

TEMPERATURE

ROOM THERMISTOR AND RTD SENSORS ACI ROOM SERIES



DESCRIPTION

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

Room sensors are vented for indoor use with options that include setpoint adjust, push-button override, communication jacks, and display. The **ACI Room Sensor** should be mounted approximately 5' (12.7 cm) above the floor. It can be mounted to a standard back box or directly to the wall using appropriate anchors for the wall covering.

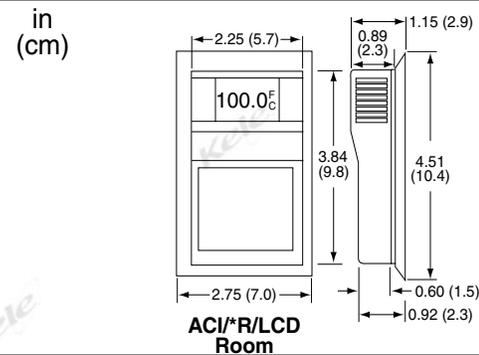
SPECIFICATIONS

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	
Thermistor	32° to 122°F (0° to 50°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	
	NEMA 1, Plastic
Mounting	
	Direct to wall or single gang box
Wiring Terminations	
	10" (0.25m) of 22 AWG wire or terminal strip
Weight	
	0.12 lb (0.05 Kg)
Approvals	
	CE, RoHs
Warranty	
	5 years

FEATURES

- ±0.36°F (0.2°C) accuracy
- Five-year warranty
- Wide selection of thermistor or RTD curves
- Delta-style room enclosure
- Digital display option
- Custom logos

DIMENSIONS



ORDERING INFORMATION

MODEL	DESCRIPTION
A/AN	10,000W thermistor @ 77°F (25°C) (ACI/10AN), Type 3
A/CP	10,000W thermistor @ 77°F (25°C) (ACI/10CP), Type 2
A/20K	20,000W thermistor @ 77°F (25°C) (ACI/20,000), Type 42
A/100K	100KΩ thermistor @ 77°F (25°C)
A/100-2W	100W RTD @ 32°F (0°C), two-wire 385 curve, Type 85
A/1K-2W	1000W RTD @ 32°F (0°C), two-wire 385 curve, Type 85
MOUNTING CONFIGURATION	
R	Room mounted
RO	Room with override
RS	Room with setpoint
RSO	Room with setpoint & override
OPTIONS (RS, RSO ONLY)*	
10KCWRA	Adjust pot (0 to 10kΩ); cool warm, reverse acting
10KCWDA	Adjust pot (0 to 10kΩ); cool warm, direct acting
1KCWRA	Adjust pot (0 to 1kΩ); cool warm, reverse acting
Display (R only)	
DF	3.5 digit Fahrenheit display; 24 VAC/VDC

Example: A/AN-RS-10KCWRA-DF
ACI 10,000W thermistor, Type 3 Room with setpoint, 0 to 10kΩ, cool warm, reverse acting with 3.5 digit LCD Fahrenheit display

RELATED PRODUCTS

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
UR	Moisture-resistant three-wire butt splice