

Applications

Hydraulics and mobile hydraulics.
Pneumatics.
Heavy Duty machinery.
All compressed air, liquids or gases.

Technical Data

Mechanical Connection	: 1/8" BSP.
Reproducibility	: ±1% of adjusted pressure.
Working Temperature	: -20°C...+110°C [-4°F...+230°F]
Vibration Test (DIN EN 60068-2-27)	: 20g (Test Time 30 min)
Shock Test (DIN EN 60068-2-27:1993)	: 30g
Working Cycle	: 5,000,000 cycles
Viscosity	: Between 10 ... 800 mm ² /sec



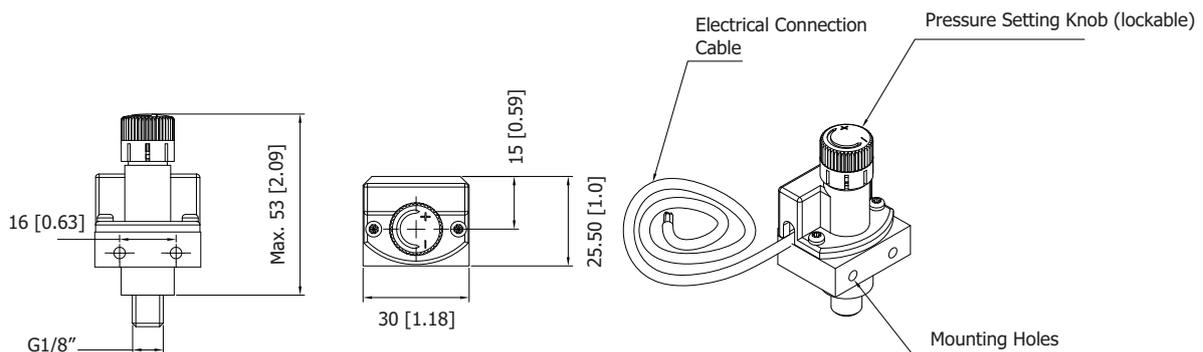
Description

PST2 series cable pressure switch opens or closes electrical circuit depending on pressure is dropping or rising. The pressure can be set by pressure setting knob on the pressure switch. When required set pressure is reached, user pushes the button and pressure switch is locked. It has a locking mechanism which prevents change of pressure values. It works appropriately under shock and high pressures. When you turn the setting knob to clockwise, pressure rises up. When you turn pressure setting knob to counter-clockwise, pressure drops down. The pressure switch can be set while the system is working. These pressure switches are employed wherever compressed air, fluids and gases are used and precisely set hysteresis is needed. This product is available only in one design with cable. Contact group, which is inside the product, has signal via three-wire cable.

Features

- Pressure setting knob can be locked.
- Long life due to high quality micro switch.
- Body material is Brass & Sealing in NBR/Nitrile as standard.
- 1/8" BSP gland connection. Bottom and horizontal connection type.
- Compact design.
- High vibration, shock resistance.

Dimensions



Dimensions in mm [inch]

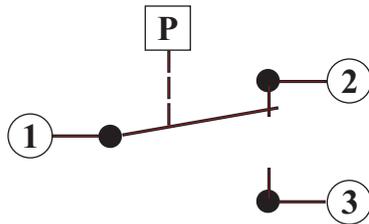
Ordering Code

1 2 3 4 5 6
PST2 - **012** - **G01M** - **B** - **P** - **COC**

1	Series	Pressure Switch with cable - Threaded with External setting knob	= PST2
2	Pressure Range	0.5 to 12 bar [7.25 to 174 psi]	= 012 (standard)
3	Connection	Threaded - 1/8" BSP(M)	= G01M (standard)
4	Body	Brass	= B (standard)
5	Sealing	NBR/Nitrile	= P (standard)
6	Electrical Connection	Change-Over - with cable	= COC (standard)

* Before ordering, check for availability.

Electrical Connection



Switch Function Table

Cable Number	Colour	Contact
1	Red	COM
2	Black	NC
3	Yellow	NO

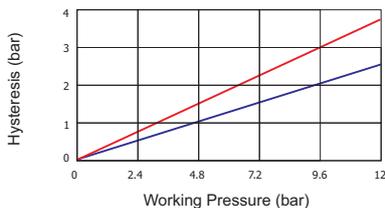
Switch Function:

Terminal 1-2: It has current in case of pressure decrease or no pressure (NC)
 Terminal 1-3: It has current in case of pressure increases (NO)

Electrical Connection	EN 175301-803, 3-TERMINAL + PE
Max. Contact Surface	1.5 mm ²
Minimum Current	1mA 12 V DC
Maximum Current	3A 250 V AC
Cable Length	2 Meters

Pressure Difference Variation Graphs

Working Pressure : Adjustable between 0.5-12 bar [7.25-174 psi]
 Max. Set Pressure : 12 bar [174 psi]
 Max. System Pressure : 40 bar [580.2 psi]



Notes

These values are maximum values and can not be used at the same time.
 For use in aggressive chemicals / fluids contact us.
 Clearances as per standards of Hydraulic oils (fluids) to be strictly followed.
 For effective & long working life of pressure switches it is advised to use proper filtration in the system.
 Please avoid using out of range values to have a long service from pressure switch.