

### Surface Sensor with FEP Cable Features & Options (with white adhesive strip on sensing surface) Copper Encapsulation Shell and Thermal Adhesive for Increased Temperature Transfer Easy to Install on Flat Surfaces **Optional BAPI-Box 2 or Crossover** Surface Sensor with FEP Cable **FEP-Jacketed Cable** and BAPI-Box 2 The Surface Sensor features a 0.75" diameter Enclosure (right) and **BAPI-Box Crossover** copper encapsulation shell with a thermally Enclosure (below) adhesive tape to mount on flat surfaces. BAPI Surface Sensors are commonly used on glass windows and doors, solar panel modules, and other hard-to-access areas where a Remote Probe may be difficult to mount. BAPI Surface Sensors are available with a **BAPI-Box Crossover or BAPI-Box 2** enclosure. Unit includes a square closed-cell foam cover to isolate the sensor from the ambient air. Includes square foam cover to insulate sensor from ambient air

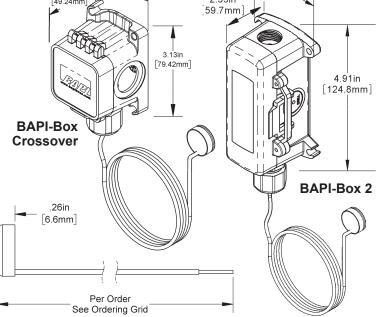
## Specifications

#### **Environmental Operation Range:** 🛰 2.16in 2.82in Temperature Sensor: [54.92mm] 1.94in [71.6mm] 2.35in -40 to 221°F (-40 to 105°C) [49 24m 59.7mm Humidity: 0 to 100%, non-condensing Sensing Element: Thermistor or RTD (See Sensors Sect. for Specifications) 3.1<sup>'</sup>3in [79.42mm] Surface Sensor Material: Copper 110 BAND **Enclosure Material:** BAPI-Box 2: UV-resistant polycarb., UL94 V-0 **BAPI-Box** Crossover **BAPI-Box Crossover:** Cover: Polycarbonate, UL94 V-0 Base: Nylon, UL94 HB **Enclosure Rating:** .26in BAPI-Box 2: [6.6mm] IP66. NEMA 4X

Ø.75in

[19.1mm]

**BAPI-Box Crossover:** IP10, NEMA 1 (IP44 w/ plug in open port)





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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.

# Surface Sensor Selection Guide:

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

#1: Temperature Sensor (required)

 1K[375]
 1K Platinum RTD (375 curve)

 1K[NI]
 1K Ω Nickel RTD

 1K
 1K Platinum RTD (385 curve)

 1.8K
 1.8K Thermistor

 3K
 3K Thermistor

 10K-2
 10K-2 Thermistor

 10K-3
 10K-3 Thermistor

 20K
 20K Thermistor

1K Plat. RTD Transmitters below with 4 to 20 mA Output - require a BAPI-Box Crossover Enclosure

T1K[32 TO 212F]....32 to 212°F Range T1K[20 TO 120F]....20 to 120°F Range T1K[0 TO 100F].....0 to 100°F Range

T1K[0 TO 100C] .....0 to 100°C Range T1K[-7 TO 49C] .....-7 to 49°C Range T1K[-18 TO 38C] ....-18 to 38°C Range

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

<u>#2: Probe Type (</u>required) SMFEP .....Surface Sensor

#3: FEP Cable Color & Length (required)

18" .....Gray Cable, 18" Length 5' ....Gray Cable, 5' Length 10' ....Gray Cable, 10' Length 15' ....Gray Cable, 15' Length 20' ....Gray Cable, 20' Length

#4: Enclosure (optional)

BBX .....BAPI-Box Crossover (IP10) BB2.....BAPI-Box 2 (IP66)

**#5: 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) - (SMFEP) - (5') - (BBX) - ()

Actual Number (with parenthesis removed): BA/10K-2-SMFEP-5'-BBX

### **Description:**

10K-2 Thermistor, Surface Sensor, 5' of FEP-Jacketed Cable, BAPI-Box Crossover Enclosure, No Test and Balance Switch or Terminal Strip

Your Number: BA/



