WEB BACNET ROUTER

PRODUCT DESCRIPTION

BACnet router with the additional BACnet / Modbus bridge functionality contains application layer with compact SQL database, accessible through a web service.

Configuration is done through web interface or the USB port. BACnet routing is established through the Ethernet port and four RS485 ports. Up to 32 of Bacnet/IP layers are supported through one Ethernet physical layer.

Routing table is flexible and may contain up to 65535 entries. Both, serial (RTU and ASCII) are supported.
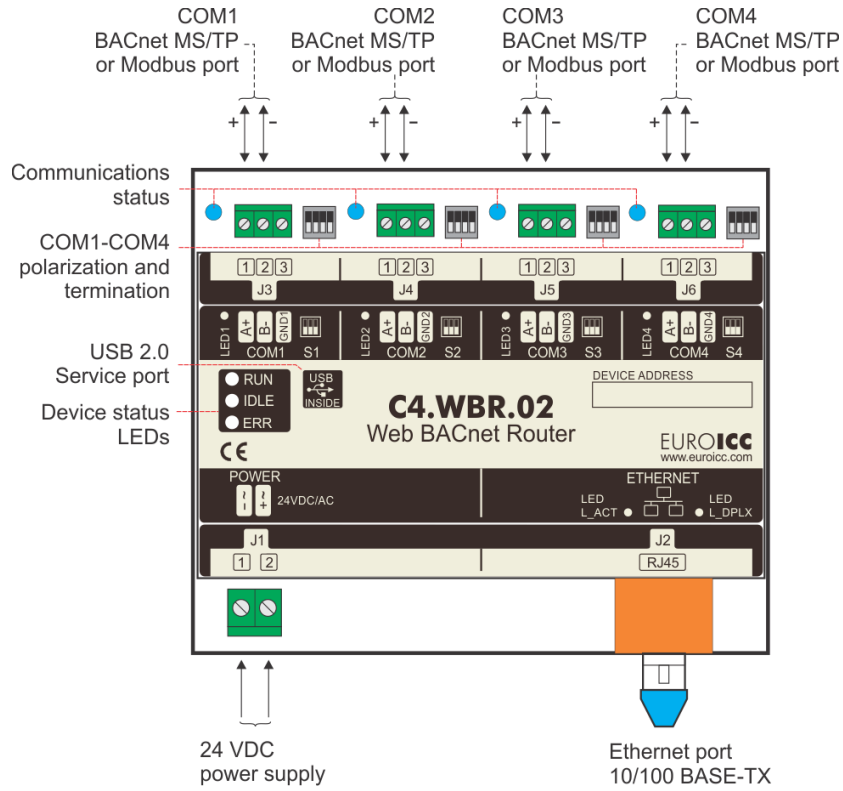
TECHNICAL DATA

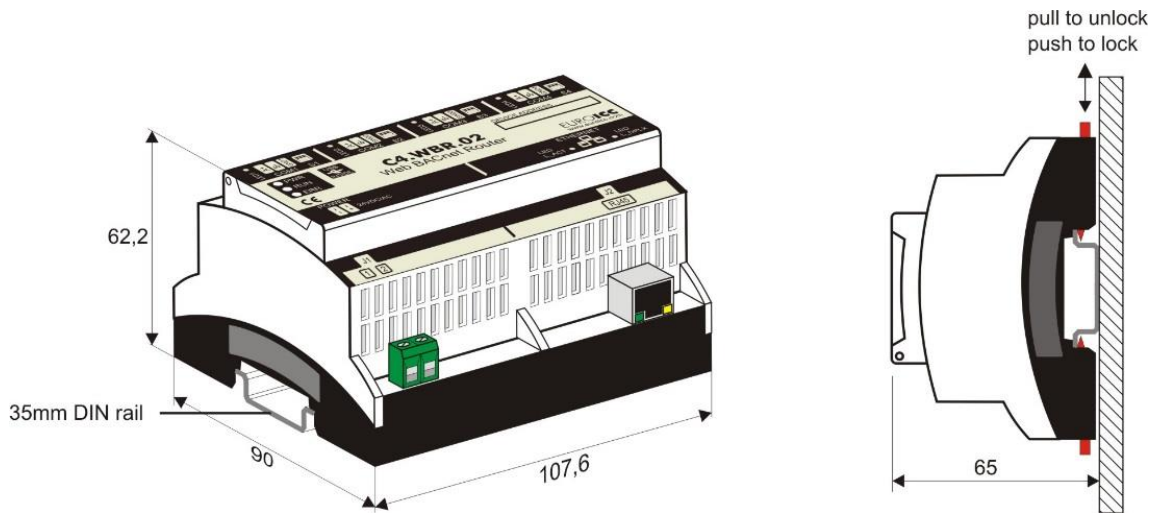| ELECTRICAL SPECIFICATIONS	
Power supply	24 VDC, 5 W
COMMUNICATION CHANEL	
Ethernet	10/100BASE-TX
4x RS 485	Up to 32 devices on bus without usage of repeaters
USB	USB device, mini USB connector, service port
HARDWARE RESOURCES	
Microprocessor	ARM9 (32bit architecture, 400 MIPS)
RAM memory	128 MB
Flash memory	512 MB
RTC	With backup power supply
ADDITIONAL SPECIFICATIONS	
Operating temperature	-10.. +70 °C
Storage temperature	-40.. +85 °C
Operating humidity	Max 95% r.H., no condensation
Protection degree	IP20
Mounting	DIN rail, for indoor use only
Dimensions	107.6x90x62.2 mm
Weight	250 g

PRODUCT FEATURES

» Available ports: 1x Ethernet port, 4 x RS485 ports
» Interchangeable ports for BACnet and Modbus
» Up to 32 of Bacnet/IP and Modbus/IP layers is supported through one Ethernet physical layer. Routing table is flexible and may contain 65533 entries
» Device supports time synchronization
» BACnet application layer supports the following standard BACnet objects: 1. Device, 2. Analog Input, Analog Output, Analog Value, 3. Binary Input, Binary Output, Binary Value, 4. Multi -State Input, Multi -State Output and Multi -State Value, 5. File, 6. Additional BACnet objects by software updates

» Application layer relies on SQLite database, so that data collected from the networks are available even in case of communication loss
» Modbus application layer supports the following functions:1. Read Coils, Read Discrete Inputs, 2. Read Holding Registers, Read Input Registers, 3. Write Single Coil, Write Single Register, 4. Write Multiple Coils, Write Multiple Registers, 5. Read File Record, Write File Record
» RTC (real-time clock) with backup power supply
» LED indicators for device and communication status

WIRING AND RESOURCES

COM1
BACnet MS/TP
or Modbus port

COM2
BACnet MS/TP
or Modbus port

COM3
BACnet MS/TP
or Modbus port

COM4
BACnet MS/TP
or Modbus port

Communications status

COM1-COM4 polarization and termination

USB 2.0 Service port

Device status LEDs

DEVICE ADDRESS

C4.WBR.02
Web BACnet Router

euroICC
www.euroicc.com

24 VDC power supply

Ethernet port
10/100 BASE-TX

DIMENSIONS AND MOUNTING

62,2

35mm DIN rail

90

107,6

pull to unlock
push to lock

65

SAFETY NOTES

- The device is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- It may only be installed by suitably trained personnel.
- Any legal regulations or regulations issued by authorities must be observed during assembly.

- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.