Features & Benefits of Therm-O-Disc’s Negative Temperature Coefficient Sensors

Together with our customers, Therm-O-Disc continuously works on new designs to meet the high demands of today’s and future applications. We offer a wide range of NTC sensor packages, known for their long term stability and accurate measurements.

NTC temperature sensors from Therm-O-Disc provide solid state temperature sensing for a range of applications and are available in custom engineered probe package configurations for a variety of mounting and connectivity options.

Features and Benefits

Therm-O-Disc Thermistor Sensors

- Engineered to specific application’s exact requirements
- Thermally responsive
- Increased performance of the overall system in terms of energy consumption and ease of use
- Reduced assembly cost and increased reliability
- Rugged performance and long-term stability

Therm-O-Disc Plastic Over-Molded Sensors

- Plastic probes can be made into more application-specific shapes
- Plastic probes can eliminate multiple-part assemblies for customers and reduce their labor and combined material cost
- Lower weight content than metal probes can benefit transportation costs
- Piece price is typically lower than metal-based probes

Rugged Assembly

Therm-O-Disc’s Sensor assemblies can be depended upon to meet rugged application requirements. A wide range of standard body designs are readily available. If a non-standard design is required, we offer the assistance and expertise of our application engineers to develop a design to meet the exact requirements.

Terminals or Lead Wires

A variety of terminals or lead wires are available as a connection interface to Therm-O-Disc temperature sensors. Terminals offer the most cost-effective solution as the extra handling adds to the material cost of wire.

Authored by Mr. Dan Lavin. Dan is an Application Engineer with Emerson’s Therm-O-Disc and has over 30 years of experience working with thermistors. Question for Dan? Reach him at dan.lavin@emerson.com.