Duct Temp and Humidity Sensor

AUTOMATEDLOGIC
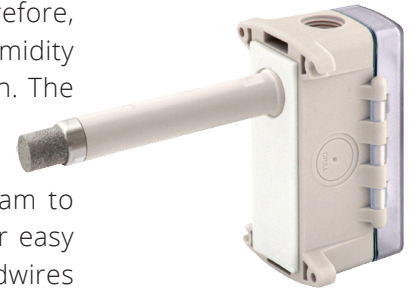United Technologies

Accessory for HVAC/R

Humidity control is an important aspect of any climate control system. Therefore, humidity sensors must be both accurate and dependable. Automated Logic's humidity sensors are prescreened for accuracy, eliminating the need for field calibration. The Duct Units are also extremely dependable, with a watertight enclosure.

Automated Logic Duct Humidity Sensors 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.

Part Number
NSB-10K-2-H200-D-BB2-A

Description
2%RH Duct Temperature and Humidity Sensor with a Box Enclosure 10K-2 Thermistor, interchangeable 0 to 5 or 4 to 20 mA %RH Output

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

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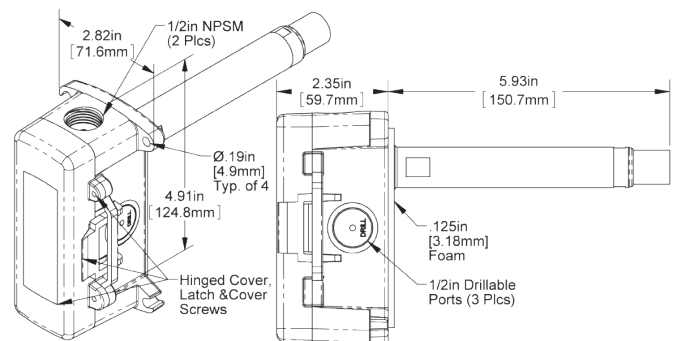- Capacitive 2% or 3% RH (10 to 90% RH @ 23°C)

10K-2 Thermistor Sensor:
- 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

Environmental Operation Range:
- Temp: -40 to 70 °C | -40 to 158 °F
- Humidity: 0 to 100% RH

Enclosure:
- UV-resistant polycarbonate, UL 94, V-0
- Enclosure Rating: IP66, NEMA 4

The WebCTRL® building automation system gives you the ability to understand your building operations and analyze the results. The WebCTRL system integrates environmental, energy, security and safety systems into one powerful management tool that allows you to lower energy consumption, increase occupant comfort, and achieve sustainable building operations. Our web-based platform allows building managers to control and access information about their HVAC, lighting, central plant and critical processes on premises or remotely at any time of day.

WebCTRL®

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