

Liquid Static Pressure Switch

Product Overview

The Liquid Pressure Switch AX-LSPS features a compact design with a standard solenoid valve plug for easy wiring. It provides a wide measuring range (0–500 bar), high overload resistance (up to 1230 bar), and excellent repeatability. Gold-plated contacts are available in NO or NC configurations, offering high switching capacity and long service life.

Operation is based on a spring-loaded piston mechanism: as system pressure changes, the spring deflects, and at the setpoint the mechanism actuates to deliver a switch signal.

Suitable for water, oil, and gas pressure management applications.



Product Features

- Adjustable setpoint
- High overload resistance
- High repeatability and reliable performance
- Measuring range: 0 –40 bar
- Spring-loaded piston mechanism for accurate switching
- Suitable for water, oil, and gas pressure management

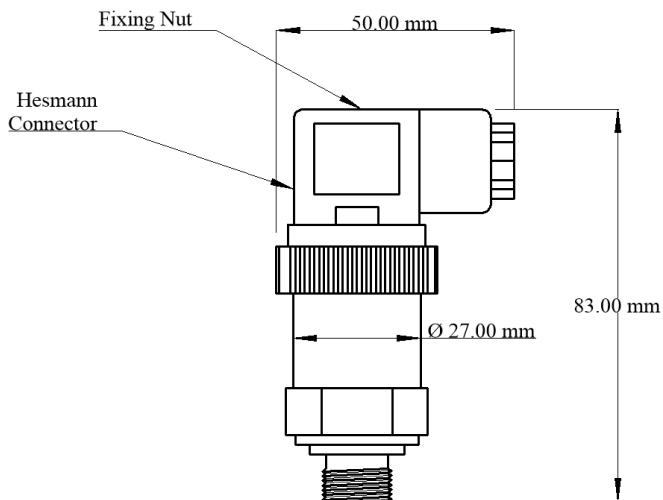
Product Specifications

Hysteresis:	10-15% of set value (Can be chosen when ordering)
Tolerance:	2% of set value
Output:	NO / NC
Contact Rating:	5A @ 250VAC
Contacts:	Gold Plated
Material:	Diaphragm : NBR Piston: Steel with NBR seals
Process Connection:	Galvanized steel & Stainless Steel
Pressure Connection:	G1/4” Male
Housing:	Steel
Mechanical Life:	1 million cycles
Stroke:	90 Strokes/Min (Maximum)
Connections:	DIN 43650 Plug-In Connector
Operating Temperature:	-20°C to 85°C
Unit Weight:	140 grams
Ingress Protection:	IP65
Country Of Origin:	UK

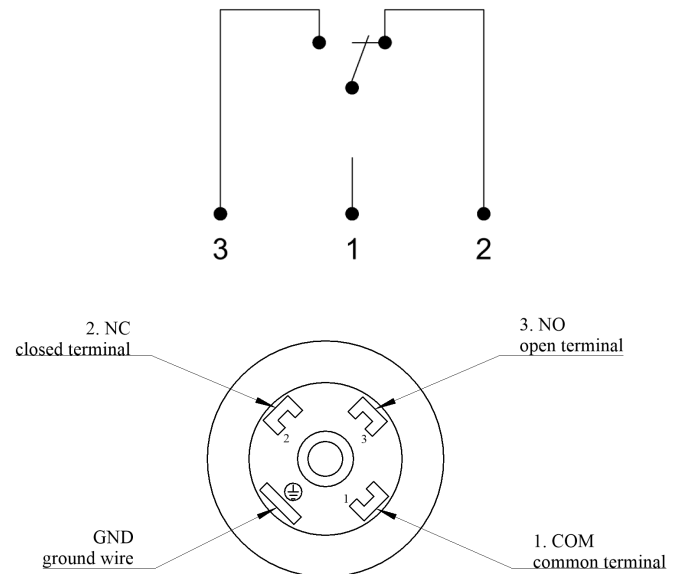
Product Order Codes

Order Code	Description
AX-LSPS-1	Liquid Static Pressure Switch -1 to1Bar, Fixed Hysteresis
AX-LSPS-4	Liquid Static Pressure Switch 0.2 to 4Bar, Fixed Hysteresis
AX-LSPS-11	Liquid Static Pressure Switch 0.5 to 11Bar, Fixed Hysteresis
AX-LSPS-28	Liquid Static Pressure Switch 2 to 28Bar, Fixed Hysteresis
AX-LSPS-40	Liquid Static Pressure Switch 2 to 40Bar, Fixed Hysteresis

Dimensions

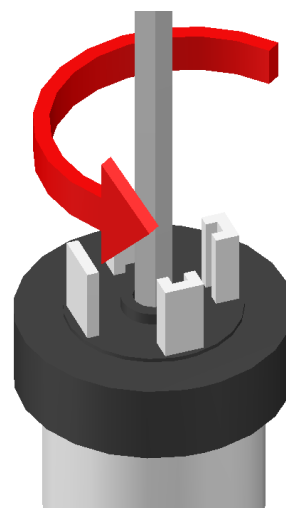
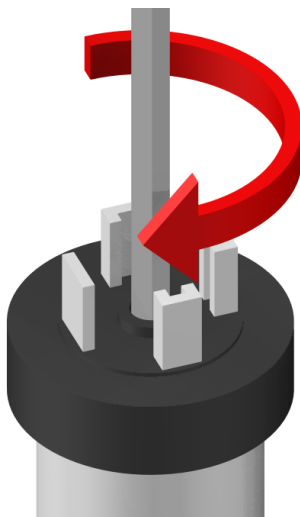


Electrical Connection



Adjusting The Setpoint

- 1- Use a screwdriver to loosen the fixing nut of the Hirschmann connector, then remove the connector. Do not twist the connector left or right, as this may disconnect the internal wiring.
- 2- Use a hex wrench to adjust the pressure switch set point. Turn clockwise to increase the setting and anticlockwise to decrease it.
- 3- The pressure setting is usually factory-adjusted according to customer requirements and does not require on-site adjustment. If on-site adjustment is necessary, use a pressure gauge in line with the equipment or system and increase the pressure to the required value.



Datasheet Contents

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