



FS-TDFS-1-P-06

Thermal Dispersion Flow Switches



Overview

Thermal Dispersion Flow Switch, 316SS and polysulfone, 1/2" NPT process connection, 6' of cable with cable gland.

Applications

- Perfect for proving flow in boilers, hot water heaters, and chillers.

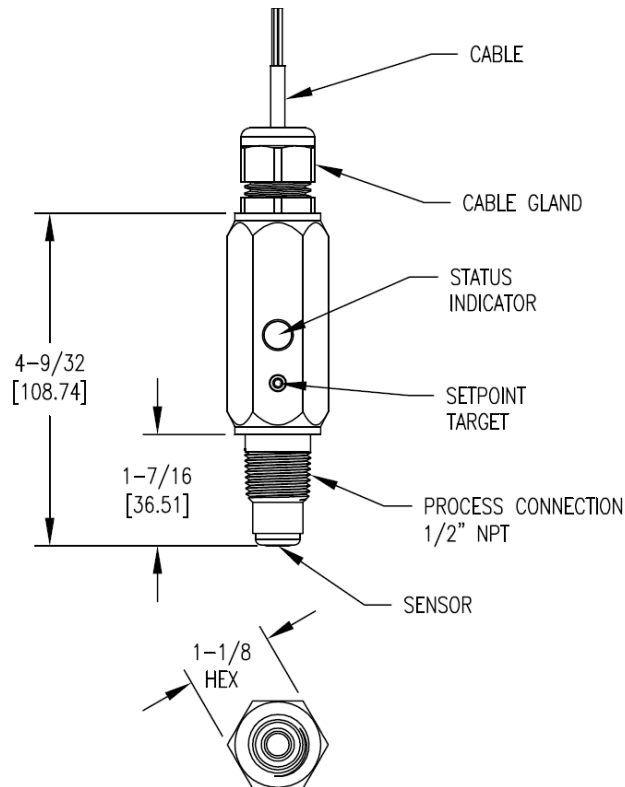
Features & Benefits

- Thermal dispersion
- No paddles or vanes to break off into flow
- No jams or material stopping paddle movement

Product Specifications

Service	Compatible water-based fluids
Wetted Materials	316 SS, Polysulfone, and FKM
Setpoint Range	0.5 to 10 ft/s (0.15 to 3.0 m/s)
Repeatability	0.07 ft/s +3% of setpoint
Typical Deadband	0.1 ft/s +15% of setpoint
Temperature Limits	
<input type="checkbox"/> > Process	5 to 185°F (-15 to 85°C) (non-freezing)
<input type="checkbox"/> > Ambient	5 to 167°F (-15 to 75°C)
<input type="checkbox"/> > Storage	-40 to 185°F (-40 to 85°C)
Pressure Limits	300 psig (20.67 bar), max. momentary surge: 500 psig (34.47 bar)
Response Time	Approximately 8 s
Power Requirement	9 to 24 VDC
Switching Current	400 mA, derate 5 mA/°C above 23°C
Current Consumption	Average: 93 mA, Peak: 300 mA
Electrical Connection	4 conductor 22 AWG, 6' (1.83 m) long with cable gland
Process Connection	1/2" NPT male
Enclosure Rating	NEMA 4X (IP65)
Housing Materials	316 SS, 416 SS, polycarbonate, neoprene, and acrylated urethane
Switch Type	1 NO NPN, 1 NC NPN
Input Power and Protection	0.5A fuse (resettable) reverse polarity protected
Switched Output Protection	0.5A fuse (resettable) reverse polarity protected
Agency Approvals	CE

Dimensions



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