



Rev. 10/08/13

# Wireless Asset Monitor (WAM) Receiver

# F27

## 418 MHz Wireless System

### Features & Options

- 100 Foot Open Reception Range
- Surface, Snaptrack or DIN Rail Mounting
- RJ45 and USB-B Communication Connections
- Local or Custom Web-based Sensor Monitoring
- Local Interface Via JSON Protocol or ASCII Hex

418 MHz WAM Receiver



The Wireless Asset Monitor (WAM) unit receives data from all BAPI wireless 418 MHz sensor/transmitters. The receiver delivers the data to the RJ45 Ethernet port for communication with a BAPI WAM Remote Website (see “Associated Products” below) or to a web address of your choice. The receiver also delivers the data simultaneously to the USB port for direct connection to the BAS via JavaScript Object Notation (JSON) protocol or ASCII Hex.

Multiple length antennas are available for ease of installation and optimal reception. The EZ mount system allows for DIN rail, snaptrack or surface mounting.

Two software programs and USB drivers are included on a CD. The first program identifies the IP address assigned to the WAM Receiver by the Dynamic Host Configuration Protocol (DHCP) network. The other program runs on the user’s computer to locally monitor the wireless sensor/transmitters or to interface with the user’s Building Automation System (BAS) equipment.

#### Ordering Information:

##### BA/RCV418-WAM-EA79-EZ

Wireless 418MHz WAM Receiver with 79” (2m) Dipole Antenna

##### BA/RCV418-WAM-EA180-EZ

Wireless 418MHz WAM Receiver with 180” (4.5m) Dipole Antenna

##### BA/RCV418-WAM-WHP-EZ

Wireless 418MHz WAM Receiver with 5” (.13m) Whip Antenna

*See end of Section F for list pricing.*

### Associated Products

#### The WAM Remote Website

The BAPI WAM Website lets the user monitor their wireless sensors from anywhere in the world via computer, smart phone or tablet. (See pg F28)



### Specifications

**Supply Voltage:** AC Receptacle Plug-in Power Supply (provided)  
 Power cord 5’ cord w/ 2.5mm DC power jack  
 Volts 120VAC converter 5VDC@6W

**Outputs:**  
 Ethernet RJ45 Jack (10base-T)  
 Serial USB-B Jack (USB 2.0)

**Termination:**  
 Ethernet RJ45 CAT5e straight 5’ cable (provided)  
 Serial USB-B/USB-A male, 3’ cable (provided)  
 Antenna RP-SMA Connector

**Display Indicator:** One Red LED for Power & Reception

**Antenna:** Dipole or Whip

**Enclosure Rating:** NEMA 1, (IP 20)

**Mounting:** 35mm DIN Rail, 2.75”x4” Snaptrack or Surface w/ Tabs

**Material:** ABS Plastic, UL94 V-2

**Color:** Warm White (WMW)

**Ambient:** 32° to 140°F (0°-60°C) • 5 to 95% RH, Non-Condensing

**Agency:** RoHS

**Software:** ..... Programs and Manual Downloads from bapivac.com

WAM Installation doc: ..... WAM Installation and Gateway Configurator (RJ45 IP Interface)

WAM Website doc: ..... Full WAM Website Instructions and User Guide

JSON Interface doc: ..... JavaScript Object Notation (JSON) Gateway interface documentation

General Hex doc: ..... A description of the payload for each transmitter and enumerator identification

TCP IP Discover: ..... IP Search Program Identifies Assigned DHCP Network Address

Receiver Test: ..... BAPI Wireless Receiver Test Program (accessed by USB port or RJ45 jack)

FTDI Drivers: ..... USB Communication Interface

