

Thermo-Flo™ Liquid and Gas Flow Switch



Specifications

Set point range: FT10: 0.04 to 3 fps (0.012 to 0.91 mps)

GT10: 1 to 90 fps (0.3 to 27 mps)

Repeatability: ± 0.5% of set point

Supply voltage: 12-36 VDC

Contact type: (1) SPST relay

Contact rating: 60 VA

Process temp: F: 32° to 140°

C: 0° to 60°

Pressure: 150 psi (10 bar)

Cable length: 10' (3m)

Sensor rating: NEMA 4X (IP65)

Process mount: 3/4" NPT (3/4" G / Rp)

Sensor material: PP-Ryton® / PVDF

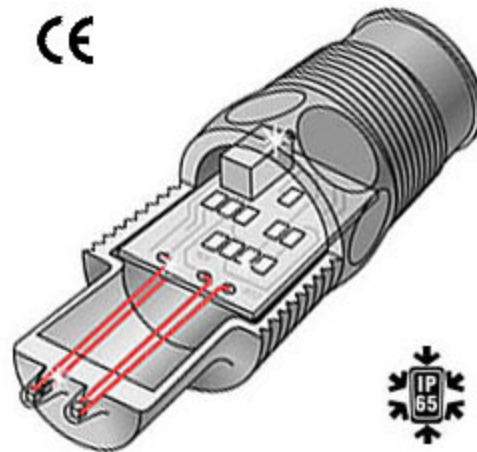
Classification: General purpose

Application

Offered in liquid and gas configurations for low-flow detection, the general purpose flow switch is a great choice for a diverse range of relatively clean, non-coating media. Liquid examples include deionized water and sulfuric acid. The 1A relay provides a reliable switch interface with remote devices such as a PLC, SCADA or alarm. The short sensor is intended for use in pipe or ducting from 1/2" to 1 1/2"; the long sensor is applied in 2" and up. The liquid switch set point may be adjusted from 0.04 to 3 fps, and the gas switch from 1 to 90 fps.

Features

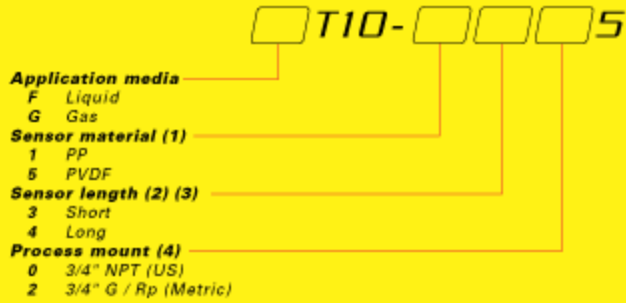
- Adjustable set point with LED for flow or no-flow status indication
- Solid state sensor is not damaged by over-ranging flow velocities
- PP-Ryton or PVDF sensor rated NEMA 4X or IP65
- 1A relay selectable NO or NC via power supply wiring polarity
- Compatible with Flowline alarm, controller and fitting accessories



The clear set point adjustment knob doubles as an LED to indicate the flow status. Its calibration made simple.



Order



Ordering Notes

- 1) To special order a 25' (7.6m) or 50' (15.2 m) sensor cable, place the cable length at the end of the part number (ie: FT10-1305-25').
- 2) Select the short sensor for use with pipe sizes from 3/4"-1 1/2" (D25-D50) and the long sensor for 2" and higher (D63 up).
- 3) Select the Pulse-Point fitting to dampen the pulsating flow of liquid metering pumps. Order the FT50-1000 (PP) fitting or the FT50-5000 (PVDF) fitting. The FT50 is compatible with the short NPT flow switch.
- 4) The Metric sensor is offered with straight G threads on the sensing side and conical Rp threads on the cable side of the wrench flat.

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