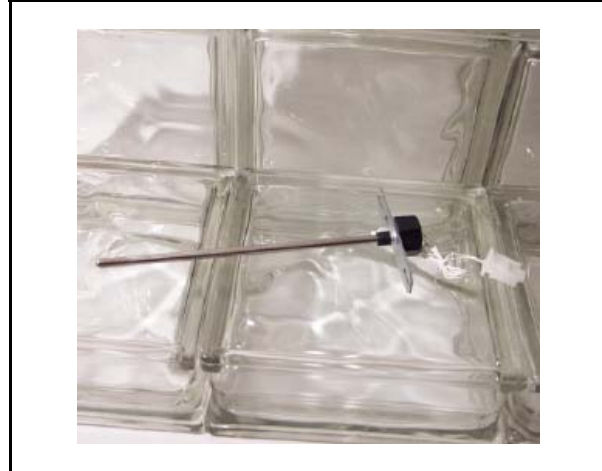


ACP-DO-8" 8" Duct Temperature Sensor

Product Description

The ACP-DO-8" temperature sensor uses a 10K Ohm (Type II) thermistor sensor. These sensors provide a predictable output over a specified temperature range to meet the manufacturer's required input value. The ACP-DO-8" is used typically with units that have economizer.

Thermistors offer high accuracy and interchangeability over a wide temperature range. The thermistors higher resistance relative to Platinum RTD's creates a larger signal with the same measuring current, negating most lead wire resistance problems and eliminating the need for signal conditioners.



Features & Application Highlights

| Features | Benefits |
|---|---|
| <ul style="list-style-type: none"> • Monitor | <ul style="list-style-type: none"> ➤ Can be used to monitor unit efficiency |
| <ul style="list-style-type: none"> • Locations | <ul style="list-style-type: none"> ➤ This sensor can be used as a: Return Air Sensor, Supply Air Sensors or Outside Air Sensor in a Fresh Air Plenum |

Technical Data

| | |
|---|--|
| <ul style="list-style-type: none"> • Sensor Output | <ul style="list-style-type: none"> ➤ 10,000 Ohms @77 °F (25 °C) Type II |
| <ul style="list-style-type: none"> • Operating Temperature Range | <ul style="list-style-type: none"> ➤ -40 to 302 °F (-40 to 150 °C) |
| <ul style="list-style-type: none"> • Interchangeability | <ul style="list-style-type: none"> ➤ +/- 0.2 °C @25 °C (70 ° F) |
| <ul style="list-style-type: none"> • Sensor Accuracy | <ul style="list-style-type: none"> ➤ +/- 0.2 °C @25 °C (70 ° F) |
| <ul style="list-style-type: none"> • Sensor Stability | <ul style="list-style-type: none"> ➤ +/- 0.13 °C |
| <ul style="list-style-type: none"> • Dissipation Constant | <ul style="list-style-type: none"> ➤ 3mW °C nominal |
| <ul style="list-style-type: none"> • Operating Humidity | <ul style="list-style-type: none"> ➤ 0 to 90% RH non-condensing |

Ordering Information

| MODEL NUMBER | DESCRIPTION |
|--------------|---|
| ACP-DO-8" | 8" Duct Temperature Sensor (10K Ohm, Type II) |