

Pressure switch mechanical Model PSM-520

Switzer data sheet PSM-520

Applications

- Automatic start/stop of pump
- Water treatment filtration system
- Chillers (water/air cooled)
- Lubrication oil skids

Special features

- Bellows actuated
- Compact and robust
- Reliable and cost-effective
- Field adjustable



Pressure switch mechanical, model PSM-520

Description

The model PSM-520 pressure switch is an electromechanical instrument that senses changes in pressure and provides electrical on-off contact at predetermined pressure values.

The PSM-520 may be used to energise an alarm or directly control the process by cycling pumps, shifting valves etc. In an alarm application, the switch protects valuable equipment by signalling an alarm. In direct control applications, the switch can be linked electrically to other equipment.

PSM-520 pressure switches are designed for use with oil, water, air, steam and other non-corrosive pressure media. They are not suitable for use with refrigerant gases. This pressure switch is cost-effective and used in a wide variety of applications such as pumps, compressors, turbines, lubrication systems and condensers.

Standard version

Switch enclosure

Powder coated mild steel

Repeatability

±2 % of full scale value

Permissible ambient temperature

70 °C

Permissible medium temperature

100 °C

Process connection

- 1/4" BSP(F) (standard)
- 1/4" BSP(M) (for model PSM-520-101 only)

Measuring element

Phosphor bronze bellows

Wetted parts

Brass

Switch contacts

One SPDT contact system

Switching function

Selectable : Normally open, normally closed, change-over contact

On-off differential

Adjustable

Electrical rating

10A resistive, 6A Inductive AC 230 V

Electrical connection

Suitable for Ø 6 ... 14 mm cable

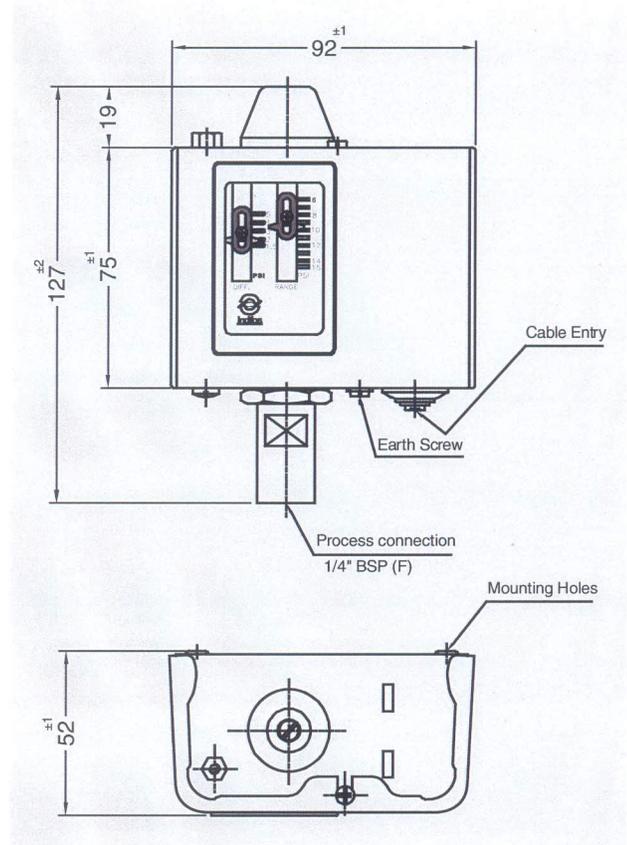
Ingress protection

IP33

Mounting

Surface, panel

Dimensions in mm



Ordering matrix

Model	Range	Differential	Max. pressure
	PSI	PSI	PSI
PSM-520-70	0 ... 70	6 ... 55	230
PSM-520-100	0 ... 100	9 ... 85	230
PSM-520-101	(-) 6 ... 100	9 ... 85	230
PSM-520-200	85 ... 215	20 ... 70	450
PSM-520-400	85 ... 425	45 ... 115	450

Ordering information

Model

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Switzer Process Instruments Pvt. Ltd.
128 SIDCO North Phase, Ambattur Estates,
Chennai 600 050
Tel. +91 44 2625 2017 / 2018 / 4991 / 4324
sales@switzerprocess.co.in
www.switzerprocess.co.in

Works

C-123, Site No.1, Industrial Area, Bulandshahar
Road, Ghaziabad 201 009