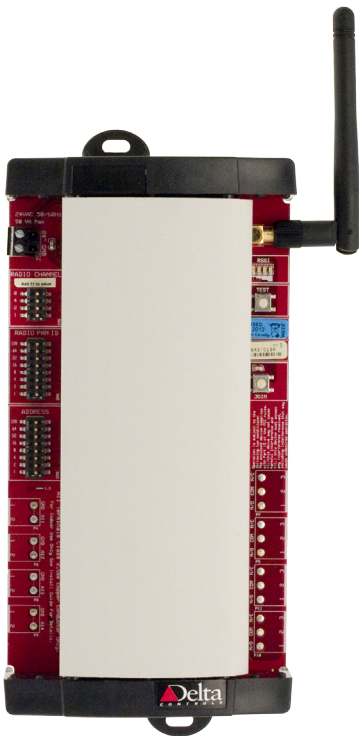


enteliMESH®

eM-RPT: Wireless Repeater

Description

The eM-RPT is a wireless router/repeater capable of extending the range between enteliMESH wireless devices and the enteliTOUCH (eTCH) device. Multiple repeaters can be used to extend ranges even further, to meet the needs of the most demanding environments.



Application

The eM-RPT can extend the range of up to 8 sensors per eM-RPT. It can also be used to identify and strengthen weak signal locations, found in harsh wireless environments.

The eM-RPT's compact size allows for mounting in tight spaces and the RP-SMA connector allows for the choice of a default fixed or an optional remote antenna.

Features

- ▶ Extends communication distance up to 30 m (100 ft) indoors
- ▶ Self-routing, self-healing, mesh networking
- ▶ Compact size, easy to mount
- ▶ Multiple antenna options (using SMA connector)
- ▶ Radio frequency channel is set via DIP switches
- ▶ PAN ID chosen is set via DIP switches
- ▶ Device address is set via DIP switches

Specifications

LED Indicators

Scan
Radio RSSI (Received Signal Strength Indicator)
Device Status
Join/Pair

Device Addressing

Set via DIP switches

PAN ID

Set via DIP switches

Connectors

Removable screw-type terminal connectors

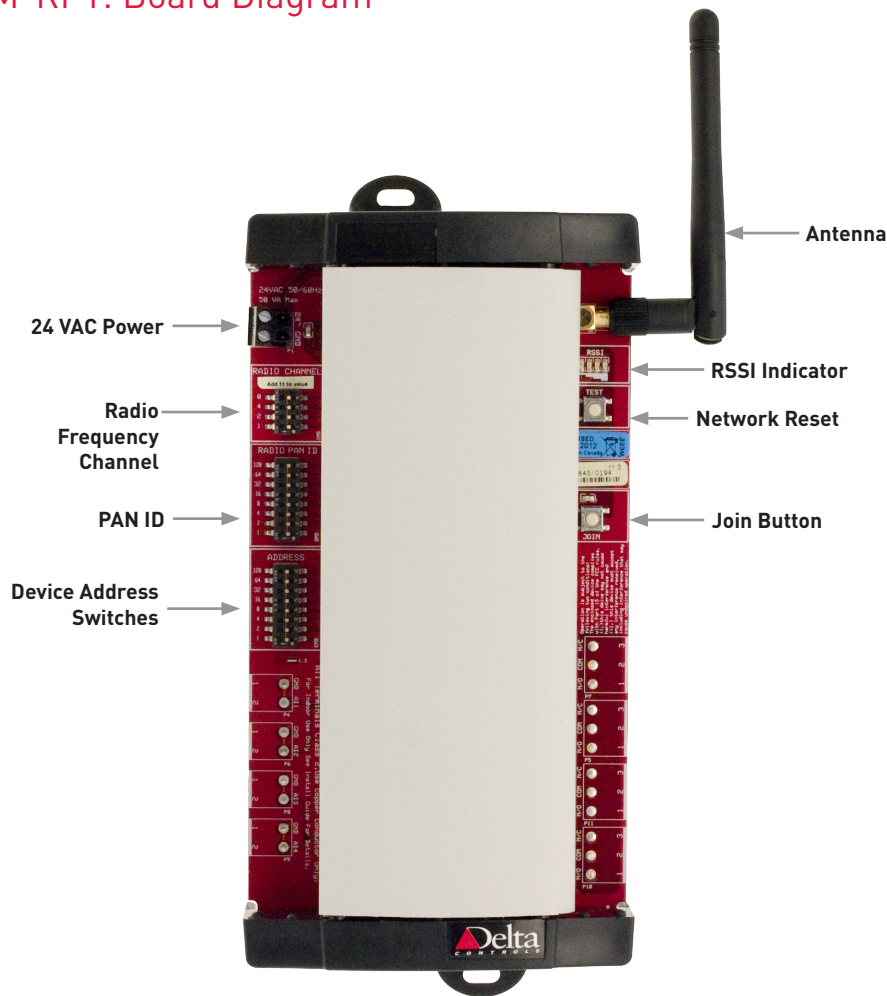
RP-SMA antenna

Wiring Class

Class 2

enteliMESH[®]

eM-RPT: Board Diagram



Specifications (Continued)

Power

24 VAC 50/60 Hz @ 5 VA

Technology

16-bit processor

Communications Port

ISM 2.4 GHz frequency band, wireless digital spread spectrum 802.15.4 compliant

Ambient

32° to 131°F (0° to 55°C)
10 to 90% RH (non-condensing)

Dimensions

7½ x 3⅞ x 1⅞ in. (19.2 x 10 x 4.8 cm)
excludes antenna

Weight

0.75 lb. (340 g) with housing

Compliance

CE (ETSI)
IC
FCC, Class B, Part 15

Listings

UL 916 Listed

Ordering

Order the eM-RPT according to the following product numbers:

eM-RPT	Delta Controls Wireless Repeater
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Accessories

eTCH-7ET	enteliTOUCH with ethernet and temperature
eTCH-7ETO	enteliTOUCH with ethernet, temperature and occupancy
eWNS-TxxxB	Temperature sensor, 3.6V lithium battery

enteliTOUCH and enteliMESH is a registered trademark of Delta Controls Inc.

Updated February 2015

Subject to change without notice.