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New design and technology expand functionality of TTM family of sensors

TURCK Adds Programmability to Compact Temperature Transmitters

PLYMOUTH, Minn. (Dec. 11, 2014) – To broaden the functionality of its temperature transmitters, TURCK expanded its TTM sensor line to include dynamic programmability and special features via IO-Link. These fully programmable sensors allow a user to program the temperature range required, rather than be constrained to specific ranges, allowing users more specific temperature control. This new functionality also allows the sensor to be programmed and used as a temperature switch.

The TTM sensor line includes several models, including remote-mount transmitters, transmitters with integral Class A RTD's (resistance temperature detector), as well as all stainless steel configurations to meet different measurement, space and material needs of applications. To eliminate problems associated with conventional transmitter assemblies, all of TURCK's compact temperature transmitters are factory assembled with an overmolded or welded housing, and come ready for installation.

"These additions to our TTM line are really about providing our customers with a wide variety of options so they can have exactly what their application needs," said Product Manager Rich Tallant. "This new offering provides a solution that is ready to plug in and play out of the box, with no terminal screws or wiring assembly needed."

The overmolded remote transmitters are ideal for applications with limited clearance because they ensure electronics stay out of harm's way. Remote versions can also be mounted separately from the RTD, for improved temperature readings by isolating the transmitter circuitry from the temperature being measured. The stainless version offers a more robust package without an overmolded housing, ideal for food and beverage applications.

Like others in the TTM line, these new sensors feature a 4-20 mA temperature transmitter. The sensors are pre-scaled 0 to 150 degrees Celsius but can easily be programmed to specific temperatures within those ranges with IO-Link.

About TURCK

TURCK is a pioneer in industrial automation technology, providing customers with a comprehensive line of quality and advanced technology products in a fast, flexible and accurate manner. With more than 3,200 people working in 27 countries, TURCK has built global partnerships with customers based on engineering expertise, flexibility and our willingness to take on engineering challenges that others won't. For more information, visit www.turck.us.