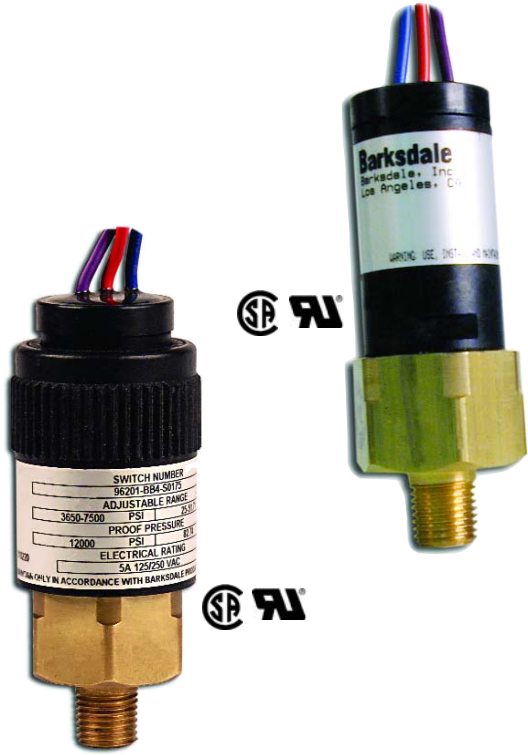


96200 Pressure Switch

Pressure or Vacuum

Series 96200, 96201, 96210, 96211, 96221, 96220

- ✦ Compact Size
- ✦ Factory Pre-Set or Field Adjustable
- ✦ Extremely Versatile
- ✦ Optional DIN and Conduit Connectors
- ✦ Nema 1, 3 & 4
- ✦ IP65



When purchased with optional conduit connector



The Series 96200 Pressure Switches offer a durable and versatile solution to your pressure control problems in a compact, economical package. A wide range of factory options is available, allowing the switch to be custom configured to the exact needs of your application. With the addition of an optional conduit connector, the switch becomes watertight and bears a NEMA 4 rating. The addition of optional DIN electrical connector allows for ease of installation and maintenance. Designed to control pressures from vacuum up to 7500 psi, the Series 96200 Pressure Switches are an outstanding choice to meet your demanding industrial applications.

Barksdale Exceeding Your Expectations Through Our People, Products and Performance
CONTROL PRODUCTS

96200 Pressure Switch

With Barksdale - Pressure's No Problem

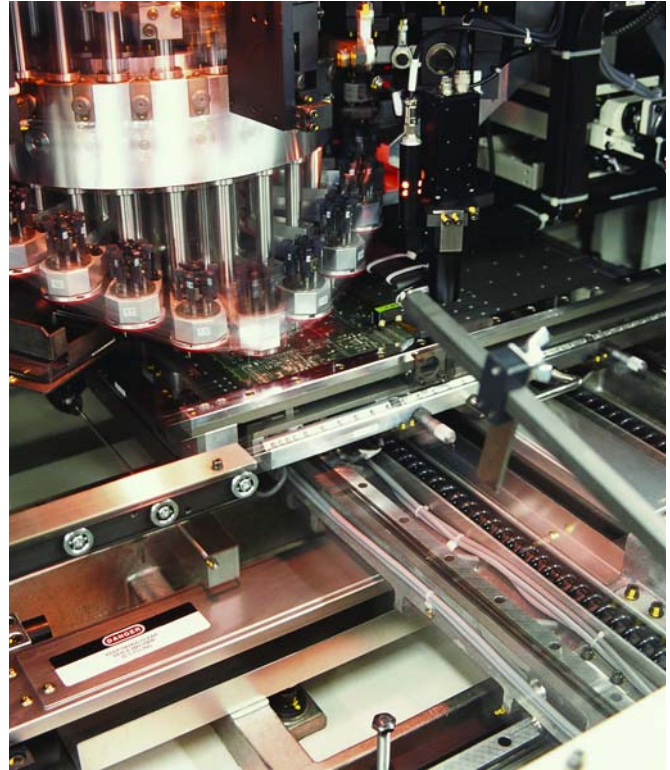
As a recognized leader in the manufacture of pressure product solutions, Barksdale pressure switches meet the demanding requirements of our customers. From 29" Hg to 18,000 psi, Barksdale has pressure switches for a variety of applications – from transformers to natural gas compressors to beverage dispensers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

Barksdale's **Series 96200 Pressure Switch** provides an economical solution for your pressure sensing needs. Available in factory pre-set and field-adjustable versions, this versatile switch controls pressures from vacuum to 7500 psi. Setpoint adjustment on field adjustable models is easily accomplished via an integrated adjustment knob, which can be made tamper resistant with the addition of an optional setscrew. A variety of available factory options allows the **Series 96200 Pressure Switch** to be configured to the exact needs of your application.

Series 96200 Applications

With its economical design and high repeatability, the **Series 96200 Pressure Switch** provide an accurate and reliable solution for pressures up to 7500 psi, making them ideal for use in:

- Pump & Compressor Monitoring
- Air Proving in HVAC Systems
- Engine Monitoring
- Machine Tools
- Hydraulic Power Units
- Mobile Hydraulics



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.

