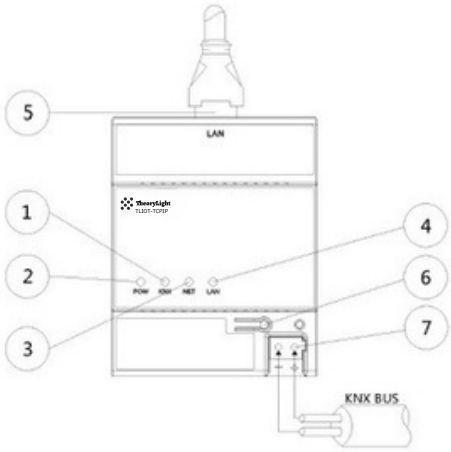
Power	working voltage	21~30VDC, obtained through EIB bus
	EIB/KNX current consumption	<12mA
	power consumption	<360mW
	Auxiliary power supply	20~30V DC
	Auxiliary power consumption	<2.5W
Connection	EIB / KNX	Bus connection terminal (black/red)
	Auxiliary power supply	Bus connection terminal (gray/yellow)
	LAN	RJ45 port
Operation and instruction	Red led and key button	Assigning physical Addresses
	Green led blink	Indicates the device application layer is working properly
	LED ON	Indicates the network connection is normal
	LAN/LINK LED	Indicates network data(data transfer)
Temperature range	Running	–5 °C ... + 45 °C
	Storage	–25 °C ... + 55 °C
	Transportation	– 25 °C ... + 70 °C
Environmental conditions	Humidity	<93%, except condensation
Installation	35mm din rail	

Dimension



Model	Dimension	Weight
TLIOT-TCPIP	72 x 90 x 64mm	0.2kg

Wiring diagram



Instruction

① KNX indicators indicate the status of sending KNX packets
② POW indicator indicates that the power supply is normal (blinking)
③ The NET indicator indicates the data transmission status of the network
④ The LAN indicator indicates the network connection status
⑤ Network interface
⑥ Reset button, used to restore factory Settings
⑦ KNX/EIB Bus connection terminal

Installation

For quick installation into distribution boxes or small boxes, the equipment is designed for modular installation according to the EN 60715 series and can be mounted on 35mm ding rails. During installation, ensure that the equipment is operated, tested, inspected, maintained and repaired correctly.

Importance hint

Installation and commissioning of equipment should only be performed by qualified and skilled electricians. All standards, instructions, rules and instructions related to the planning and implementation of electrical installation shall be strictly followed.
● Avoid damp, dirt and damage during transportation, storage and use.
● Do not allow the device to operate outside the specified technical specifications (e.g. temperature range).
● Devices can only be operated in an enclosed environment (e.g. distribution box). If the device is dirty, use a dry cloth to clean it. If that's not enough, use a damp cloth with a little soapy solution to wipe gently. Never use alkali or corrosive solvents.