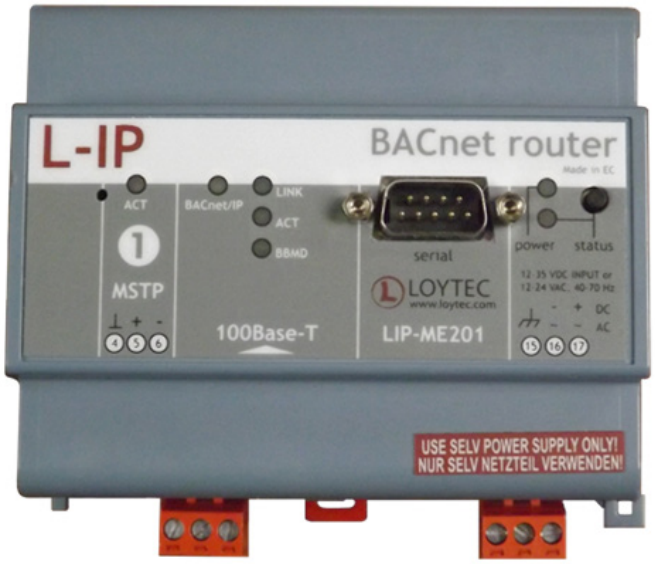
MCS-BACNET-ROUTER2
Description & Specifications



Part # **MCS-BACNET-ROUTER2**

Description

The **MCS-BACNET-ROUTER2** is used to convert the MicroMag's BACnet/ MSTP interface to BACnet/IP 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 browser.

The MCS-BACNET-ROUTER2 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.

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 condesing)
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

Revision 2015-07-16

5580 Enterprise Pkwy., Fort Myers, FL 33905
Office: 239-694-0089 • Fax: 239-694-0031 www.mcscontrols.com