Editorial Contact:
Lu Kondor, (818) 894-7111
miicontent@miinet.com

FOR IMMEDIATE RELEASE

STZ Functional Safety HART® Temperature Transmitter Now Includes Associated Intrinsically-Safe Sensor Connections

NORTH HILLS, CA—November 14, 2017—Moore Industries announces the newest member to the Associated Intrinsically-Safe (AIS) family of products with the release of the SIL 2/3 capable STZ Functional Safety Dual Input Smart HART® DIN-style Temperature Transmitter with Associated IS sensor connections. The STZ is certified by exida to IEC61508 for systematic integrity up to SIL 3 and for single use in Safety Instrumented Systems (SIS) up to SIL 2. The STZ is designed and developed in strict compliance with IEC 61508 standards to provide the highest level of system integrity and reliability.

The intrinsically-safe -AIS option for the STZ-DIN allows direct connection of sensors located in hazardous locations by including an embedded intrinsically-safe barrier in the front end of the STZ-DIN. The STZ-DIN -AIS is an associated apparatus suitable for mounting in Non-Hazardous or Class I, Division 2/Zone 2 hazardous locations with sensor input terminals connected to sensors or equipment in Class I, II, III, Division 1/Zone 0/1 hazardous locations. Installation costs are reduced if an associated apparatus (STZ-DIN with -AIS option) is used, since the associated apparatus includes the barrier in the receiving device. There is no need for the additional cost of the IS barrier, cabinet space, high integrity clean ground connection, separate power supply, or custom vendor backplanes. This drastically reduces the cost of purchasing, installation, and maintenance versus more traditional approaches requiring a separate Zener or isolating barrier. Blue connectors on the THZ[3]-DIN with -AIS option provide a visual way to recognize the Associated IS capability.

The STZ-DIN configures quickly and easily to accept a single or dual input from a wide array of sensors and analog devices including RTDs, thermocouples, resistance and potentiometer devices, and direct millivolt inputs. This 2-wire (loop-powered) Associated IS transmitter provides an isolated and linear 4-20mA output proportional to the input. This signal is ready for direct interface with HART or non-HART based Safety System, DCS, PLC and other computer-based SCADA systems. The Universal mounting bracket easily snaps on and off of 35mm Top Hat DIN-rails and standard relay tracks.

The STZ-DIN -AIS provides HART compliance with exception-based reporting and dynamic variable mapping as well as HART Access Control to prevent unauthorized or accidental reconfiguration of the STZ-DIN while it is performing its safety function. An additional security feature allows users to set HART communication into a Read Only or Off mode. For extra convenience the STZ is HART & DTM Programmable with user-oriented basic configuration for fast and accurate setup. It is HART configurable via any HART handheld configurator or HART compatible host.

The STZ-DIN is part of Moore Industries' FS Series products, which are designed and built in compliance with IEC 61508, the leading worldwide functional safety standard. FMEDA (Failure Mode Effects and Diagnostic Analysis) reports are available with the required safety data to ensure that the STZ meets the requirements of each Safety Instrumented Function (SIF).

Check out other exciting products in the Moore Industries Associated Intrinsically-Safe family like the reliable universal SPA^{2}IS Programmable Limit Alarm Trips or the THZ^3 DIN with -AIS option Dual Input Smart HART® Temperature Transmitter.

About Moore Industries-International, Inc.:

Based in North Hills, CA, Moore Industries is a world leader in the design and manufacture of rail, panel and field instruments for industrial process control and monitoring, system integration and factory automation. The company has direct sales offices in the United States and additional strategic worldwide locations in Australia, Belgium, the Netherlands, the People's Republic of China and the United Kingdom. The company serves a variety of industries such as chemical and petrochemical; power generation and transmission; petroleum extraction, refining and transport; pulp and paper; food and beverage; mining and metal refining; pharmaceuticals and biotechnology; industrial machinery and equipment; water and wastewater; and environmental and pollution monitoring.

For more information on Moore Industries, visit www.miinet.com.

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