Outside Air Units

Temperature Sensors



Rev. 12/07/15

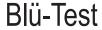


Features & Options

- Quick-Response Sensor
- Well-Vented, Light-Colored Sensor Guard
- Four Watertight Enclosure Styles
- Wide Selection of Temperature Sensing Elements

Outside Air Units are designed to be mounted outdoors. The UV-resistant plastic shield keeps the sensor out of the sunlight and allows for excellent air circulation. The units are available in a cast aluminum Weatherproof enclosure which carries a NEMA 3R rating or a BAPI-Box or BAPI-Box 2 which are made of UV-resistant polycarbonate and carry an IP66 rating. BAPI also offers optional liquid-tight fittings. For a comparison of the enclosure styles, please see the App. Notes section.

All Outside Air Units have etched Teflon leadwires and can withstand high humidity and condensation and perform under real world conditions. This is especially important in an outside air application which can be exposed to rain, snow and large temperature swings.



Bluetooth® Wireless Blü-Test Temp and Humidity Measurement Probe

Commissioning just got easier with BAPI's temp and humidity probe. There's no need to carry an extra meter because the Blü-Test communicates directly to your Bluetooth-enabled Smart Phone or Tablet. The free App even lets you log the data.

For more info, see the Accessories section.





*All Passive Thermistors $20K\Omega$ and smaller are CE compliant.

Specifications

Enclosure Material:

BB & BB2 Models: UV-resistant polycarbonate, UL94, V-0

WP Model: Cast Aluminum

Enclosure Rating:

WP Model: NEMA 3R

BB & BB2 Models: IP66, NEMA 4

Environmental Operation Range:

Temperature Sensor: -40 to 85 °C Temperature Transmitter: -20 to 70 °C

Humidity: 0 to 100%, non-condensing

Encl. Dimensions: HxWxD

BAPI-Box (BB) 5 x 4.1 x 2.5" (127 x 104 x 63.5mm) BAPI-Box 2 (BB2) 4.9 x 2.8 x 2.35" (125 x 71.6 x 60mm) Weatherproof (WP) 4.5 x 2.75 x 2.2" (114 x 70 x 55mm)

(For enclosure dimension drawings, turn to the end of the section.)

For detailed specifications on the Sensors & Transmitters, see the "Sensors" section.





Rev. 12/07/15

#	· · · · · ·		tor number (shown to tl			
#	4.016					
		THERMISTORS				
	1.8K	1.8K Ω @ 25 °C			@ 0 °C, 3.75 Ω /°C temp. coeff.	
	2.2K	2.2K Ω @ 25 °C			21°C, 5 Ω /°C temp. coeff.	
	3K	3K Ω @ 25 °C	1K		@ 0 °C, 3.85 Ω /°C temp. coeff.	
	3.25K	3.25K Ω @ 25 °C	C (T30 type) 2K	2K Ω Silicon @	20 °C, 8 Ω/°C temp. coeff.	
	3.3K	3.3K Ω @ 25 °C				
	10K-2	10K Ω @ 25 °C				
l l	10K-3	10K Ω @ 25 °C	SEMICO	SEMICONDUCTORS		
	10K-3[11K]	5,238 Ω @ 25 °C	334	LM334 Semico	onductor	
	20K	20K Ω @ 25 °C	592	AD592 Semico	nductor, 273 μA @ 0 °C	
	47K	47K Ω @ 25 °C	592-10K	AD592 Semico	ond. with 10 kΩ shunt resistor,	
	50K	50K Ω @ 25 °C		2.73 V @ 0 °C		
	100K	100K Ω @ 25 °C				
		TEMPERATURE TRANSMITTERS Must include a "range" figure. Requires an enclosure.				
	T1K[range]	1K Platinum RTD, 1,000 Ω @ 0 °C with 4 to 20 mA Output 1K Platinum RTD, 1,000 Ω @ 0 °C with MATCHED 4 to 20 mA Output* 10K Thermistor, 10,000 Ω @ 25 °C with 4 to 20 mA Output** 10K Thermistor, 10,000 Ω @ 25 °C with 0 to 5 VDC Output**				
	T1KM[range]					
	T10K[range]					
	T10K5[range]					
	T10K10[range]					
	rioitio[iuiigo]					
		32 TO 122F	0 TO 50C	0 TO 150F	-18 TO 66C	
		32 TO 122F 20 TO 120F	-7 TO 49C	-30 TO 140F		
		-20 TO 120F		-52 TO 152F		
	Configuration (Required)				
ľ	-O-BB	BAPI-Box Enclosure - IP66 rated, UV-resistant polycarbonate				
F	-O-BB2					
F	-O-WP		nclosure - NEMA 3R rate			
F			enclosure is required			
		·		BB or BB2 requir	red, includes a Terminal Strip Connect	
		not available with Temp. Transmitter)				
					quired for units with a Thermistor, RTI	
			Semiconductor)***	,		
PLE 10K-2	-O-BB					

Call BAPI if you have questions about the above ordering grid or the configuration of the product you are ordering.



^{*}MATCHED Transmitter use Class A RTD's & are matched at 25%, 50% & 75% of calibrated scale limited to within -25°C to 150°C.

^{**}Range is limited to -40 to 185°F (-40 to 85°C)

^{***}TS option is not available with the 592-10K Semiconductor sensor or the T10K transmitters.