

Diaphragm Switch

D1S, D2S, D1H, D2H Series

Features

- ▶ Stripped and housed versions available
- ▶ High accuracy
- ▶ Ideal for pressure or vacuum
- ▶ Easy setpoint adjustment
- ▶ NEMA 4 (Housed Models)
- ▶ Up to 3 setpoints available in one switch

Applications

- ▶ Pump & compressor monitoring
- ▶ Engine monitoring
- ▶ Machine tools
- ▶ Hydraulic power units
- ▶ Medical equipment
- ▶ Waste management
- ▶ Food & beverage
- ▶ Factory automation
- ▶ Metal working



General Specifications*

Accuracy:	± 0.5% of the adjustable range
Switch: Type: Rating:	Single pole double throw (SPDT) Snap Action; single or dual 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:	304 stainless steel 17-7 PH stainless steel Anodized aluminum (housed models)
Electrical Connection:	Free leads approximately 18" long, #16 AWG and 1/2" NPT conduit connection for housed models
Enclosure Ratings:	Housed Models: NEMA 4 Stripped Models: NEMA 1
Pressure Connection:	1/4" NPT Female
Approvals: UL (optional):	Stripped (D1S and D2S) models may be ordered as UL Recognized components (UR) on request. Housed (D1H and D2H) models may be ordered as UL Listed on request (UL File No. E42816).

Approvals (cont.): CSA (optional):	All models may be ordered as CSA listed under Class 3231 02, File LR22355 on request.
PED (European):	Compliant to PED 97/23/EC
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:	- NEMA 4X enclosure (housed models only) - Cleaned for oxygen service - Factory pre-set
Shipping Weight:	Stripped Versions: 1.5 lbs. approximate Housed Versions: 1.75 lbs. approximate

* 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

Wiring Diagram

