



## Wireless Interface: DFM-ZBEE

### Description

The DFM-ZBEE is a wireless interface device capable of transmitting and receiving wireless communications from enteliMESH temperature and humidity sensors. The DFM-ZBEE is a compact module, that works in conjunction with a System or Application Controller providing remote data via Delta's LINKnet™ network.



**DFM-ZBEE**

### Application

The DFM-ZBEE communicates with up to 8 wireless devices total including eM-RPT repeaters. It receives data such as temperature, humidity and battery condition, and then makes it available via LINKnet. It also identifies signal strength received from a sensor or repeater.

The DFM-ZBEE'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

- Supports communication via Delta's LINKnet network
- Communication distances up to 30 m (100 ft) indoors
- Automatic selection of optimum channel for reliable signals
- Compact size, easy to mount
- Multiple antenna options

### Specifications

#### Communication Ports

Delta LINKnet @ 76800 bps (maximum 8 devices on LINKnet, with no more than 1 DFM-ZBEE)

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

#### Technology

32-bit processor

#### LED Indicators

Scan

LINKnet Tx/Rx

Radio RSSI (received signal strength indicator)

Device Status

Associate

#### LINKnet Address

Set via DIP switch

#### PAN ID

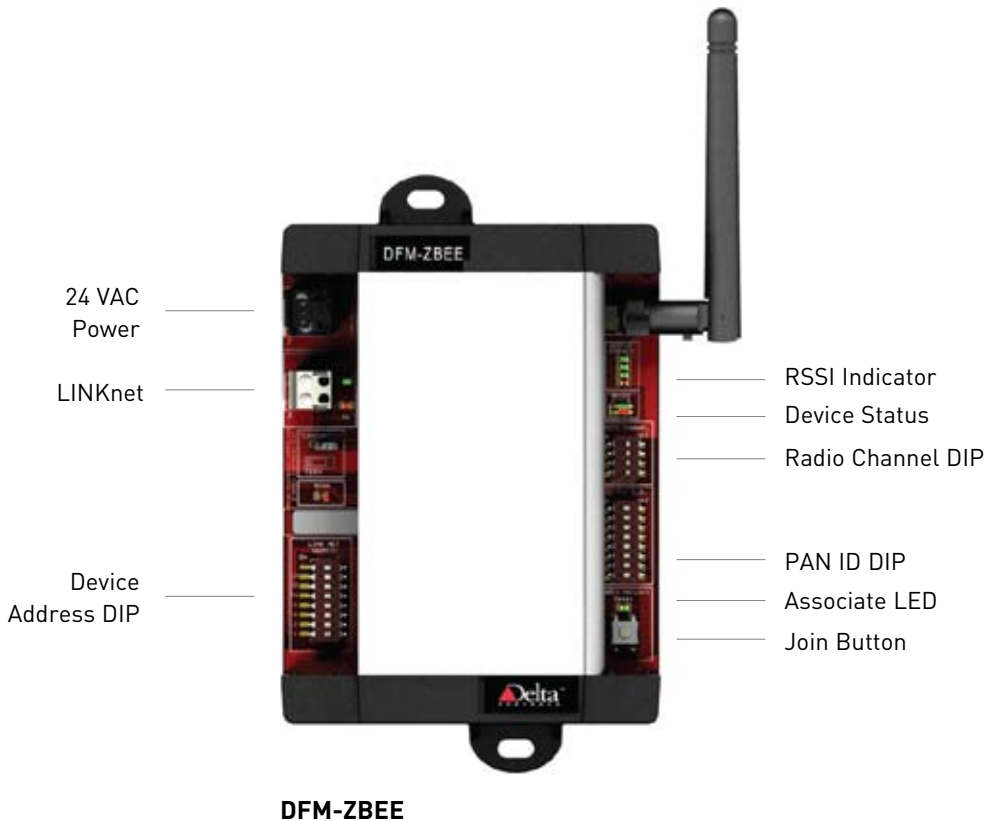
Set via DIP switch

#### Connectors

Removable screw-type terminal connectors

RP-SMA antenna

## DFM-ZBEE: Board Diagram



## Specifications (Continued)

**Wiring**  
Class 2

**Power**  
24 VAC

5 VA

**Ambient**  
32° to 131°F (0° to 55°C)

10 - 90% RH (non-condensing)

**Dimensions**  
16 x 10 x 4.8 cm (6.3 x 4.0 x 1.9")  
(excludes antenna)

0.38 lb. (171 g) with housing

**Compliance**  
CE(ETSI)

IC

FCC, Class B, Part 15

**Listings**  
UL916

## Ordering

Order the DFM-ZBEE according to the following product number:

<b>DFM-ZBEE</b>	Delta Controls Wireless Interface
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## Accessories

<b>ANT-2.4GHz Remote</b>	2.4GHz remote antenna with magnetic base and 5 ft cable. Allows antenna to be extended outside a metal enclosure
<b>eM-RPT</b>	Delta Wireless Repeater, extends the range of enteliMESH devices

Subject to change without notice.