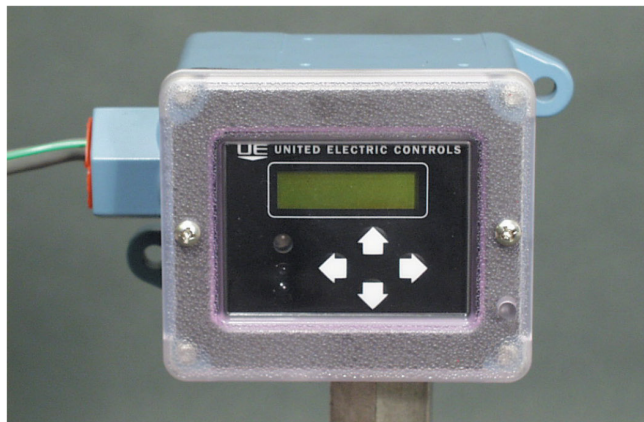
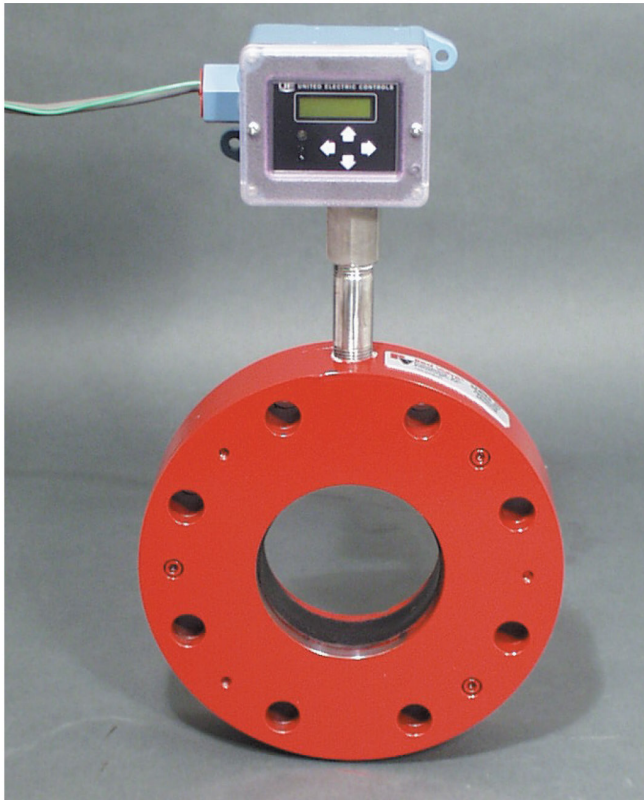


Digital Pressure Sensor Threshold Detection Pressure Switch



Compact, reliable, and non-clogging, Red Valve Pressure Sensors can be equipped with the latest digital pressure switch technology.

Red Valve Pressure Sensors ensure reliable pressure measurement by isolating the instrumentation from the process media. The full-port, non-clogging design of the pressure sensor allows accurate reading of slurries that would clog traditional diaphragm seals. This is especially important when a pressure switch is being used to shut down a pump to protect capital equipment from over or under-pressurizing situations.

Our most popular sensor combination includes a gauge for local pressure indication and either a 4~20 mA transmitter for continuous monitoring or a gauge with a pressure switch. Red Valve can replace the use of separate instruments with an electronic gauge and pressure switch or switch and transmitter combination.

This technology utilizes a ceramic pressure sensing element rather than a Bourdon tube to measure the pressure variable. The LCD display shows pressure and allows for easy setup of setpoints, deadband and switch mode. Alarms are indicated locally and remotely, and circuitry provides a constant report on the working status of the instrument. This allows local and remote users to clearly determine if the unit is working properly.

Combined with the reliability of the Red Valve Pressure Sensor, this instrumentation creates a system that is compact and can protect piping systems under the most extreme process conditions.