

WALL PLATES

Stainless & Aluminum Wall Plate, Thermistor

The ACI Thermistor Wall Plate Series features a decorative, single gang brushed Stainless Steel or Smooth Satin Finished Anodized Aluminum wall plate with two, 14 inch 22 AWG Etched Teflon colored lead wires to differentiate the different NTC sensor types. The sensors in this series are manufactured using ACI's proven double encapsulation process to eliminate the effects of moisture upon the sensors and to increase the thermal response times using our high quality, thermally conductive epoxy. A foam pad is included to insulate the sensor from thermal drafts within the wall, since they are designed to be mounted over a standard single gang junction box or directly over a hole in the wall with the use of drywall anchors to monitor ambient air temperatures in a space. Tamper Proof mounting screws are available upon request.

Applications: Space Temperature Sensing, Decorative Wall Plate Applications, Tamper Proof Applications, Schools, Gymnasiums

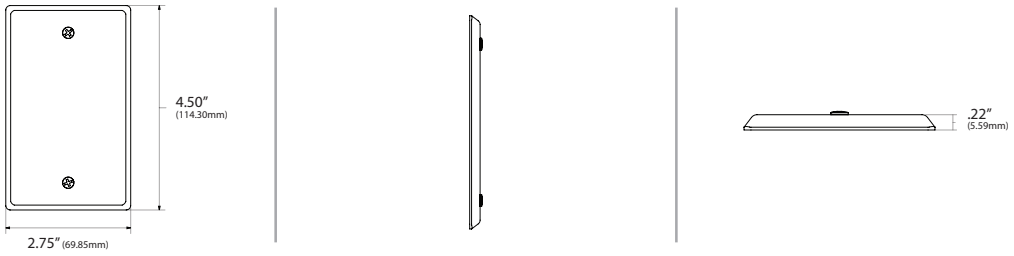
The ACI Thermistor Wall Plate Series is covered by ACI's Five (5) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website.

PRODUCT SPECIFICATIONS

Sensor Type | Sensor Curve:	Thermistor | Non-Linear, NTC (Negative Temperature Coefficient)	
Number Sensing Points:	One	
Number Wires:	Two (Non-Polarity Sensitive)	
Sensor Series Outputs @ 25°C (77°F) | (Lead Wire Colors):	**A/1.8K:** 1.8KΩ nominal | (Red/Yellow)	**A/10KS:** 10KΩ nominal | (White/Blue)
	A/3K: 3KΩ nominal | (White/Brown)	**A/10K-E1:** 10KΩ nominal | (Orange/Gray)
	A/AN (Type III): 10KΩ nominal | (White/White)	**A/20K:** 20KΩ nominal | (Brown/Blue)
	A/AN-BC: 5.238KΩ nominal | (White/Yellow)	**A/50K:** 50KΩ nominal | (Brown/Yellow)
	A/CP (Type II): 10KΩ nominal | (White/Green)	**A/100KS:** 100KΩ nominal | (Black/Yellow)
	A/CSI: 10KΩ nominal | (Green/Yellow)	
Accuracy 0-70°C (32-158°F):	+/-0.2°C (+/-0.36°F) except **A/10K-E1 Series:** +/- 0.3°C (+/-0.54°F)	
	A/1.8K Series: +/- 0.5°C @ 25°C (77°F) and (+/-1.0°C) (+/-1.8°F)	
Stability:	Sensor Dependent; Contact ACI for more information on sensor in question	
Response Time (63% Step Change):	15 Seconds nominal	
Power Dissipation Constant:	3 mW/°C except **A/1.8K Series:** 1 mW/°C | **A/10K-E1 Series:** 2 mW/°C	
Plate Material:	**A/XX-SP Series:** 430 Stainless Steel (Brushed Stainless Steel Finish)	
	A/XX-AP Series: Aluminum (Smooth Satin Finish, Clear Anodized)	
Foam Material | Flammability Rating:	Cross-Linked Polyethylene | FMVSS-302	
Operating | Storage Temperature Range:	-40 to 71°C (-40 to160°F) | -40 to 71°C (-40 to 160°F)	
Operating Humidity Range:	10 to 95% RH, non-condensing	
Lead Length | Conductor Size:	14" (35.56cm) | 22 AWG (0.65mm)	
Lead Wire Insulation | Wire Rating:	Etched Teflon (PTFE) Colored Leads | MIL-W-16878/4 (Type E)	
Conductor Material:	Silver Plated Copper	
Product Dimensions (L x W x D):	4.50" (114.3mm) x 2.78" (70.6mm) x 0.187" (4.76mm)	
Product Weight:	**A/XX-SP Series:** 0.14 lbs. (63.5g) | **A/XX-AP Series:** 0.08 lbs. (36.29g)	
Agency Approvals:	CE, RoHS, WEEE, UKCA	

