



Features & Options

- New BAPI-Stat "Quantum Prime" Enclosure Style with Higher Contrast Display for Improved Clarity at Greater Distances
- Membrane Keypad for Wipedown Cleaning
- Temperature and Humidity Setpoint Adjustment

The BAPI-Stat "Quantum Prime" 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 unit includes 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 or a large %RH and a small temperature reading when 4 buttons are present. This unit can be configured with up to four transmitted variables. Contact your BAPI representative for details.



**BAPI-Stat
"Quantum Prime"
Temp & Humidity
Sensor**

**5
YEAR
WARRANTY**

Ordering Information

The BAPI-Stat "Quantum Prime" Wipedown Sensor is a powerful unit with many options. Please call your BAPI representative for ordering. We will provide a quote and keep it on record for future orders.

Specifications

Power Supply:

10 to 40 VDC (15 to 24 VDC Recommended) for 4 to 20 mA or 0 to 5 VDC Outputs
 15 to 40 VDC (15 to 24 VDC Recommended) for 0 to 10 VDC Outputs
 12 to 28 VAC (Requires a separate pair of shielded wires) for 0 to 5 VDC Outputs

Power Consumption:

60 mA max DC: 4 to 20 mA Output (<30mA typical)
 36 mA max DC: 0 to 5 or 0 to 10 VDC Outputs (6mA typical)
 0.9 VA max AC: 0 to 5 or 0 to 10 VDC Outputs (0.2VA typical)

Outputs: 4 active outputs plus 1 passive temp sensor
 Volts.....0 to 5 VDC or 0 to 10VDC, Impedance >10KΩ
 Current.....4 to 20 mA, Impedance <500Ω @ 24 VDC
 Resistance.....Setpoint, 5 VDC @ 5 mA max
 Relay Contact....N.O., 500 mA @ 24 VDC max
 Temp. SensorPassive RTD or Thermistor

Inputs:

External Override..5 VDC or 24 VDC/VAC
 External Sensor.... 10K-2 Thermistor purchased separately.

Sensing Elements for Active Outputs and Display:

Temperature 10K-2 Thermistor
 Humidity.....Capacitive Polymer, ±2%RH

Mounting: 2"x4" J-box or drywall mount - screws provided

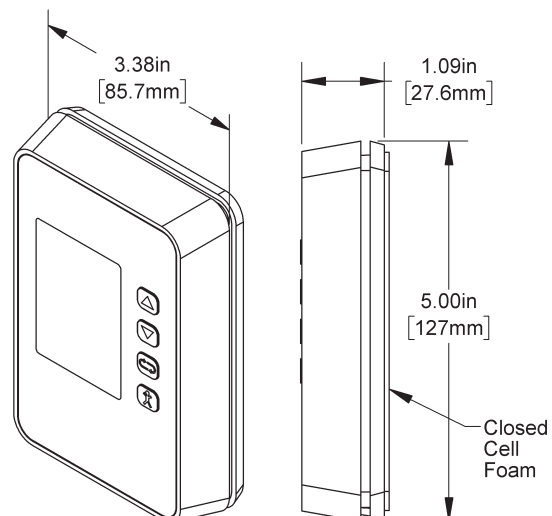
Environmental Ambient:

Temperature 32 to 122°F (0 to 50°C)
 Humidity..... 0 to 95%, non-condensing
 Storage..... 32 to 185°F (0 to 85°C)

Wiring: 2 to 6 pair of 16 to 22 AWG

Enclosure Material: ABS Plastic, UL 94, V-0

Agency: RoHS



*AC power requires a separate pair of shielded wires.

