



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



PDIID-BACNETREPX0

BACnet MS/TP repeater

- Extend the range of your BACnet network by 4000 ft
- Augment an attenuated signal to add extra devices to your channel

Related Products

Power Supplies



07PWS-DINKA52F

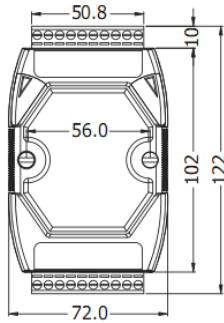
24 V_{DC}/1.04 A, 25 W Power Supply with Din-Rail Mounting



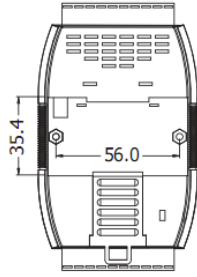
07PWS-GPSU06U6

24 V_{DC}/0.25 A, 6 W Power Supply with wall plug

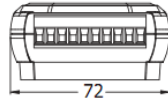
Product Specifications



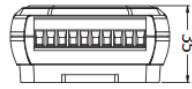
Front View



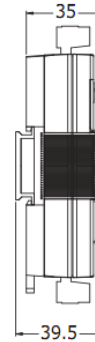
Back View



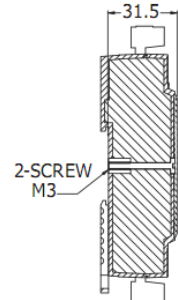
Top View



Bottom View



Din-Rail Mounting Bracket



Side View

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 55022:1998+A1:200 Class A
EN 61000-3-2:2000 Class A
EN 61000-3-3:1995+A1:2001
EC 55024:1998+A1:2001
FCC: FCC Part 15 Class A

All materials and manufacturing processes comply with the RoHS directive 

Specifications subject to change without notice.

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05DI-DSBREPT-11

BACnet MS/TP Repeater

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