



Features & Options

- Quick-Response Sensor
- IP66/NEMA 4 BAPI-Box 2 Enclosure Style
- Well-Vented Sensor Guard

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 BAPI-Box 2 polycarbonate enclosure which carries an IP66/NEMA 4 rating.

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.



**Outside Air Temperature
Sensor in a BAPI-Box 2
Enclosure**

Weather Shade

External temperature, humidity and air quality sensors can be affected by solar heat gain. The BAPI Weather Shade effectively blocks the solar heat gain, improving the accuracy of the sensor.



(See Accessories for more info.)

Specifications

Environmental Operation Range:

Temperature Sensor: -40 to 85 °C

Temperature Transmitter: -20 to 70 °C

Humidity: 0 to 100%, non-condensing

Sensing Element:

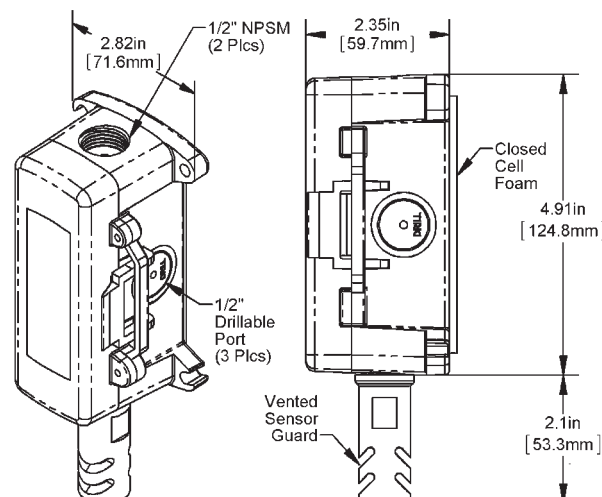
Thermistor or RTD

(See Sensors Section for Specs.)

Enclosure Rating: IP66, NEMA 4

Enclosure Material:

UV-resistant polycarbonate, UL94 V-0





Use the Option Selection Guides 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. Additional options are available but not shown above. Contact BAPI for the complete list of options.

Option Selection Guide

Outside Air Temperature Sensors

BA/ (#1) - (#2) - (#3) - (#4)

#1: Temp Sensor (Required)

1.8K 1.8K Thermistor
3K 3K Thermistor
10K-2 10K-2 Thermistor
10K-3 10K-3 Thermistor
10K-3[11K]... 10K-3[11K] Thermistor
20K 20K Thermistor
1K[375] 1K Plat. RTD (375 curve)
1K 1K Plat. RTD (385 curve)
1K[NI] 1K Nickel RTD

#2: Configuration (Required)

O Outside Air Unit

#3: Enclosure (Required)

BB2 BAPI-Box 2 (IP66, NEMA 4)

#4: Test & Balance or Terminal Strip (Optional)

TB Test & Balance Switch
TS Terminal Strip Connection

Example Number:

BA/(10K-2) - (O) - (BB2) - ()
BA/10K-2-O-BB2 (no parenthesis)

Description: 10K-2 Thermistor, Outside Air Unit,
BAPI-Box 2 Enclosure

Option Selection Guide

Otusive Air Temperature Transmitters

BA/ (#1) (#2) - (#3) - (#4) - (#5)

#1: Output (Required)

T1K 4 to 20mA Output
TXS05 0 to 5V Output*
TXS10 0 to 10V Output*
TXS12 2 to 10V Output*
TXS15 1 to 5V Output*

#2: Temperature Range (Required)

[32 TO 212F] ... 32 to 212°F Range
[20 TO 120F] ... 20 to 120°F Range
[0 TO 100F] 0 to 100°F Range
[0 TO 100C] 0 to 100°C Range
[-7 TO 49C] -7 to 49°C Range
[-18 TO 38C] -18 to 38°C Range

#3: Configuration (Required)

O Outside Air Unit

#4: Enclosure (Required)

BB2 BAPI-Box 2 (IP66, NEMA 4)

#5: Terminal Strip (Optional)

TS Terminal Strip Connection

*Voltage outputs are field selectable

Example Number:

BA/(T1K)([32 TO 212F]) - (O) - (BB2) - ()
BA/T1K[32 TO 212F]-O-BB2 (no parenthesis)

Description: 4 to 20mA Transmitter, 32 to
212°F Range, Outside Air Unit, BAPI-Box 2
Enclosure



Your Number: BA/