**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 "Quantum Prime" Temp or Temp/Humidity Ordering Grid

Temp or Temp/Humidity Sensors

Rev. 06/20/18

Ordering Information		BAPI-Stat "Quantum Prime" - Temperature, Humidity or Combination	List Price	Your Order													
BA/HQP		BAPI-Stat "Quantum Prime" Room Sensor (Required Selection)	\$200	\$ _____													
Temperature Display Mode (Required Selection)																	
F	Temperatures Displayed in °F																
C	Temperatures Displayed in °C																
Humidity Sensor Accuracy (Optional Selection - skip if ordering a temperature only unit)																	
2	Accuracy in % for the Relative Humidity Output (i.e. ±2% RH)		\$80	\$ _____													
Output #1* (OUT1) - Use inset charts to select range values for T & H. (Required Selection)																	
-0	T	Temperature Output, 4 to 20 mA	\$50 for Output #1	\$ _____													
-1	T	Temperature Output, 0 to 5 V															
-2	T	Setpoint Output, Temperature 4 to 20 mA															
-3	T	Setpoint Output, Temperature 0 to 5 V															
-4	H	Setpoint Output, %RH 4 to 20 mA															
-5	H	Setpoint Output, %RH 0 to 5V															
-6	T	Temperature Output 0 to 10V															
-7	T	Setpoint Output, Temperature 0 to 10V															
-8	H	Setpoint Output, %RH 0 to 10V															
-X	No Output #1 (OUT1)																
Output #2* (OUT2) - Use inset charts to select range values for T & H. (Required Selection)																	
-10	H	%RH Output, 4 to 20 mA	\$50 for Output #2	\$ _____													
-11	H	%RH Output, 0 to 5 V															
-12	T	Setpoint Output, Temperature 4 to 20 mA															
-13	T	Setpoint Output, Temperature 0 to 5 V															
-14	H	Setpoint Output, %RH 4 to 20 mA															
-15	H	Setpoint Output, %RH 0 to 5 V															
-16	H	%RH Output, 0 to 10 V															
-17	T	Setpoint Output, Temperature 0 to 10 V															
-18	H	Setpoint Output, %RH 0 to 10 V															
-X	No Output #2 (OUT2)																
Output #3 (OUT3) - Use inset charts to select values for T, H, R & G. (Optional Selection)																	
-20	T	R	G	Setpoint Output, Temperature, Resistive w/ Override (DF is wired to OUT3 & OUT4)	\$50 for Output #3	\$ _____											
-21	T	R	G	Setpoint Output, Temperature, Voltage w/ Override (Common Ground Required)													
-22	H	R	G	Setpoint Output, %RH Resistive w/ Override (DF is wired to OUT3 & OUT4)													
-23	H	R	G	Setpoint Output, %RH Voltage w/ Override (Common Ground Required)													
-24	T	R	G	Setpoint Output, Temperature, Resistive w/o Override (DF is wired to OUT3 & OUT4)													
-25	T	R	G	Setpoint Output, Temperature, Voltage w/o Override (Common Ground Required)													
-26	H	R	G	Setpoint Output, %RH Resistive w/o Override (DF is wired to OUT3 & OUT4)													
-27	H	R	G	Setpoint Output, %RH Voltage w/o Override (Common Ground Required)													
-X	No Output #3 (OUT3) or Output #4 (OUT4)																
Output #4 (OUT4) - Use inset charts to select values for T, H, R & G. (Optional, Only available with Output #3 selected)																	
-40	T	R	G	Setpoint Output, Temperature, Resistive w/ Override (DF is wired to OUT3 & OUT4)	\$50 for Output #4	\$ _____											
-41	T	R	G	Setpoint Output, Temperature, Voltage w/ Override (Common Ground Required)													
-42	H	R	G	Setpoint Output, %RH Resistive w/ Override (DF is wired to OUT3 & OUT4)													
-43	H	R	G	Setpoint Output, %RH Voltage w/ Override (Common Ground Required)													
-44	T	R	G	Setpoint Output, Temperature, Resistive w/o Override (DF is wired to OUT3 & OUT4)													
-45	T	R	G	Setpoint Output, Temperature, Voltage w/o Override (Common Ground Required)													
-46	H	R	G	Setpoint Output, %RH Resistive w/o Override (DF is wired to OUT3 & OUT4)													
-47	H	R	G	Setpoint Output, %RH Voltage w/o Override (Common Ground Required)													
Override - Dry Contact Use inset chart to select value for G (Optional Selection)																	
-60	G	Dry Contact Override in parallel w/ OUT4 (Only available as Common Ground) (Not available if OUT4 is configured as a voltage output)															
-61	G	Dry Contact Override in parallel with "TEMP+" and "TEMP-" Terminals															
Resistive Temp Sensor (Required Selection) (Resistive output across the "TEMP+/TEMP-" Terminals)																	
-A	1K Platinum RTD, 1,000 Ω @ 0 °C, 3.85 Ω/°C temp. coeff.		\$25	\$ _____													
-B	10K-2 Thermistor, 10,000 Ω @ 25 °C		\$18	\$ _____													
-C	10K-3 Thermistor, 10,000 Ω @ 25 °C		\$18	\$ _____													
-D	10K-3(11K) Therm., 5,238 Ω @ 25 °C, 11kΩ shunt resistor		\$18	\$ _____													
-E	20K Thermistor, 20,000 Ω @ 25 °C		\$18	\$ _____													
-F	1.8K Thermistor, 1,800 Ω @ 25 °C		\$18	\$ _____													
-G	1K Ω Nickel @ 21°C, 5 Ω/°C temp. coeff.		\$35	\$ _____													
-H	3K Thermistor, 3,000 Ω @ 25 °C		\$18	\$ _____													
-X	No Resistive Temp Sensor																
-ES	External Sensor connection. 10K-2 Thermistor purchased separately***																
Additional Options (List in alphabetical order if multiple selected)																	
-A	Differential Ground for Resistive Temperature Sensor																
-B	Comm Jack C35: 3.5 mm Phono Jack w/ Leads Attached		\$10	\$ _____													
-C	Comm Jack C11: RJ11 (4 pin) Style Jack with Leads		\$20	\$ _____													
-D	Comm Jack C22: RJ22 (4 pin) Style Jack with Leads Attached		\$25	\$ _____													
-F	Test & Balance Switch, 3 Position**		\$7.50	\$ _____													
EXAMPLE																	
BA/HQP	F	2	0	C	-10	M	-24	C	80	CG	-61	CG	-B				
Example Part Number: BA/HQP2-0C-10M-24C80CG-61CG-B														Total =	\$ _____		
Your Part Number:																	

All ranges and options may not be shown here, call BAPI for additional options or with questions about this ordering grid

* Output 1 or 2 are Common Ground

** Test & Balance is only available with Direct Sensor Type Output

***Must use a 10K-2 Thermistor for the External Sensor option. Thermistor is purchased separately. (25' max distance) This option is only available on units without humidity.

****Resistance Output Range spans of less than 10K are only available on OUT4. Do not configure on OUT3.



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