

Terminal Block Diaphragm Switch

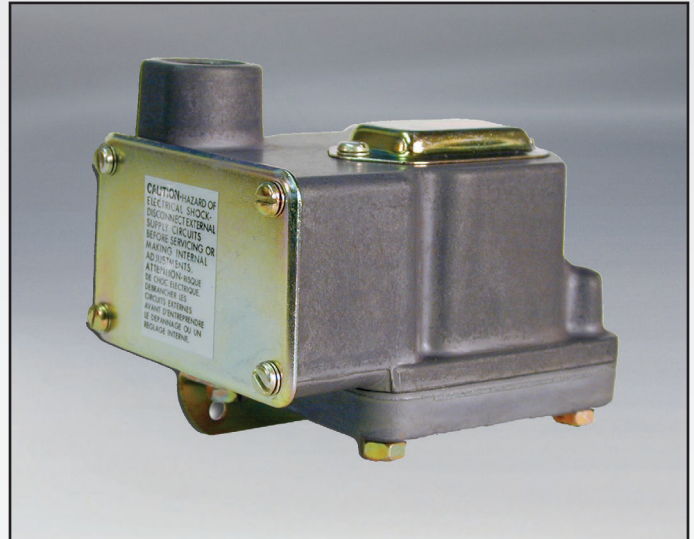
D1T, D2T Series

Features

- ▶ High reliability
- ▶ High accuracy
- ▶ NEMA 4
- ▶ Ideal for pressure and vacuum applications
- ▶ Single and dual switching capability
- ▶ Tamper-proof external adjustment

Applications

- ▶ Machine tools
- ▶ Pneumatics
- ▶ Medical
- ▶ Marine & shipbuilding
- ▶ Pump & compressor monitoring
- ▶ Oil & gas
- ▶ Water equipment
- ▶ Mining
- ▶ Lubrication equipment



General Specifications*

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:	304 stainless steel
Diaphragm:	17-7 PH stainless steel
Enclosure:	Anodized aluminum
Electrical Connection:	Terminal block through 1/2" NPT conduit connector
Enclosure Rating:	NEMA 4
Pressure Connection:	1/4" NPT Female
Approvals:	
UL (Optional):	D1T models may be ordered as UL listed on request. D2T models may be ordered as UL Recognized components on request. File No. E42816
CSA (Optional):	All models may be ordered as CSA listed under Class 3231 02, File LR22355 on request.

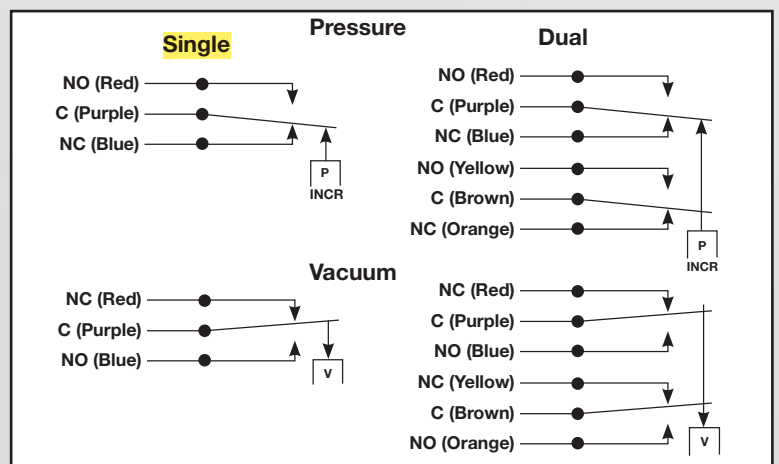
* See product configurator for additional options.

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.):	
PED (European):	Compliant to PED 97/23/EC
Temperature Range:	
Operating:	-40° to +165°F (-40° to +74°C) Hermetic Div. 2 models: -4° to +140°F (-20° to +60 °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:	- NEMA 4X enclosure - Cleaned for oxygen service - Factory pre-set - Six-pin terminal block
Shipping Weight:	2.0 lbs. approximate

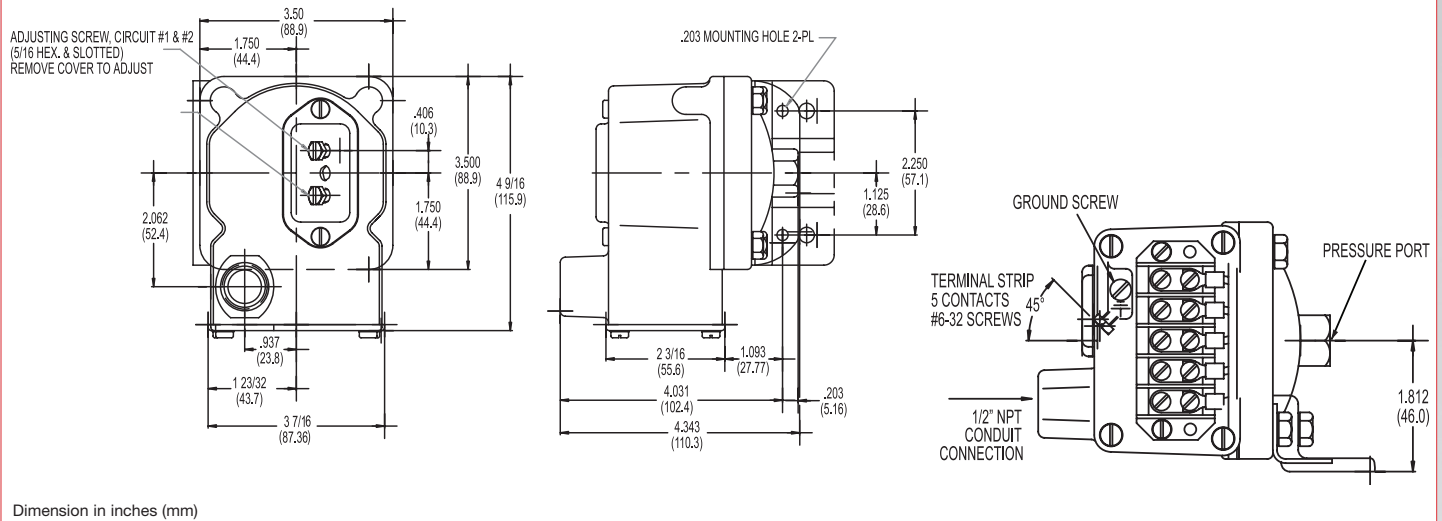
Wiring Diagram



Terminal Block Diaphragm Switch

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Technical Drawing



Product Configurator

Example	D1T	-A	80SS	-U																																																																															
H	Hermetically sealed limit switch option - Class I, Division II (requires AA, CC, GH or HH limit switch)																																																																																		
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Base Configuration D1T Single setpoint housed with terminal block D2T Dual setpoint housed with terminal block																																																																																			
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NOTES:
¹ Consult Supplemental Guide for specific deadband values

² Deadband values indicated when used with the standard "H" limit switch

³ Not available with hermetically sealed limit switches (no CSA)