

## Features

- ▶ Compact size
- ▶ Multiple electrical connections
- ▶ SPDT snap action micro-switch
- ▶ NEMA 1 or 4 (depending on electrical connection)
- ▶ Factory preset or field adjustable
- ▶ Available in stainless steel

## Applications

- ▶ Air proving in HVAC systems
- ▶ Engine monitoring
- ▶ Hydraulic power units
- ▶ Mobile hydraulics
- ▶ Pump or compressor control
- ▶ Hydraulic and pneumatic braking systems



## General Specifications\*

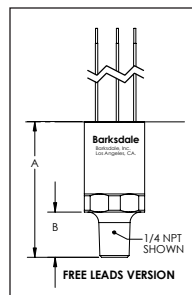
Electrical Characteristics:	All models incorporate Underwriters' Laboratories, Inc. and CSA Listed single pole double throw snap-action switching elements.
Accuracy:	±8% typical
Switch:	SPDT snap action; single circuit
Wetted Parts:	
Diaphragm type: (ranges 2, 3)	300 series stainless steel fitting and Buna-N diaphragm.
Piston type: (ranges 4, 5)	300 series stainless steel fitting.
Electrical Connection:	See product configurator for electrical connection options.
Enclosure Ratings:	NEMA 1; NEMA 4
Pressure Connection:	1/4" NPT (standard)

\* See product configurator for additional options.

Approvals:	
UL:	Recognized components per UL 508 standard, industrial control equipment.
CSA:	Listed per CSA Guide 380-W1.16 class 3231
PED (European):	Compliant to PED 97/23/EC standard
Temperature Range:	
Operating:	-40° to +180°F - piston type 0° to 180°F - diaphragm type
Storage:	-40° to +200°F
EMI/RFI:	
Vibration:	10 g's per MIL-STD 202, method 204, condition A
Shock:	50 g's per MIL-STD 202, method 213, condition A
Adjustment Instructions:	
Pressure Setpoint:	Turn adjustment screw clockwise to increase pressure; counterclockwise to decrease pressure.
Shipping Weight:	Stainless steel: approximate .25 lbs.

## SS Fitting Dimension

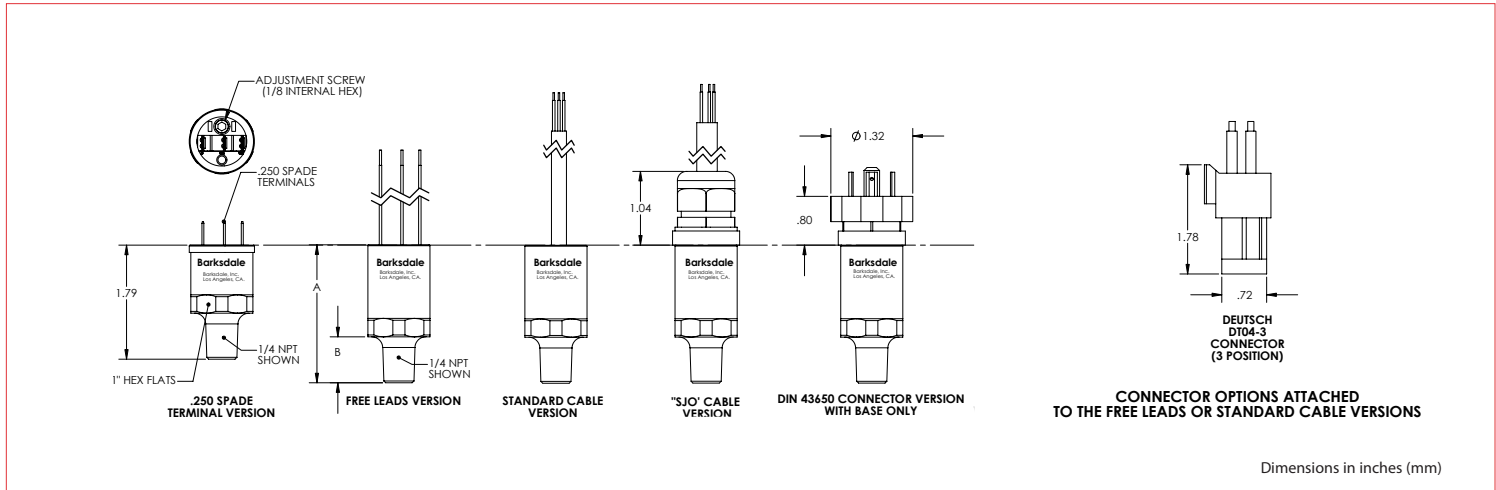
FITTING	DIMENSION 'A'	DIMENSION 'B'
1/4 NPT	2.25 [57.15]	.75 [19.05]
1/8 NPT	2.62 [66.55]	1.10 [27.94]
* 7/16 NPT	2.25 [57.15]	.75 [19.05]
* G 1/4	2.25 [57.15]	.75 [19.05]



## Wiring Code

CONTACT	FREE LEADS	PVC GRAY CABLE	TYPE 'SJO' CABLE	DIN 43650 TYPE CONNECTOR
COMMON	PURPLE	WHITE	WHITE	POSITION 1
NORMALLY OPEN	RED	RED	GREEN	POSITION 3
NORMALLY CLOSED	BLUE	BLACK	BLACK	POSITION 2

## Technical Drawing



## Product Configurator

Example 72 4 S -2 4 -1 B

### Basic Configuration

71	Factory set & permanently locked
72	Field adjustable
73	Field adjustable with factory pre-set

### Pressure Range

Range	Adjustable Range				Approx. Deadband (Actuation Value)	*Operating Pressure (Max)	Max. Proof Pressure
	Decreasing - psi		Increasing - psi				
	Min	Max	Min	Max	psi	psi	psi
2	6	35	8	50	2 - 15	80	100
3	30	90	40	120	5 - 30	130	140
4	150	700	250	1000	30 - 300	4000	6000
5	500	2300	600	3000	100 - 800	4000	6000

\* Operating pressure is defined as the maximum pressure at which the pressure switch can maintain set point accuracy.

### Fitting Material

S	300 series stainless steel
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### Limit Switch

-1	SPDT, snap-action switch, 5 Amps @ 125/250 VAC (silver contacts)
-4	SPST, N.O., snap-action switch, 5 Amps @ 125/250 VAC (silver contacts)
-5	SPST, N.C., snap-action switch, 5 Amps @ 125/250 VAC (silver contacts)

### Options

-Wxxx	Extra wire length (XXX = inches)
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### Set Point

-XXX	Set point (not required for field adjustable)
R	Rising pressure
F	Falling pressure

### Wetted Material

B	Buna-N
V	Viton Diaphragm

### Process Connection <sup>3</sup>

-1	1/8" NPTM
-2	1/4" NPTM
-3	7/16-20 with O-ring seal
-4	G1/4

### Electrical Connection

1	.250 x .032 male spade quick disconnects (NEMA 1), not available with brass
3	Free leads. 18 gauge, 18" long (NEMA 1)
4	Unshielded PVC jacketed cable, 18 AWG, 18" long (NEMA 4)
5 <sup>2</sup>	DIN 43650-type connector - base only (available only with stainless steel & factory set models - NEMA 4)
7 <sup>2</sup>	SJO type cable, 3 wire, 18 AWG, 18" long (available only with factory set models - NEMA 4)
11 <sup>1,3</sup>	Deutsch connector, female, 3-position, three 18" free wires, used only with SPDT limit switches

### NOTES:

<sup>1</sup> Not UL/CSA certified

<sup>2</sup> Available only with factory set & locked models

<sup>3</sup> Minimum quantities may be required.