



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.

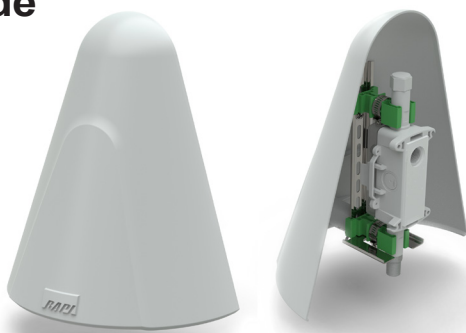
All Outside Air Units have etched Teflon leadwires and can withstand high humidity and condensation and perform under real world conditions. This is especially important in an outside air application which can be exposed to rain, snow and large temperature swings.



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:

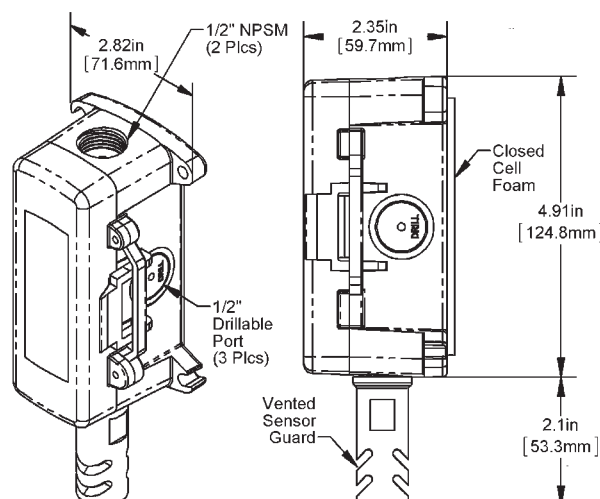
Thermistor or RTD

(See Sensors Section for Specs.)

Enclosure Rating: IP66, NEMA 4

Enclosure Material:

UV-resistant polycarbonate, UL94, V-0





Use the Option Selection Guide 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.



Outside Air Temperature Option Selection Guide

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

#1: Temperature 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 Platinum RTD (375 curve)
1K[Ni] 1K Ω Nickel RTD
1K 1K Platinum RTD (385 curve)

Transmitters below require a BAPI-Box 2 Enclosure

T1K[32 TO 212F] 1K Plat. RTD Transmitter, 4 to 20 mA Output, 32 to 212°F Range
T1K[20 TO 120F] 1K Plat. RTD Transmitter, 4 to 20 mA Output, 20 to 120°F Range
T1K[0 TO 100F] 1K Plat. RTD Transmitter, 4 to 20 mA Output, 0 to 100°F Range
T1K[0 TO 100C] 1K Plat. RTD Transmitter, 4 to 20 mA Output, 0 to 100°C Range
T1K[-7 TO 49C] 1K Plat. RTD Transmitter, 4 to 20 mA Output, -7 to 49°C Range
T1K[-18 TO 38C] 1K Plat. RTD Transmitter, 4 to 20 mA Output, -18 to 38°C Range

Matched Transmitters are also available. Contact your BAPI representative for ordering.

#2: Outside Air Unit (required)

O Outside Air Unit

#3: Enclosure and Lead Length (required)

BB2 BAPI-Box 2 Polycarbonate Enclosure (IP66, NEMA 4)

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

TB Test & Balance Switch
TS Terminal Strip Connection

Additional options are available for these units but not shown in this Selection Guide. Contact your BAPI representative for the complete list of options. Submittal sheets without List Prices can be downloaded from our website at www.bapihvac.com

Example Number: BA/(**10K-2**) - (**O**) - (**BB2**) - ()

Actual Number (with parenthesis removed): BA/10K-2-O-BB2

Description: 10K-2 Thermistor, Outside Air Temperature Sensor, BAPI-Box 2 Enclosure, No Test and Balance or Terminal Strip.

Your Number: BA/

