Liquid Differential Pressure Switch

Features

- Adjustable differential
- Switching 24-240Vac/dc

Specification

Range	0.3 to 4.5 Bar
Factory setting	0.7 Bar
Switching differential	0.2 Bar
Max. Operating Pressure	12 Bar
Max. Test pressure	23 Bar
Pressure connections	¼" BSP female
Ambient temperature	-10°C to +70°C
Media temperature	Max 70°C
Electrical connections	Screw terminals for 1.5mm^2 cable
Switch ratings:	
AC	3A @ 230 Vac
DC	0.1A @230Vdc
Materials:	
Fittings	Brass
Wetted parts	Phosphor bronze
Switch back plate	Zinc plated mild steel
Housing cover	Flame res. polycarbonate
Protection	IP30
Vibration resistance	4G
Country of origin	Czech Republic

Product Codes

PL-FD113
0.3 to 4.5bar Liquid differential pressure switch

Technical Overview

The PL-FD113 liquid differential pressure switch is suitable for the monitoring flow across pumps, chillers, valves etc. Adjustable setpoint in the range 0.3 to 4.5bar. Suitable for non aggressive media such as water, air, oil, diesel, steam etc.
Approximate setpoint can be viewed on the dial at the front of the unit.

Installation

1. The PL-FD113 should only be connected by a competent, suitably trained technician, experienced in installation with hazardous voltages. (>50Vac & <1000Vac or >75Vdc & 1500Vdc). Pressure connections should carried out by a technician qualified to work with the media being monitored.

2. Ensure that all power is disconnected before carrying out any work on the PL-FD113.

3. Ensure that the unit is not subjected to ingress by water.

4. Mount the PL-FD113 using the screws supplied. If the supplied screws are lost, an M4 x 6 screw can be used. This screw must have a depth of 5mm or less.

5. Connect pipe work using ¼" BSP male adapters into the ¼" BSP female fittings on the switch. Low pressure connection is at the top of the switch and the high pressure connection at the bottom as per the diagram opposite.

6. Set the switching point by inserting a screwdriver into the slots wheel above the scale.

It is not recommended that the scale is not used for accurate setting of the switch position.

Electrical Connections

1	Normally open
2	Common
3	Normally closed

Dimensions