BACnet®/IP to MS/TP Router

Overview

The router routes messages between BACnet/IP and BACnet MS/TP networks as per the ANSI/ASHRAE 135 (ISO 16484-5) standard. It allows BACnet/IP devices connected over Ethernet to communicate with MS/TP devices. The router is configurable via its web page.

A resident web server allows commissioning, re-configuration and troubleshooting with a standard web browser. A reset switch is provided on the router to set the unit to factory default IP address. Three LEDs are provided: the power LED glows green when proper power is provided. A bi-color Ethernet LED glows green for 100 Mbps operation and yellow for 10 Mbps and indicates activity by flashing. A green LED flashes when valid MS/TP traffic is received.

Internal MS/TP bias and termination jumpers are provided to allow flexible bias and termination options. They can be removed for mid-span installations. Each unit compiles with Class A radiated and conducted emissions as defined by EN55022 and CFR 47, Part 15.

Applications

- Use existing Ethernet infrastructure
- Locate MS/TP devices where no MS/TP cable exists
- Add IP address to MS/TP devices
- Provide access to MS/TP devices from multiple BACnet/IP enabled controllers
- End-of-line MS/TP bias and termination provided by router

Features & Benefits

- Route between BACnet/IP to BACnet BACnet MS/TP networks
- Diagnostic LEDs include MS/TP traffic monitor
- Optically isolated MS/TP communication port

- Web server for commissioning, re-configuring and troubleshooting
- 10/100 Mbps Ethernet Auto-MDIX port
- Jumper-selectable MS/TP bias and termination

Product Warranty & Total Quality Commitment

All Distech Controls product lines are built to meet rigorous quality standards and carry a two-year warranty. Distech Controls is an ISO 9001 registered company. Distech Controls' products provide both the contractor and the end user with the flexibility of using "best-of-breed" products in system design.
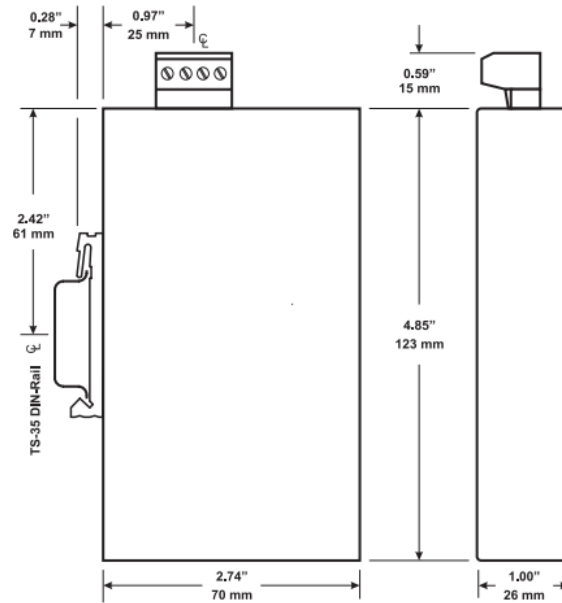
Available Models

PDICC-BASRTXBXX

BACnet /IP to MS/TP router
- Route between BACnet/IP to BACnet BACnet MS/TP network
- Provide access to MS/TP devices from multiple BACnet/IP enabled controllers

Power		
Input	DC	AC
Voltage:	24(±10%)	24 (±10%)
Current:	125 mA (max)	125 mA (max)
Power Consumption	3 W	3 VA
Environmental		
Operating Temperature:	0°C to 60°C; 32°F to 140°F	
Storage Temperature:	-40°C to 85°C; -40°F to 185°F	
Relative Humidity:	10 to 95%, non-condensing	
Protection	IP30	
Enclosure		
Material:	Metal	
Color:	black	
Dimensions (W x H x D):	2.76" x 4.85" x 1.00" (70mm x 123mm x 26mm)	
Installation:	DIN-Rail	
Interface		
Port:	**Ethernet**	**MS/TP**
Compliance:	IEEE 802.3	ANSI/ASHRAE 135 (ISO 16484-5)
Data rate:	10 Mbps, 100 Mbps	9,600; 16,200; 38,400; 76,800 bps
Physical Layer:	10BASE-T, 100BASE-TX	EIA-485
Max Cable Length:	100 m	1200 m
port Connector:	Shielded Rj-45	3-pin terminal block
		Jumper-selectable bias and termination
	Green = 100 Mbps (flash for activity)	green = MS/TP (flash for activity)
LED Indicators:	Yellow = 10 Mbps (flash for activity)	
Regulatory Compliance		
CE:	EN 55022	
	EC 55024	
FCC:	FCC Part 15 Class A	

All materials and manufacturing processes comply with the RoHS directive (RoHS✓).