

## Temperature Sensors

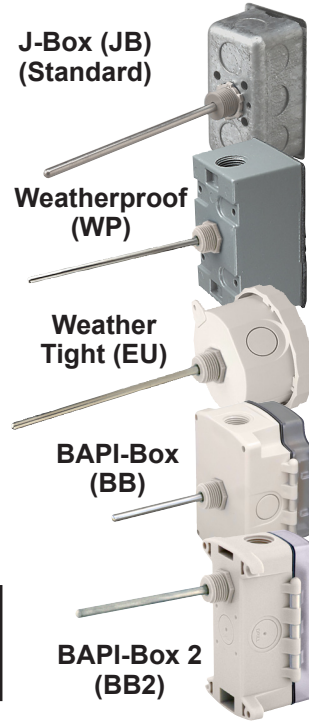
Rev. 06/09/11


### Features & Options

- Probe Lengths: 2", 4" & 8" (fit standard BAPI Thermowell lengths)
- Series 304 Stainless Steel Probes and Five Enclosure Styles
- Double Encapsulated Sensors & Etched Teflon Leadwires
- Wide Selection of Temperature Sensing Elements

Immersion Units are available in 2", 4" and 8" probe lengths. The sensor is potted inside a 1/4" stainless steel probe with thermally conductive compound. All Immersion Units have etched Teflon leadwires and double encapsulated sensors to create a watertight package that can withstand high humidity and condensation.

Immersion Units come standard with a 2"x4" steel J-Box (**JB**) but are also available with four styles of watertight enclosure: Weatherproof (**WP**), Weather Tight (**EU**), BAPI-Box (**BB**) or BAPI-Box 2 (**BB2**). BAPI also offers optional liquid-tight fittings. For more on the enclosure styles, please see the App. Notes section.





**BAPI Thermowells**  
Immersion Unit Probes are designed to be inserted into a Thermowell. For more info on Thermowells, see page A60.

\* All Passive Thermistors 10K Ω and smaller are CE compliant.

**For detailed specs on the individual Sensors & Transmitters, turn to the "Sensors" Section.**

### Specifications

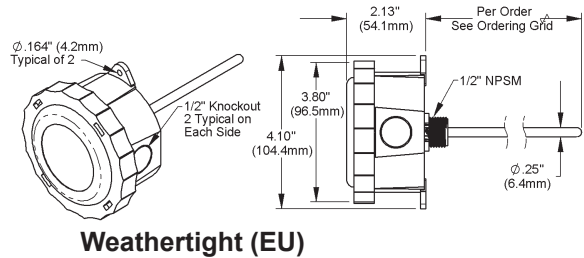
**Encl. Material:**

- J-Box Model: Galv. Steel
- WP Model: Cast Aluminum
- EU Model: ABS Plastic, UL94, V-0
- BB & BB2: UV-resistant polycarbonate, UL94, V-0

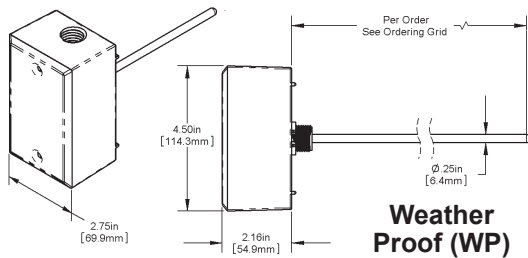
**Encl. Rating:** J-Box: NEMA 1 • WP Model: NEMA 3R  
EU, BB & BB2 Models: IP66, NEMA 4

**Environmental Operation Range:**

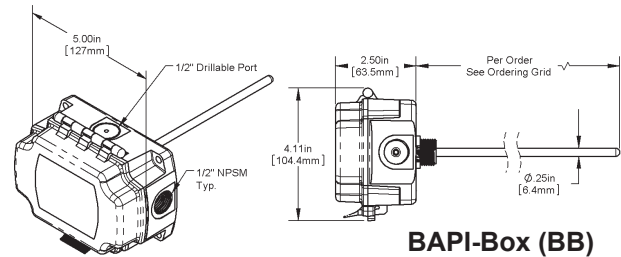
- Temperature Sensor: -40 °C to 85 °C
- Temperature Transmitter: -20 °C to 70 °C
- Humidity: 0 to 100%, non-condensing



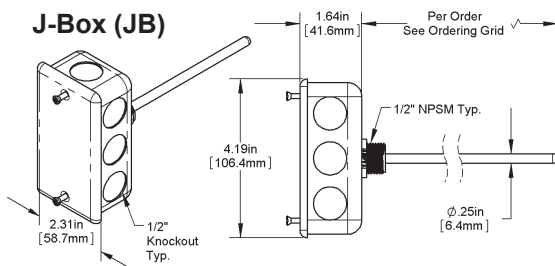
**Weathertight (EU)**



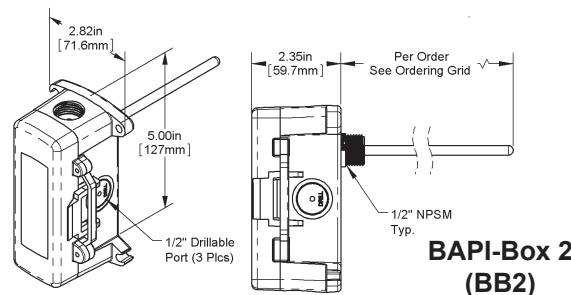
**Weather Proof (WP)**



**BAPI-Box (BB)**



**J-Box (JB)**



**BAPI-Box 2 (BB2)**

