HVAC Thermistor Sensors

Thermistors are thermally sensitive resistors whose electrical resistance varies precisely and predictably with temperature. Thermistors are ideal for monitoring and controlling temperature in heating, ventilation, and air conditioning (HVAC) systems.

Thermistors for HVAC Applications

In HVAC applications, thermistors are used to monitor the temperature of condenser coils, temperatures in ducts, internal and outside air environments, flooring, etc.

HVAC Component Solutions

An HVAC thermistor, generally packaged as part of a thermistor probe, is mechanically and thermally positioned within an HVAC system to send signals to the control system which adjusts the operation of system components based on deviations from the target temperature. For instance, a thermistor mounted on the evaporator coil may trigger an automatic defrost cycle thereby making for a more efficient system.

Motors

Depending on the design, HVAC systems can have several types of motors to power blowers, condenser or compression fans, and compressors. Based on thermistor inputs, the control system regulates the status and speed of the various motors. Of course, proper temperature measurement and control minimizes the work performed and reduces the overall energy used by the HVAC system.

Supplying Customers Across the Globe!

EI Sensor products are used in markets and applications worldwide. We offer our global clients a range of standard and custom thermistors, RTDs, and probes. If you have questions about which of our standard products will perform best in your application, contact us, and we'll be happy to help. We will gladly work with you to create a custom solution for any unique temperature measurement needs.

EI SENSOR TECHNOLOGIES

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