



# THERMISTORS

## General Mounting

We offer a comprehensive selection of general mounting configurations for Thermistors (see list above). These sensors provide a predictable and accurate output over the specified temperature range. Each sensor configuration is designed and manufactured for long-term quality and performance. Our OEM, ACI, incorporates standard features such as double encapsulation, and etched Teflon leads where applicable.

The Thermistor Series is covered by an industry-leading Five (5) year warranty, which can be found on our OEM's web site, which is [www.workaci.com](http://www.workaci.com).

## SPECIFICATIONS

<b>Accuracy (0-70°C)</b>	Single Point: $\pm 0.2^{\circ}\text{C}$ ( $\pm 0.36^{\circ}\text{F}$ )
<b>Stability</b>	$\pm 0.13^{\circ}\text{C}$ ( $\pm 0.23^{\circ}\text{F}$ )
<b>Interchangeability</b>	$\pm 0.2^{\circ}\text{C}$ ( $\pm 0.36^{\circ}\text{F}$ )
<b>Operating Temperature Range</b>	-40 to 302°F (-40 to 150°C)
<b>Sensor Output [R/AN]</b>	10KΩ @ 77°F (Type III)

<b>Power Dissipation Constant</b>	3 mW/°C
<b>Operating Humidity</b>	10 to 95% RH non-condensing
<b>Product Dimensions</b>	Please reference pages 5, 6, 7 & 8

## ORDERING

Select one Series (A), one Configuration (B), one Length (C), one Enclosure (D) & one Lead Wire (E) (optional). **NOTE:** See Thermowell data sheet for proper well selection for all Immersion related sensors. Enclosure options (D) include Plastic Box (PB), Galvanized Box (GD), NEMA 3R (BB), NEMA 4X (4X), & Euro Housing (EH). The Plastic Box (PB) is rated from 0 to 203°F. Stay within the same row throughout the selection process for all General Mounting pages. ▶

## A Sensor Series

☐ R/AN

## B Configuration

## C Length

## D Enclosure

## E Lead Wire

<input type="radio"/> D (Duct) ▶	<input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 8" <input type="radio"/> 12" <input type="radio"/> 18" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> DO (Duct w/o Box) ▶	<input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 8" <input type="radio"/> 12" <input type="radio"/> 18" ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> PO (Probe Only) ▶	<input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 8" <input type="radio"/> 12" <input type="radio"/> 18" ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> 6'CL2P <input type="radio"/> 10'CL2P <input type="radio"/> 20'CL2P
<input type="radio"/> I (Immersion, Two Piece Well) ▶	<input type="radio"/> 2.5" <input type="radio"/> 4" <input type="radio"/> 6" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> IM (Immersion, Machined Well) ▶	<input type="radio"/> 1" <input type="radio"/> 2.5" <input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 12" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> INW (Immersion w/o Well) ▶	<input type="radio"/> 2.5" <input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 12" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> A (Copper Averaging) ▶	<input type="radio"/> 8' <input type="radio"/> 12' <input type="radio"/> 24' <input type="radio"/> 50' ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> FA (Flexible Cable Averaging) ▶	<input type="radio"/> 8' <input type="radio"/> 12' <input type="radio"/> 24' <input type="radio"/> 50' ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> RA (Rigid Averaging) ▶	<input type="radio"/> 18" <input type="radio"/> 24" <input type="radio"/> 36" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> S (Strap) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> ---- <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> O (Outdoor Air) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- <input type="radio"/> ---- <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> W (Raw Potted Sensor) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> W-6' (Raw w/6' Leads) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> BP (Bullet Probe, Plenum Cable) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> 6'CL2P <input type="radio"/> 10'CL2P <input type="radio"/> 20'CL2P
<input type="radio"/> BP (Bullet Probe, Teflon leads) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> BP-20'Z (BP, 20' Zip Wire) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> ---- (N/A)

## BUILD PART NUMBER

After completing (A), (B), (C), (D) & (E) from the above table, fill in the "Part Number Table" below. An example part number is offered.

A	B	C	D	E
EXAMPLE: R/AN	D - 4"	PB		

The Plastic Box has a UL94-HB rating. The NEMA 4X enclosure has a UL94-V2 flammability rating. The Euro Housing enclosure has a UL94-V0 flammability rating. CE exception: Averaging units and any other configuration with leads longer than 3 meters.

