Pressure switch mechanical
Model PSM-520

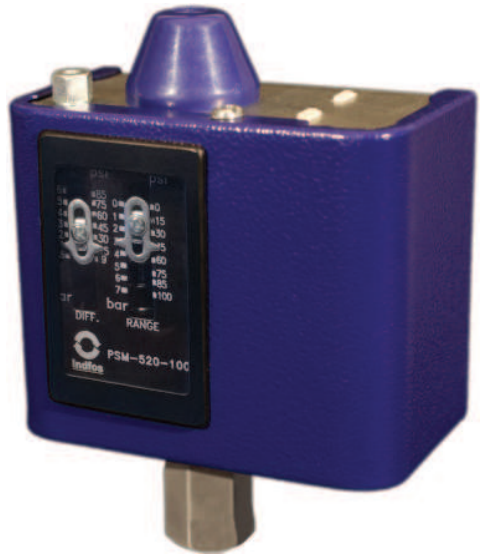
CE

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 supports 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
Cover: Steel, powder coated
Housing: Steel, galvanised

Repeatability
±2 % of full scale value

Permissible ambient temperature
70 °C

Permissible medium temperature
100 °C

Process connection
- 1/4" BSP(F) (standard)
- Optional process connection available on request

Measuring element
Phosphor bronze bellows

Pressure connector
Free cutting steel

Switch contacts
One SPDT contact system

On-off differential
Adjustable

Electrical rating
10A resistive, 6A Inductive AC 230 V

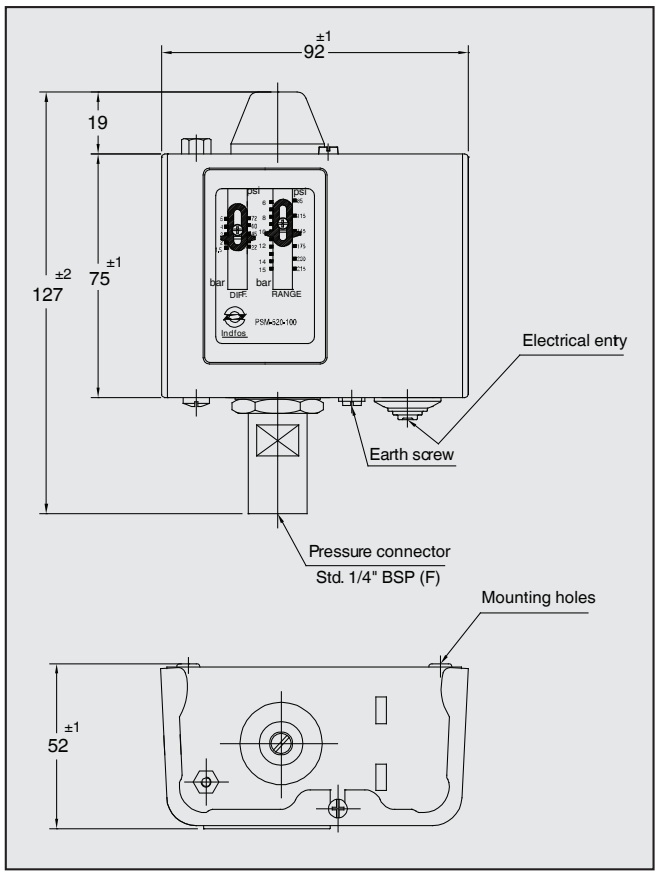
Electrical entry
Via rubber grommet suitable for Ø 6 ... 14 mm cable

Ingress protection
IP33 (unit must be mounted on a flat surface and all unused holes covered)

Mounting
Direct, wall

Conformity
Generally to BS:6134:1991

Dimensions in mm



Ordering matrix

Model	Range	Settable Range	Differen-tial	Max. pressure
	PSI	PSI	PSI	PSI
PSM-520–70	0 ... 70	7 ... 70	6 ... 55	230
PSM-520–100	0 ... 100	10 ... 100	9 ... 85	230
PSM-520–101	(-) 6 ... 100	4 ... 100	9 ... 85	230
PSM-520–200	85 ... 215	106 ... 215	20 ... 70	450
PSM-520–400	85 ... 425	131 ... 425	45 ... 115	610

Reset point (set point minus differential) should be with in the range limits.

Ordering information
Model / optional process connection

Switzer Indfos
A division of the WIKA group