

Thermobuffer Temp Sensor

Accessories for HVAC/R

Automated Logic Thermobuffer Temperature Sensor is used to simulate more closely the refrigerator contents rather than the refrigerator air temperature. The fluid-filled chamber allows for slower reaction to abrupt temperature changes, yet still maintains long-term accuracy if the change remains permanent. It eliminates the temperature spikes due to frequent refrigerator or freezer door opening and decreases false alarms.

The Thermobuffer comes in two buffer sizes 1" and 2" and is designed to save valuable shelf space by mounting to the wall or by hanger in a refrigerator or freezer. The buffer chamber is machined in 304 Stainless Steel.

Features

- Eliminates Alarms Caused by Opening and Closing of Cooler/Freezer Doors
- Fluid-Filled Chamber to Mimic Core Temperatures
- Easy Wall Mount or Wire Shelf Hanger



Part Number

NSB-10K-2-TB-M304-1-HB-NB-10-A
NSB-10K-2-TB-M304-2-BB-2-A

Description

1" Buffer (Overall Buffer Length 1.99"), Hanging Bracket Mount with 10K-2 Thermistor
2" Buffer (Overall Buffer Length 4.33") with 10K-2 Thermistor and a Box Enclosure

Specifications

Enclosure Material and Enclosure Rating:

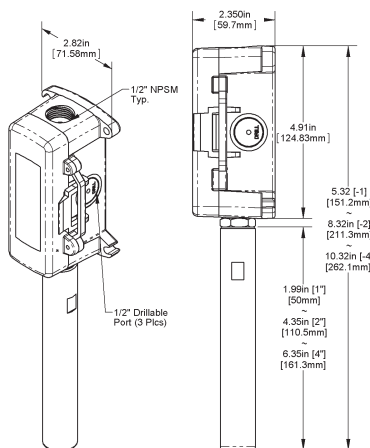
- 2" Box: UV-resistant Polycarbonate, IP66, NEMA 4

Environmental Operation Range:

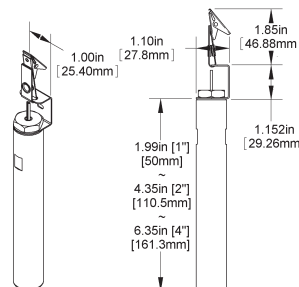
- Temp. Sensor: -40 to 185°F | -40 to 85°C
- Humidity: 0 to 100%, non-condensing

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



BAPI-Box 2



Hanging Bracket