

EIB/KNX RS485 Converter Specifications

Applicable Model:
TLIOT-RS485

KNX/EIB Home and building intelligent control system

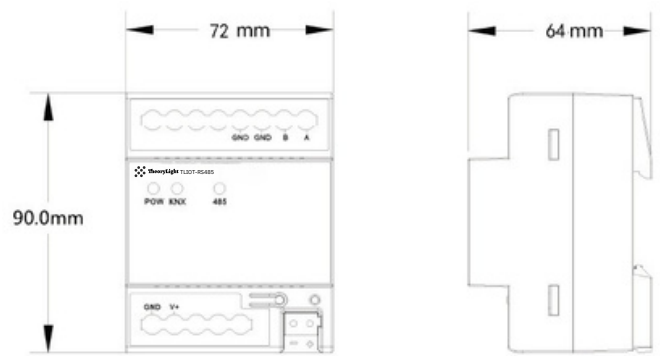
Product Features

- Open RS485 Communication Interface Protocol
- Send and receive communication control messages in a predetermined format
- RS485 Bus telegrams are converted and sent to KNX/EIB network, to achieve KNX device control
- Bus monitoring and filtering function (filter table can be modified arbitrarily, the maximum filter table 254 group address)
- ACK reports, successful Forwarding Reports
- RS485 programmable bus communication rate
- Arbitrary length target value read and write

Technical Parameters

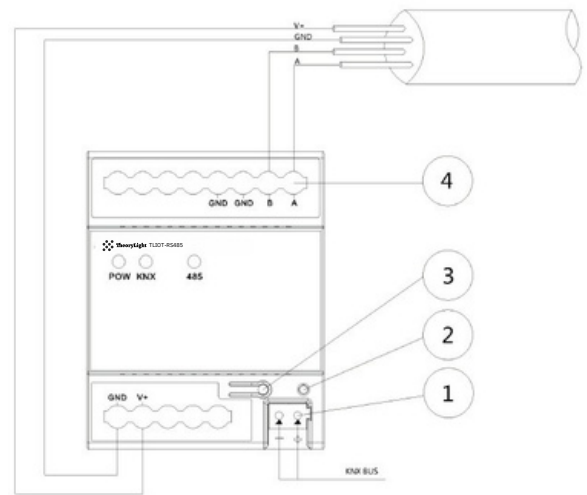
Power supply	- Operating Voltage	21~30V DC, provided by the bus
	- Input voltage	230V AC(50/60Hz)
Output	— RS485bus interface	1-ch
	— VCCDC voltage range	9V<VCC<40V(It is recommended to use
Output current	- Static power	DC12V/24V)
	- Maximum power consumption	120mW (12V), 144mW (24V)
Connection	— EIB/KNX	Bus connection terminals (diameter0.8mm)
	— Load output connection terminal	screw terminal
		single core 0.2—6.0mm ²
	— Cable cross section	Multic ore 0.2—4mm ²
Operation and instructions	- red led and buttons	assign physical address Indicates that the device application layer is functioning properly
	- green led flashing	
Temperature range	— run	- 5 °C ... + 45 °C
	— storage	- 25 °C ... + 55 °C
	- transportation	- 25 °C ... + 70 °C
Environmental conditions	— Humidity	<93%, Condensation excluded
	— DIN rail module assembly	
Install		35mmDin rail installation

Dimensions



Model	Size	Weight
TLIOT-RS485	90.0x72x64mm	0.144kg

Wiring diagram



Instruction

- 1 Programming button KNX/ EIB bus connection terminal
- 2 Red led indicates entering the physical address programming state, green led blinking indicates that the device application layer is working normally
- 3 programming button
- 4 RS485Bus terminals

Installation

In order to facilitate and quickly install this device into a distribution box or a small box, according to EN60715 series are designed as modular installation devices that can be installed in 35mm D rail. During installation, it must be ensured that the equipment is operated, tested, inspected, maintained, and repaired correctly.

Important hint

Installation and commissioning of the equipment should only be performed by qualified skilled electricians. During the planning and execution of electrical installations relevant standards, directives, rules and instructions are strictly enforced.

- The device needs to be protected from moisture, dirt and damage during transportation, storage and use.
- Do not operate the device outside of specified specifications (e.g. temperature range)
- The device can only be operated in a closed environment (such as a distribution box).

When the device is dirty, only use a dry cloth for cleaning. If this is not enough to clean, you can wipe gently with a damp cloth and a little soap solution. Never use alkaline agents or corrosive solvents