



Thermal Dispersion Flow Switch FS-600 Series – No Moving Part

Operating and Installation Instructions

Prior to installation, confirm system versus sensor specifications and media compatibility of the sensor. Water hammer effects should be minimized to prevent potential damage to the unit. Sensor can be mounted in any horizontal, vertical or skewed orientation; however a fully filled flow body is required for accurate sensing. Correctly installed, the sensor works maintenance free.

Installation

Apply a sparse amount of thread sealant (Permatex "No More Leaks"®) or Teflon® tape to the male threads intended for installation. Ensure that the sealant does not enter into the sensor flow area. Hand-tighten the unit in place.

Tighten in additional 1/4 turn increments until a seal is achieved. Do not exceed one and one-half additional turns total.

Specifications

Wetted Materials	
Probe	316 Stainless Steel
Flow Body	316 Stainless Steel
Operating Pressure (Max.)	363 PSIG (25 bar)
Operating Temperature	-14°F to 140°F (-10°C to 60°C)
Power on Delay Time	15 Seconds Max. (Output On)
Response Time	10 Seconds Max.
Inlet/Outlet Ports	1/2", 3/4", 1", 1-1/2" NPT
Operating Voltage	24 Vdc or 24 Vac +/-15%
Current Consumption	Less than 50mA
Switch Contact Rating	30Vac@45mA, 42Vdc @65mA
Switch Logic	Normally Open
Ingress Protection	IP65
Set Point Accuracy	15%
Set Point Differential	20% (Max.) at 5 to 20 CM/SEC, 15% (Max.) at 25 to 60 CM/SEC
Electrical Termination	M12 x 1 (4-Pin) (1 meter cable included)
Approvals	CE

WIRING DIAGRAM

