



Automation Components, Inc.

# THERMISTOR

Wall Mount

Great airflow

Sleek, modern design

Customizable logo option



Product shown: ACI's Standard Room Enclosure



H: 4.50" W: 2.75" D: 1.12"

CONFIGURATION	
Part #	Configuration
R2	Room
R2S	Room with Setpoint
R2O	Room with Override
R2SO	Room with Setpoint & Override
SP	Stainless Plate
BBS	Brass Button Sensor
SBS	Stainless Button Sensor
PBS	Plastic Button Sensor

SENSOR OUTPUTS	
Part #	Output
A/AN	10K Ohms @ 77° (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	1.8 K 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)

## THERMISTOR

ACI offers a comprehensive list of room mounting configurations (see list above). The most prominent of the series is the R2 (Aries) wall mount enclosure which features a sleek and modern design. ACI still offers the original version (Infinity) for replacements and retrofits. The ACI Button Series is an unobtrusive option for unique applications.

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.

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## 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	32 to 122°F (0 to 50°C)
Power Dissipation Constant	3 mW/°C
Operating Humidity	10 to 90% RH non-condensing





## ORDERING (Room Sensors)

**BUILD YOUR PART#**

EXAMPLE

A/AN - R2S - ---- - 1K - Blue Red - DA

A B C D E F

STEP 1	A SENSOR SERIES	B CONFIGURATION	C COMMUNICATION
Select sensor series, configuration and communication if needed.	A/AN A/CSI	( R2 ) Room	( RJ4 )
	A/CP A/AN-BC	( R2S ) Room w/ Setpoint	( RJ6 )
	A/3K A/10KE	( R2O ) Room w/ Override	( RS232 )
	A/1.8K A/10KE1	( R2SO ) Room w/ Setpoint, Override	( ---- )
	A/20K	( R ) *Room	 R2
	A/100KS	( RS ) *Room w/ Setpoint	 Setpoint
	A/10KS	( RO ) *Room w/ Override	 Override
A/2252	( RSO ) *Room w/ Setpoint, Override	 Setpoint, Override	
		*Previous Enclosure Design	

The R2 & R enclosures have a UL94-HB flammability rating.

STEP 2	D POT VALUE*	E STICKER	F POT ACTION
If a (R2S) or (R2SO) was selected, choose a pot value, sticker and a pot action.	( 400 ) ( 8.5 )	Blue Red	( DA ) Direct
	( 1K ) ( 10K )	Cool Warm	( RA ) Reverse
	( 2K ) ( 20K )	55 85	
	( 5K ) ( 100K )	10 30C	

\*Offset resistors are available, please inquire.

## ORDERING (Stainless Plate or Button Sensors)

**BUILD YOUR PART#**

EXAMPLE

A/CP - BBS

A B

STEP 1	A SENSOR SERIES	B CONFIGURATION
Select sensor series and configuration.	A/AN A/20K A/CSI	( SP ) Stainless Plate
	A/CP A/100KS A/AN-BC	( BBS ) Brass Button Sensor
	A/3K A/10KS A/10KE	( SBS ) Stainless Button Sensor
	A/1.8K A/2252 A/10KE1	( PBS ) Plastic Button Sensor

