





QUICK CONNECTS

The ACI Thermistor Quick Connect Series features a 1/4" diameter stainless steel probe with a 2 conductor Plenum rated cable and 1/4" Female Insulated Spade Connectors (Quick Connects). The sensors in this series are manufactured using ACI's proven double encapsulation process to eliminate the effects of moisture upon the sensors as well as increased thermal response times using our high quality, thermally conductive epoxy. The duct style sensor is a single point sensor designed to be used in smaller duct applications and includes an insulation pad for properly sealing your duct as well as to dampen vibration. For best results, the sensor length should be determined by the actual width or diameter of your duct such that the tip of the probe is in the approximate center of the duct. On larger ducts, you may want to refer to our Rigid or Bendable Copper Averaging sensor for increased sensing points and better

temperature control. The Thermistor Quick Connect Series can be ordered with optional plenum rated cables, jacket materials and standard lead lengths. Please contact ACI for more information regarding this sensor or to discuss whether it will meet your specific requirements.

Applications: Roof Top Units, Air Handlers, Monitoring Supply/Discharge/Return/Mixed Air Temperatures

The ACI Thermistor Quick Connect 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, www.workaci.com.

Sensor Type Sensor Curve:	Thermistor Non-Linear, NTC (Negative Temperature Coefficient)
Number Sensing Points:	One
Number Wires:	Two (Non-Polarity Sensitive)
Sensor Output @ 25°C (77°F) (Lead Wire Colors):	A/1.8K Series: 1.8KΩ nominal (Red/Yellow)
	A/3K Series: 3KΩ nominal (White/Brown)
	A/AN Series (Type III): 10 K Ω nominal (White/White)
	A/AN-BC Series: 5.238KΩ nominal (White/Yellow)
	A/CP Series (Type II): 10KΩ nominal (White/Green)
	A/CSI Series: 10KΩ nominal (Green/Yellow)
	A/10KS Series: 10K Ω nominal (White/Blue)
	A/10K-E1 Series: 10KΩ nominal (Gray/Orange)
	A/20K Series: 20K Ω nominal (Brown/Blue)
	A/100KS Series: 100KΩ nominal (Black/Yellow)
Sensor 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)
Power Dissipation Constant:	3 mW/°C except A/1.8K Series: 1 mW/°C; A/10K-E1 Series: 2 mW/°C
Stability:	Sensor Dependent; Contact ACI for more information on the sensor in question
Response Time (63% Step Change):	10 Seconds nominal
Operating Temperature Range:	-40 to 115°C (-40 to 239°F)
Storage Temperature Range:	-40 to 85°C (-40 to 185°F)
Operating Humidity Range:	10 to 95% RH, non-condensing
Probe Material Flange Material:	304 Stainless Steel Galvanized Steel
Fitting Material Flammability Rating:	Polyamide 66 (High Performance Nylon) UL94-HB
Foam Pad Material Flammability Rating:	Neoprene/EPDM/SBR Polymer UL94-HBF; FMVSS-302; MIL-R-6130C
Lead Length Conductor Size:	96" (8 ft (2.44m)); 120" (10 ft (3.05m)) or 240" ** (20 ft (6.10m)) 22 AWG (0.65mm)
Lead Wire Insulation Wire Rating:	FEP/FEP Teflon Jacketed Cable
Conductor Material:	Tin Plated Copper
Sensor Connections:	Two, ¼" Insulated Female Quick Connects (Amp® Part# 2-520264-2)
Product Dimensions / Product Weight:	See table on back of Product Data sheet
Probe Diameter:	0.250" (6.35mm)
Agency Approvals:	CE, RoHS2, WEEE





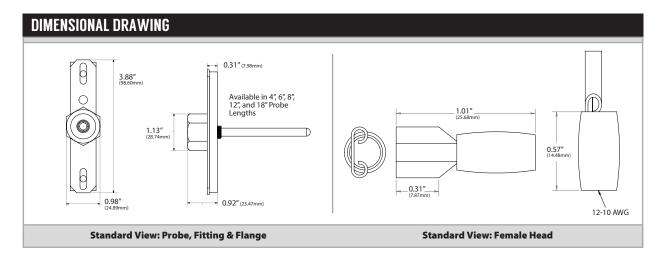


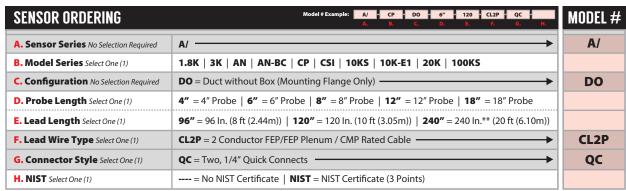




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Note**: The 240" (6.10m) Length is not CE Compliant but it is RoHS Compliant





