

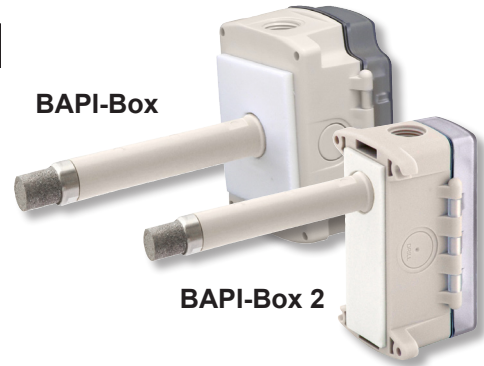
Rev. 01/16/15

### Features & Options

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

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 the need for field calibration. 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, BAPI-Box, interchangeable 0 to 5 or 4 to 20 mA %RH Output**

- ALC/H200-D-BB ..... 2%RH Duct Humidity Sensor with a BAPI-Box Enclosure
- ALC/H300-D-BB ..... 3%RH Duct Humidity Sensor with a BAPI-Box Enclosure

**Combo Units, 10K-2 Thermistor, BAPI-Box, interchangeable 0 to 5 or 4 to 20 mA %RH Output**

- ALC/10K-2-H200-D-BB .. 2%RH Duct Temperature and Humidity Sensor with a BAPI-Box Enclosure
- ALC/10K-2-H300-D-BB .. 3%RH Duct Temperature and Humidity Sensor with a BAPI-Box Enclosure

**Humidity Only Units, BAPI-Box 2, interchangeable 0 to 5 or 4 to 20 mA %RH Output**

- ALC/H200-D-BB2 ..... 2%RH Duct Humidity Sensor with a BAPI-Box 2 Enclosure
- ALC/H300-D-BB2 ..... 3%RH Duct Humidity Sensor with a BAPI-Box 2 Enclosure

**Combo Units, 10K-2 Thermistor, BAPI-Box 2, interchangeable 0 to 5 or 4 to 20 mA %RH Output**

- ALC/10K-2-H200-D-BB2 ..2%RH Duct Temperature and Humidity Sensor with a BAPI-Box 2 Enclosure
- ALC/10K-2-H300-D-BB2 ..3%RH Duct Temperature and Humidity Sensor with a BAPI-Box 2 Enclosure

### Specifications

**Power:**  
10 to 35 VDC or 12 to 27 VAC (0 to 5 VDC %RH output)

**Power Consumption:**  
22 mA max. DC or 0.53 VA max. AC

**Enclosure Material:**  
UV-resistant polycarbonate, UL 94, V-0

**Enclosure Rating:** IP66, NEMA 4

**Environmental Operation Range:**  
Temp: -40 to 70 °C • Humidity: 0 to 100% RH

**Humidity Sensor:**  
Capacitive 2% or 3% RH (10 to 90% RH @ 23°C)

**10K-2 Thermistor Sensor Specifications**

**Resistance:** 10 kΩ @ 25°C, -55 to 150°C range  
**Standard Accuracy:** 0.2°C (±0.36°F) at 0 to 70°C  
**Dissipation Constant:** 2.7 mW/°C  
**Stability(drift):** Less than ±0.1°C (0.18°F) drift over 10 years.

