



TEMPERATURE

BAS/HVAC TEMPERATURE SENSORS BA/ ROOM SERIES

DESCRIPTION

The BAPI BA Series Room Thermistor and RTD Sensors are designed specifically for HVAC systems. The room sensors come in a variety of enclosure styles, including Delta, Precon, stainless steel plate, and BAPIstat II. This series is available with thermistor, RTD, and semiconductor sensors, which makes the BA series compatible with every BAS system in use today.

FEATURES

- $\pm 0.36^{\circ}\text{F}$ ($\pm 0.2^{\circ}\text{C}$) Thermistor accuracy
- $\pm 0.27^{\circ}\text{F}$ ($\pm 0.15^{\circ}\text{C}$) or $\pm 0.54^{\circ}\text{F}$ ($\pm 0.30^{\circ}\text{C}$) RTD accuracy
- $\pm 2.7^{\circ}\text{F}$ ($\pm 1.5^{\circ}\text{C}$) semiconductor accuracy
- Lifetime limited sensor warranty
- Wide selection of thermistor, RTD, and semiconductor curves



BA/*R



BA/*-SP



SPECIFICATIONS

Accuracy

Thermistor	$\pm 0.36^{\circ}\text{F}$ (0.2°C)
RTD	
385 Curve	$\pm 0.27^{\circ}\text{F}$ (0.15°C)
375 Curve	$\pm 0.54^{\circ}\text{F}$ (0.30°C)

Sensor Type

Thermistor	10 kΩ Type II & III
RTD	100Ω, 1000Ω, 385 curve; 1000Ω, 375 curve

Temperature Range 32° to 158°F (-0° to 70°C)

Stability

Thermistor	< 0.036 F (0.02C) per year
RTD	0.14 °C with 6,000 continuous hours at 400 °C

Heat Dissipation

2.7 mW/°C (power need to raise the temperature 1C), 0.4°C/mW at 0°C

Enclosure Rating

NEMA 1, ABS plastic, UL94V-0

Mounting

Directly to wall or single gang box

Wiring Terminations

Terminals

Weight

0.25 lb (0.1 Kg)

Approvals

CE, RoHS

Warranty

Lifetime

ORDERING INFORMATION

MODEL	DESCRIPTION
BA/	Room temperature sensor surface mount
SENSOR TYPE	
10K2	10,000Ω thermistor @ 77°F (25°C), Type 2
10K3	10,000Ω thermistor @ 77°F (25°C), Type 3
100	100Ω RTD @ 32°F (0°C), 385 curve
1K	1000Ω RTD @ 32°F (0°C), 385 curve
1K375	1000Ω RTD @ 32°F (0°C), 375 curve
ROOM ENCLOSURE	
R	Delta style enclosure
B4	BAPIstat 4 style enclosure
SP	Stainless steel plate style enclosure

BA/ — 10K3 — R Example: BA/10K3-R Delta room 10,000Ω thermistor sensor

RELATED PRODUCTS

UR Moisture-resistant three-wire butt splice