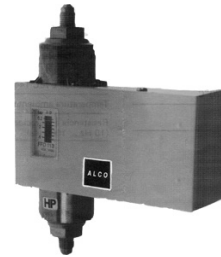


PSD-W Liquid Differential Pressure Switch

PSD-W uses the pressure differential between the 2 inputs to operate an electrical switch. For application in refrigeration and air-conditioning systems e.g. pumps, chillers, valves and compressor oil pressure control.

Suitable for water, air, oil, diesel and up to 30% glycol.



Model Types	Model	Description
	PSD-W	Liquid Differential Pressure Switch, 0.3 to 4.5bar
Technical Data	Range:	0.3 .. 4.5bar
	Differential Pressure:	0.2 bar above the setting
	Max. Differential Pressure:	12 bar
	Switching Contacts:	Inductive (AC) 3A @ 230Vac Inductive (DC) 0.1A @ 230Vdc
	Ambient Temp:	-10 .. +70°C
	Directives:	CE according to Low Voltage Directive
	Media	Water, air, oil, diesel, up to 30% glycol (HFC, HCFC)
	Protection Class	IP30
Pipe Connections:	1/4" BSP Female, Brass	
Dimensions:	W72 x H72 x D63 mm	

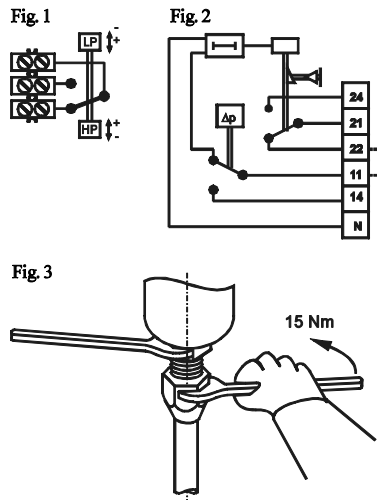
Differential Pressure Setting	The cut-out pressure can be adjusted between 0.3 bar and 4.5 bar (factory setting: 0.7 bar). Cut-in pressure is fixed 0.2 bar above cut-out pressure.
Reset	PSD-W is automatically reset.
Mounting Direction	FD113 Differential Pressure Controls can be mounted in any direction, preferably with pressure connections vertically.
Pressure Connection	Apply Teflon sealant to adapter thread.
Leakage Test	After completion of installation, a test pressure must be carried out as follows: - According to EN378 for systems which must comply with European pressure equipment directive 97/23/EC. - To maximum working pressure of system for other applications.
Testing	Pushing lever 1 (Fig. 0) upwards simulates a pressure rise at the HP side. Pushing lever down during operation simulates a lack of HP.

Wiring Terminals



Caution. The electrical installation, device connection and commissioning can only be carried out by qualified professionals and according to the local wiring regulations!

Wire size must be suitable for electric device connected to the PSD-W.



Safety Instructions

- Read the above installation instructions thoroughly. Failure to comply can result in device failure, system damage or personal injury.
- It is intended for use by persons having the appropriate knowledge and skill.
 - Before opening any system make sure pressure in system is brought to and remains at atmospheric pressure.
 - Ensure supply voltage and current of electric device match rating on PSD-W name plate. Disconnect supply voltage from system and PSD-W before installation or service.
 - Do not exceed test pressure.
 - Keep temperatures within nominal limits.