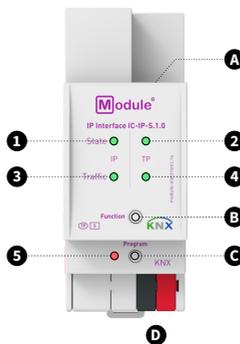# KNX IP INTERFACE
**IC-IP-S.1.0**

## BASIC INFORMATION

The KNX IP interface provides access to the KNX bus from the Ethernet network using the KNXnet/IP protocol. Using to configure, monitor, visualize and manage devices on the KNX network.

- Protocol KNXnet/IP
- Up to 4 connections simultaneously
- Ethernet 10/100 BaseT IP
- LED status indication
- Long telegrams with up to 240 bytes APDU length are supported
- WEB interface for monitoring status and device settings
- Remote firmware update
- Power supply via KNX bus
- DIN rail 35mm mounting



A. Ethernet connector     B. Function button     C. Programming button     D. KNX TP connector
1. LED IP state     2. LED bus state KNX TP     3. LED telegram traffic IP
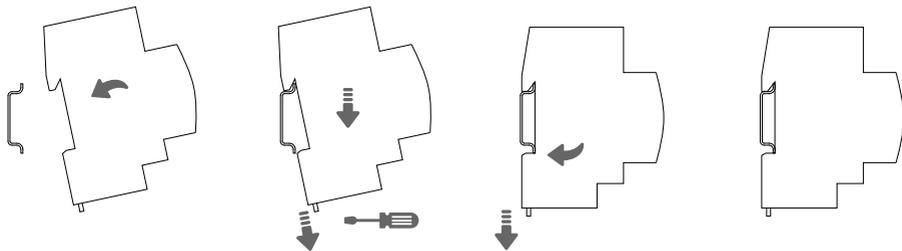4. LED telegram traffic KNX TP     5. Programming LED

## SPECIFICATIONS

| Device model | IC-IP-S.1.0 | |
|---|---|---|
| **Inputs** | | |
|     Ethernet connector | RJ45, female | |
| **KNX interface** | | |
|     Specification | TP-256 | |
|     Available application software | ETS 4 and later | |
|     KNX connector | 4-wire EIB connector (PUSH WIRE spring clips) for standard cable TP1 0,8мм Ø | |
| Supported protocols | KNXnet/IP, ARP, ICMP, IGMP, HTTP, UPnP discovery, UDP/IP, TCP/IP, DHCP и AutoIP | |
| KNX physical address by default | 15.15.0 | |
| Power supply | via KNX bus: 21...30B DC | |
| Consumption on the KNX bus (29V DC) | < 20mA | < 600mW |
| Operation temperature | -5°C ... + 45°C | |
| Operation humidity | 5 ... 95% (no condensation) | |
| Degree of protection | IP 20, clean environment | |
| Mounting type | DIN rail 35mm | |
| Dimensions | 36 x 90 x 71mm (2TE) | |
| Weight | 68g | |

## LED INDICATION

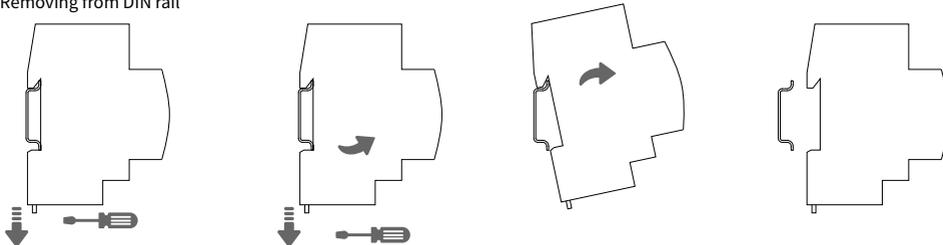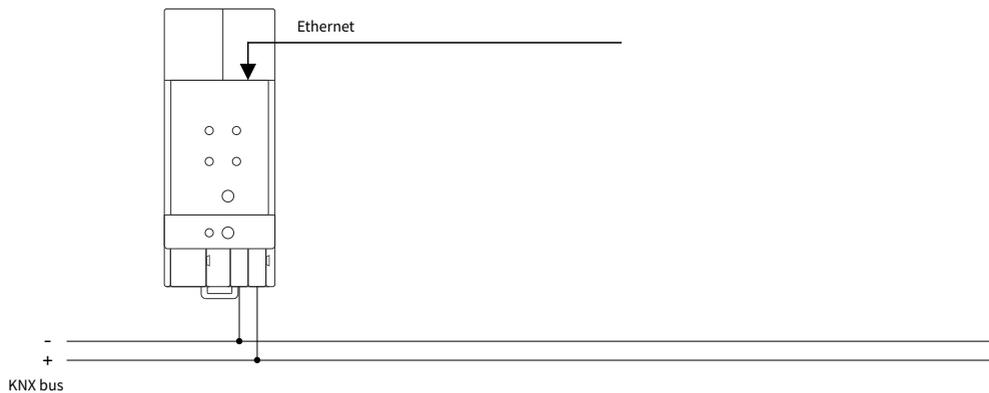| | |
|---|---|
| **1. IP state** | Green: IP line OK<br>OFF: No IP connection |
| **2. Bus state KNX TP** | Green: KNX TP line OK<br>OFF: KNX TP line not connection |
| **3. Telegram traffic IP** | Green (blinking): Telegram traffic<br>Red (blinking): Transmission error<br>OFF: No telegram traffic |
| **4. Telegram traffic KNX TP** | Green (blinking): Telegram traffic<br>Red (blinking): Transmission error<br>OFF: No telegram traffic |
| **5. Programming** | Red: Programming Mode / Boot Mode active<br>Red (blinking): No IP connection<br>OFF: Programming Mode / Boot Mode not active |

## INSTALLATION

Attaching to DIN rail

Removing from DIN rail

## WIRING DIAGRAMS

Ethernet

-
+
KNX bus

## SAFETY INSTRUCTIONS

⚠️ **ATTENTION!** Installation and connection of the device to the mains must only be carried out by qualified personnel! Be sure to turn off the power before installing or removing the device! The design of the device meets the requirements of electrical safety according to GOST 12.2.007.0-75.

## SETTING INSTRUCTIONS

The device is set up in accordance with the instruction manual. (The full manual and application program can be downloaded at https://module-electronic.ru/documents or by scanning the QR code at the bottom of the document).

## TRANSPORTATION, STORAGE AND DISPOSAL

The conditions for the transportation of devices must comply with conditions 5 of GOST 15150-69.
Storage of devices in packaging at the warehouses of the manufacturer and consumer must comply with storage conditions 1 in accordance with GOST 15150-69. After transportation or storage at low temperatures, it is necessary to withstand the device at room temperature for at least 2 hours before turning it on. Do not dispose of the device with household waste.

## WARRANTY

Warranty period - 12 months from the date of sale to the consumer. The manufacturer is not liable and does not indemnify for damage caused by the fault of the consumer in case of non-compliance with the conditions of transportation, storage, installation and operation, as well as in case of violation of the seal when trying to repair the device yourself.

All the necessary information on the warranty can be obtained by the consumer by calling Module Electronics or on the website: www.module-electronic.ru.

Serial number _____

Date of sale _____

Seller Signature _____        seller's stamp

Name, address of the trading organization _____

User Manual

**Made in Russia**        module-electronic.ru