



# TEMPERATURE

## AVERAGING THERMISTOR AND RTD SENSORS BA/ AVERAGING SERIES

### DESCRIPTION

The **BAPI BA Series Averaging Thermistor and RTD Sensors** are available in a variety of easy to mount installation types. They come in thermistor and RTD sensors and feature etched Teflon leadwires. Flexible probes are made of bendable aluminum while the rigid probes are made of stainless steel.

### FEATURES

- Flexible averaging lengths: 8' (2.4m), 12' (3.7m) and 24' (7.3m)
- Several enclosure styles with mounting tabs for easy installation
- Limited lifetime warranty



BA/10K2-A8-BB4



BA/10K2-A8-JB



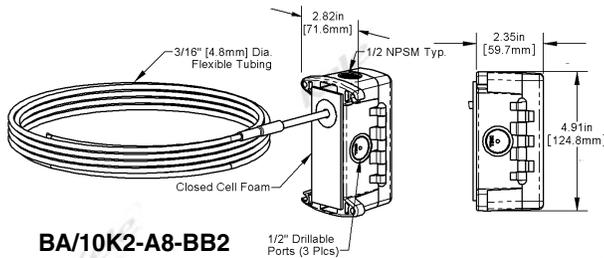
BA/10K2-A8-NB



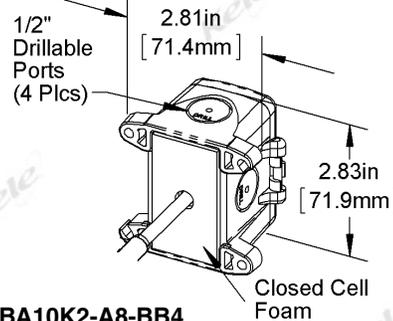
### SPECIFICATIONS

<b>Accuracy</b>		<b>JB</b>	NEMA 1, 2" x 4" J-box with 1/2" knockouts
<b>Thermistor</b>	±0.36°F (0.2°C)	<b>BB</b>	NEMA 4, BAPI Box IP66 rated, NEMA 4 UV-resistant polycarbonate
<b>RTD</b>	±0.55°F (±0.30°C)	<b>BB2</b>	NEMA 4, BAPI Box 2 IP66 rated, NEMA 4 UV-resistant polycarbonate
<b>Sensor Type</b>		<b>BB4</b>	NEMA 3R, BAPI Box 4 IP44 Nylon & Plastic
<b>Thermistor</b>	10 kΩ Type II & III	<b>WP</b>	NEMA 3R cast aluminum
<b>RTD</b>	100Ω, 1000Ω, 385 curve; 1000Ω, 375 curve	<b>Mounting</b>	Directly to Duct, with clips to mount coil
<b>Temperature Range</b>	32° to 158°F (-0° to 70°C°)	<b>Wiring Terminations</b>	22 AWG wire, etched teflon leads
<b>Stability</b>	< 0.036°F (0.02°C) per year, 0.14°C with 6,000 continuous hours at 400°C	<b>Weight</b>	1 to 2 lbs (Varies with probe length)
<b>Heat Dissipation</b>	2.7 mW/°C (power need to raise the temperature 1°C), 0.4°C/mW at 0°C	<b>Approvals</b>	CE, RoHS
<b>Enclosure Rating</b>		<b>Warranty</b>	Lifetime
<b>NB</b>	No box with 18" leads		

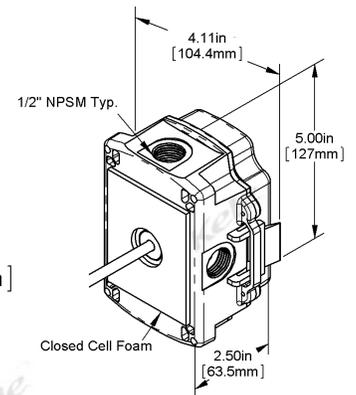
### DIMENSIONS



BA/10K2-A8-BB2



BA10K2-A8-BB4



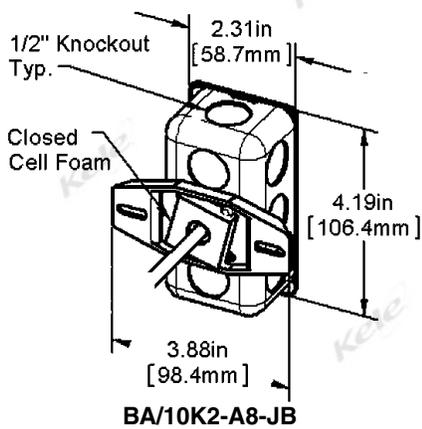
BA/10K2-A8-BB

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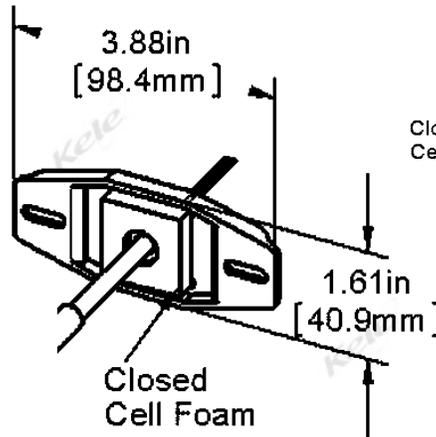
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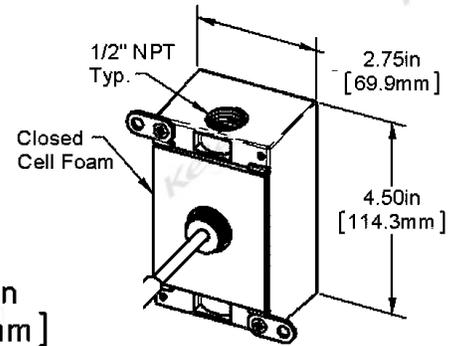
### DIMENSIONS



BA/10K2-A8-JB



BA/10K2-A8-NB



BA/10K2-A8-WP

### ORDERING INFORMATION

MODEL	DESCRIPTION
BA/	Probe temperature sensor
<b>REQUIRED SENSOR TYPE</b>	
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
<b>REQUIRED PROBE TYPE AND LENGTH</b>	
A8	Flexible averaging probe 8' long
A12	Flexible averaging probe 12' long
A24	Flexible averaging probe 24' long
RA12	Rigid averaging probe 12" long
RA2	Rigid averaging probe 24" long
RA4	Rigid averaging probe 48" long
<b>REQUIRED MOUNTING ENCLOSURE (JB is standard)</b>	
NB	No box with 18" leads
JB	2" x 4" J-box with 1/2" knockouts
BB	NEMA 4 weatherproof, UV resistant plastic
BB2	IP66 UV resistant polycarbonate enclosure
BB4	IP66 UV resistant polycarbonate enclosure
WP	NEMA 3R weatherproof enclosure

BA/	—	10K3	—	A8	—	JB	<b>Example:</b> BA/10K3-A8-JB BAPI 8" averaging 10,000Ω thermistor sensor with JB box
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### RELATED PRODUCTS

<p><b>T85U-XR</b>  <b>T81U-XR</b>  <b>T91U-XR</b>  <b>CC-1G-K</b>  <b>M-648-K</b></p>	<p>1000 ohm, Type 85 4-20 mA temperature transmitter, custom rangeable                  100 ohm, Type 81 4-20 mA temperature transmitter, custom rangeable                  1000 ohm, Type 91 4-20 mA temperature transmitter, custom rangeable                  Plastic capillary and sensor holder mounting clip                  Copper-clad capillary mounting clip</p>
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