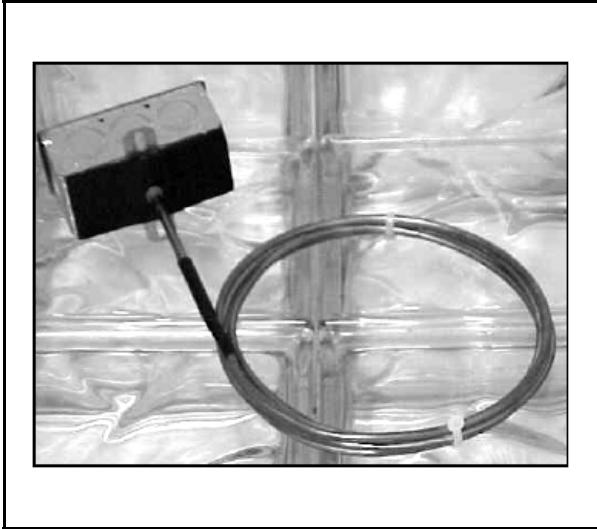


Product Description

The ACP-A-8' averaging sensor is designed to be used to accurately measure the temperature of the air streams in ducts and plenums. This sensor is encased in an 8' long bendable copper sheath and senses the temperature at four points along the 8' length. This sensor is used as an optional device on units with 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"> Mechanical Cooling Allowed 	<ul style="list-style-type: none"> When installed upstream of the cooling coils, allows mechanical cooling if free cooling cannot maintain set point
<ul style="list-style-type: none"> Mixed Air Set Point 	<ul style="list-style-type: none"> Free cooling mixed air set point when economizer mode is enabled
<ul style="list-style-type: none"> Display Mixed Air Temperature 	<ul style="list-style-type: none"> Used as diagnostic/service help to troubleshoot and diagnose economizer operation

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
<ul style="list-style-type: none"> Number of Sensing Points 	<ul style="list-style-type: none"> 4 Sensors

Ordering Information

MODEL NUMBER	DESCRIPTION
ACP-A-8'	8 ft Mixed Air Temperature Sensor (10K Ohm, Type II)