Pressure Switches

Designed with:

3M™ Novec™ 1230
Fire Protection Fluid

PS 10-500

Pressure Supervisory Switch

The pressure switch monitors the pressure within the SEVO® 1230 cylinder at 360psi or 500psi (25 or 34.5 Bar) should a loss of the nitrogen occur. The pressure switch contact transfers indicating a problem. The low pressure switch is normally wired into a supervisory circuit to give a trouble signal upon activation.

Characteristics
0.125&127 NPT male thread
360psi (25 Bar) systems @ 70°F:
Actuation pressure 319psi + 10 (22 Bar + 0.689)
500psi (34.5 Bar) systems @ 70°F:
Actuation pressure 464psi + 10 (32 Bar + 0.689)
Temperature -65˚F to 275˚F 600
psig proof pressure 5,000 burst pressure
Contacts:
Silver 2AMP28VDC 375 VA – 120 VAC Pilot Duty
Normally Open:
(Blue PVC insulated wire #18 AWG 600V 105˚C)
Normally Closed:
Black PVC insulated wire #18 AWG 600V 105˚C)
Common:
(Violet PVC insulated wire #18 AWG 600V 105˚C)

PS 37

Pressure Operating Switch

The operation pressure switch is used to provide a means of detecting system activation. Upon activation of the cylinder valve, the operation pressure switch contact transfers to indicate discharge or to perform disconnect/activation required during system operation.

Characteristics
0.125 – 27 NPT male thread
Actuation pressure: 58+ psig (4 Bar) @ -65˚F (18.3˚C)
250 proof pressure 5,000 burst pressure
Contacts – silver – 20 amps 120VAC / 240 VAC
Normally Open:
SPDT (Red- PVC insulated wire # 18 AWB 600V 105˚C)
Normally Closed:
(Black PVC insulated wire #18 AWG 600V 105˚C)
Common:
(White PVC insulated wire #18 AWG 600V 105˚C)

Pressure Gauge Integrated Switch

Visual and Electrical Indication Device

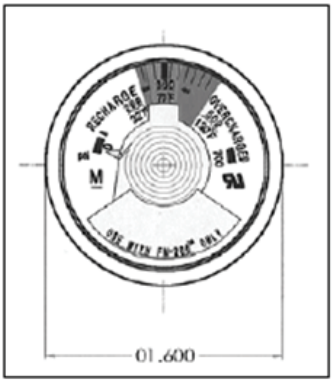
Designed with:

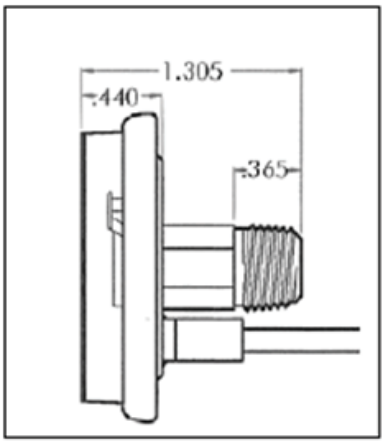
3M™ Novec™ 1230 Fire Protection Fluid

M5011-500PS

The SEVO® Systems Gauge-Integrated Switch allows for both visual and electronic monitoring of a pressurized system by eliminating the need for a separate pressure switch and gauge, thus reducing equipment costs and the number of access ports necessary in a system.

In the event of discharge or pressure drop, a magnet on the back of the indicator trips a switch in the dial face activating an output relay. The output relay can be set in a normally closed-state or normally open-state. When the switch is tripped, the output relay changes state, providing a supervisory signal.





Key Features	
Input Voltage	16 – 30VDC
Input Current: Normal State:	16 mA
Input Current: Alternate State:	7 mA
Output Relay Contact Rating:	100 mA @ 30VDC 8 Ohms max when closed
Standard Tether Length:	36”, 4 conductor, 26 AWG gauge end, 18 AWG interconnection end, PVC insulation
Tether Wiring Color Code:	Red: Positive DC Input Power Black: Negative DC Input Power Yellow: Switch Relay Contact Output Blue: Switch Relay Contact Output

SEVO™ SYSTEMS

Safe Environmental Choice