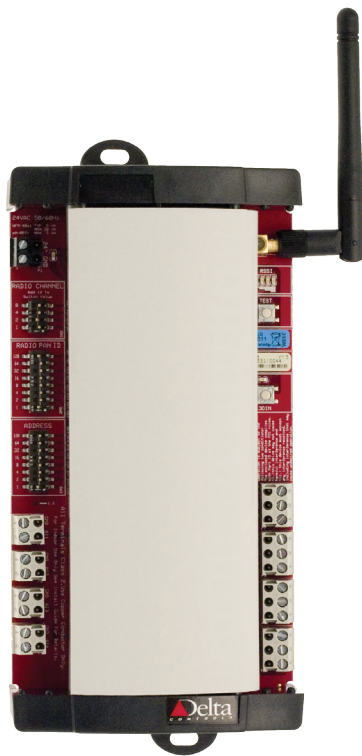




## Wireless Field Modules: WFM-404

### Description

The WFM-404 provides wireless remote I/O to a Delta Controls System through an enteliTOUCH. The WFM inputs and outputs appear in the enteliTOUCH as BACnet objects. The WFM is a powered device that also functions as a wireless repeater/router to extend the range of Delta wireless network sensors (WNS) and other WFMs.



### Features

- Self routing, self healing, mesh networking
- Communication distances up to 30 m (100 ft) indoors and 100 m (340 ft) outdoors
- Radio frequency channel is set via DIP switches
- PAN ID is set via DIP switches
- Device address is set via DIP switches
- Compact size, easy to mount
- Multiple antenna options (using SMA connector)

### Application

The WFM is useful for providing remote I/O for areas difficult to wire, or for retrofit applications. Common applications include unit heaters, exhaust fans, radiant heat, and other non-critical devices, for use in hotels, motels, and portable buildings.

### Specifications

#### Communications

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

#### Inputs

4 Universal inputs - 10 bit A/D (supporting 0-5v, 0-10v, 10kΩ, 4-20mA)

#### Outputs

4 Binary Relay Outputs, 0.5 Amp @ 24 VAC, jumper selectable for internal or external power

#### Technology

16-bit processor

#### LED Indicators

Scan

Radio RSSI (received signal strength indicator)

Associate

Output LED status indication

#### PAN ID

Set via DIP switches

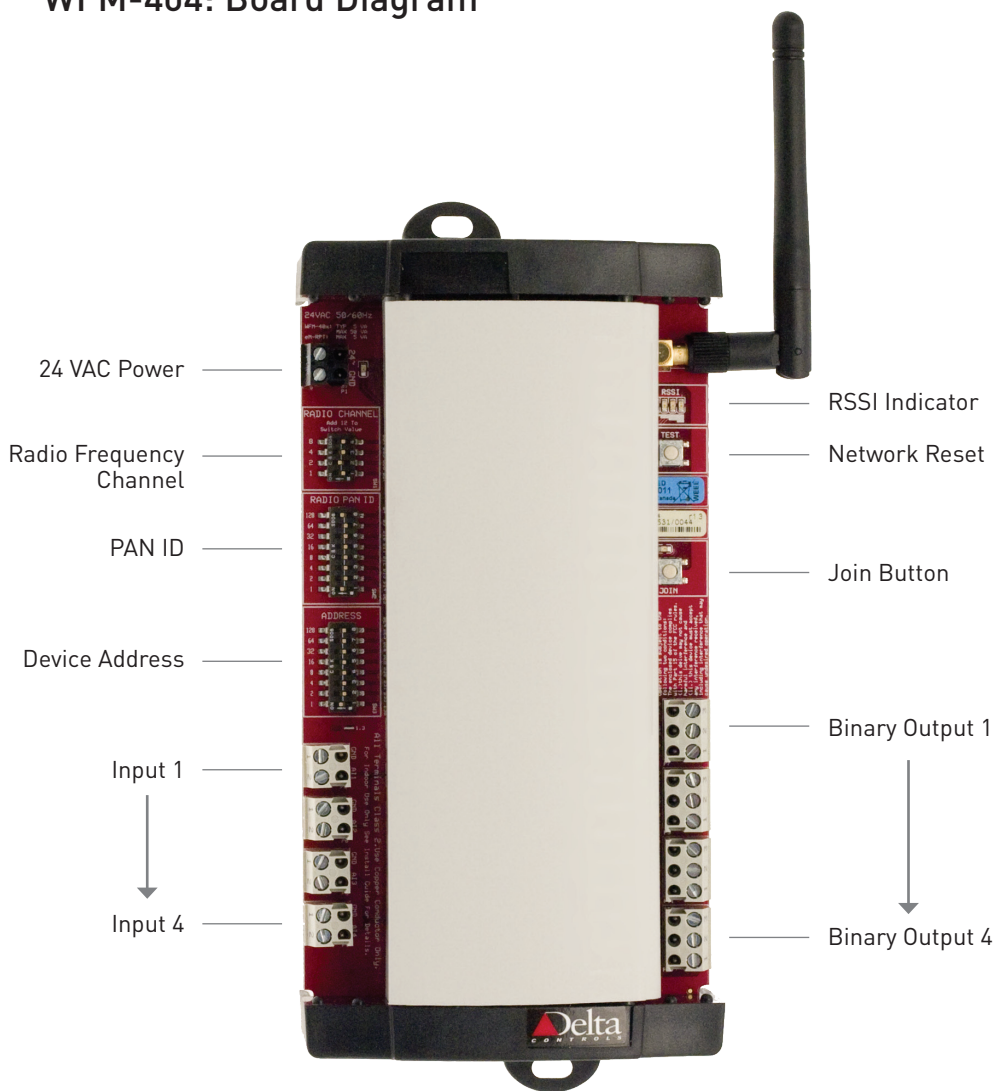
#### Connectors

Removable screw-type terminal connectors

RP-SMA antenna

## Wireless Products

### WFM-404: Board Diagram



### Specifications (Continued)

#### Wiring

Class 2

#### Power

24 VAC

5VA, 50VA maximum with fully loaded BO's

#### Ambient

32° to 131°F (0° to 55°C)

10 - 90% RH (non-condensing)

#### Dimensions

19.2 x 10 x 4.8cm (excludes antenna)  
(7-1/2" x 3-7/8" x 1-7/8")

0.75 lb. (340 g) with housing

#### Compliance (pending)

CE (ETSI)

IC (4214A-XBEE2)

FCC, Class B, Part 15 (OUR-XBEE2)

#### Listings

UL 916 Listed

### Ordering

Order the WFM according to the following product numbers:

<b>WFM-404</b>	4 Universal Inputs, 4 Binary Outputs
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### Accessories

<b>ANT-2.4GHz</b>	2.4 GHz remote antenna with magnetic base and 5 ft. cable. Allows antenna to be extended outside a metal enclosure.
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<b>eM-RPT</b>	Delta Wireless Repeater, extends the range of enteliMESH devices.
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Subject to change without notice.