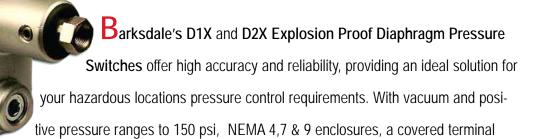
Explosion Proof Diaphragm

D1X, D2X Series

- ♦ Hermetically Sealed
- → Tamper Proof Setpoint
 - Adjustment



strip and tamper-proof external adjustment, Barksdale D1X and D2X Explosion Proof

Diaphragm Pressure Switches meet your needs in a wide variety of applications. These switches are available in single setting or dual control. An internal set screw allows for easy internal adjustment of setpoints. For applications requiring a highly accurate switch in a durable package, Barksdale's Explosion Proof Diaphragm Pressure Switches are the ideal choice.



TR Automatyka Sp. z o.o.

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e-mail: biuro@trautomatyka.pl

With Barksdale - Pressure's No Problem

As a recognized leader in the manufacture of pressure product solutions, Barksdale pressure switches meet the demanding needs of our customers. From 29" Hg to 18,000 psi, Barksdale has pressure switches for a variety of applications – from transformers to naturalgas compressors to be everage dispensers – and more!

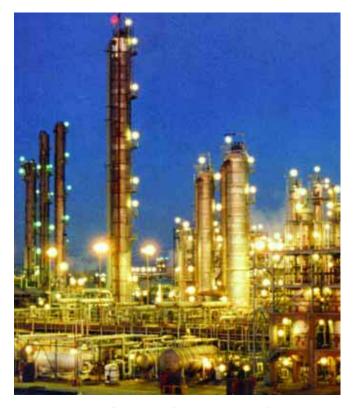
Barksdale's Diaphragm Pressure Switches

provide an econom ical solution for your pressure sensing needs. Diaphragm switches accurately control pressures from 30 inches of mercury vacuum to 150 psipositive pressure, and can be factory pre-setupon request. Setpoint adjustment is easily accomplished by turning the adjustment screws, which are protected by a tamper-resistant cover on housed models. A variety of available factory options allows the diaphragm switches to be configured to the exact needs of your application.

Diaphragm Pressure Switch Applications

With its economical design and high repeatability, Barksdale's **Diaphragm Pressure Switches** provide an accurate and reliable solution for pressures up to 150 psi, making them ideal for use in:

- Pump & CompressorMonitoring
- ·Airproving in HVAC Systems
- Engine Monitoring
- M achine Tools
- Hydraulic PowerUnits



Need Something Special?

Hyou have special product requirements, we can help. Barksdale specializes in custom design solutions to meet your needs. Our reputation is built on creating custom products for customers committed to getting exactly what they need. We have design engineers and technical specialists who are experts in solving your unique pressure problems. Our technology and resources are at your disposal.

Electrical Characteristics

All models incorporate Underwriters Laboratories, Inc. and CSA Listed single pole double throw snap-action switching elements.

Performance Characteristics

Accuracy Switch

± 0.5% of the adjustable range

Type

SPDT Snap Action; single or dual circuit

Rating 10 Amps @ 125/250 VAC; .5 Amps @

24 VDC (Class A or H limit switch). Consult sales drawing for ratings of

optional limit switches.

Physical

Shipping Weight 7.0 lbs. approximate

Wetted Parts

Process Fitting 303 Stainless Steel Diaphragms 17-7 PH Stainless Steel

Enclosure Die-Cast Aluminum, anodized and

painted

NEMA 4, 7, 9 Ratings **Pressure Connection** 1/4" NPT Female

Screw terminals on covered terminal **Electrical Connection**

strip via 1/2" NPT (D1X) and 3/4" NPT

(D2X) conduit fittings

Approvals

UL 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

All models are CSA approved for use in **CSA**

hazardous locations Class I, Groups B, C, & D; Class II, Groups E, F, & G.

CSA File No. 022354-0-000

ATEX Compliant to EExd IIC T6; EC Certificate No. LCIE ATEX 6027 X

PED (European) Compliant to PED 97/23/EC

Environmental

Temperature Range

Operating -65° to $+165^{\circ}$ F (-7° to +74°C) -40° to +200°F (40° to 200°C) Storage

Adjustment Instructions

Pressure Turn adjustment screw

counterclockwise to raise actuation

point.

