



Overview

The BACnet/IP to MS/TP adapter is a convenient device used to connect a laptop to an MS/TP network. All the electronics are provided in a lightweight, small plastic case. The unit is powered from a USB port. This small device can easily be carried from jobsite to jobsite in a laptop bag utilizing a CAT5e cable for communication and USB cable for power. No batteries or wall plug are required.

The adapter 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 adapter 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 adapter 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.

The adapter is shipped with a 5-foot CAT5 cable, a 6-foot USB cable and a 10-foot cable specifically designed to connect directly to Distech Controls field controllers. Each unit complies with Class A radiated and conducted emissions as defined by EN55022 and CFR 47, Part 15.

Applications

- Connect to MS/TP network using a notebook or PC
- Commission devices before your network is up and running
- Lightweight portable plastic case for inclusion in integration kit
- Connect directly to a Distech Controls field controller using the provided cable

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-negotiation and automatic medium-dependent interface crossover port
- Powered through USB port

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

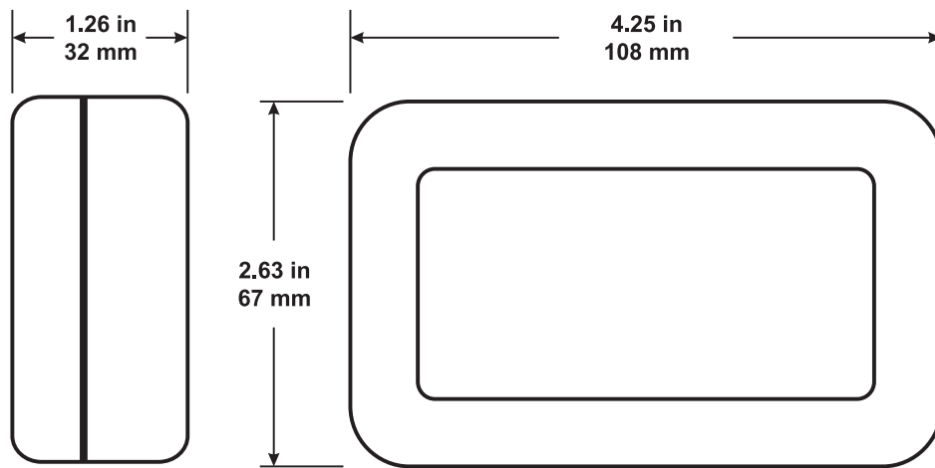


PDICC-BASRTPBXX

BACnet/IP to MS/TP Adapter

- Connect a laptop PC directly to the MS/TP trunk
- Commission devices before the network is up and running

Product Specifications



Power

Input:	USB (Type B Port)
Voltage:	5 VDC (nominal)
Current	300 mA (typical)
Power Consumption:	2.5 W

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:	Plastic
Color:	Black
Dimensions (W x H x D):	4.25" x 2.63" x 1.26" (108mm x 67mm x 32mm)
Installation:	USB Plug

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
	Green = 100 Mbps (flash for activity)	Jumper-selectable bias and termination
	Yellow = 10 Mbps (flash for activity)	green = MS/TP (flash for activity)
LED Indicators:		

Regulatory Compliance

CE:	EN 55022
	EC 55024
CFR	CFR 47, Part 15 Class A

All materials and manufacturing processes comply with the RoHS directive .

Specifications subject to change without notice.

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www.distech-controls.com

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