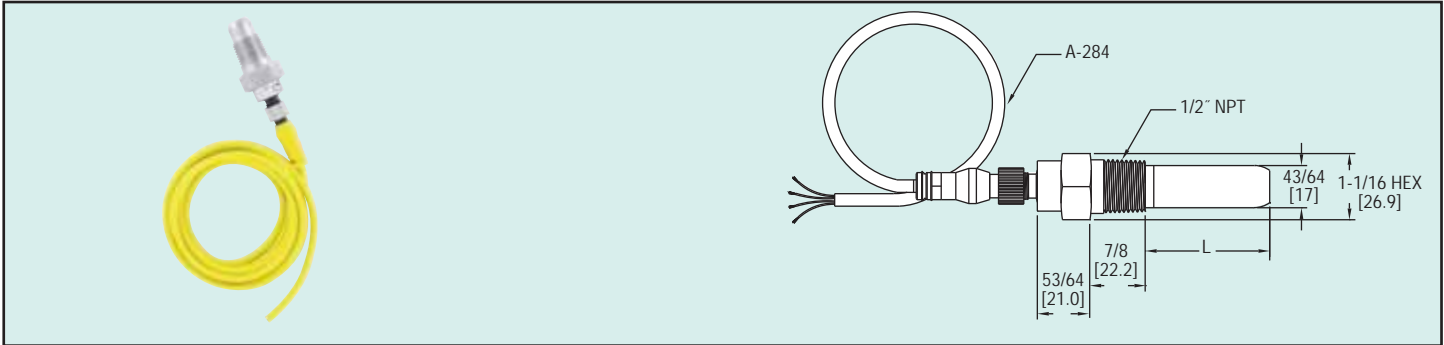




Series
FTS

Thermal Flow and Temperature Switch

For Industrial Cooling Systems



Series FTS Thermal Flow Switch is especially designed, for all types of cooling systems, as a reliable alternative to failure prone mechanical flow switches. The Thermal Flow 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 Thermal Flow Switch will provide an alarm output should the coolant temperature rise above acceptable levels. You have double protection with the FTS.

Model	Temp. Set Point	Sensor Length (L)
FTS-AS	122°F (50°C)	1/2" (12.7 cm)
FTS-AL	122°F (50°C)	2" (50.8 cm)
FTS-BS	158°F (70°C)	1/2" (12.7 cm)
FTS-BL	158°F (70°C)	2" (50.8 cm)

ACCESSORY

A-284, Wiring cable 6 ft (2 m) long with M12 connector

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).

FLOW