

Rev. 08/25/10








Wireless Overview

- 8 Year Battery Life
- Temperature Only or Temperature/Humidity Combination
- 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 Temperature or Temperature/Humidity Combination system incorporates a 418 MHz transmitter along with a Receiver and one or more Analog Output Modules to send zone temperature, humidity or other system variables to the DDC controller.

The wireless transmitter has an in-building range of 100 feet*, extendable to the 1,000 feet with a Repeater. The transmitter uses two high-capacity 3.6 volt lithium batteries and has an estimated battery life of 8 years with a transmit rate of approximately once every 10 seconds.



<h3>Room Transmitters - pages 2-3</h3> <ul style="list-style-type: none"> ● Temperature Only Transmitter ● Temp./Humidity Combination Transmitter ● Setpoint and Override Optional ● 100 Foot In-Building Range, Extendable to 1,000 feet with Repeater*  <p>Room Transmitter</p>		<h3>Probe Transmitters - pgs 4-9</h3> <ul style="list-style-type: none"> ● Temp. Only or Temp/Humidity Combination ● 100 Foot In-Building Range, Extendable to 1,000 feet with Repeater* ● Duct, Immersion, Remote Probe or Outside Air Sensors  <p>Duct Transmitter</p>	
<h3>Thermobuffer - pg 10-11</h3> <p>Special Sensor for Walk-in Coolers and Freezers</p>  <p>Thermobuffer Sensor</p>	<h3>Universal Transmitter- p 12</h3>  <p>Monitor an analog or digital signal and transmit that value to the receiver.</p>	<h3>Receivers & Repeaters - p. 13-15</h3>  <ul style="list-style-type: none"> ● 418 MHz Receiver ● 900 MHz Receiver ● 418 to 900 MHz Repeater 	
<h3>Analog Output Modules - pgs 16-20</h3> <ul style="list-style-type: none"> ● Resistance Output Module (ROM) ● Voltage Output Module (VOM) ● Current Output Module (COM) ● Setpoint Output Module (SOM) ● Relay Output Momentary (RYOM) ● Relay Output Latching (RYOL) <p>Converts the data from the Receiver into a Resistance, Voltage or Current.</p>  <p>Analog Output Module</p>		<h3>Field Verifiers & Kits - pg 21</h3> <ul style="list-style-type: none"> ● Validates RF operation with a simple site visit ● Identifies radio positions before installation ● Battery operated for easy survey mobility ● Loaner verifiers available  <p>418 MHz Field Verifier</p>	

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