# **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
- UL, CSA, ATEX approved
- ► NEMA 4, 7, 9 & IP66

### **Applications**

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

### **General Specifications\***

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Accuracy:	± 0.5% of the adjustable range		
Switch: Type:	Single pole double throw (SPDT) Snap Action; single circuit		
Rating:	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:	303 stainless steel		
Diaphragm:	17-7 PH stainless steel		
Enclosure:	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 connection.		
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		

<sup>\*</sup> See product configurator for additional options.

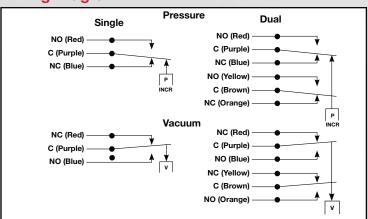
### **Wiring Code**

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):	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	
ATEX (optional):	EX models are ATEX marked as follows: <b>C</b> € 0081, ISSeP 08 ATEX024X	
Temperature Range:		
Operating:	-40° to +165°F (-40° to +74°C)	
Storage:	-65° to +200°F (-54° to 93°C)	
Adjustment Instructions: Pressure:	Turn adjustment screw counterclockwise to raise actuation point.	
Vacuum:	Turn adjustment screw clockwise to increase setpoint (higher vacuum).	
Options:	Factory pre-set	
Shipping Weight:	Single - approximate 5.0 lbs. Double - approximate 5.5	

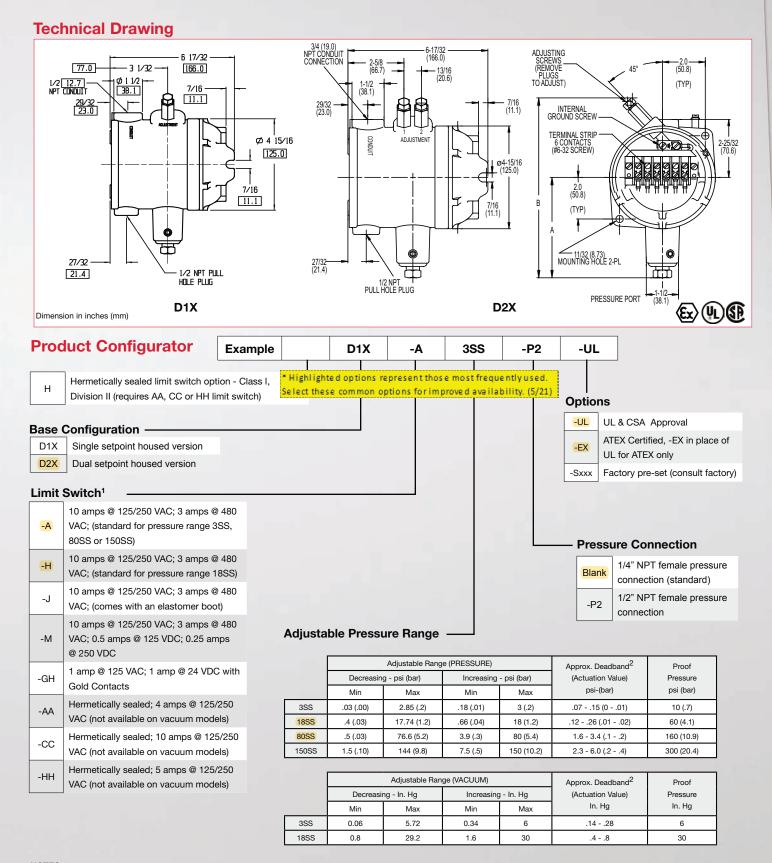
### **Wiring Diagram**





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#### NOTES:



<sup>&</sup>lt;sup>1</sup> Consult Supplemental Guide for specific deadband values

<sup>&</sup>lt;sup>2</sup> Deadband values indicated when used with the "standard" limit switch