

### **Product Description**

The A/100 and A/1K Series temperature sensors incorporate a Class A, Thin Film Platinum RTD sensor which conforms to DIN-IEC-751 platinum RTD standards. These sensors are available in either two or three-wire configurations, incorporating high accuracy and interchangeability throughout a wide operating temperature range.

These units are offered in Room, Room with Set Point, Room with Override, Room with Setpoint and Override, and Room with Setpoint, Override, and RJ11 Jack, Stainless Steel Duct and Duct without Box, Immersion, Stainless Plate, Raw, Bendable Copper / Continuous Element and Stainless Steel Rigid Averaging, Strap-On, Bullet Probe and Outdoor Air Configurations.

All ACI Room sensors may be ordered with an optional setpoint (see chart on the following page), override, or with a 4 pin RJ11 or 6 pin RJ12 communication jack with terminal blocks, for remote programming. These units are also available with a 1/8" RS232 Stereo Jack.

All ACI Temperature Sensors have a limited five year warranty.

1 Toduct Specifications	
Output	100 Ohms @ 32°F (0°C)
	1K Ohms @ 32°F (0°C)
Accuracy	+/- 0.06% @ 32°F (0°C) Single Point
	+/- 1.0 Ohm @ 70°F (Averaging)
Stability	less than +/- 0.1°C drift
Repeatability	+/-0.2°C (+/-0.36°F)
<b>Operating Temp Range:</b>	
Single Point	-58 to 392°F (-50 to 200°C)
Continous Element Averaging	-50 to 275°F (-45.5 to 134.8°C)
Temp. Coefficient	0.00385 Ohm/Ohm/°C
Standardization	DIN-IEC-751(formerly DIN 43760)
Resistance	+/- 0.06% Class A (Standard)
Characteristics	+/- 0.12% Class B (Averaging)
For sensors with Display option, see the LCD Series cut sheet	

# Product Specifications

Wiring Diagrams available at www.workaci.com/instructions.htm C0000100 Rev 1.pdf



## A/100 Series A/1K Series **Platinum RTD Temperature** Sensors

RTD



#### Attributes:

- Double Potting Process to avoid Moisture Issues
- European enclosure for outside air
- Class A Standard exceeds most specifications
- Four-way Airflow design for wall mount
- Can be used with a transmitter to provide a 4 to 20mA signal
- Continuous Element **Averaging Sensors**
- **Applications:**
- DDC Systems
- Refrigeration Systems
- OEM / Industrial
- Light Industrial



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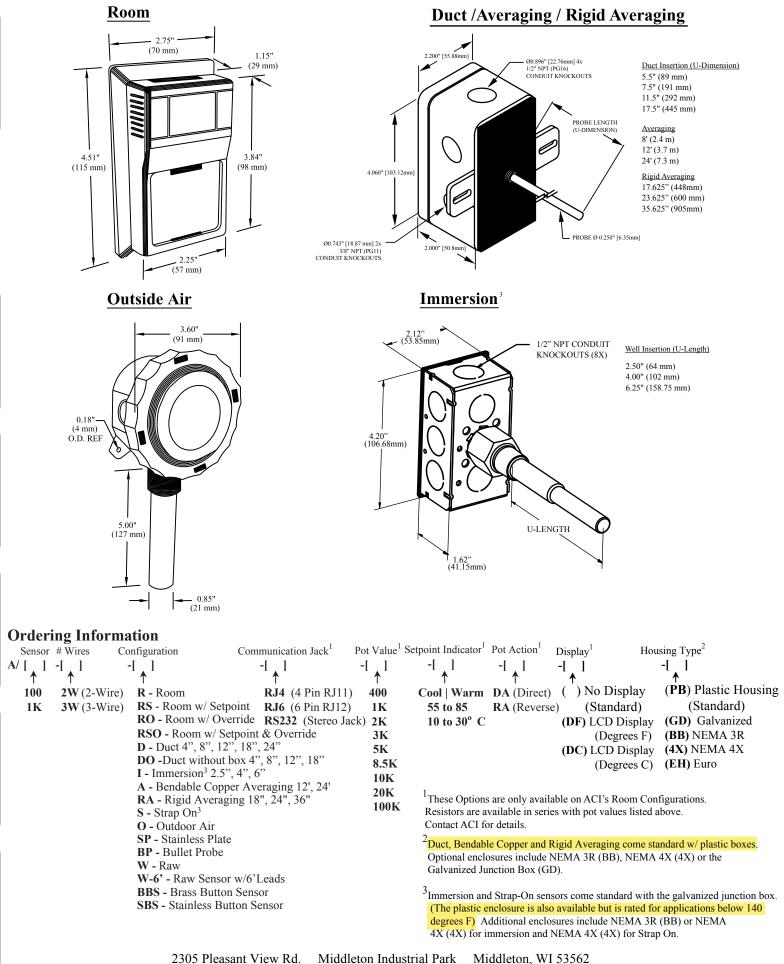
ACCESSORIES

**TE-3** 

RELATIVE HUMIDITY

PRESSURE

CURRENT



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# DISPLAYS

TEMPERATURE

**RELATIVE HUMIDITY** 

ACCESSORIES