Temperature Transmitter
418 MHz Wireless System

**Features & Options**

- 8 Year Battery Life (with two 3.6 volt lithium batteries, full AA size)
- Optional Setpoint and Occupant Override
- 100 Foot In-Building Range, Extendable to 1,000 Feet with Repeater*
- Transmitted signals can be converted to Voltage, Current or Resistive Outputs for the Controller

The BAPI Wireless Transmitter measures the room temperature and transmits the data through 418MHz RF to a receiver. The transmitter is mounted in a BAPI-Stat 2 style enclosure and has an in-building range of 100 feet*. It is available with optional Setpoint and Override.

The unit has an estimated battery life of 8 years using two high-capacity 3.6V lithium batteries with a transmit rate of about once every 20 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.

**PART NUMBER:** BA/BS2-WT - Wireless Temperature Transmitter
**PART NUMBER:** BA/BS2-WT-O - Wireless Temperature Transmitter with Occupant Override
**PART NUMBER:** BA/BS2-WT-S - Wireless Temperature Transmitter with Setpoint Adjustment
**PART NUMBER:** BA/BS2-WT-SO - Wireless Temperature Transmitter with Setpoint & Override
**PART NUMBER:** BA/LI3620 - Lithium Battery 3.6V

*Actual in-building transmission distances will vary depending upon building construction and other factors.

**Associated Products**

- **418 MHz Receiver**
  Receives the RF signal from one or more transmitters or repeaters and outputs the values to up to 127 Analog Output Modules.

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

- **Repeater**
  Extends the range of the Transmitter up to 1,000 feet.

**Specifications**

**Supply Power:** Two 3.6V Lithium batteries, 8 year battery life at 20 second transmit rate

**Inputs:** Built in thermistor

**Accuracy:** ±0.36°F (±0.2°C)

**Transmitted Range:** -40 to 185°F (-40 to 85°C)

**Environmental Operation Range:**
- Temp: 32 to 140°F (0 to 60°C)
- Humidity: 5% to 95% RH non-condensing

**Material:** ABS Plastic

**Material Rating:** UL94 V-0

**Radio Frequency:** 418 MHz

**Transmitter Interval:** ~20 seconds

**Antenna:** Built inside the enclosure

**FCC Approval:** FCC ID# T4F061213RSO

See end of Section F for list pricing.