



Pressure Switches



What is Pressure Switch Differential?

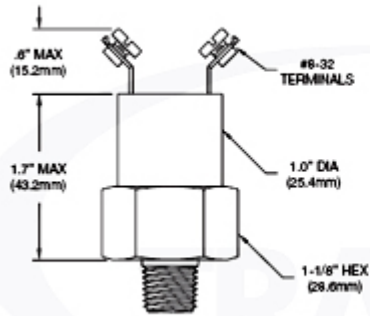
We are asked quite often on [our pressure switches](#), "what is differential?"

Differential is a distinct change in pressure (or Temperature on [our temperature switches](#)) that is necessary to reset a snap action pressure switch to its original state.

This feature prevents "searching / chattering" (as with older creeper technologies) and maximizes switch and system life. Most snap action switches normally have about a 10% differential.

An example: If the switch is set at 50 psi on the rise, once tripped the pressure would have to drop to around 45 psi for the switch to reset to its either normally open or normally closed state. By selecting certain springs and microswitches in the manufacturing process, you can either increase or decrease differential to meet your application.

DIMENSIONS



Dimensions in Inches And Are Reference Only.

SPECIFICATIONS

Set Point Range	10 – 300 PSI	(.69 – 20 Bar)
Set Point Tolerance	±1 PSI or 5%	(.07 Bar)
Maximum Operating Pressure	2000 PSI	(137 Bar)
Proof Pressure	6000 PSI	(413 Bar)
Differential	12 – 24%	
Current Rating	5 A @ 250 VAC	
	5 A @ 30 VDC (Resistive)	
Media Connection	See Order Chart Below for Options	
Circuit Form	Optional SPST-NO or SPST-NC	
Electrical Connection	See Order Chart Below for Options	
Diaphragm material	Buna N	
Cycle Life	1 Million	

[Contact us](#) with any questions about our pressure switches to help with your application needs.

Featuring - Transducers Direct Low Cost Pressure Transducers

Transducers Direct has responded to the industry need for a low cost, accurate, industrial pressure transducer by adding two new low cost pressure transducers, the [TDH30](#) for under \$80 available in 18 different configurations, and the [TDH40](#) for under \$120 available in 36 different configurations.

[Transducers Direct Low Cost Pressure Transducers](#)

Pressure Transducer TDH30

- **Low Cost**
- *Industrial* Grade Pressure Transducer
- **Starting at \$79**
- 1.5x Over Pressure
- 0-5V and 4-20mA Outputs
- 9.4 Mini Din Electrical Connector
- 1% Accuracy



Pressure Transducer TDH40

- **Low Cost, Higher Accuracy**
- *Industrial* Grade Pressure Transducer
- **Starting at \$119**
- 1.5x Over Pressure
- 0-5V and 4-20mA Outputs
- M12 Electrical Connector
- 0.4% Accuracy
- **TDH40 Low Cost Pressure Transducer- Cable**



Pressure Transducers

Our Pressure Transducers are used successfully in many industrial applications.

See all our [Pressure Transducers](#)

See [Transducer Applications](#) we cover



- Food and Beverage Industry
- Pumps and Compressors
- Agricultural Equipment
- Energy and Water Management
- Construction Equipment
- High Pressure Wash Down Applications
- Hydraulic / Pneumatic Systems

Transducers Direct Products



- [All Products](#)
- [Pressure Transducers](#)
- [Linear Position Transducers](#)
- [Melt Pressure Transducer](#)
- [In Cylinder Linear Transducers](#)
- [Digital Meters / Controllers](#)
- [Converters / Time-to-Digital Converters](#)
- [Industrial Cables](#)
- [Pressure Switches](#)
- [Temperature Switches](#)
- [Flow Meters and Switches](#)
- [Liquid Level Switches](#)
- [Tire Pressure Gauges](#)
- [Industrial Surplus Overstock](#)

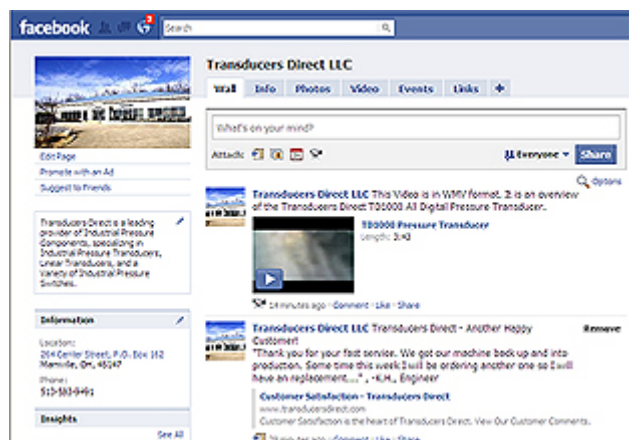
Customer Spotlight

"Dwain, We can not thank you enough for taking the time to locate what we needed out of your stock, getting us the information and getting it out the same day. We had a customer who went from being upset to happy in a hurry. We do not always experience this level of help, esp...ecially on a phone inquiry. I just wanted to let you we do appreciate your help. Thank you!" J.F, Sales Coordinator



Visit Us on Facebook

[Transducers Direct Facebook Page](#)



✉ **SafeUnsubscribe**®

This email was sent to adahlenburg@transducersdirect.com by marketing@transducersdirect.com.

Instant removal with [SafeUnsubscribe](#)™ | [Privacy Policy](#).

Transducers Direct | 264 Center Street | Miamiville | OH | 45147

Email Marketing by

