



Rev. 10/16/12

# 418 MHz to 900 MHz Repeater

# F19

## Wireless Temperature and/or Humidity

### Features & Options

- Extends Transmitter Range to 1,000 Feet

The BAPI Repeater receives the 418 MHz RF signal from one or more wireless temperature or humidity transmitters which have a range of 100 feet. The Repeater re-transmits the signal at 900 Mhz to a distance of 1,000 feet to a BAPI 900 MHz Receiver.

The 900 MHz Receiver then outputs the values to any Analog Output Module through a four-wire bus. The Analog Output Module converts the signal to an analog voltage, current or resistance for the controller. The 900 MHz Receiver can accommodate up to 127 different Analog Output Modules. The Repeater is surface, snaptrack or din rail mountable with an attached 900 MHz antenna and a 79" 418 MHz extendable antenna.

**PART #S:** BA/RPT49-EZ - 418 to 900 MHz Repeater

BA/RPT49-EA-EZ - 418 to 900 MHz Repeater with Extendable Antenna Replacement

Replacement Antennas pg. F25

See end of Section F for list pricing.



418 MHz to 900 MHz Repeater

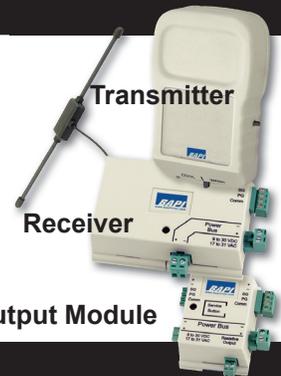
### Associated Products

- **Wireless Temperature or Temp/Humidity Transmitter:**

Measures the room temperature and/or humidity and transmits the data through 418MHz RF to a receiver.

- **900 MHz Receiver:** Receives the re-transmitted signal signal from the Repeater and outputs the values to up to an Analog Output Modules.

- **Analog Output Modules:** Converts the signal from the Receiver into a Resistance, Voltage or Current for sending to the controller.



Transmitter

Receiver

Output Module

### Specifications

**Supply Power:** 9 to 15 VDC

**Power Consumption:** 150 mA max. DC

**Inputs:** 418MHz

**Output:** 900MHz at 100mW

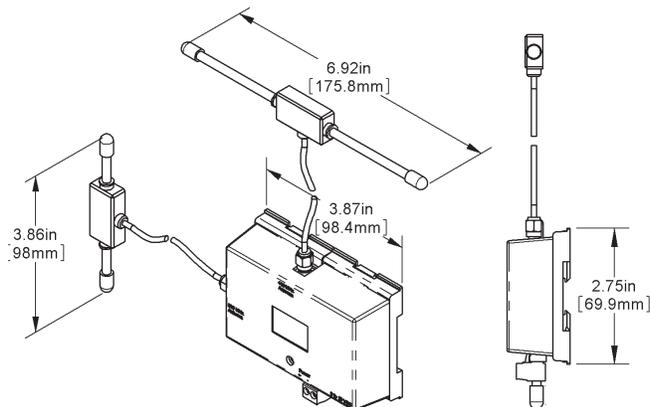
**Environmental Operation Range:**

Temp: 32°F to 140°F (0°C to 60°C)

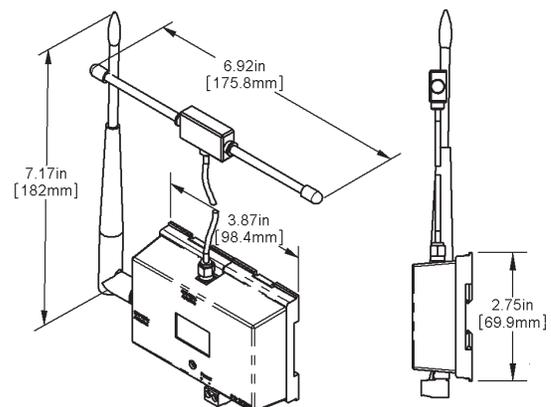
Humidity: 5% to 95% RH non-condensing

**Material:** ABS Plastic

**Material Rating:** UL94, V-0



Repeater with Extendable Antenna



Repeater with Attached Antenna



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