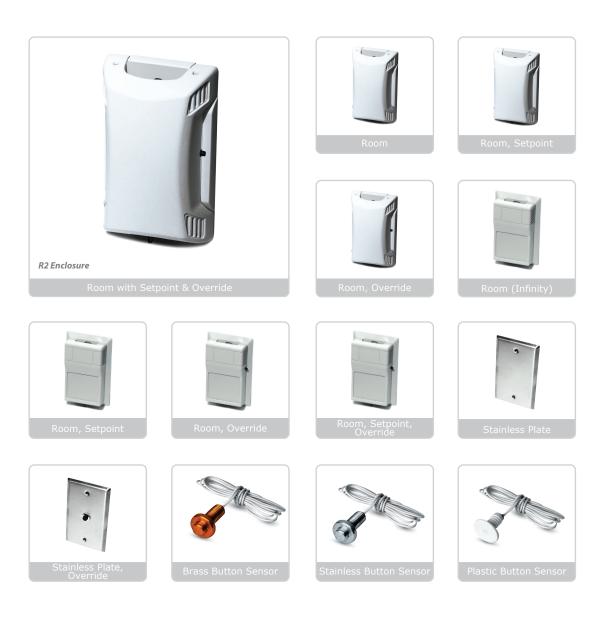


Automation Components, Inc.

TEMPERATURE

THERMISTORS



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. ACI wall mount enclosures offer the option of having a customized logo. Certain minimums, special part numbers, and specific artwork file types may be required. Please contact ACI for further details regarding custom labels. The ACI Button Series is an unobtrusive option for unique applications. This series is offered in brass, stainless steel, and plastic to blend into a wide array of decors.

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.worka-ci.com.

TEMPERATURE

THERMISTORS

Automation Components, Inc.



SPECIFICATIONS

Accuracy (0-70°C)
Stability
Interchangeability
Operating Temperature Range
PBS Housing Material
Sensor Output [A/AN]
Sensor Output [A/CP]
Sensor Output [A/3K]
Sensor Output [A/1.8K]
Sensor Output [A/20K]
Sensor Output [A/100KS]

Single Point: +/-0.2°C (+/-0.36°F) +/-0.13°C (+/-0.36°F) 32 to 122°F (0 to 50°C) ABS Compound (low smoke) 10KΩ @ 77°F (Type III) 10KΩ @ 77°F (25°C) 1.8KΩ @77°F (25°C) 20KΩ @77°F (25°C)

Sensor Output [A/10KS] Sensor Output [A/2252] Sensor Output [A/CSI] Sensor Output [A/AN-BC] Sensor Output [A/10K-E] Sensor Output [A/10K-E1] Setpoint Tolerance Power Dissipation Constant Operating Humidity Range Product Dimensions 10KΩ @77°F (25°C) 2252Ω @77°F (25°C) 10KΩ @77°F (25°C) 10KΩ with 11K Shunt 10KΩ @77°F (25°C) 10KΩ @77°F (25°C) +/- 10% of the range 3 mW/°C 0 to 90% RH non-condensing Please reference pages 7 & 8

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" 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. *Regarding the Sensor Series (1) and Additional Configuration (2), the A/10KS and A/AN-BC are not avilable as PBS.

A Roo	m Sensor S	Series	B Aries Enclosure		Infinity Enclosure		C Communication
 A/AN (1 A/CP (1 A/3K A/1.8K 	$\gamma = \gamma \cup \gamma$	100KS A/AN-BC 10KS A/10K-E	O R2O (R	om) oom, Setpoint) oom, Override Room, Setpoin	O RO (Room		RJ4 (4 Pin/Conductor) RJ6 (6 Pin/Conductor) RS232 (Stereo Jack) (No Jack)
D Pot	Value	E Offset Re	esistor		F Sticker	G Pot Action	
 400 1K 2K 5K 	 8.5K 10K 20K 100K 	 ΟΩ (Default) 499Ω 806Ω 910Ω 	 1KΩ 2KΩ 4.99K 6.19K 	 7.32K 8.25K 10K 20K 	 Blue/Red (R2 Only) Cool/Warm 55 to 85°F 10 to 30°C 	 DA (Direct) RA (Reverse) 	

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

BUILD 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.

