

## 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		
<b>Power Supply</b>	Supply Voltage: Consumption: Additional:	21..30VDC 24V/40mA (approx. 1W) via KNX Bus
<b>Connectors</b>	KNX: (black/red), TP Supply: Ethernet:	0,6...0,8mm solid Connector (white/yellow) RJ45 Connector-100 Mbit
GENERAL DATA		
<b>Control and display elements</b>	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.
<b>Mechanical data</b>	REG housing 4TE: Width: Height: Length: Weight: Mounting:	Plastic ABS – V0 72 mm 58 mm 90 mm 117 g 35mm DIN rail
<b>Electrical safety</b>	Pollution class: Protection type:*\br/>Protection class:** Overvoltage category: KNX Bus:	2 IP20 III III SELV DC 30V
<b>EMC requirements</b>	Complies with:	EMC directive 2014/30/EU
<b>Environmental conditions</b>	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 %
<b>Approval and CE-Signage</b>	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

