

THE ROUTER SOLUTION FOR YOUR BUSINESS



UBR-01 | Mk II

The BACnet Router

The Universal BACnet Router UBR-01 | Mk II enables the implementation of the BACnet network topologies ISO 8802-2 (also known as BACnet / Ethernet known), BACnet / IP and MS / TP (serial BACnet networks based on RS485).

The MBS UBR-01 | Mk II supports the MS / TP slave proxy functionality "Auto-Discovery Slave" and "Manual Slave Proxy". This allows slave devices using Who-Is / are I-Am detected telegrams in the network. With the integrated web interface can thus be for example, documentation, system information or pictures to save or retrieve. The whole setup process of MBS router is available through the web interface and simplifies integration considerably.

Based on our modularity, we develop and manufacture cost-effective and time-efficient solutions for you which are highly innovative and guarantee a secure investment. Take advantage of the expertise we have accumulated over more than 30 years and our experience of customer projects in various industries.

PWR - Power

Operating voltage:
V+: +12 to +24V DC or 12 to 24V AC
V-: GND or 12 to 24V AC

LAN

J45: 10/100 MBit Ethernet
Link: Displays a LAN connection
10/10: Displays the connection speed

LED

Power: Lights up as soon as the device is connected to a suitable operating voltage
RX: Blinks when the unit is receiving data
Status: Multicolor status LED
TX: Blinks when the unit is transmitting data

Reset

Reset button

MS/TP

B+: Non-inverted input
A-: Inverting input
SGND: Ground connection
Shld: Shield connected to PE

Dip switch

Bias: voltage for RS485
Bias: voltage for RS485
120 Ohm: terminating resistor

BACnet routing options

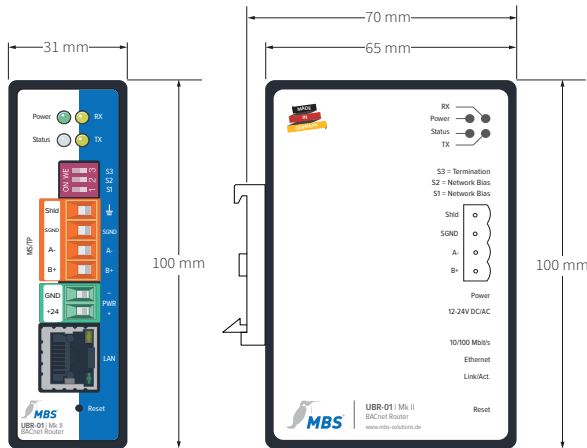
BACnet-SC
BACnet / IP
BACnet / Ethernet (ISO 8802-3)
BACnet / MS/TP (RS485)
BBMD (BACnet Broadcast Management Device)
FD (Foreign Device)

Features

BACnet Secure Connect (BACnet/SC)
BACnet Revision 22
Slave-Proxy Mode
Auto-Slave-Detection
ARM9 processor
200MB
integrated Web server for configuration and analysis
No Moving parts such as fans or similar
Monitoring of all functions with hardware and software watchdog
After a power failure of the UBR-01 router automatically restarts
Supporting international language packages
DHCP-Server (Dynamic Host Configuration Protocol)
Integrated and switchable network and bias resistors



Universal-BACnet-Router UBR-01 supports the current BACnet Revision 22 and can therefore be used to build the innovative Secure Connect (BACnet/SC) security structure. It also makes it possible to implement BACnet network topologies ISO 8802-2 (also known as BACnet/Ethernet), BACnet/IP and MS/TP (RS485-based serial BACnet networks).



Need help with commissioning?

Contact us!

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Specifications

Power consumption: 1.7 watts
Weight: 250 grams
Dimensions: height: 100 mm, width: 30 mm, depth: 70 mm (incl. DIN top-hat rail adapter)
Ambient temperature: 0...45°C, 32...113°F
Ambient humidity: 20...80 per cent relative humidity, non-condensing
Protection class: IP20
Assembly: DIN top-hat rail TS35 in accordance with EN 60715

Article numbers

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*This product is CE certified
*Specifications subject to change



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