

OPERATION:

As flow is established through the unit and continues to increase, the pressure differential across the magnetic piston increases until it overcomes the magnetic piston's resistance (mass). This force causes it to progress fully upward to actuate the dry reed switch. This is a snap action and occurs in the decreasing mode as well.

SPECIFICATIONS:

STANDARD FLOW SETTINGS		
MODEL	FLOW OF WATER (GPM)	
LFS-500 PPC	-1	0.1
	-2	0.5
	-4	1.0
	-6	1.6
	-8	2.0

Actuation points shown are for increasing flows.
Differential between on and off averages 10%.
Flow setting accuracy $\pm 10\%$ Repeatability $\pm 2\%$

BODY MATERIAL	MAXIMUM WORKING PRESSURE	WETTED PARTS
Polypropylene	100 psig	PP, epoxy

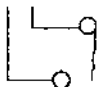
CONNECTIONS: 1/2" FNPT, 1/2" Female Conduit

SWITCH DATA

	SPST	SPDT
Maximum Switching Voltage		
DC	200	100
AC	150	-
Contact Rating		
DC (W)	50	3
AC (VA)	70	-
Maximum Switching Current (A)		
DC	1.0	.25
AC	0.7	-

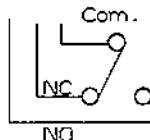
Above values for resistive loads only. For inductive loads, surge current and rush current - contact protection is required, consult your local representative.

SPST leads 39 in. min. from body, Red and Black



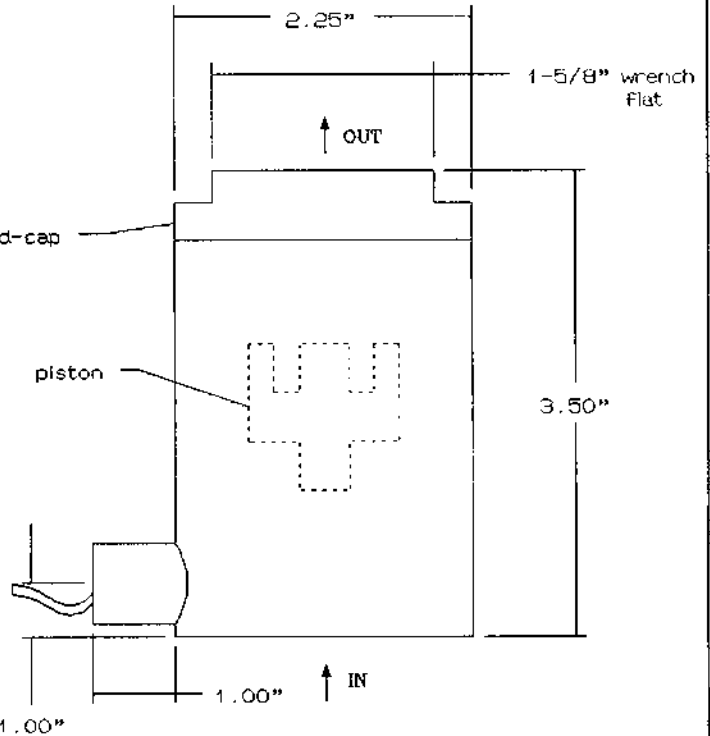
22 AWG PVC Jacketed wire

SPDT (Optional) leads 39 in. min. from body.



22 AWG PVC Jacketed wire

- Red - NC
- Black - NO
- White - Common



INSTALLATION:

The flow switch should be installed vertically, inlet down, outlet up. Avoid dirt, Teflon tape shred, or other foreign material from entering unit. Do not use pipe dope. We recommend use of a 100 micron filter.

The standard unit is provided with a SPST dry reed switch. Normally Open operation. SPDT models have both NO and NC capabilities.

Large metallic bodies and magnetic fields may affect the principle of operation of these units. Magnetic shielding may be required in severe cases.

MAINTENANCE:

The LFS model is a low maintenance unit. If the bore appears dirty or the piston is not responsive to changes in flow, remove the end-cap and magnetic piston, swab out bore and clean piston with a suitable solvent. Replace piston in the same orientation as when removed, screw end-cap back on snugly.