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DIMENSIONAL DRAWING



Front View | **Right View** | **Top View**

STANDARD ORDERING

Model # Example: A/1.8K-SP -OR- 125491

Model #	Item #	Description
A/1.8K-SP	125491	1.8K Stainless Wall Plate, 14" Leads, 1/8" Foam Pad
A/1.8K-AP	124244	1.8K Aluminum Wall Plate, 14" Leads, 1/8" Foam Pad
A/3K-SP	121084	3K Stainless Wall Plate, 14" Leads, 1/8" Foam Pad
A/3K-AP	132346	3K Aluminum Wall Plate, 14" Leads, 1/8" Foam Pad
A/AN-SP	121727	AN (Type III) Stainless Wall Plate, 14" Leads, 1/8" Foam Pad
A/AN-AP	121330	AN (Type III) Aluminum Wall Plate, 14" Leads, 1/8" Foam Pad
A/AN-BC-SP	121732	AN-BC Stainless Wall Plate, 14" Leads, 1/8" Foam Pad, 11K Shunt
A/AN-BC-AP	132310	AN-BC Aluminum Wall Plate, 14" Leads, 1/8" Foam Pad, 11K Shunt
A/CP-SP	122251	CP (Type II) Stainless Wall Plate, 14" Leads, 1/8" Foam Pad
A/CP-AP	121937	CP (Type II) Aluminum Wall Plate, 14" Leads, 1/8" Foam Pad
A/CSI-SP	122412	CSI Stainless Wall Plate, 14" Leads, 1/8" Foam Pad
A/CSI-AP	142419	CSI Aluminum Wall Plate, 14" Leads, 1/8" Foam Pad
A/10KS-SP	120230	10KS Stainless Wall Plate, 14" Leads, 1/8" Foam Pad
A/10KS-AP	142416	10KS Aluminum Wall Plate, 14" Leads, 1/8" Foam Pad
A/10K-E1-SP	142028	10K-E1 Stainless Wall Plate, 14" Leads, 1/8" Foam Pad
A/10K-E1-AP	142418	10K-E1 Aluminum Wall Plate, 14" Leads, 1/8" Foam Pad
A/20K-SP	120697	20K Stainless Wall Plate, 14" Leads, 1/8" Foam Pad
A/20K-AP	125531	20K Aluminum Wall Plate, 14" Leads, 1/8" Foam Pad
A/100KS-SP	120139	100KS Stainless Wall Plate, 14" Leads, 1/8" Foam Pad
A/100KS-AP	142417	100KS Aluminum Wall Plate, 14" Leads, 1/8" Foam Pad

CUSTOM ORDERING

Model # Example: A/ (A.) | 1.8K (B.) | SP (C.) | OR (D.) | NIST (E.)

		MODEL #
A. Sensor Series *No Selection Required*	**A/** →	**A/**
B. Model Series *Select One (1)*	**1.8K** | **3K** | **AN** | **AN-BC** | **CP** | **CSI** | **10KS** | **10K-E1** | **20K** | **50K** | **100KS**	
C. Configuration *Select One (1)*	**SP** = 1 Gang Stainless Steel Wall Plate | **AP** = 1 Gang Aluminum Wall Plate	
D. Override Options *Select One (1)*	**----** = No Override | **OR** = Override Short Sensor	
E. NIST *Select One (1)*	**----** = No NIST Certificate | **NIST** = NIST Certificate (3 Points)	

ACCESSORIES ORDERING

Model # Example: A/TAMPER PROOF SCREWS -OR- 144865

Model #	Item #	Description
A/TAMPER PROOF SCREWS	144865	Two (2) Screws, Tamper Proof, #6-32 x 5/8", Zinc Plated, Flat Head, 1/8"
SCREWDRIVER INSERT BIT	143067	Screwdriver Insert Bit, Tamper-Resistant 1/8" Hex Bit with 1/4" Hex Shank

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