



RusAutomation

# Piston-Type Flow Switches Series P1



## Installation . . .

Unless otherwise specified at time of purchase, units are calibrated in a vertical position, with lead wires up. Install unit in piping system, using standard pipe fitting procedures. Be sure to keep thread sealing compound out of unit. Make sure that flow is in proper direction - marked "IN" and "OUT" on housing. See wiring diagrams for electrical connections. **CAUTION:** See "Switch Ratings" before connecting power.

**CAUTION:** Flow settings for P1 series switches are normally calibrated using water @ +70°F on increasing flow. If unit will be used to monitor liquids other than water, gas or air, Factory should have been consulted at time of purchase for special calibration. All air/gas units are factory-calibrated using a special piston. Water-calibrated units are not recommended for air/gas applications.

## Specifications . . .

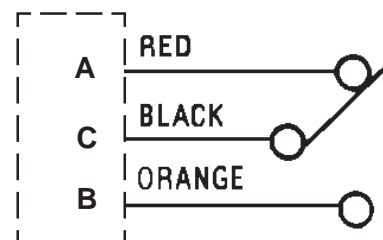
<b>Wetted Materials</b>	
<b>Housing</b>	Brass or 316 SS
<b>Piston</b>	
<b>Brass Housing</b>	Polysulfone/Water - Brass/Oil or Air
<b>Stainless Steel Housing</b>	316 SS
<b>Spring</b>	316 SS
<b>O-Ring</b>	Viton®
<b>Other Wetted Parts</b>	Epoxy
<b>Pressure Rating</b>	
<b>Operating</b>	1000 PSIG
<b>Proof</b>	2500 PSIG
<b>Burst</b>	5000 PSIG
<b>Operating Temperature</b>	
<b>Brass or SS Piston</b>	-20°F to +300°F (-29°C to +148.9°C)
<b>Polysulfone Piston</b>	-20°F to +225°F (-29°C to 107.2°C)
<b>Repeatability</b>	1% Maximum Deviation
<b>Set Point Accuracy</b>	±10%
<b>Set Point Differential</b>	15% Max.
<b>Switch*</b>	SPDT, 20 VA
<b>Inlet/Outlet Ports</b>	1/4" NPT
<b>Electrical Termination</b>	No. 18 AWG, 24" L., Polymeric Lead Wires

### \* Switch Ratings

#### Max. Resistive Load

VA	Volts	Amps AC	Amps DC
20	0-30	.4	.3
	120	.17	.13
	240	.08	.06

### Typical Wiring Diagram



Pin Connections for  
Units with MS Receptacle

