



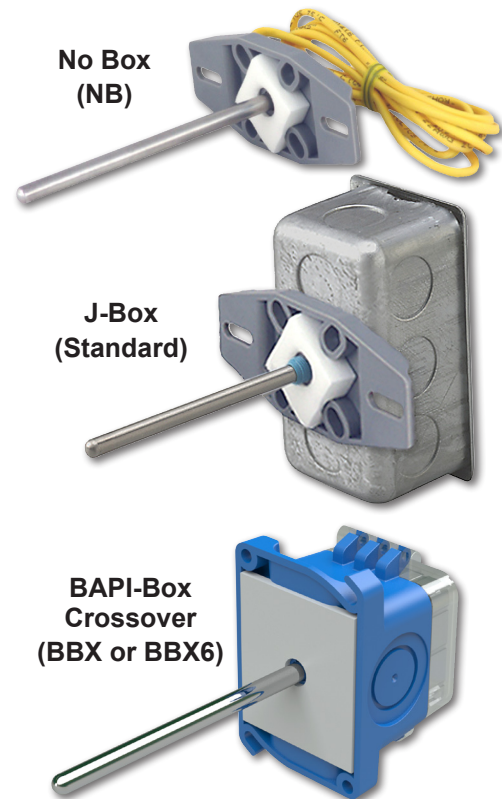
Features & Options

- Series 304 Stainless Steel Probes: 2, 4, 8, 12 and 18"
- Three Enclosure Styles
- Double Encapsulated Sensors & Etched Teflon Leads
- Limited Lifetime Warranty
- Wide Selection of Temperature Sensing Elements

Single Point Duct Units feature closed cell foam to seal the probe insertion hole and to absorb vibration. Mounting tabs allow for easy installation directly to the wall of the duct.

All Duct Units have etched Teflon leadwires and double encapsulated sensors to create a watertight package that can withstand high humidity and condensation and perform under real world conditions. Duct Units have probe lengths from 2" to 18" to accommodate most duct shapes and sizes. Custom probe lengths are also available.

Duct Units come standard with a 2"x4" steel J-Box but are also available with no box or the new BAPI-Box Crossover enclosure.



The New BAPI-Box Crossover Enclosure

The new BAPI-Box Crossover features a hinged cover with thumb latch for easy termination. It is available with an optional pierceable knockout plug for the open port and a watertight gasket for the cover.

(Units shown with optional plug and gasketed cover.)



Specifications

Environmental Operation Range:

Temperature:

BAPI-Box Crossover: -40 to 85 °C

Other Enclosures: -40 to 105 °C

Humidity: 0 to 100%, non-condensing

Sensing Element:

Thermistor or RTD (See Sensors Section for Specs.)

Probe Material:

Stainless Steel, 1/4" diameter

Enclosure Material:

Junction Box: Galvanized Steel

BAPI-Box Crossover:

UV-resistant polycarbonate, UL94, V-0

Enclosure Rating:

Junction Box: IP20, NEMA 1

BAPI-Box Crossover (BBX): IP10, NEMA 1

BAPI-Box Crossover (BBX6): IP66, NEMA 4X

Enclosure Dimensions: H x W x D

BAPI-Box Crossover:

3.1 x 2.2 x 1.9" (79 x 56 x 49mm)

Junction Box

4.2 x 3.9 x 1.94" (106 x 98.4 x 49mm)

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





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.

Duct 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 Crossover 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: Probe Type and Length (required)

- D-2" Duct, 2" (51mm) length
- D-4" Duct, 4" (102mm) length
- D-8" Duct, 8" (203mm) length
- D-12" Duct, 12" (305mm) length
- D-18" Duct, 18" (457mm) length

#3: Enclosure and Lead Length (optional, J-Box comes standard)

- BBX BAPI-Box Crossover (IP10, NEMA 1)
- BBX6 BAPI-Box Crossover with Gasket and Knockout Plug (IP66, NEMA 4X)
- NB-18" No Box, 18" Leads
- NB-5' No Box, 5' Leads
- NB-10' No Box, 10' Leads
- NB-15' No Box, 15' Leads

#4: Test & Balance or Terminal Strip (optional, requires a BAPI-Box Crossover Enclosure)

- 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.

Example Number: BA/(**10K-2**) - (**D-8"**) - (**NB-5'**) - ()

Actual Number (with parenthesis removed): BA/10K-2-D-8"-NB-5'

Description: 10K-2 Thermistor, Duct Temperature Sensor, No Box Enclosure with 5' Leads.

Your Number: BA/

