

Product Data

A/AN Series A/CP Series A/3K Series A/1.8K Series A/20K Series

Temperature Sensor

Product Description

The A/10K-AN (Type III), A/10K-CP (Type II), A/3K, A/1.8K and A/20K Series temperature sensors are thermistor type sensors. These sensors provide a predictable output over a specified temperature range to meet each manufacturer's required input values. (See www.workaci.com for complete curve chart specifications)

These units are offered in Room, Room with Setpoint, Room with Override, Room with Setpoint and Override, and Room w/ Setpoint, Override, and RJ11 Jack, Stainless Steel Duct and Duct without Box, Immersion, Stainless Plate, Raw, Bendable Copper and Stainless Steel Rigid Averaging, Strap-On, Bullet Probe, Button Sensor, 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.

These products are covered by ACI's Five (5) Year Limited Warranty, which is located in the front of ACI'S SENSORS & TRANSMITTERS CATALOG or can be found on ACI's web site, which is: www.workaci.com.

Product Specifications

Sensor Output	10K Ohms @ 77°F (25°C) Type III 10K Ohms @ 77°F (25°C) Type II 3K Ohms @ 77°F (25°C) 1.8K Ohms @ 77°F (25°C)
Accuracy (0 to 70°C)	20K Ohms @ 77°F (25°C) +/-0.2°C (+/-0.36°F)
Stability (0 to 70 C)	+/- 0.13°C (0.23°F)
Operating Temperature Range	-40 to 302°F (-40 to 150°C)
Operating Humidity	0 to 90% RH non-condensing
Interchangeability	+/- 0.2°C (+/-0.36°F)
Power Dissipation Constant	3 mW / °C
For sensors with Display option, see LCD Series Temp display cut sheet	

Thermistor



Attributes

- Offer high accuracy and interchangeability over a wide temperature range.
- Higher resistance output relative to Platinum RTD's
- Non-polarity sensitive
- CE approval for thermistors except for:
 - Averaging sensors
 - LCDs and units that have leads longer than 3 meters

Applications

- OEM / Industrial
- Light Industrial
- DDC Systems



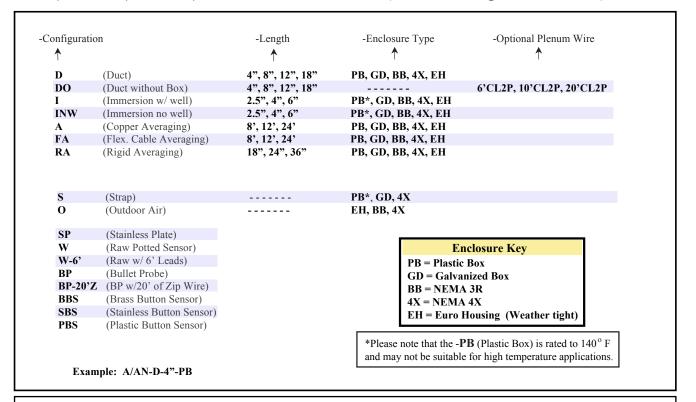
Automation Components, Inc. 2305 Pleasant View Rd. Middleton, WI 53562 PH: (608) 831-2585 FAX: (608) 831-7407

Wiring Diagrams available at www.workaci.com

Ordering Information

AN=type III CP=type II

A/AN, A/CP, A/3K, A/1.8K or A/20K (choose configuration below)



Room configurations:

