



PS-DXW Series

Liquid Differential Pressure Switches



Overview

The Series PS-DXW is a differential pressure switch that makes a contact output based on the differential between two pressure sources. Wetted materials of brass and fluoroelastomer are suitable for use with most gases and water based solutions.

Applications

- Indicating filter differential pressure
- Proof of flow indicator monitoring differential pressure from a sensing device
- Proving flow through a pump
- Proving flow through a chiller
- Proving flow through a heat pump or AC unit

Features & Benefits

- NEMA 4X Enclosure
- Low Differential Set Points

Model Selection

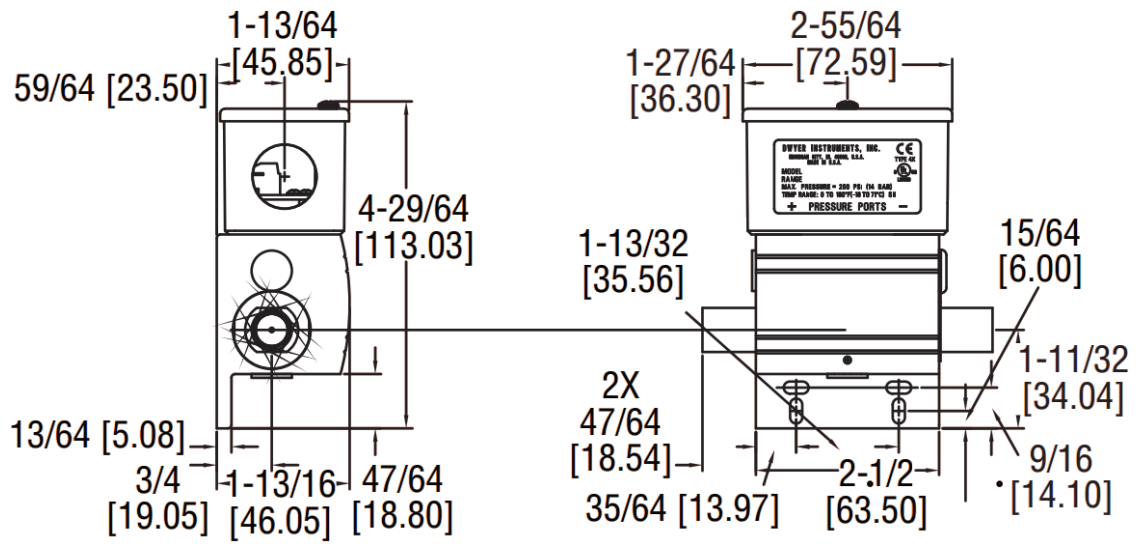
PS-DXW-11-153-1	Wet/wet differential pressure switch with 17.2 to 68.9 kPa (2.5 to 10 psi) range
PS-DXW-11-153-2	Wet/wet differential pressure switch with 68.9 to 172.4 kPa (10 to 25 psi) range
PS-DXW-11-153-3	Wet/wet differential pressure switch with 172.4 to 344.7 kPa (25 to 50 psi) range
PS-DXW-11-153-4	Wet/wet differential pressure switch with 344.7 to 517.1 kPa (50 to 75 psi) range

Product Specifications

Service	Compatible gases and liquids
Wetted Materials:	
<input type="checkbox"/> Connection	Brass
<input type="checkbox"/> Diaphragm	Fluoroelastomer
Temperature Limits	30 to 140°F -1 to 60°C
Pressure Limits	200 psig (13.8 bar) Continuous single side only pressure should not exceed 1.25 x full differential range
Enclosure Rating	Weatherproof UL, type 4X (IP65)
Repeatability	±2% of full range
Switch Type	SPDT snap switch
Electrical Rating	5 A @ 125/250 AC (~), 5 A res. @ 30 VDC (---)
Electrical Connection	Removable terminal block
Conduit Connection	0.871" diameter hole for 1/2" conduit fitting
Process Connection	1/4" NPT female
Mounting Orientation	Ports on horizontal plane, ±10°
Set Point Adjustment	External screw
Housing Materials:	
<input type="checkbox"/> Body	Aluminum
<input type="checkbox"/> Housing	Polycarbonate
<input type="checkbox"/> Cover	300 SS
Vibration and Shock	Set point repeats after 2.5 Gs, 5 to 500 Hz Set point repeats after a 15 Gs, 10 millisecond duration
Altitude Limit	6560 ft (2000 m)
Humidity Limit	80% (non- condensing)
Pollution Degree	2
Environment	Intended for indoor and outdoor use
Weight	1 lb 3 oz (0.54 kg)
Agency Approvals	CE, cUL, UL
Option	For preset unit, add suffix -PRESET to model number, For example: DXW-11-153-1-PRESET

Dimensions

IN
MM



Specifications subject to change without notice.
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