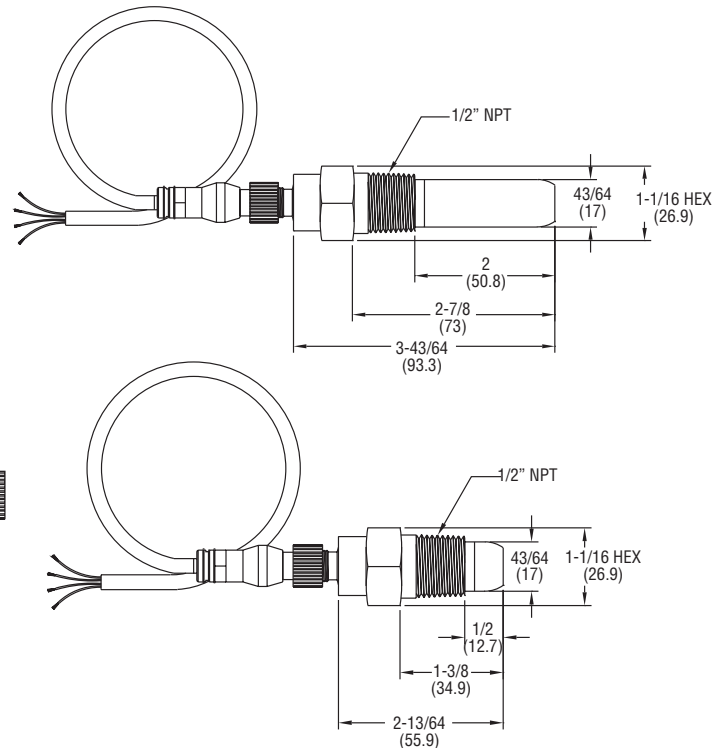
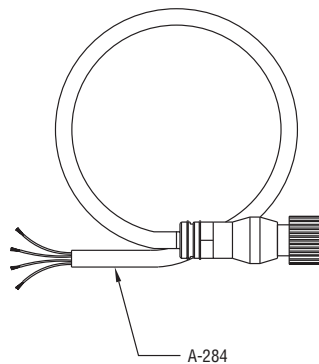




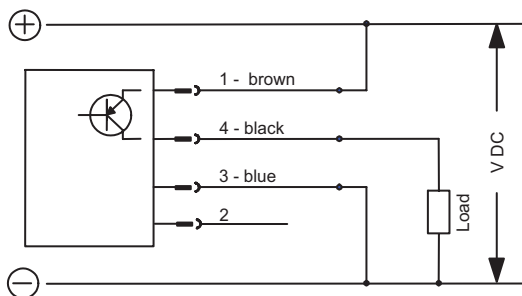
Series FTS Thermal Flow and Temperature Switch

Specifications - Installation and Operating Instructions



Series FTS Flow Thermal Switch is especially designed, for all types of cooling systems, as a reliable alternative to failure prone mechanical flow switches. The Flow Thermal Switch continually samples the temperature of the coolant and adjusts the low flow setpoint automatically, providing a solid state switch should the coolant flow rate fall below the setpoint value. In addition, the Flow Thermal Switch will provide an alarm output should the coolant temperature rise above acceptable levels. You have double protection with the FTS.

Wiring Diagram



MAINTENANCE

Upon final installation of the Series FTS Flow Switch, no routine maintenance is required. A periodic check of the system calibration is recommended. The Series FTS Flow Switch is not field serviceable and should be returned if repair is needed (field repair should not be attempted and may void warranty). Be sure to include a brief description of the problem plus any relevant application notes. Contact customer service to receive a return good authorization number before shipping.

SPECIFICATIONS

Service: Water based liquids.

Low Flow Set Point: .4 m/s (1.2 fps) (water related) typical.

Temperature Set Point: 122°F (50°C) or 158°F (70°C), other settings possible on OEM demand.

Temperature Limits: -4 to 176°F (-20 to 80°C).

Response Time: 5 to 10 seconds.

Repeatability: 0.5%.

Hysteresis: <20% of set-point value.

Pressure Limit: 150 psi (10 bar).

Protection Class: NEMA 6 (IP 67).

Wetted Material: 303 SS.

Process Connection: 1/2" Male NPT.

Electrical Connection: M12 male socket 4 pin with 6 ft (2 m) connection cable with M12 connector sold separately.

Power Requirement: 18-30 VDC.

Electrical Rating: <200 mA.

Power Consumption: 4 W max.

Initial Operation: After 15 seconds.

Switch Type: PNP N.O. (switch closes with flow).