

# BAPI-Stat 3™ Room Unit

Temperature or Temperature/Humidity Sensor

Rev. 05/12/15



## Features & Options

- Designed for Operating Rooms and Clean Rooms
- Temperature and Humidity Setpoint Adjustment
- Large Easy-to-Read Display
- Membrane Keypad for Wipedown Cleaning
- 2% RH Accuracy
- Two Year Warranty

The BAPI-Stat 3 is designed for operating rooms, clean rooms and elder care facilities. It features a large display and membrane keypad for wipedown cleaning. It is available with temperature and humidity measurement, temperature and humidity setpoint and occupant override.

The units include a number of field adjustments including °F or °C display, temperature and humidity offset and setpoint lockout. The display can also be set to show a large temperature and small %RH reading, a large %RH and a small temperature reading, or to alternate between the two.



**BAPI-Stat 3 Unit**  
(shown with optional humidity setpoint)

## Membrane Keypad for Wipedown Cleaning Perfect for Operating Rooms and Clean Rooms

### Specifications

#### Power:

15 to 35 VDC or 15 VAC to 28 VAC

Note: 15 to 24 VDC recommended for VDC unit. VAC requires a separate pair of shielded wires.

#### Power Consumption:

10 mA maximum for VDC Power

0.2 VA maximum VAC Power

#### Temperature/%RH Sensor Construction:

Communicating Integrated Circuit

#### Temperature/%RH Sensor Accuracy:

Semiconductor Band Gap Temperature Sensor:  
±0.3°C @ 25°C

Capacitive Polymer Humidity Sensor:  
±2% RH (10% to 90%) @ 25°C, Fully Compensated

#### Optional Direct Temp. Sensor:

1K Ohm Platinum RTD

#### Mounting:

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

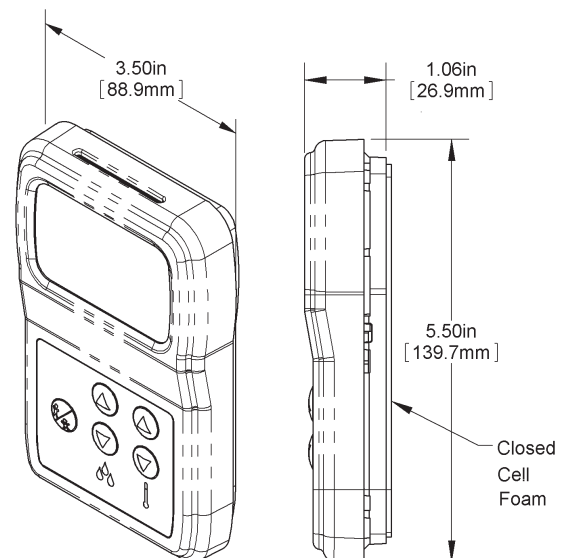
#### Environmental Specifications:

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

Humidity: 0 to 95%, non-condensing

#### Wiring: 2 to 5 pair of 16 to 22 AWG\*

#### Material & Rating: ABS Plastic - UL 94, V-0



\*BAPI recommends that you do not run wiring for 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.



# BAPI-Stat 3™ Room Unit

Temperature or Temperature/Humidity Sensor



## Ordering Information - JCI Ordering Grid for the BAPI-Stat 3 Room Temperature or Temperature and Humidity Sensor

<b>JCB3</b>	BAPI-Stat 3 Room Sensor w/ LCD Display (BAPI #: BS/BS3)										
	<b>Temperature Display Mode</b>										
	<b>F</b>	Temperature Displayed in deg F (BAPI #: F)									
		<b>Humidity Sensor Accuracy</b>									
		<b>2</b>	Accuracy in % for the Relative Humidity Output, ±2% RH (BAPI #: 2)								
			<b>Channel #1 - Skip if not required</b>								
			<b>1</b>	Temperature Output, 4 to 20mA, 50 to 90°F (BAPI #: -0C)							
			<b>2</b>	Temperature Output 0 to 10V, 50 to 90°F (BAPI #: -6C)							
			<b>3</b>	Setpoint Output, %RH 0 to 10V, 0 to 100% (BAPI #: -8M)							
				<b>Channel #2 - Skip if not required</b>							
			<b>4</b>	%RH Output 4 to 20mA, 0 to 100% (BAPI #: -10M)							
			<b>5</b>	%RH Output, 0 to 10V, 0 to 100% (BAPI #: -16M)							
				<b>Channel #3 - Skip if not required</b>							
			<b>6</b>	Setpoint Output, Temperature, Voltage 0 to 10V, 50 to 90°F, Common Ground (BAPI #: -25C10CG)							
				<b>Channel #4 - Skip if not required</b>							
			<b>7</b>	Setpoint Output, %RH Voltage 0 to 10V, 0 to 100%, Common Ground (BAPI #: -47M10CG)							
				<b>Override, Dry Contact - Skip if not required</b>							
			<b>8</b>	Dry Contact Override in Parallel with Channel 5 (BAPI #: -61CG)							
				<b>Channel 5 - Skip if not required</b>							
			<b>10</b>	1K Platinum RTD, 1,000 Ω at 0°C, 3.85 Ω/°C temp. coeff. (BAPI #: -1)							
			<b>11</b>	1K Ω Nickel @ 21°C, 1,000 Ω at 21°C, 5 Ω/°C temp. coeff. (BAPI #: -1NI)							
			<b>13</b>	1K Platinum RTD, 1,000 Ω at 0°C, 3.75 Ω/°C temp. coeff. (BAPI #: -1375)							
Example											
<b>JCBS3</b>	<b>F</b>	<b>2</b>	<b>2</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>				
Example Part Number: JCB3F225678 (BAPI Equivalent #: BA/BS3F2-6C-16M-25C10CG-47M10CG-61CG-OFW*)											
<b>Your Part Number:</b>											

\*Note: Must add -OFW to the end of the BAPI Equivalent Part number.

## JCI AND BAPI EXAMPLE PART NUMBERS

<u>JCI Part Number</u>	<u>BAPI Equivalent Part Number</u>
JCB3F225678 .....	BA/BS3F2-6C-16M-25C10CG-47M10CG-61CG-OFW
JCB3F22567 .....	BA/BS3F2-6C-16M-25C10CG-47M10CG-OFW
JCB3F235611 .....	BA/BS3F2-8M-16M-25C10CG-1NI-OFW
JCB3F235610 .....	BA/BS3F2-8M-16M-25C10CG-1-OFW
JCB3F2256 .....	BA/BS3F2-6C-16M-25C10CG-OFW