Thermistor R2 Enclosure (Aries)

Room with Setpoint & Override

Room

Room, Setpoint

Room, Override

Room (Infinity)

Room, Setpoint

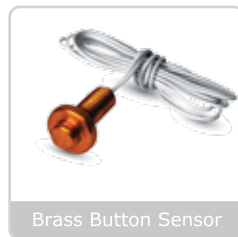Room, Override

Room, Setpoint, Override

Stainless Plate

Stainless Plate, Override

Brass Button Sensor

Stainless Button Sensor

Plastic Button Sensor

Thermistors

Wall Mounting

ACI offers a comprehensive list of wall 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. The most prominent of the series is the R2 wall mount enclosure which features a sleek and modern design. 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. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, www.workaci.com.

Temperature

Specifications ▼

Accuracy (0-70ºC)	Single Point: +/-0.2ºC (+/-0.36ºF)	**Setpoint Tolerance**	+/- 10% of the range
Stability	+/-0.13ºC (+/-0.23ºF)	**Power Dissipation Constant**	3 mW/ºC
Interchangeability	+/-0.2ºC (+/-0.36ºF)	**Operating Humidity Range**	0 to 90% RH non-condensing
Operating Temperature Range	32 to 122ºF (0 to 50ºC)	**Product Dimensions**	Please reference pages 7 & 8
PBS Housing Material	ABS Compound (low smoke)		

Ordering ▼

Select one Series (A), one Enclosure (either Aries or Infinity) (B), & one Communication Jack (C). When selecting your Configuration (B) if "R2S", "RS", "RSO" or "R2SO" please choose a Pot Value (D), an Offset Resistor (E), Sticker (F) & a Pot Action (G). If "R2S", "RS", "RSO" or "R2SO" is not selected, your Part Number is finished after completing Communication (C). If a Stainless Plate or Button Sensor (1) is desired, please add a Stainless Plate (SP), Brass Button Sensor (BBS), Stainless Button Sensor (SBS), or a Plastic Button Sensor (PBS) to the separate Part Number below **NOTE:** Sections (D) through (G) are for internal references and will not be displayed in your final part number.

A Room Sensor Series | **B Aries Enclosure** | **Infinity Enclosure** | **C Communication**

A			B / Aries	Infinity	C
○ **A/AN** (Type III)	○ **A/20K**	○ **A/CSI**	○ **R2** (Room)	○ **R** (Room)	○ **RJ4** (4 Pin/Conductor)
○ **A/CP** (Type II)	○ **A/100KS**	○ **A/AN-BC**	○ **R2S** (Room, Setpoint)	○ **RS** (Room, Setpoint)	○ **RJ6** (6 Pin/Conductor)
○ **A/3K**	○ **A/10KS**	○ **A/10KE**	○ **R2O** (Room, Override)	○ **RO** (Room, Override)	○ **RS232** (Stereo Jack)
○ **A/1.8K**	○ **A/2252**	○ **A/10KE1**	○ **R2SO** (Room, Setpoint, Override)	○ **RSO** (Room, Setpoint, Override)	○ **----** (No Jack)

D Pot Value | **E Offset Resistor** | **F Sticker** | **G Pot Action**

D		E			F	G
○ **400**	○ **8.5K**	○ **0Ω** (Default)	○ **1KΩ**	○ **7.32K**	○ **Blue/Red**	○ **DA** (Direct)
○ **1K**	○ **10K**	○ **499Ω**	○ **2KΩ**	○ **8.25K**	○ **Cool/Warm**	○ **RA** (Reverse)
○ **2K**	○ **20K**	○ **806Ω**	○ **4.99K**	○ **10K**	○ **55 to 85ºF**	
○ **5K**	○ **100K**	○ **910Ω**	○ **6.19K**	○ **20K**	○ **10 to 30ºC**	

1 Sensor Series | **2 Additional Configuration**

1			2		
○ **A/AN**	○ **A/20K**	○ **A/CSI**	○ **SP** (Stainless Plate)	○ **BBS** (Brass Button Sensor)	○ **PBS** (Plastic Button Sensor)
○ **A/CP**	○ **A/100KS**	○ **A/AN-BC**	○ **SP-OR** (Stainless Plate, Override)	○ **SBS** (Stainless Button Sensor)	
○ **A/3K**	○ **A/10KS**	○ **A/10KE**			
○ **A/1.8K**	○ **A/2252**	○ **A/10KE1**			

Build your part number ▼

After completing (A), (B), (C), (D), (E), (F) & (G) from the above table, fill in the "Part Number Table" below. (1) & (2) are additional configurations. An "example" part number is offered.

A	B	C	D	E	F	G

EXAMPLE: A/AN - R2 - RJ6

1	2

EXAMPLE: A/AN - SP

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