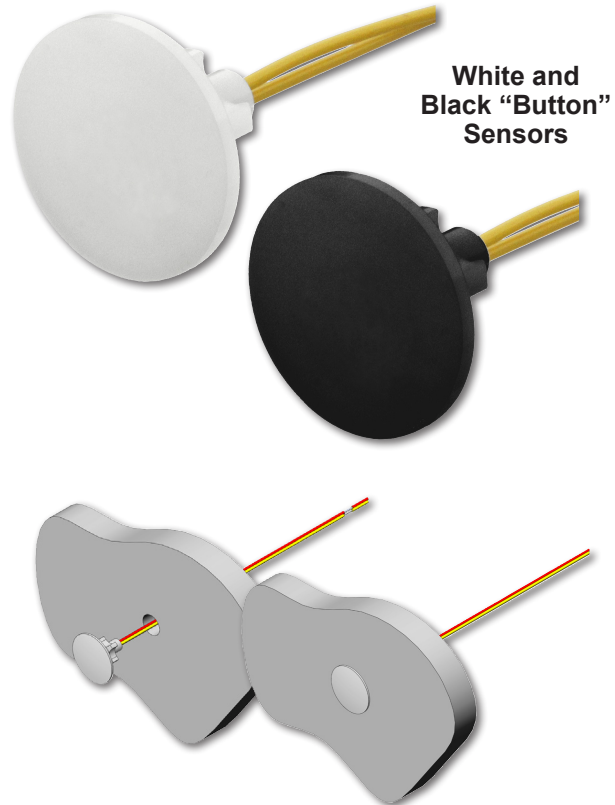


Features & Options

- Small Flush Sensor Mounting
- Accurate Direct Air Measurement
- Paintable with Latex or Oil Base
- Wide Selection of Sensing Elements
- Limited Lifetime Warranty

The Low Profile "Button" Sensor is ideal for locations where aesthetics are as important as the temperature measurement. The inconspicuous wall sensor mounts easily by pushing through a 1/2" hole and secured with a peel-off insulating adhesive ring. The only visible portion is a flush 7/8" dot on the wall.

The Low Profile "Button" Sensor is available in white or black with multiple thermistor or RTD sensors as shown in the ordering grid. Other sensor types are available on request.



White and Black "Button" Sensors

Specifications

Thermistor

Temp. Output Resistance
 Accuracy (Std) $\pm 0.36^{\circ}\text{F}$, ($\pm 0.2^{\circ}\text{C}$)
 Stability $< 0.036^{\circ}\text{F}/\text{Year}$, ($< 0.02^{\circ}\text{C}/\text{Year}$)
 Heat dissipation 2.7 mW/ $^{\circ}\text{C}$
 Temp. Drift $< 0.02^{\circ}\text{C}$ per year
 Probe range -40° to 221°F (-40° to 105°C)

RTD

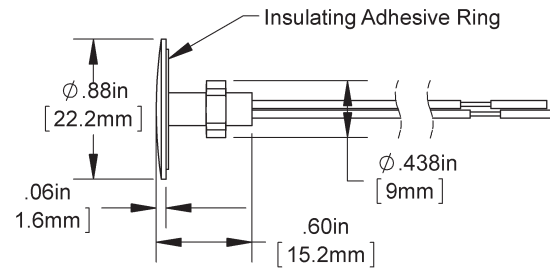
Platinum (PT)..... 100 Ω or 1K Ω @0 $^{\circ}\text{C}$, 385 curve
 Platinum (PT)..... 1K Ω @0 $^{\circ}\text{C}$, 375 curve
 PT Accuracy (Std).. 0.12% @Ref, or $\pm 0.55^{\circ}\text{F}$, ($\pm 0.3^{\circ}\text{C}$)

PT Stability $\pm 0.25^{\circ}\text{F}$, ($\pm 0.14^{\circ}\text{C}$)
 PT Self Heating 0.4 $^{\circ}\text{C}/\text{mW}$ @0 $^{\circ}\text{C}$
 PT Probe range -40° to 221°F , (-40 to 105°C)
 Nickel (Ni) 1K Ω @70 $^{\circ}\text{F}$, JCI curve
 Ni Probe range -40° to 221°F (-40 to 105°C)

Sensitivity

Thermistor Non-linear
 Go to bapihvac.com "Sensor Specs"
 RTD (PT) 3.85 $\Omega/^{\circ}\text{C}$ for 1K Ω RTD
 3.75 $\Omega/^{\circ}\text{C}$ for 1K Ω RTD
 Nickel (Ni) 2.95 $\Omega/^{\circ}\text{F}$ for the JCI RTD

Wiring: One pair of 22 AWG wires



Wire Insulation:

Etched Teflon or Plenum-Rated

Mounting: 1/2" hole, push in plastic sheath with peel-off insulating adhesive ring.

Enclosure Material and Ratings:

Plastic, NEMA 1, UL94

Environmental Operating Range

Unit with Etched Teflon Wire:
 -40 to 185°F (-40 to 85°C)

Unit with Plenum-Rated Wire:
 -4 to 167°F (-20 to 75°C)

0 to 100% RH, Non-condensing

Agency: RoHS, CE



Use the Configurator below to create your custom part number. Replace the number and parenthesis with the designator for each selection. Skip the designator and dashes for optional selections that are not required in your configuration.



Button Sensor Option Selection Guide:

BA/ (#1) - (#2) - (#3)

#1: Temperature Sensor (required)

- 1K[375] 1K Platinum RTD (375 curve)
- 1K[NI] 1K Ω Nickel RTD
- 1K 1K Platinum RTD (385 curve)
- 1.8K 1.8K Thermistor
- 3K 3K Thermistor
- 10K-2 10K-2 Thermistor
- 10K-3 10K-3 Thermistor
- 20K 20K Thermistor

#2: Button Sensor Color (required)

- LPW Button Sensor, White
- LPB Button Sensor, Black

#3: Lead Length (optional, 6" Etched Teflon Leads are Standard)

- 5 5 Feet of Plenum-Rated Cable
- 10 10 Feet of Plenum-Rated Cable
- 15 15 Feet of Plenum-Rated Cable

Additional options are available for these units but not shown in this Selection Guide. Contact your BAPI representative for the complete list of options. Submittal sheets without List Prices can be downloaded from our website at www.bapihvac.com

Example Number: BA/ (**10K-2**) - (**LPW**) - (**5**)

Actual Number (with parenthesis removed): BA/10K-2-LPW-5

Description: 10K-2 Thermistor Temperature Sensor, White Button Sensor, 5 Feet of Plenum-Rated Leads.

Your Number: BA/

