



TEMPERATURE

OSA THERMISTOR AND RTD SENSORS

ACI OSA SERIES

DESCRIPTION

The **ACI Series OSA Thermistor and RTD Sensors** are designed specifically for HVAC system temperature control. The OSA sensors come in thermistor and RTD sensor curves compatible with most BAS systems available today. OSA sensors mount in a NEMA 4 box with weather shield and easy-mount tabs.

The **ACI OSA Sensor** should be located on an outside wall facing north in the northern hemisphere. Using the tabs on the box, mount to the exterior wall using screws appropriate for the wall construction.

FEATURES

- $\pm 0.36^{\circ}\text{F}$ (0.2°C) accuracy
- Five-year warranty
- Wide selection of thermistor or RTD curves
- Stainless steel probes
- Weather tight Housing

SPECIFICATIONS

Accuracy

Thermistor $\pm 0.36^{\circ}\text{F}$ (0.2°C)

RTD $\pm 0.5^{\circ}\text{F}$ (0.28°C)

Sensor Type

Thermistor 10 k Ω Type II & III, 20 k Ω , 100 Ω

RTD 100 Ω , 1000 Ω 385 curve

Temperature Range -40° to 194°F (-40° to 90°C)

Stability

Thermistor 0.24°F (0.13°C) over five years

RTD $< \pm 0.1^{\circ}\text{C}$ drift

Heat Dissipation

Thermistor, 3 mW/ $^{\circ}\text{C}$ (power needed to raise the temperature by 1°C)

Enclosure Rating NEMA 3R, Plastic

Wiring Terminations 10" of 22 AWG wire or terminal strip

Weight 0.68 lb (0.31 Kg)

Approvals CE, RoHs

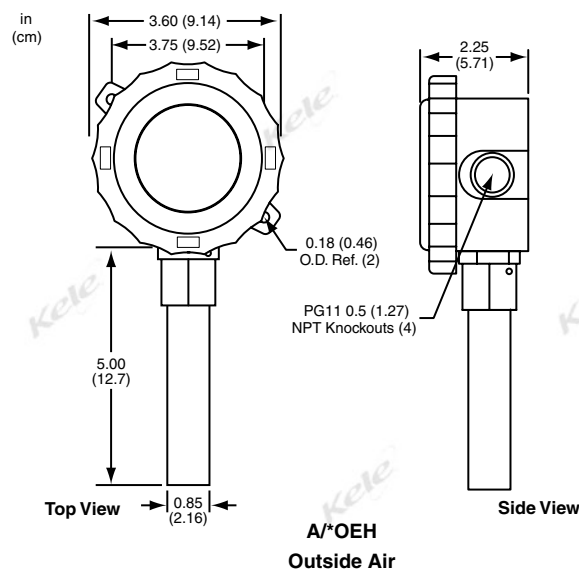
Warranty 5 years



A/ANOEH



DIMENSIONS



ORDERING INFORMATION

MODEL

A/ANOEH

A/CPOEH

A/20KOEH

A/1002WOEH

A/1K2WOEH

DESCRIPTION

OSA Temperature sensor 10 k Ω type III thermistor plastic enclosure

OSA Temperature sensor 10 k Ω type II thermistor plastic enclosure

OSA Temperature sensor 20 k Ω type IV thermistor plastic enclosure

OSA Temperature sensor 100 Ω RTD 385 curve plastic enclosure

OSA Temperature sensor 1 k Ω RTD 385 curve plastic enclosure

RELATED PRODUCTS

T81U-XR

T85U-XR

UR

100 ohm, Type 81 4-20 mA temperature transmitter, custom rangeable

1000 ohm, Type 85 4-20 mA temperature transmitter, custom rangeable

Moisture-resistant three-wire butt splice