**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.

**Specifications**

**Environmental Operation Range:**
Temperature:
- BAPI-Box Crossover: -40 to 185°F (-40 to 85°C)
- Other Enclosures: -40 to 221°F (-40 to 105°C)
- No Box w/ Plenum-Rated Wire: -4 to 167°F (-20 to 75°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
  - IP44 with knockout plug in open port

**Enclosure Dimensions:**
- 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.)
Duct Temperature Option Selection Guide

#1: Temperature Sensor (required)
1.8K ...................... 1.8K Thermistor
3K ...................... 3K Thermistor
10K-2 ..................... 10K-2 Thermistor
10K-3 ..................... 10K-3 Thermistor
20K ...................... 20K Thermistor
1K[375] .................... 1K Platinum RTD (375 curve)
1K[N] ..................... 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[-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)
NB-18” ................... No Box, 18” Etched Teflon Leads
NB-5’ ..................... No Box, 5’ Plenum-Rated Cable Leads
NB-10’ ................... No Box, 10’ Plenum-Rated Cable Leads
NB-15’ .................. No Box, 15’ Plenum-Rated Cable 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/