

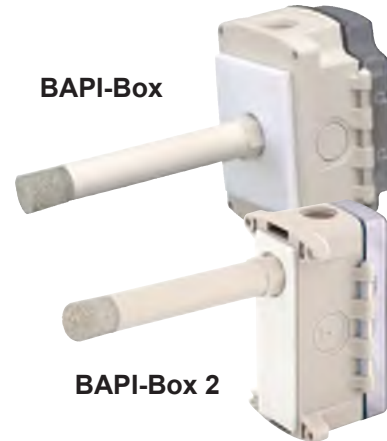
Rev. 03/25/11

Features & Options

- Humidity Only or Temp./Humidity Combination
- Etched Teflon Leadwires & Foamback Insulator
- Watertight BAPI-Box Enclosure
- Replaceable Filter & Humidity Probe
- 2% and 3% RH Accuracies

Humidity control is an important aspect of any climate control system. Therefore, humidity sensors must be both accurate and dependable. BAPI's humidity sensors are prescreened for accuracy, eliminating field calibration even when replacing a sensor or probe. The Duct Units are also extremely dependable, with a watertight BAPI-Box or BAPI-Box 2 enclosure.

All Duct Units feature medical-grade 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 are built to withstand high humidity and condensation and perform under real world conditions.



Ordering Information/Part Numbers

Humidity Only Units

ALC/H200-D-BB: 2%RH Duct Humidity Sensor

ALC/H300-D-BB: 3%RH Duct Humidity Sensor

Combination Temperature and Humidity Duct Sensor

ALC/10K-2-H200-D-BB: 2%RH Duct Temperature and Humidity Sensor

ALC/10K-2-H300-D-BB: 3%RH Duct Temperature and Humidity Sensor

Replace **-BB** with **-BB2** at the end of the part # for a watertight BAPI-Box 2 enclosure

Specifications

Power:

10 to 35 VDC (0 - 5 VDC or 4 - 20 mA outputs)

12 to 24 VAC (0 - 5 VDC Output)

Encl. Material:

UV-resistant polycarbonate, UL 94, V-0

Enclosure Rating: IP 66

Environmental Operation Range:

Temp: -30 °C to 70 °C

Humidity: 0% to 100% RH

Humidity Sensor:

Impedance Type, $\pm 2\%$ or $\pm 3\%$ RH

10K-2 Thermistor Sensor Specifications

Resistance: 10 k Ω @ 25°C, -55°C to 150°C range

Standard Accuracy: 0.2°C ($\pm 0.36^\circ\text{F}$) at 0 to 70°C

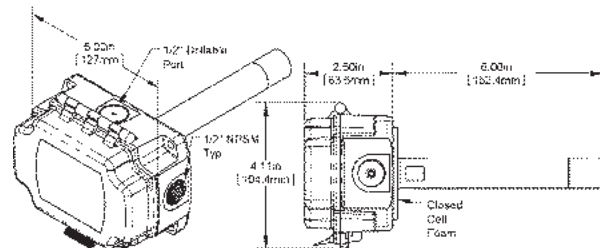
Dissipation Constant: 2.7 mW/°C

Stability(drift): Less than $\pm 0.1^\circ\text{C}$ (0.18°F) drift over 10 years.

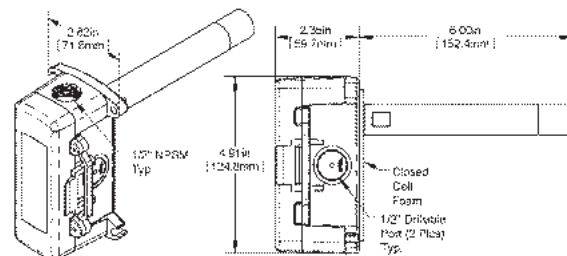
Power Consumption:

22 mA max. DC (0 - 5 VDC or 4 - 20 mA Outputs)

0.53 VA max. AC (0 - 5 VDC Output)



BAPI-Box (BB)



BAPI-Box 2 (BB2)