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 compiles with Class A radiated and conducted emissions as defined by EN55022 and CFR 47, Part 15.

Overview

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-negation 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDICC-BASRTPBXX</td>
<td>BACnet/IP to MS/TP Adapter</td>
</tr>
<tr>
<td></td>
<td>- Connect a laptop PC directly to the MS/TP trunk</td>
</tr>
<tr>
<td></td>
<td>- Commission devices before the network is up and running</td>
</tr>
</tbody>
</table>

Product Specifications

www.distech-controls.com
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
Physical Layer: 10BASE-T, 100BASE-TX
Max Cable Length: 100 m
port Connector: Shielded RJ-45, 3-pin terminal block
LED Indicators: Green = 100 Mbps (flash for activity), green = MS/TP (flash for activity) green = MS/TP (flash for activity), green = MS/TP (flash for activity), green = MS/TP (flash for activity)

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

Specifications subject to change without notice.
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