

The MCS-BACNET-ROUTER2 Specifications & Description

Specifications

- Voltage 12-24 vac or 12-35 vdc
- Power consumption ... 2 Watt typ.
- Frequency 47-67 Hz (AC), N/A (DC)
- Mounting 35 mm Din-rail

Environmental

- Dimensions 4.13" x 3.38" x 2.36"
(105L x 86W x 60H in mm)
- Weight 5.50 oz. (0.24kg)
- Operating Temp. 5° C to 50° C (41° F to 122° F)
- Storage Temp -10° C to 85° C (14° F to 185° F)
- RH. Operating 10 to 90% RH @ 50° C
(Non Condensing)
- RH. Storage 90% RH @ 50° C
(Non condensing)
- Protection IP 40 (enclosure);
IP 20 (terminals)
- Power LED Green when power is supplied
to terminals 15, 16, & 17.

Functional

Ethernet

- Data Rate 10 Mbps, 100 Mbps
- Physical Layer 10-BASE-T
- Cable Length 100m (max)
- Port Connector Shielded RJ-45
- Link LED Green when connection is made
- Activity LED Green for 6 ms when packet is sent or received or when a collision is detected on network cable
- BACnet/IP Led Flash green when packets are sent or received

MS/TP

- Compliance ANSI/ASHRAE 135-2004
(ISO 16484-5)
- Data Rate 9,600 / 19,200 / 38,400 / 76,800
- Cable Length 1200 meters
- Port Connector 3-pin removable terminal block
- Activity LED Green on / flashing off is normal as Multi-Master mode w/ traffic
- Orange LED Orange Flashing is receiving in Sole Master mode
- Red LED Red on is lost token / Fast flash is TX / RX errors



Part # MCS-BACNET-ROUTER2

Product Description

The MCS-BACNET-ROUTER2 is used to convert the MCS-MAGNUM's BACnet/IP interface to BACnet/MSTP interface. It routes packets between BACnet/IP and BACnet MS/TP networks as per the ANSI/ASHRAE 135 (ISO 16484-5) standard. The router is configurable in the field via its web page through Internet Explorer and the assigned IP address.

The MCS-BACNET-ROUTER mounts on a 35 Din-Rail and is powered from a 12-24 VAC or 12-35 VDC source. The unit contains one MS/TP port and one 10/100 Mbps Ethernet port.

It has a removable 3-pin terminal block for the EIA-485 connection.

The Ethernet port offers a shielded RJ-45 connector. Through auto negotiation and Auto-MDIX, it automatically matches its duplex settings, data rate and signal polarity to whatever is needed by the attached equipment. Therefore, any CAT5 cable can be used for hookup.