

News Release



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FOR IMMEDIATE RELEASE

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ifm efector Introduces the TK Series Temperature Switch With Rotating Setup Dials

EXTON, PA – ifm efector inc., a leading manufacturer of sensors and controls, introduces the new TK Series Temperature Switch for temperature monitoring. The compact TK Series switch and its 316 stainless steel RTD probe measure only 72mm and is directly mounted into a pipe. Two mechanical setup dials rotate to quickly establish the setpoint and resetpoint temperatures. The switch's high accuracy insures that the setpoint does not drift and calibration is not required.

Two bright LEDs indicate switching and operating status. With no moving parts to stick in the process or break, the ifm TK Series temperature switch maintains high performance and long term stability.

Electrical connection is achieved with an industry standard Micro DC connector. A locking device prevents unintentional setpoint changes.

ifm's temperature switch uses a Pt1000 RTD for temperature measurement. The Pt1000 RTD is a platinum resistor that exhibits a resistance of 1000 Ω at 0°C. Platinum is used because of its optimal linearity and stability with temperature. Temperature is sensed by measuring the change in resistance of the RTD. As temperature increases, the resistance of the RTD also increases. The signal from the RTD is

evaluated by a microprocessor inside the temperature control monitor. The microprocessor, along with electrical components, is mounted on a flexible, temperature-stable polyamide film. RTDs do not require the cold junction compensation of a thermocouple and are shock and vibration resistant.

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ifm efector Introduces the TK Temperature Sensors

With Rotating Adjustment Dials

TK Series switches are Micro DC units with G1/4 BSPP process connections. Operating temperature range is -13...284°F (-25 ... 140°C). Two models are available: PNP, N.O. /N.C. output with adjustable hysteresis (min. 6 °F / 3 °C); and PNP, 2 x N.O. output with fixed hysteresis (min. 9 °F / 5 °C). List price for both models is \$125.00 (US).

For additional information on the new efector TK Temperature Switch and other ifm efector products, contact ifm efector inc., 782 Springdale Drive, Exton, PA 19341. Tel: 800-441-8246 • Fax: 800-329-0436 • Website: www.ifmefector.com.

ifm efector inc. is a premier technology partner for sensors and controls. Products include proximity switches, photoelectric sensors, fiber optics, condition monitors, speed monitors, pressure sensors, flow sensors, temperature sensors, level sensors, valve position sensors, mobile control solutions, ID systems, AS-i networking and Safety at Work products.

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