



WALL PLATES

Stainless & Aluminum Wall Plate, Nickel RTD



The ACI Nickel 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 between the different 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 the plates 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. These plates are designed to provide a level of protection and security when monitoring the ambient air

temperatures in a space. Tamper Proof mounting screws, tamper proof screw driver bits and NIST Certificates are available as referenced on the back of the product data sheet. Please contact ACI for more information regarding the wall mount sensors or to discuss your application in further detail. Other options including override and communication jacks may be available upon request.

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

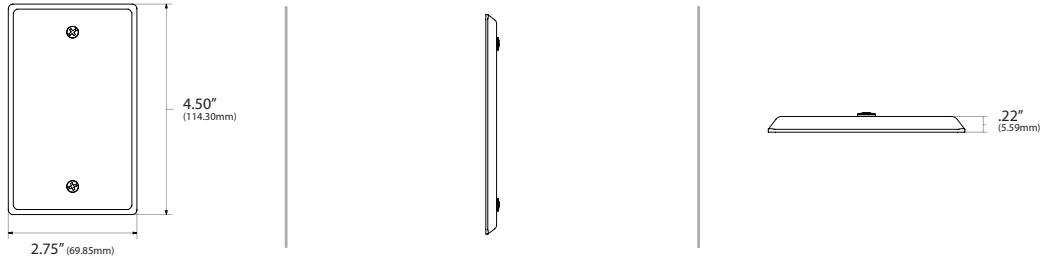
PRODUCT SPECIFICATIONS

Sensor Type Sensor Curve:	Nickel RTD PTC (Positive Temperature Coefficient)
Number Sensing Points:	One
Number Wires:	Two (Non-Polarity Sensitive)
Sensor Output @ 21.1°C (70°F) Lead Wire Colors:	1000 Ohms nominal Red/Red
Sensor Accuracy:	-40°C (-40°F): +/- 1.52°C (+/- 2.73°F) 0°C (32°F): +/- 0.4°C (+/- 0.72°F) 21.1°C (70°F): +/- 0.17°C (+/- 0.34°F) 54.4°C (130°F): +/- 0.56°C (1.00°F)
Din Standard Temperature Coefficient (0-100°C):	Din 43760 6370 ppm/°C
Sensor Stability:	+/- 0.05% after 1000 Hours @ 150°C (302°F)
Response Time (63% Step Change):	25 Seconds nominal
Self-Heating Operating Current (Maximum)	0.3°C/mW (Still Air) 5 mA
Plate Material:	A/1K-NI-SP Series: 430 Stainless Steel (Brushed Stainless Steel Finish) A/1K-NI-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 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/1K-NI-SP Series: 0.14 lbs. (63.5g) A/1K-NI-AP Series: 0.08 lbs. (36.29g)
Agency Approvals:	CE, RoHS2, WEEE





DIMENSIONAL DRAWING



Front View

Right View

Top View

STANDARD ORDERING

Model # Example: A/1K-NI-SP -OR- 120549

Model #	Item #	Description
A/1K-NI-SP	120549	1K Nickel Stainless Wall Plate, 14" Leads, 1/8" Foam Pad
A/1K-NI-AP	120487	1K Nickel Aluminum Wall Plate, 14" Leads, 1/8" Foam Pad

CUSTOM ORDERING

Model # Example: A/ 1K-NI SP NIST
A. B. C. D.

MODEL #

A. Sensor Series No Selection Required	A/		A/
B. Model Series No Selection Required	1K-NI		1K-NI
C. Configuration Select One (1)	SP = 1 Gang Stainless Steel Wall Plate AP = 1 Gang Aluminum Wall Plate		
D. NIST Select One (1)	---- = No NIST Certificate NIST = NIST Certificate (Must Specify 1, 3 or 5 Points)		

ACCESSORIES ORDERING

Model # Example: SCREW, TAMPER PROOF -OR- 105094

Model #	Item #	Description
SCREW, TAMPER PROOF	105094	Screw, Tamper Proof, #6 x 5/8", Zinc Plated, Flat Head, 1/8"
SCREWDRIIVER INSERT BIT	143067	Screwdriver Bit, Tamper Proof Screw, 5/64

