Stripped and Housed Diaphragm

D1S, D2S, D1H, D2H, D3H Series



- Stripped and Housed
 - Versions Available
- High Accuracy
- ♦ Ideal for Pressure or
 - Vacuum
- - Adjustment
- ♦ NEMA 4 (Housed Models)
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Barksdale's Diaphragm Pressure Switches offer superior accuracy in a robust package, making them the ideal solution to your industrial pressure control needs.

Diaphragm switches are an excellent choice for applications demanding instrument class accura-

cy and where pressure pulsations are less than 25 cycles per minute. Available in various pressure ranges up to 150 psi, diaphragm switches are suitable for use in either positive pressure or vacuum applications. Single, dual, and triple circuit models are available. Housed models (D1H & D2H) feature a durable, anodized aluminum enclosure with an integrated 1/2" NPT conduit connector, a tamper-resistant cover for the setpoint adjustment screws, and are rated to NEMA 4 as a standard. For applications requiring a highly accurate switch in a durable package, Barksdale's Diaphragm Pressure Switches are the



ideal choice.

D₁H

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 natural gas compressors to beverage dispensers – and more!

Barksdale's D1S, D2S, D1H, D2H, D3H
Diaphragm Pressure Switches provide an economical solution for your pressure sensing needs. Diaphragm switches accurately control pressures from 30 inches of mercury vacuum to 150 psi positive pressure, and can be factory pre-set upon 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 D1S, D2S, D1H, D2H, D3H Diaphragm Pressure Switches** provide an accurate and reliable solution for pressures up to 150 psi, making them ideal for use in:

- Pump & Compressor Monitoring
- Air proving in HVAC Systems
- Engine Monitoring
- Machine Tools
- Hydraulic Power Units



Need Something Special?

If you 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.

Need More Information?

Call us. We are only a phone call away. Toll-Free 1-800-835-1060.



Electrical Characteristics

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

Performance Characteristics

Accuracy Switch \pm 0.5% of the adjustable range

Type Rating SPDT Snap Action; single or dual circuit 10 Amps @ 125/250 VAC; .5 Amps @ 24 VDC (Class A or H limit switch). Consult sales drawing for ratings of optional limit

Physical

Shipping Weight

Stripped Versions 1.5 lbs. approximate
Housed Versions 1.75 lbs. approximate

Wetted Parts

Process Fitting 304 Stainless Steel
Seals & Diaphragms 17-7 PH Stainless Steel

Enclosure Anodized Aluminum (housed models)

switches.

Ratings Housed Models: NEMA 4; Stripped Models: NEMA 1

Pressure Connection 1/8" NPT Female

Electrical Connection Free leads approximately 18" long, #16

AWG

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).

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

Environmental

Temperature Range

Operating -20° to +165°F (-29 to +74°C) Storage -40° to +200°F (40 to +93°C)

Adjustment Instructions

Pressure Turn adjustment screw counterclockwise to

raise actuation point.

Vacuum Turn adjustment screw clockwise to

increase setpoint (higher vacuum)

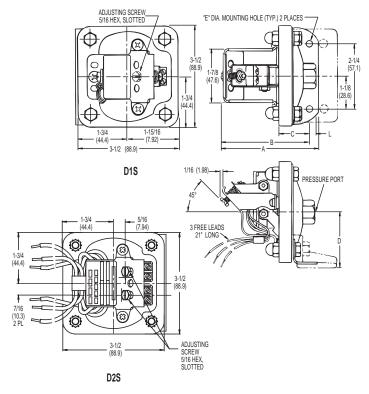
WIRING CODE				
Lead	Circuit #1		Circuit #2	
	Pressure	Vacuum	Pressure	Vacuum
NormallyClosed	Blue	Red	Orange	Yellow
Common	Purple	Purple	Brown	Brown
NormallyOpen	Red	Blue	Yellow	Orange

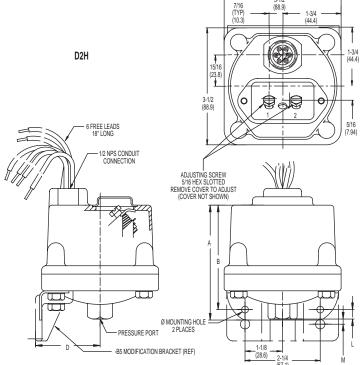
Contact Factory for These Options

NEMA 4X Enclosure (housed models only)

Cleaned for Oxygen Service

Factory pre-set



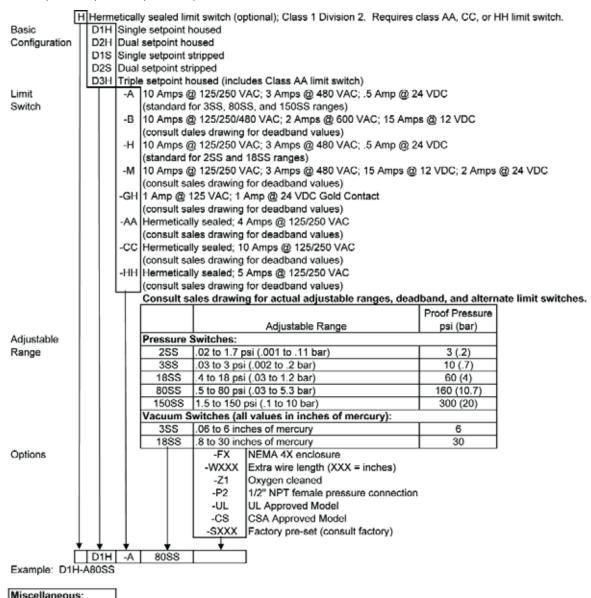


Stripped and Housed Diaphragm

Paper Tag: Metal Tag:

\$10.00

D1S, D2S, D1H, D2H, D3H Series



Barksdale CONTROL PRODUCTS

3211 Fruitland Avenue • Los Angeles, CA 90058 • ☎ 800-835-1060 • Fax: 323-589-3463 • www.barksdale.com