Operating and mounting instructions
ComBridge BNG
Order. Nr.: 3622-141-12

General Usage

The ComBridge BACnet Gateway serves as an interface between KNX and BACnet.

The parameterized KNX communication objects are translated as BACnet objects and can therefore communicate in the BACnet world. BACnet Clients can either register via a so-called COV-Subscription and are automatically informed about KNX events or they use the Read Property Service to query the status of the objects as required.

The device requires an additional safety extra-low voltage of 24VDC, which is connected via a second terminal block.

Delivery status:
IP-Address: **192.168.1.135**
Subnet Mask: **255.255.255.0**

Device types and accessories

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

Product	Description	Order-Nr.:
ComBridge BNG	BACnet Interface	3622-141-12

Scope of delivery

The scope of delivery of a ComBridge BNG 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-BACnetServer-01-0112

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..30VDC 24V/40mA (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 ERR-LED, red LNK-LED, yellow	To assign the physical address. Displays addressing mode Displays device fault Displays communication via Ethernet.
Mechanical data	REG housing 4TE: Width: Height: Length: Weight: Mounting:	Plastic ABS – V0 72 mm 58 mm 90 mm 117 g 35mm 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 con- ditions 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 device connectors as well as the programming button and programming LED that are required for commissioning are only accessible in the distribution box when the cover is removed.

A1: 24VDC 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: ERR Fault indication LED, red
A7: LNK Ethernet Link + Communication LED, yellow