

Explosion Proof Diaphragm Switch

D1X, D2X Series

Features

- ▶ Hermetically sealed
- ▶ Explosion proof housing for hazardous location
- ▶ Tamper proof setpoint adjustment
- ▶ Ideal for pressure or vacuum

Applications

- ▶ Pump & compressor monitoring
- ▶ Hydraulic power units
- ▶ Oil & gas
- ▶ Food & beverage
- ▶ Utility & power generation
- ▶ Mining

General Specifications*

Accuracy:	± 0.5% of the adjustable range
Switch: Type: Rating:	Single pole double throw (SPDT) Snap Action; single circuit 10 amps @ 125/250 VAC; 3 amps @ 480 VAC (Class A or H limit switch). Consult sales drawing for ratings of optional limit switches.
Wetted Parts: Process Fitting: Diaphragm: Enclosure:	303 stainless steel 17-7 PH stainless steel Die-cast aluminum, anodized and painted
Electrical Connection:	Screw terminals on covered terminal strip via 1/2" NPT (D1X) and 3/4" NPT (D2X) conduit fittings.
Enclosure Ratings:	NEMA 4, 7, 9
Pressure Connection:	1/4" NPT Female
Approvals: UL (standard):	All models are UL approved for use in hazardous locations Class I, Groups B, C, & D; Class II, Groups E, F, & G. UL File No. E37043

* See product configurator for additional options.

Wiring Code

Lead	Circuit #1		Circuit #2	
	Pressure	Vacuum	Pressure	Vacuum
Normally Closed	Blue	Red	Orange	Yellow
Common	Purple	Purple	Brown	Brown
Normally Open	Red	Blue	Yellow	Orange



Approvals (cont.): CSA (standard): ATEX (optional):	All models are CSA approved for use in hazardous locations Class I, Groups B, C & D; Class II, Groups E, F, & G. CSA File No. LR22354 EX models are ATEX marked as follows: CE 0081, ISSEp 08 ATEX024X II 2G D, Ex d IIC T6 Ex tD A21 IP65 T80°C -40°C ≤ Tamb ≤ +75°C
Temperature Range: Operating: Storage:	-65° to +165°F (-54° to +74°C) -65° to +200°F (-54° to 93°C)
Adjustment Instructions: Pressure: Vacuum:	Turn adjustment screw counterclockwise to raise actuation point. Turn adjustment screw clockwise to increase setpoint (higher vacuum).
Options:	- Factory pre-set
Shipping Weight:	7.0 lbs. approximate

Wiring Diagram

