



TEMPERATURE

IMMERSION THERMISTOR AND RTD SENSORS

ACI IMMERSION SERIES

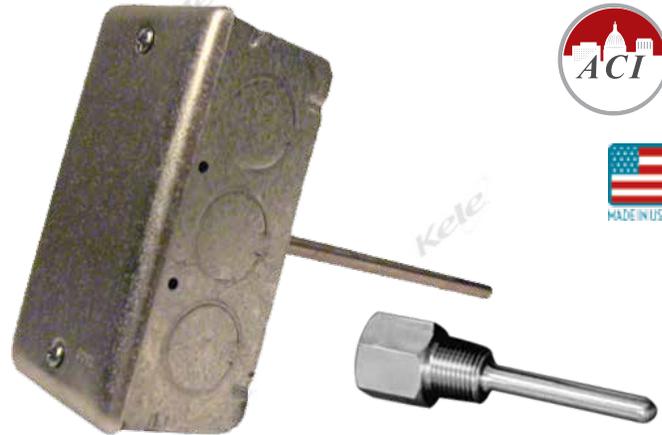
DESCRIPTION

The **ACI Immersion Series Thermistor and RTD Immersion Sensors** are designed specifically for HVAC system temperature control. The immersion sensors come in thermistor and RTD sensor curves compatible with most BAS systems available today.

The **ACI Immersion Sensor** threads into a 1/2" (1.27 cm) well (included), which is secured into the pipe to a customer-supplied 1/2" saddle or Thredolet®. The probe is tight fitting for accurate readings. Faster response can be achieved by using TCC-12 thermal conductive compound at the bottom of the well.

FEATURES

- Five-year warranty
- Wide selection of thermistor or RTD curves
- Stainless steel probes



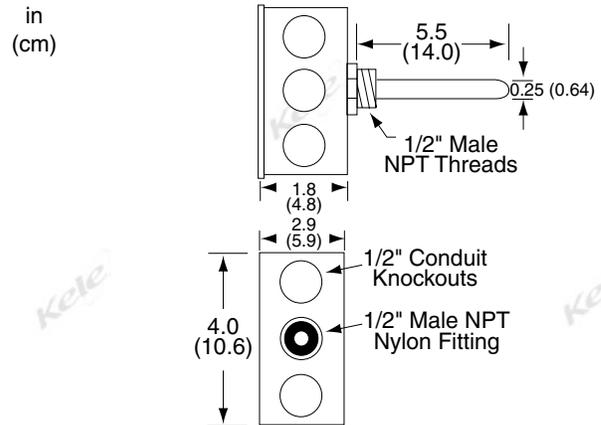
A/AN-I-4-GD



SPECIFICATIONS

Accuracy	
Thermistor	±0.36°F (0.2°C)
RTD	±0.50°F (0.28°C)
Sensor Type	
Thermistor	10 kΩ Type II & III, 20 kΩ, 100 kΩ
RTD	100Ω, 1000Ω 385 curve
Temperature Range	
Stability	-40° to 302°F (-40° to 150°C)
Stability	
Thermistor	±0.24°F (0.13°C) over five years
RTD	<±0.1°C drift
Heat Dissipation	
Thermistor	3 mW/°C (power needed to raise the temperature by 1°C)
Enclosure Rating	
Wiring Terminations	NEMA 1, Galvanized metal box
Weight	10" of 22 AWG wire or terminal strip
Approvals	1.0 lb (0.45 Kg)
Warranty	RoHS, CE
	5 years

DIMENSIONS



A/*-I-X-GD
Immersion

ORDERING INFORMATION

MODEL	DESCRIPTION
A/AN-I-4-GD	Immersion 10 kΩ type III thermistor with stainless well and 4" (10.1 cm) insertion
A/CP-I-4-GD	Immersion 10 kΩ type II thermistor with stainless well and 4" (10.1 cm) insertion
A/20K-I-4-GD	Immersion 20 kΩ type IV thermistor with stainless well and 4" (10.1 cm) insertion
A/100-2W-I-4-GD	Immersion 100Ω RTD 385 curve with stainless well and 4" (10.1 cm) insertion
A/1K-2W-I-4-GD	Immersion 1 kΩ RTD 385 curve with stainless well and 4" (10.1 cm) insertion

RELATED PRODUCTS

A/4	ACI brass thermowell
T81U-XR	100 ohm, Type 81 4-20 mA temperature transmitter, custom rangeable
T85U-XR	1000 ohm, Type 85 4-20 mA temperature transmitter, custom rangeable
TCC-111	Thermal conductive compound 111 ml tub
TCC-12	Thermal conductive compound tube, 12 ml
UR	Moisture-resistant three-wire butt splice