BACnet® MS/TP Repeater

Overview

The BACnet MS/TP repeater is designed to extend your network beyond the 4,000 feet range limitation of RS-485. The repeater also augments the RS-485 signal to allow more devices on a single channel.

Applications

- Extend the range of your RS-485 BACnet MS/TP field bus by 4000 ft.
- Augment an attenuated signal to add extra devices to your channel

Features & Benefits

- Auto switching baud rate, 300 ~ 115200 bps
- DIN-Rail mountable
- ESD Protection for the data line
- Flexible power input, +10 ~ +30 VDC

Product Warranty & Total Quality Commitment

This product is under warranty regarding defective materials for a period of one year from the date of delivery to the original purchaser. Distech Controls and its supplier are ISO 9001 registered companies. 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>PDID-BACNETREPX0</th>
<th>BACnet MS/TP repeater</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>- Extend the range of your BACnet network by 4000 ft</td>
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<td>- Augment an attenuated signal to add extra devices to your channel</td>
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Related Products

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<th>Power Supplies</th>
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<td>07PWS-DINKAS2F</td>
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<td>07PWS-GPSU06U6</td>
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**Product Specifications**

![Diagrams of the product from different views](https://www.distech-controls.com/products/bacnet-ms-tp-repeater)

### Power
- **Voltage:** +10 VDC to +30 VDC (non-isolated)
- **Power Consumption:** 2.16 W

### Environmental
- **Operating Temperature:** -25°C to 75°C; -13°F to 167°F
- **Storage Temperature:** -30°C to 75°C; -22°F to 167°F
- **Relative Humidity:** 10 to 90%, non-condensing

### Enclosure
- **Material:** Plastic (Fire Retardant materials UL 94-VO)
- **Color:** Grey
- **Dimensions (W x H x D):** 2.83” x 4.80” x 1.38” (72mm x 122mm x 35mm)
- **Installation:** DIN-Rail

### Interface
- **Input:** 1 RS-485 Channel: Data+, Data-
- **Output:** 1 RS-485 Channel: Data+, Data-
- **Wiring:** 07CBL-BACNET
- **Transfer Distance:**
  - Max. 1,200 m @ 9.6kbps;
  - Max 400 m @ 115.2 kbps
- **Max. Devices supported:** 256
- **Speed:** 300 to 115200 bps (self-tuning)
- **LED Indicators:** Power/Communication

### Electromagnetic Compatibility
- **CE:**
  - EN 61000-3-2:2000 Class A
- **FCC:**
  - FCC Part 15 Class A

All materials and manufacturing processes comply with the RoHS directive.

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