# **TEMPERATURE**

## **BAPI OSA TEMPERATURE SENSORS BA/OSA SERIES**



### **DESCRIPTION**

The **BA Series OSA Sensors** are designed specifically for HVAC systems. The probes are available in a variety of easy-to-mount installation types, and they come in thermistor and RTD sensors. The BA probe sensors are compatible with every BAS system in use today.

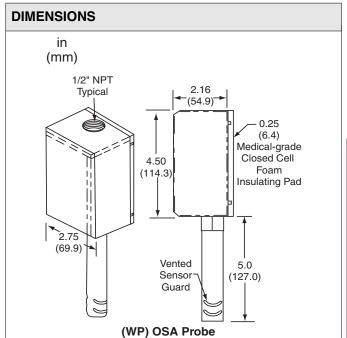
#### **FEATURES**

- ±0.36°F (±0.2°C) thermistor accuracy
- ±0.27°F (±0.15°C) or ±0.54°F (±0.3°C) RTD
- · Lifetime limited sensor warranty
- · Wide selection of mounting styles



#### **SPECIFICATIONS** Accuracy **Thermistor** ±0.36°F (0.2°C) ±0.27°F (±0.15°C) RTD (.385) RTD (.375) ±0.54°F (±0.30°C) Sensor types **Thermistor** 10 k $\Omega$ ; Type 2, 10 k $\Omega$ ; Type 3 RTD $100\Omega$ , 385 curve; $1000\Omega$ , 385 curve; 1000Ω, 375 curve Temperature range -40° to 185°F (-40° to 85°C) Stability **Thermistor** <1.8°F (0.1°C) over five years **RTD** <±0.1°C drift **Heat dissipation** Thermistor, 2.7 mW/°C (power needed to raise the temperature by 1°C) Connections 22 AWG wire-etched Teflon leads **Enclosure Materials** WP NEMA 3R, cast aluminum вв NEMA 4, UV resistant plastic, UL94V-0 JB Standard steel junction box Agency approvals CE, RoHS Lifetime (Sensor) Warranty

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## **ORDERING INFORMATION**

MODEL	DESCRIPTION		
BA/	Probe temperatu	ure sensor	
	REQUIRED SEI		
	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	
	1K8	1000Ω RTD @32°F (0°C), 385 curve	_
	1K7	1000Ω RTD @32°F (0°C), 375 curve	_
		REQUIRED PROBE TYPE AND LENGTH	
		O OSA probe 5" long	
		REQUIRED MOUNTING ENCLOSURE (JB is standard)	
		JB 2" x 4" handy box with 1/2" knockouts	
		EUO Weathertight IP66 UV-rated enclosure	
		WP NEMA 3R weatherproof enclosure	Т
		BB NEMA 4 weatherproof, UV resistant plastic	
BA/	— 10K3 —	O BB Example: BA/10K3-O-BB BAPI 5" OSA 10,000Ω thermistor sensor with	
		NEMA 4 weatherproof enclosure	
NOTE	E: Call Kele for add	itional temperature sensor options.	