Operating and mounting instructions
ComBridge IP Router
Order. Nr.: 3622-141-17

General Usage

The device is based on the KNXnet/IP standard and it is able to connect different KNX lines via IP. The separated KNX lines can communicate in this way. The IP Router can substitute a “classical” line coupler. The KNX lines are completely galvanically separated from each other. The data communication between the lines is done via Multicast on the IP network. Group Address filter-tables can be loaded in order to reduce the traffic in the KNX line. The device requires an additional safety low voltage 24 V DC, which has to be connected to the second terminal block.

The IP Address can be adjusted fix or it can be received from a DHCP server in the network automatically. **Default setting on delivery is DHCP.**

Device types and accessories

The following device types from this product group are currently available:

Product	Description	Order-Nr.:
ComBridge IP Router	Router/Line coupler	3622-141-17

Scope of delivery

The scope of delivery of a ComBridge IP Router includes the following individual components:

- Complete device with connected bus connector
- Operating and mounting instructions
- Delivery in break-proof individual packaging

Application programs

The following application programs are currently available:

- 3622-IPRouter-01-0212

Installation advice

Danger to life from electric current.

- The device is intended for interior installation in dry rooms.
- The device must only be installed and commissioned by an accredited electrical engineer.
- Please follow country-specific safety and accident prevention rules as well as all current KNX guidelines.
- During the installation the device must be switched off.
- Do not open the device.
- Faulty device must be returned to the manufacturer with a return delivery note.

Technical Specifications

CONNECTING DATA		
Power Supply	Supply Voltage: Consumption: Additional:	21..30 V DC 24 V/40 mA (approx. 1W) via KNX Bus
Connectors	KNX: (black/red), TP Supply: Ethernet:	0,6...0,8mm solid Connector (white/yellow) RJ45 Connector-100 Mbit
GENERAL DATA		
Control and display elements	Programming button: LED, red PWR-LED, green KNX-LED, yellow ETH-LED, yellow	To assign the physical address. Displays addressing mode Displays operation O.K. KNX Communication Displays communication via Ethernet.
Mechanical data	REG housing 2TE: Width: Height: Length: Weight: Mounting:	Plastic ABS – V0 36 mm 58 mm 90 mm 83 g 35 mm DIN rail
Electrical safety	Pollution class: Protection type:* Protection class:** Overvoltage category: KNX Bus:	2 IP20 III III SELV DC 30V
EMC requirements	Complies with:	EMC directive 2014/30/EU
Environmental conditions	Weather resistance: Environmental conditions in operation: Storage temperature: Transportation temperature: Rel. humidity: (non condensing)	EN 50090-2-2 -5°C to +45°C -25°C to +55°C -25°C to +70°C 5 % to 93 %
Approbation and CE-Signage	KNX registered: According to EMC-Guidelines:	Yes (Residential and commercial buildings), Low Voltage guidelines.

* (according to EN 60529); ** (according to IEC 1140)

Location and function of the display and control elements

The connectors for KNX bus, 24 V supply as well as the Ethernet RJ45 connector are only accessible in the distribution box when the cover is removed.

A1: 24 V DC bus connector terminal (yellow-white)
A2: KNX bus connector terminal (black-red)
A3: KNX programming button
A4: KNX programming LED, red
A5: Ethernet RJ45 socket
A6: PWR Operation LED, green
A7: KNX Communication LED, yellow
A8: ETH Ethernet Link + Communication LED, yellow