

# THERMISTOR

General Mounting



Quick snap latch

Hinged cover (no screws)

Product shown: ACI's Plastic Box



CE exception: Averaging units and any other configuration with leads longer than 3 meters.

Double encapsulation process for all probe related sensors

### CONFIGURATION

Part #	Configuration
( D )	Duct
( DO )	Duct w/o box
( I )	Immersion w/ fabricated well
( IM )	Immersion w/ machined well
( INW )	Immersion w/o well
( A )	Copper Averaging
( FA )	Flex. Cable Averaging
( RA )	Rigid Averaging
( S )	Strap
( O )	Outdoor Air
( W )	Raw Potted Sensor
( W-6' )	Raw w/6' Leads
( BP )	Bullet Probe
( BP-20'Z )	BP w/20' of Zip Wire

### SENSOR OUTPUTS

Part #	Output
A/AN	10K Ohms @ 77°F (25°C) (Type III)
A/CP	10K Ohms @ 77°F (25°C) (Type II)
A/3K	3K Ohms @ 77°F (25°C)
A/1.8K	1.8K Ohms @ 77°F (25°C)
A/20K	20K Ohms @ 77°F (25°C)
A/100KS	100K Ohms @ 77°F (25°C)
A/10KS	10K Ohms @ 77°F (25°C)
A/2252	2252 Ohms @ 77°F (25°C)
A/CSI	10K Ohms @ 77°F (25°C)
A/AN-BC	10K Ohms with 11K Shunt
A/10KE	10K Ohms @ 77°F (25°C)
A/10KE1	10K Ohms @ 77°F (25°C)

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ACI offers a comprehensive list of general mounting configurations (see list above). The most prominent enclosure of this series is the ACI Plastic Box. It features a robust design and advanced features not typically found in a standard sensor enclosure. Each sensor configuration is designed and manufactured for long-term quality and performance.

The ACI Thermistor Series is 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](http://www.workaci.com).



Made in the U.S.A.

# THERMISTOR

Automation Components, Inc.



General Mounting

## SPECIFICATIONS

Accuracy	Single Point: $\pm 0.2^{\circ}\text{C}$ ( $\pm 0.36^{\circ}\text{F}$ )
Stability	$\pm 0.13^{\circ}\text{C}$ ( $\pm 0.23^{\circ}\text{F}$ )
Interchangeability	$\pm 0.2^{\circ}\text{C}$ ( $\pm 0.36^{\circ}\text{F}$ )
Operating Temperature Range	-40 to 302°F (-40 to 150°C)
Power Dissipation Constant	3 mW/°C
Operating Humidity	10 to 95% RH non-condensing

## ORDERING

BUILD YOUR PART#

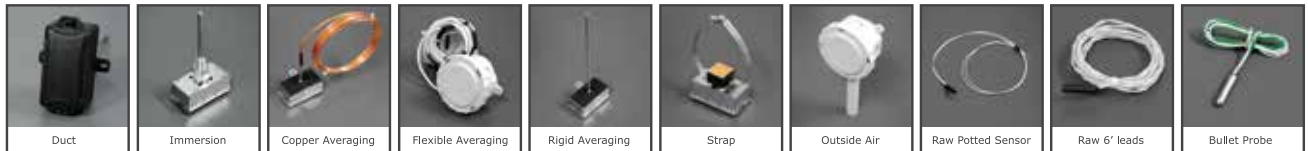
EXAMPLE

A/CP - D - 4" - PB - ----

A B C D E

STEP 1	A SENSOR SERIES	B CONFIGURATION	C LENGTH	D ENCLOSURE	E LEAD WIRE
<p>Select sensor series, configuration, length, enclosure &amp; lead wire if needed.</p> <p>The orange outlines indicate related characteristics</p> <p>*See Thermowell data sheet for proper well selection for all Immersion related sensors.</p>	A/AN	( D ) Duct	4", 6", 8", 12", 18"	PB, GD, BB, 4X, EH	(----)
	A/CP	( DO ) Duct w/o box	4", 6", 8", 12", 18"	(----)	6'CL2P, 10'CL2P, 20'CL2P
	A/3K	( I )* Immersion w/ fabricated well	2.5", 4", 6"	PB*, GD, BB, 4X, EH	(----)
	A/1.8K	( IM )* Immersion w/ machined well	2.5", 4", 6"	PB*, GD, BB, 4X, EH	(----)
	A/20K	( INW ) Immersion w/o well	2.5", 4", 6"	PB*, GD, BB, 4X, EH	(----)
	A/100KS	( A ) Copper Averaging	8', 12', 24', 50'	PB, GD, BB, 4X, EH	(----)
	A/10KS	( FA ) Flex. Cable Averaging	8', 12', 24'	PB, GD, BB, 4X, EH	(----)
	A/2252	( RA ) Rigid Averaging	18", 24", 36"	PB, GD, BB, 4X, EH	(----)
	A/CSI	( S ) Strap	(----)	PB*, GD, --, 4X, --	(----)
	A/AN-BC	( O ) Outdoor Air	(----)	--, --, BB, 4X, EH	(----)
	A/10KE	( W ) Raw Potted Sensor	(----)	(----)	(----)
	A/10KE1	( W-6' ) Raw w/6' Leads	(----)	(----)	(----)
		( BP ) Bullet Probe	(----)	(----)	6'CL2P, 10'CL2P, 20'CL2P
		( BP-20'Z ) BP w/20' of Zip Wire	(----)	(----)	(----)

### CONFIGURATION OPTIONS (Table B)



### ENCLOSURE OPTIONS (Table D) available options shown on the same line as their corresponding configurations

( 4X )	NEMA 4X
( BB )	NEMA 3R
( GD )	Galvanized Box
( EH )	Euro Housing (weather tight)
( PB )	Plastic Box

\*The ACI plastic box (PB) is rated for application environments ranging from -4 to 196°F (-20 to 91°C), the box is shown with an immersion adapter.



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.