

Static Pressure Switch

Features



- Suitable for water, steam or air
- Robust construction
- Adjustable switching differences

Specification

Pressure ranges:

Type	Adjustment range
PL-625-2.2	120 to 2200 mbar
PL-625-6	1000 to 6000 mbar
Max. test pressure	10 bar
Max. operating pressure	1 ½ x range
Smallest switching difference	110 mbar
Pressure connection	¼" BSP
Media	Water, air, steam (with pig tail)
Electrical rating	6A (3A) @ 250Vac
Electrical connections	Screw terminals & AMP 6.3mm
Contact system	Changeover contact
Materials:	
Switch case	Fibreglass reinforced plastic
Diaphragm	EPDM
Pressure case	Brass
Dimensions	98 x 65mm
Protection	IP54
Service life	10 ⁶ switching cycles, if the permitted switching difference is respected
Operating range	-10 to +80°C
Origin	Switzerland

Product Codes

PL-625-2.2

Liquid pressure switch 0.12 to 2.2 bar

PL-625-6

Liquid pressure switch 1 to 6 bar

Technical Overview

The PL-625 range of pressure switches are suitable for use with liquids and gases. The unit has adjustable switching threshold.

Reproducibility is $\pm 10\%$ of the switching point.

The rugged mechanics are the assurance of high operating reliability, even in the presence of percussions or vibrations.

Installation

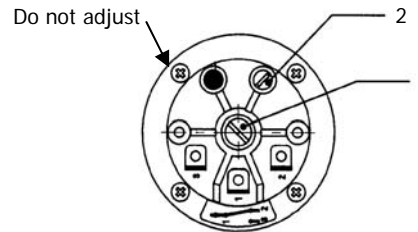
1. The PL-625 should only be installed by a competent, suitably trained technician, experienced in installation with hazardous voltages. ($>50\text{Vac}$ & $<1000\text{Vac}$ or $>75\text{Vdc}$ & 1500Vdc)
2. Ensure that all power is disconnected before carrying out any work on the PL-625.
3. Ensure that the unit is not subjected to ingress by water.
4. The PL-625 will operate in any orientation, but would preferably be mounted in the vertical position.
5. Connect pipe work using a $\frac{1}{4}$ " BSP female adapter onto the $\frac{1}{4}$ " BSP male connector on the switch.

Adjustment of Switching Points

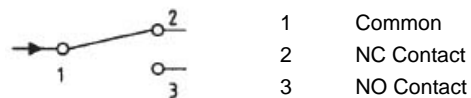
1. For the lower switching point (lower pressure) adjust in clockwise direction. To adjust lower turn counter clockwise.
2. Do not adjust sealed screw, this will void the warranty.
3. Allow pressure to decrease slowly and adjust lower switching point with the main adjusting screw (1). Increase pressure slowly and measure upper switching point.
4. If the upper switching point is too high (switching differential too large) turn adjusting screw (2) clockwise until the desired upper switching point is adjusted.
5. If the upper switching point is too low, turn adjusting screw (2) counter clockwise until the desired upper switching point is adjusted.
6. By raising and lowering the pressure several times check the upper and lower switching points and correct adjustment if necessary.

Adjustment of Switching Points (continued)

7. After adjustment secure all adjusting screws (1,2) with varnish.

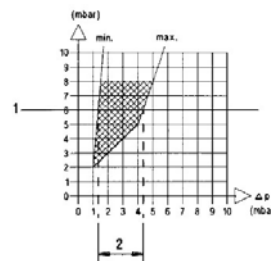


Connections

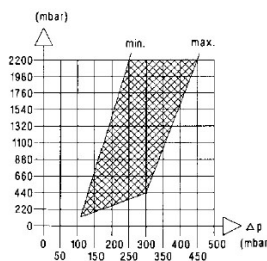


Example of Reading Measurement Values

Enter upper switching point e.g. 6 mbar.
Read the available, adjustable switching difference (in the example 1,4-.4 mbar).



PL-625-2.2:



PL-625-6:

