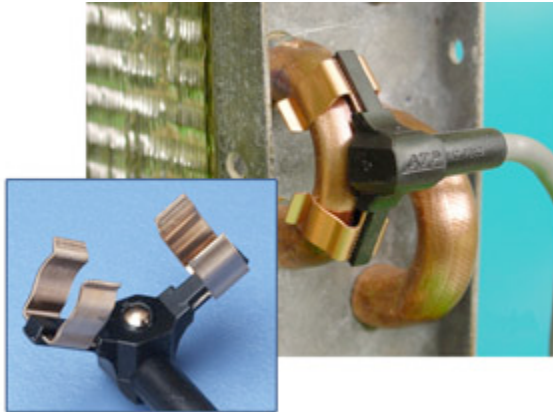


## Sens-A-Coil is the Ideal Solution for New CA Energy Standards

St. Marys, PA – April 7, 2009 - Spectrum Sensors & Controls announces an innovative, patented sensor for monitoring the refrigerant temperature in condenser and evaporator coils that satisfies the new California Energy Standards on HVAC changeouts. Spectrum's Sens-A-Coil with Type K thermocouple sensor allows OEMs and contractors to satisfy the requirements on the new regulations that a saturation temperature sensor must be part of the system once it is installed so that the refrigerant temperature can be verified by third party raters and allows coil manufacturers, contractors and others to meet these new requirements that are scheduled to be implemented in January of 2010.



The upcoming California Energy Standards will require (in some climate zones) refrigerant charge measurement for cooling systems. When a new or replacement split system air conditioner or heat pump is installed the refrigerant charge must be measured and verified by a third party, which usually involves a HERS rater attaching gauges to the system once the contractor leaves. This is a concern of the HVAC industry since the code requires a non-intrusive means of verification and the installing contractor has to install saturation temperature measurement sensors so that the system can be third party verified.

Saturation temperature measurement sensors are often Type K thermocouples that are permanently attached to the evaporator and condenser coils. The plug on the end of the sensor is plugged into a handheld digital thermometer to read the temperature. Spectrum Sensors' Sens-A-Coil comes standard with 3ft. of Type K thermocouple cable and male plugs to connect directly to a digital thermometer allowing OEMs and contractors to satisfy the requirements on the new regulations that a saturation temperature sensor must be part of the system once it is installed so that the refrigerant temperature can be verified by third party raters. The Sens-A-Coil integrates a fast response sensor element into a plastic overmolded copper clip specially designed to snap onto 3/8" return bends maximizing the sensing surface area and enabling the sensing element to quickly react to any changes in the refrigerant temperature.

The Sens-A-Coil saves both time and money in production and field service environments since no tools are needed for installation. The sensor is available in 5 and 10 k $\Omega$  models and with other sensing elements, including a wide range of NTC thermistor elements, RTDs and other solid-state

sensing elements. These sensors are priced at approximately \$16.00 each in 1000 piece order quantities with a lead time of stock to 4 weeks.

### **About Spectrum Control**

Spectrum Control, an ISO 9001:2000 and TS 16949 certified company, is comprised of four businesses: Advanced Specialty Products, Sensors and Controls, Power Management Systems, and Microwave Components and Systems.

Spectrum Sensors & Controls Advanced Thermal Products Operation produces temperature sensing probes and assemblies, PTC and NTC thermistors and resistive temperature detectors (RTDs). The company's Precision Positioning Sensors Operation produces potentiometers and position sensors including rotary, motorized, hollow shaft, linear and fader types, as well as element segments and custom assemblies.

Spectrum Advanced Specialty Products produces coaxial filters & interconnects, advanced ceramics, antennas & assemblies, specialty connectors & harnessing and power filters & film modules.

Spectrum Microwave produces a wide range of microwave components and systems. Products include microwave filters, amplifiers, mixers, voltage-controlled oscillators (VCOs), dielectric resonator oscillators (DROs) and a wide range of RF & microwave systems & assemblies.

Spectrum Power Management Systems produces AC and DC power distribution and remote management systems. Power solutions include off-the-shelf products as well as customized products or systems designed to suit specific user requirements.

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