



## Features & Options

- Modbus Serial Communications Protocol
- BAPI-Stat 4 Style Enclosure with Optional Large Display
- Robust Tactile Pushbuttons on Display Units
- Setpoint Adjustment on Display Unit with Optional Humidity Measurement, Fan Speed Control and Occupant Override
- Two Year Warranty

The BAPI-Stat 4MB unit features an optional large LCD with all the visual indicators on the display itself. Display units provide local indication of temperature with temperature setpoint adjustment and optional occupant override.

The unit is also available with humidity measurement and fan speed/mode adjustment for applications with fan coils, heat pumps or unit ventilators.



**BAPI-Stat 4MB Unit with and without Display, Setpoint and Override**

## Specifications

### Power:

9 to 40 VDC (24 VDC nominal)

24 VAC +20%/-30%.

Note: AC power requires a separate pair of shielded wires.

### Power Consumption:

7 mA max DC; .28 VA maximum AC

### Sensing Element:

Thermistor or Semiconductor

### Sensor Accuracy:

Temp:  $\pm 0.2^{\circ}\text{C}$  from 32 to 122°F (0 to 50°C)

%RH:  $\pm 2.0\%$  RH (0 to 80%)

**Wiring:** 2 pair of 14 to 22AWG\*

### Mounting:

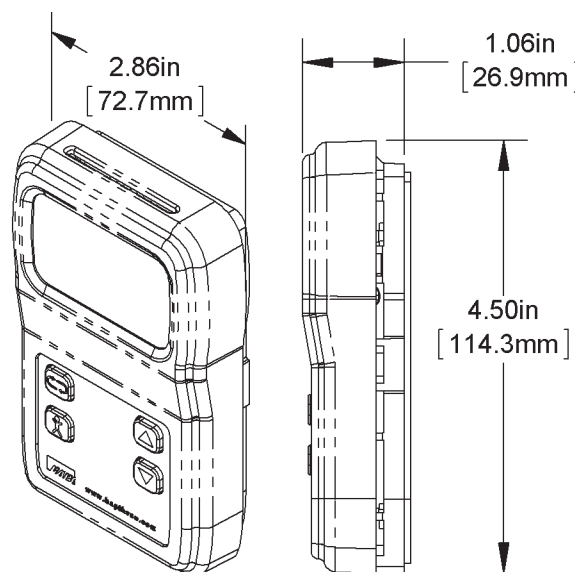
Standard 2" by 4" J-box  
or drywall mount (screws provided)

### Environmental Operation Range:

Temperature: 32 to 122 °F (0 to 50 °C)

Humidity: 0 to 95%, non-condensing

**Agency:** RoHS and CE



### VC350A "EZ" - Voltage Converter

BAPI recommends using DC power on room units for a more stable reading. Our 350mA "EZ" unit is a perfect way to convert 24 VAC to 5, 12, 15 or 24 VDC. The revolutionary "EZ" mounting system allows for snaptrack, DIN rail or surface mounting. See the Accessories section for more info.



\*BAPI recommends that you do not run wiring for the Room Units in the same conduit as line voltage wiring or with wiring used to supply highly inductive loads such as motors, generators and coils. Also, these units are not designed for line voltage applications.



Rev. 02/04/15

# BAPI-Stat 4 Modbus Room Sensor

## Humidity or Combination Temp/Humidity Sensors

**B17**

Ordering Information		BAPI-Stat 4MB Room Unit - Temperature and/or Humidity Sensor			
<b>BA/BS4MB</b>	BAPI-Stat 4 Style Enclosure with Multi-Mode Pushbuttons				
	<b>Display Mode</b> <i>Must select one</i>				
	<b>F</b>	Temperatures Displayed in °F			
	<b>C</b>	Temperatures Displayed in °C			
	<b>X</b>	No Display			
	<b>Setpoint Configuration</b> <i>Must select one for display units, not available for non-display units</i>				
	<b>-#</b>	<b>SETPOINT DISPLAY OPTIONS</b>			
		<u>Desired Range</u>	<u>Designator</u>	<u>Desired Range</u>	<u>Designator</u>
		50 to 90 °F or 10 to 32 °C	<b>C</b>	65 to 80 °F or 18 to 27 °C	<b>F</b>
		55 to 85 °F or 13 to 30 °C	<b>D</b>	70 to 74 °F or 21 to 23 °C	<b>L</b>
		60 to 80 °F or 15 to 27 °C	<b>E</b>	45 to 96 °F or 7 to 36 °C	<b>G</b>
	<i>See App. Notes pg 13 for Additional Setpoint Display Ranges</i>				
	<b>Humidity Measurement</b> <i>Must select one</i>				
	<b>-HN</b>	No Humidity Measurement			
	<b>-H2</b>	Humidity Measurement			
	<b>Pushbutton Fan Speed/Mode Options</b> <i>Must select one</i>				
<b>-FN</b>	No Fan Speed Adjustment				
<b>-F0</b>	Fan Speed Mode 0 (available for display units only)				
<b>-F1</b>	Fan Speed Mode 1 (available for display units only)				
<b>Override Configuration</b> <i>Must select one</i>					
<b>-J</b>	Override Enabled (available for display units only)				
<b>-Z</b>	No Override				
<b>EXAMPLE</b>					
<b>BA/BS4MB</b>	<b>F</b>	<b>-E</b>	<b>-HN</b>	<b>-FN</b>	<b>-J</b>
Example Part Number: BA/BS4MBF-E-HN-FN-J					
<b>Your Part Number:</b>					

