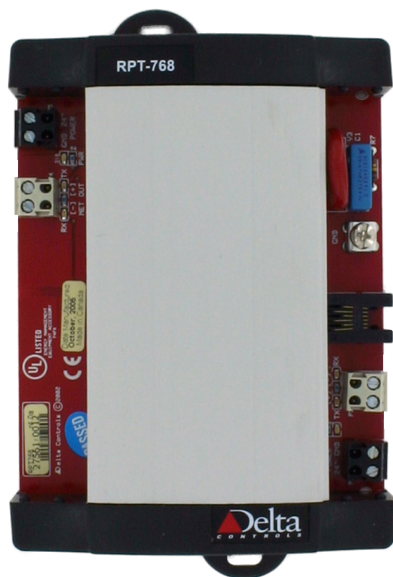


Accessories

RPT-768: BACnet MS/TP Repeater

Description

The Delta Controls RPT-768 is an intelligent RS-485 BACnet® MS/TP network repeater. It is used to extend a BACnet MS/TP network and to provide isolation. The RPT-768 can be powered by 2 independent power sources to achieve maximum isolation. The RPT-768 uses an 8-bit processor to optimize the network signal and to provide autobaud capabilities.



Application

The Delta Controls RPT-768 extends an RS-485 network so that additional devices or cable length can be added. The RPT-768 uses Delta's MS/TP autobaud detection feature to automatically sense and match the repeaters timing to the network timing. No manual configuration is required.

Features

- ▶ Provides up to 500 volts of isolation when both sides of the repeater are powered by separate transformers
- ▶ Comes with a service port on NET IN so that the network can be accessed from the repeaters' location
- ▶ Can be used with any BACnet MS/TP network (meets BACnet MS/TP router specifications)
- ▶ Uses autobaud detection to remove the need for any special configuration software or manual adjustment
- ▶ Has manual baud adjustment for use with non-Delta RS-485 networks

Specifications

Network Isolation

Provides 50 volts network isolation with 1 isolated transformer

Provides 500 volts network isolation with 2 isolated transformers

Connectors

Removable screw-type terminal connectors

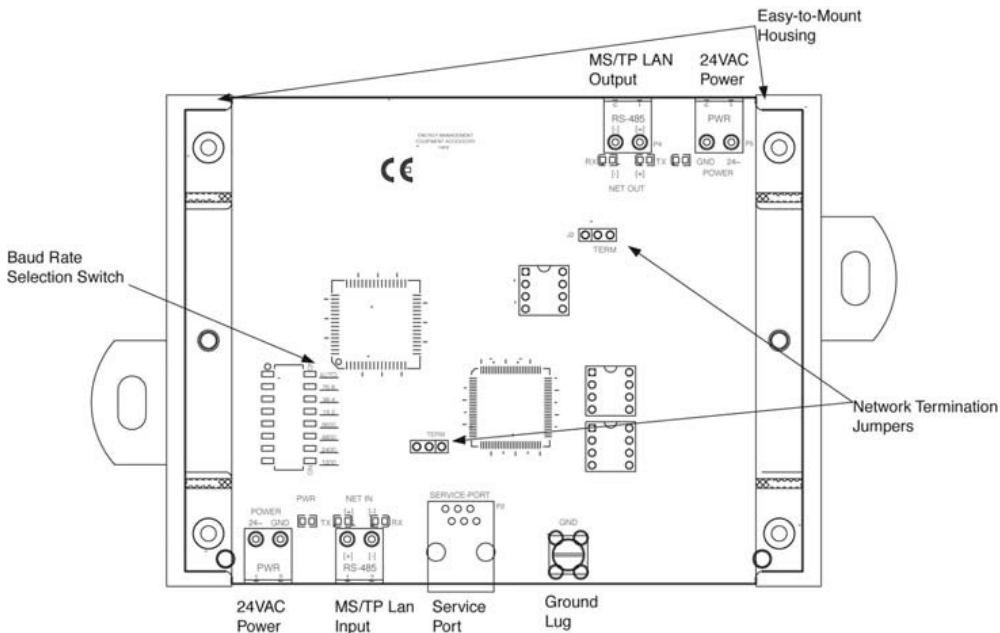
Ground lug

Wiring Class

Class 2

Accessories

RPT-768: Board Layout Diagram



Specifications (Continued)

Power

24 VAC @ 4 VA (per supply), 8 VA in total

Power (UL864)

24 VAC @ 4 VA (per supply), 8 VA in total

Technology

8-bit processor with internal A/D, flash and RAM

Communications Port

BACnet MS/TP @ 9600, 19200, 38400, 76800 bps (default)

Ambient

32° to 131°F (0° to 55°C)
10 to 95% RH (non-condensing)

Dimensions

6.4 x 4.0 x 1.9 in. (16.1 x 10 x 4.75 cm)

Weight

0.41 lb. (190 g) with housing and strap

Compliance

CE
FCC

Listings

UL 916 Listed
UL 864 Listed (UL864-RPT-768 only)

Ordering

Order the BACnet MS/TP repeater according to the following product numbers:

RPT-768	BACnet MS/TP repeater
UL864-RPT-768	BACnet MS/TP repeater, UL 864 Listed

Accessories

CON-768BT	Delta Network Bluetooth to MS/TP Converter
CON-768	Delta Network Converter
TRM-768	Delta Network Terminator for BACnet MS/TP

BACnet is a registered trademark of the American Society of Heating, Refrigerating and Air Conditioning Engineers Inc.

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Subject to change without notice.