



DESCRIPTION

The **DX Series** 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. The switch can be used for low differential pressure indication with set point on a decrease of pressure as low as 1 psid (0.07 bar). Differential set point ranges are available from 2.5 to 75 psid (0.17 to 5.17 bar) on increasing differential pressure and 1.0 to 67 psid (0.07 to 4.62 bar) on decreasing differential pressure. Unit features a high static pressure rating of 200 psig (13.8 bar) for higher static pressure applications. Standard is a weatherproof, UL type 4X, enclosure for dust laden, outdoor, or wash-down installation environments. **DX Series** incorporates an externally adjustable set point, integral mounting flange and a removable electrical terminal block for quick and easy installation. The DX uses opposing diaphragms to sense the high and low pressure with a pivot mechanism that transfers the difference of the two pressures to the SPDT switch.

FEATURES

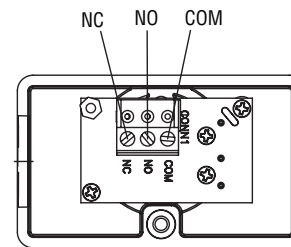
- **Weatherproof UL type 4X (IP65) enclosure**
- **External adjustable setpoint**
- **Removeable terminal block for easy installation**

NEW!



DX-2

WIRING



VIEW OF TERMINAL BLOCK
INSIDE SWITCH HOUSING

SPECIFICATIONS

Repeatability	±2% of full range	Environment	Intended for indoor and outdoor use
Operating Pressure	200 psig (13.8 bar). Continuous single side only pressure should not exceed 1.25 x full differential range	Altitude Limits	6560 ft (2000 m)
Operating Humidity	80%, non-condensing	Conduit Connection	0.871" diameter hole for 1/2" conduit fitting
Operating Temperature	30° to 140°F (-1° to 60°C)	Housing Material	Body: Aluminum; Housing: Polycarbonate; Cover: 300 stainless steel
Enclosure Rating	Weatherproof UL type 4X (IP65)	Media Compatibility	Compatible gases and liquids
Process Connection	1/4" FNPT	Mounting Orientation	Ports on horizontal plane, ±10°
Electrical Rating	5 A @ 125/250 VAC, 5 A res. @ 30 VDC	Switch Type	SPDT snap switch
Electrical Connection	Removable terminal block	Wetted Materials	Connection: Brass; Diaphragm: Fluoroelastomer
Setpoint Adjustment	External screw	Approvals	CE, cULus File #E38121
Vibration and Shock	Set point repeats after 2.5 Gs, 5 to 500 Hz. Set point repeats after a 15 Gs, 10 ms duration	Weight	1.2 lb (0.5 kg)
Pollution Degree	2	Warranty	1 year

ORDERING INFORMATION

MODEL	DESCRIPTION
DXW-11-153-1	Wet/Wet differential pressure switch, 2.5-10 psi
DXW-11-153-2	Wet/Wet differential pressure switch, 10-25 psi
DXW-11-153-3	Wet/Wet differential pressure switch, 25-50 psi
DXW-11-153-4	Wet/Wet differential pressure switch, 50-75 psi