Turn adjustment screw clockwise to Vacuum

increase setpoint (higher vacuum)

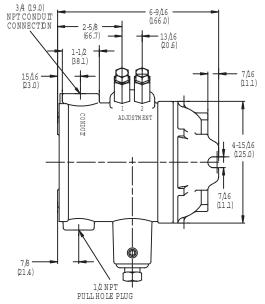
	WIRING CODE					
Lead	Circuit #1		Circuit #2			
	Pressure	Vacuum	Pressure	Vacuum		
NormallyClosed	Blue	Red	0 range	Yelbw		
Common	Pumple	Pumple	Brown	Brown		
NomallyOpen	Red	Blue	Yelbw	0 range		

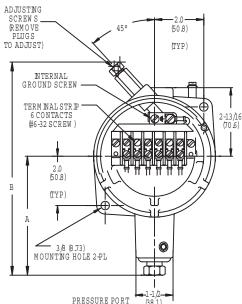
Contact Factory for These Options

1/2" NPT female pressure connection Hermetically sealed switch elements

NEMA 4X, 7, 9 enclosure Cleaned for Oxygen Service

Factory pre-set





Explosion Proof Diaphragm

D1X, D2X Series

HHermetically sealed limit switch (optional); Class 1 Division 2. Requires Class AA, CC, or HH limit switch.

Basic Configuration D1X Single setpoint housed

Limit Switch

- D2X | Dual setpoint housed | -A | 10 Amps @ 125/250 VAC; 3 Amps @ 480 VAC; .5 Amp @ 24 VDC (standard for 3SS, 80SS, and 150SS ranges)
 - B 10 Amps @ 125/250/480 VAC; 2 Amps @ 600 VAC; 15 Amps @ 12 VDC (consult dales drawing for deadband values)
 - -H 10 Amps @ 125/250 VAC; 3 Amps @ 480 VAC; .5 Amp @ 24 VDC (standard for 2SS and 18SS ranges)
 - -J 10 Amps @ 125/250 VAC; 3 Amps @ 480 VAC; 0.5 Amps @ 24 VDC (consult sales drawing for deadband values)
 - -M 10 Amps @ 125/250 VAC; 3 Amps @ 480 VAC; 15 Amps @ 12 VDC; 2 Amps @ 24 VDC (consult sales drawing for deadband values)
 - -GH 1 Amp @ 125 VAC; 1 Amp @ 24 VDC Gold Contact (consult sales drawing for deadband values)
 - -AA Hermetically sealed; 4 Amps @ 125/250 VAC
 - (consult sales drawing for deadband values)
 -CC Hermetically sealed; 10 Amps @ 125/250 VAC
 - (consult sales drawing for deadband values)
 -HH
 Hermetically sealed; 5 Amps @ 125/250 VAC
 (consult sales drawing for deadband values)

PRESSURE SWITCHES

Adjustable Range

	Adjustable Range				Approx. Deadband	Proof
	Decreasing - psi (bar)		Increasing - psi (bar)		(Actuation Value)	Pressure
	Min	Max	Min	Max	psi-(bar)	psi (bar)
388	.03 (0)	2.85 (.2)	.18 (.01)	3 (.2)	.0715 (001)	10 (.7)
18SS	.4 (.03)	17.74 (1.2)	.66 (.04)	18 (1.2)	.1226 (.0102)	60 (4.1)
8088	.5 (.03)	76.6 (5.2)	3.9 (.3)	80 (5.4)	1.6 - 3.4 (.12)	160 (10.9)
150SS	1.5 (.1)	144.0 (9.8)	7.5 (.5)	150 (10.2)	2.3 - 6.0 (.24)	300 (20.4)

VACUUM SWITCHES

		Adjustable Range				Approx. Deadband	Proof	
		Decreasing - In. Hg Incre		Increasing	ı - In. Hg	(Actuation Value)	Pressure	
		Min	Max	Min	Max	In. Hg	In. Hg	
ı	388	0.06	5.72	0.34	6	.1428	6	
ı	1855	0.8	29.2	1.6	30	.48	30	
		-P2	1/2" NPT female pressure fitting (Optional)					
		=>/	NEMA AV I					

Options

-P2 1/2" NPT female pressure fitting
-FX NEMA 4X enclosure
-Z1 Oxygen cleaned
-SXXX Factory pre-set (consult factory)
- UL UL Approval

Example: D1X-A3SS

Miscellaneous: Paper Tag: \$5.00

Metal Tag:

\$10.00



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