

Diaphragm Differential Switch

Series *DPD1T, DPD2T*

Features

- ▶ High reliability
- ▶ Dual switching capability
- ▶ High accuracy
- ▶ Tamper-proof external adjustment
- ▶ NEMA 4

Applications

- ▶ Pump & compressor monitoring
- ▶ HVAC systems
- ▶ Engine monitoring
- ▶ Machine tools
- ▶ Hydraulic power units
- ▶ Filtration systems
- ▶ Metal working
- ▶ Utility & power generation



General Specifications*

Electrical Characteristics:	All models incorporate Underwriters Laboratories, Inc. and CSA Listed single pole double throw snap-action switching elements.
Accuracy:	± 0.5% of the adjustable range
Switch: Type:	SPDT snap action; single or dual circuit
Rating:	10 amps @ 125/250 VAC; 3 amps @ 480 VAC (Class A or H limit switch). Consult product configurator for ratings of optional limit switches.
Wetted Parts: Diaphragm:	17-7 PH stainless steel
Seals:	Viton®
Enclosure:	Die-cast aluminum anodized
Other Parts:	Nickel plated aluminum 300 series stainless steel
Electrical Connection:	Screw terminals on covered terminal strip through 1/2" NPT conduit fitting
Enclosure Ratings:	NEMA 4
Pressure Connection:	1/8" NPT female high + low

Approvals/Listings: PED (European):	Compliant to PED 97/23/EC
Temperature Range: Operating:	-65°F to +165°F (-54°C to +74°C)
Adjustment Instructions: Pressure:	Turn adjustment screw clockwise to decrease pressure difference; counterclockwise to increase pressure difference
Vacuum Differential:	Turn adjustment screw counterclockwise to decrease vacuum difference; clockwise to increase vacuum difference
Options:	-Factory pre-set -NEMA 4X enclosure
Shipping Weight:	Single & dual - approximate 3.50 lbs.

* 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

(contact status at atmospheric pressure)

