

Indoor Air Temperature Sensor

- Stainless Steel Probe
- Plug-in Connector
- 10 ft. Wire Lead
- Included with all SmartZone™ Controllers

The **Indoor Air Temperature Sensor** uses a stainless steel probe designed to sense the air temperature in the supply air plenum for the purpose of controlling the equipment with the SmartZone™ zone controller. When properly installed in the supply air plenum, it provides the SmartZone™ controller with an accurate average temperature of the supply air leaving the plenum. This temperature reading controls equipment staging and protects the equipment with high and low temperature cutouts. Temperature readings from the IAS are displayed on the controller screen.

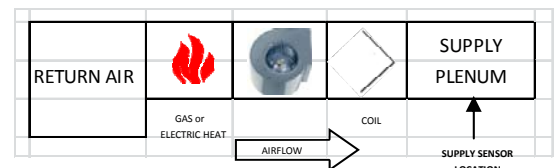
* For more information refer to the SmartZone™ Installation Guide



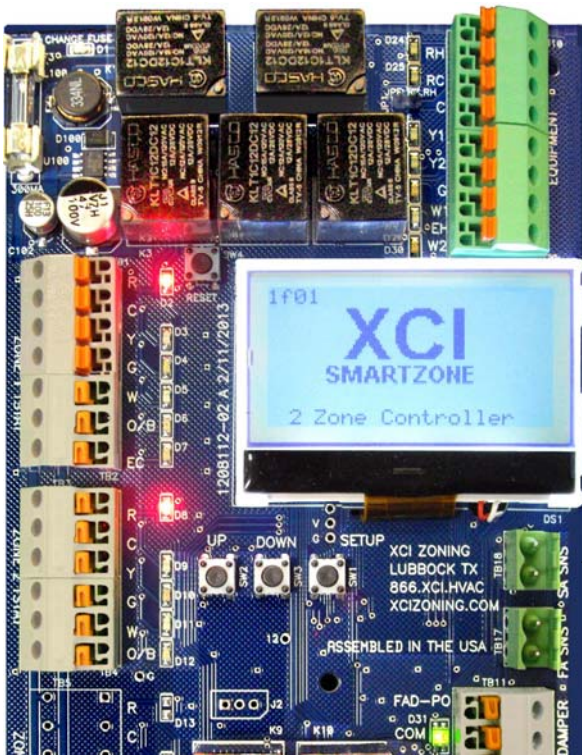
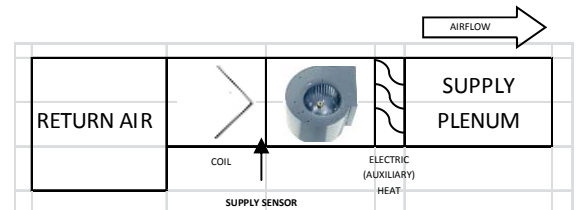
Supply Air Sensor Placement

Gas/Electric - The IAS should be placed in the airstream, 2 to 4 feet beyond the evaporator coil.

Heat Pump with Dual Fuel - Same as Gas/Electric

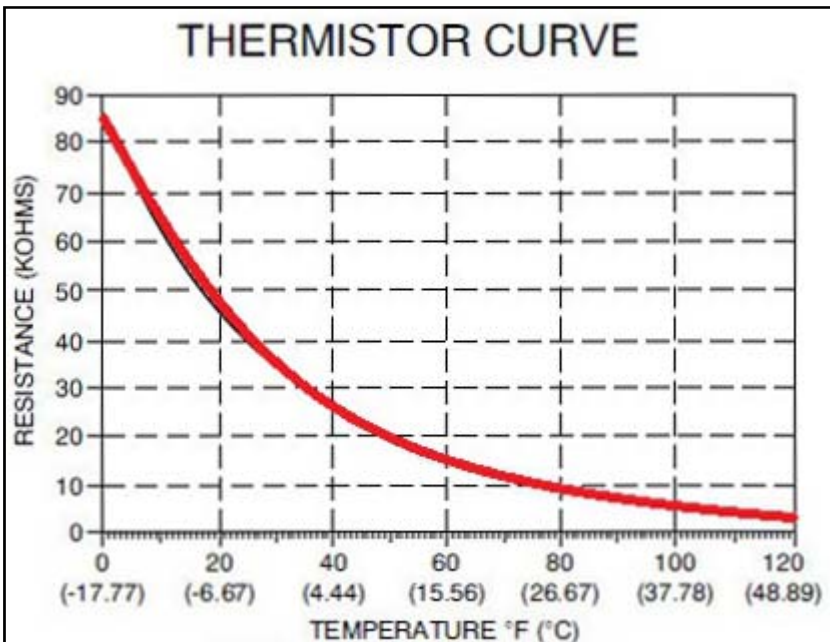


Heat Pump (Standard) - The IAS should be placed in the air handler AFTER the coil but BEFORE the BLOWER and HEAT STRIPS.



SPECIFICATIONS

Mounting	Mount securely in any orientation (Vertical, Horizontal or Diagonal)
Accuracy Range	32°F to 212°F
Accuracy	+/- 0.5°F
Casing Material	Stainless Steel
Ambient Resistance	10kΩ +/- 2.5% @ 77°F
Sensor Type	10k, TYPE III
Max Temp Display	199°F
Environmental	Moisture Resistant
Dimensions	Length: 4.0" Diameter: 0.25"
Mounting Dimensions	Plate: 2" x 0.5" Holes: 1/4" Diameter (1.5" Center to Center)



Additional wire length can be added to the existing 10 ft. wire lead, up to a total combined length of 110 ft. Remove the EZ plug connector and use SOLDER or wire nuts to connect 18 gauge wire to existing wire leads coming from the IAS. Connections must be clean and surface area contact between the connected wires maximized to insure optimal sensor performance. Poor connections will cause inaccurate readings. Connect the other end of extended wiring to the EZ plug connector.

