Ultra Reliable FLT93 Level Switch Is Qualified For Nuclear Power Plant Service

Ideal for Service In Tanks, Room/Area Flooding, Fuel Pools and Sumps, Steam Drain and Condensate Pots, Line Water-To-Steam Interface, Scram Discharge and Oil Reservoirs

San Marcos, CA—September 24, 2008— Designed for high-reliability in mission-critical environments, the rugged FlexSwitch® Series FLT93 Level Switch from Fluid Components International (FCI) delivers accurate level alarming and switching to a wide range of safety and balance of plant air, water and oil monitoring applications found in nuclear power plants.

FCI's FLT93 Level Switch provides proven level measurement to ±0.1 inch [±2.5 mm] and repeatability to ±0.05 inch [±1.3 mm] for dependable measurement. It can be installed to measure the level of a single fluid or interface between two non-miscible fluids. This device's point level design can be configured as a single sensor point for low or high level alarming or it also can be configured as multiple sensor points mounted on a stand pipe to measure varying levels in tanks, sumps and more.

The FLT93 Level Switch's thermal mass sensing element operates at temperatures from -40 ºF to 250 ºF (-4 ºC to 121 ºC) and is process pressure rated to 2000 psig. Its sophisticated no-moving-parts thermal mass sensor element has been tested to $2x10^8$ rads, and its electronics are qualified for $5x10^5$ rads for applications requiring an integral unit (sensors and electronics). Its electronics feature dual 6A relays and the measuring circuitry is fully temperature compensated for accurate alarming in the presence of changing fluid or ambient temperatures. FLT93 also includes FCI's exclusive pre-check circuit that allows the user or control system to verify set point/trip point operation at anytime via a simple contact closure.

Testing of the FLT93 Level Switch conforms to Institute of Electrical and Electronic Engineers (IEEE) 323-1983 and IEEE 344-1987, making the FLT93 fully qualified for

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Class 1E safety related nuclear power plant applications. It also meets the requirements of the American National Standards Institute (ANSI) N45-2, the US Nuclear Regulatory Commission's 10CFR21 and has been tested in conformance with the American Society of Mechanical Engineers (ASME) Pressure Vessel Code III. It is certified by the Nuclear Procurement Issues Committee (NUPIC) and the Nuclear Industry Assessment Committee (NIAC).

In addition, FCI maintains certifications to the International Standards Organization (ISO) 9001:2000 and AS9000 in producing products qualified to some of the world's most rigorous standards. FCI has been a continuous supplier to the nuclear power industry for over 30 years, and its nuclear-qualified products are installed in a numerous applications in nuclear power plants worldwide.

A wide selection of standard and custom process connections can be provided. The electronic control circuit can be integrally-mounted with the sensing element, or it can be located in a remote location. The standard enclosure is made from a coated aluminum alloy and is rated for NEMA Type 4X (IP66) environments.

Fluid Components International is a global company committed to meeting the needs of its customers through innovative solutions to the most challenging requirements for sensing, measuring and controlling flow and level of air, gases and liquids.

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