



Outside Air Temp./Humidity Transmitter

H9**Wireless Sensors**

Rev. 03/29/07

Features & Options

- 8 Year Battery Life (with two 3.6 volt lithium batteries, full AA size)
- 100 feet range, extendable to 1,000 feet with Repeater
- Temperature and Humidity signals can be converted to Voltage, Current or Resistive Outputs for the Controller
- Watertight BAPI-Box Enclosure
- Quick Response Sensor
- 2% RH Accuracy
- 2 Year Warranty



Wireless Outside Air Temperature and Humidity Transmitter

BAPI Wireless Outside Air Temperature and Humidity Transmitters Outside Air Units are designed to be mounted outdoors. The 5¼" UV-resistant plastic shield keeps the sensor out of the sunlight and allows for excellent air circulation. The Outside Air Units come with a watertight BAPI-Box enclosure which is made of UV-resistant polycarbonate and carries an IP66 rating. BAPI also offers liquid-tight fittings for the BAPI-Box.

The Wireless Outside Air Temperature and Humidity Transmitter measures the temperature and humidity and transmits the data through 418MHz RF to a receiver. It has a minimum in-building range of 100 feet and an estimated battery life of 8 years using two high-capacity 3.6V lithium batteries with a transmit rate of about once every 10 seconds. Each transmitter has a unique address with built in error detection. Each variable sent by the transmitter is picked up by the receiver and converted by a BAPI Analog Output Module to a voltage, current or resistance signal which is sent to the controller. The unit can be set up to trigger an alarm on the controller when the batteries need replacing.

PART NUMBER: BA/WTH-O-BB - Wireless Outside Air Temperature and Humidity Transmitter

PART NUMBER: BA/LI3620 - Lithium Battery 3.6V

Specifications

Supply Power: Two 3.6V Lithium batteries, 8 year battery life at 10 second transmit rate

Sensing Elements:

Temp. - Semiconductor Band Gap,
Proportional to Absolute Temperature, $\pm 0.3^{\circ}\text{C}$
Humidity - Capacitive Polymer, $\pm 1.8\%$ RH Accuracy

Transmitted Range: -40° to 85°C

Enclosure Rating: IP66

Enclosure Material:

UV-Resistant Polycarbonate

Material Rating: UL94 V-0

Environmental Operation Range:

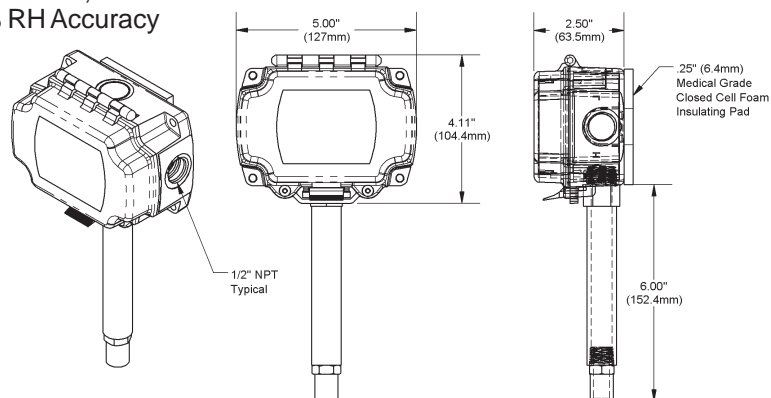
Temp: -30°C to 70°C
Humidity: 0 to 100% RH

Radio Frequency: 418 MHz

Transmitter Interval: ~10 seconds

Antenna: Built inside the enclosure

FCC Approval: FCC ID# T4F16963N16964



Wireless Outside Air Temperature and Humidity unit in a BAPI-Box (BB) Enclosure