96200 Pressure Switch

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

Performance Characteristics
Accuracy ± 2% (field adjustable models)
 ± 5% (factory set models)

Switch
Type SPDT Snap Action; single circuit
Rating 5 Amp @ 125/250 VAC (Class BB microswitch - standard)
 10 Amp @ 125/250 VAC (Class CC microswitch)
 5 Amp @ 30 VDC (Class BB and CC microswitches)

Adjustment Series 96200, 96210, and 96220 are factory set and locked; Series 96201, 96211, and 96221 are field adjustable via an external adjustment sleeve

Physical
Shipping Weight 0.95 lbs. approximate

Wetted Parts
Process Fitting Brass (standard); Consult sales drawing for other options

Seals & Diaphragms Buna-N (standard); Consult sales drawing for other options
Piston 400-C Corrosion-resistant steel (Series 96200 & 96201 only)

Enclosure Plastic
Ratings NEMA 1 (standard)
 NEMA 4 (when ordered with -T4 or -T5 options)
 IP65 (when ordered with -T2 option)

Pressure Connection 1/4" NPT Male (standard); Consult sales drawing for other options

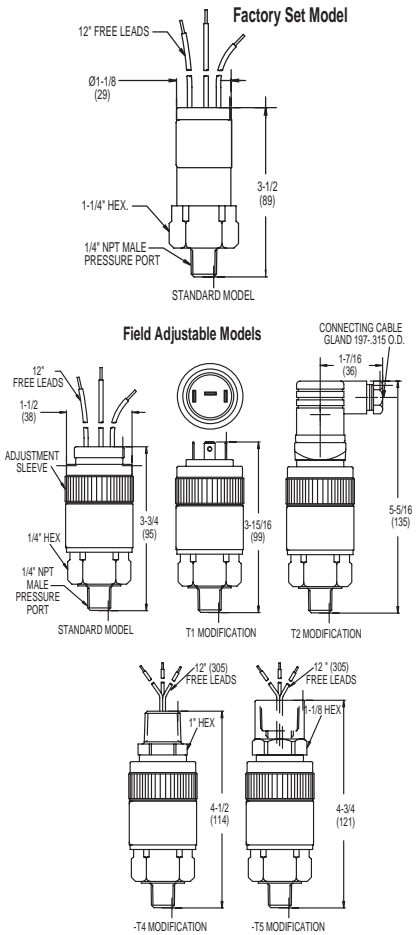
Electrical Connection 12" Free leads, #18 AWG (standard)

Approvals
UL UL Recognized Component (UR); With optional conduit connector (-T4 or -T5 option) becomes UL Listed. UL File No. E42816.

CSA CSA #LR22354
PED (European) Compliant to PED 97/23/EC

Environmental
Temperature Range
Operating
 Series 96200 & 96201 -40° to +165°F (-40° to +74°C)
 Series 96210 & 96211 -20° to +165°F (-29° to +74°C)
 Series 96220 & 96221 0° to +165°F (-18° to +74°C)

WIRE CODE	PRESSURE		VACUUM	
	Lead	Color	Pin	Color
Normally Closed	Blue	2	Red	3
Common	Purple	1	Purple	1
Normally Open	Red	3	Blue	2
Ground	Not Used		Not Used	



Adjustment Instructions

Pressure Setpoint
Positive Pressure Secure hex body with open-end wrench. Hand turn adjustment sleeve clockwise to increase, counterclockwise to decrease set point.
Vacuum Pressure Secure hex body with open-end wrench. Hand turn adjustment sleeve counterclockwise to increase, clockwise to decrease set point.

- Consult Factory for These Options**
- Tamper-resistant setscrew
 - Disogren O-ring seal
 - Unshielded jacketed cable, #18 AWG gray PVC
 - SJO cable, #18 AWG

96200 Pressure Switch

Pressure or Vacuum

Series 96200, 96201, 96210, 96211, 96221, 96220

Prefix	Base	Model	Adjustable Range				Approx. Deadband (Actuation Value)	Proof Pressure	
			Decreasing - psi (bar)		Increasing - psi (bar)				
			Min.	Max.	Min.	Max.	psi (bar)	psi (bar)	
T		96221-BB1	1" Hg	28" Hg	6" Hg	30" Hg	1 - 6" Hg	30 (2)	VACUUM
		96211-BB1	2.5 (.2)	12.8 (.9)	3 (.2)	15 (1)	.5 - 2.2 (.03 - .1)	1000 (68)	Field Adjustable
		96211-BB2	5 (3)	31 (2)	6 (.4)	35 (2.4)	1 - 4 (.07 - .3)	1000 (68)	
		96211-BB3	8.5 (.6)	44 (3)	10 (.6)	50 (3.4)	1.5 - 6 (.1 - .4)	1000 (68)	
		96211-BB4	22.5 (1.5)	112 (8)	25 (1.8)	125 (8.5)	2.5 - 13 (.2 - .9)	1000 (68)	
		96211-BB5	70 (5)	220 (15)	80 (5.5)	250 (17)	10 - 30 (.6 - 2)	1000 (68)	
		96211-BB6	110 (7)	440 (30)	130 (9)	500 (34)	20 - 60 (1.4 - 4)	1000 (68)	
		96201-BB1	190 (13)	450 (31)	250 (17)	600 (41)	60 - 150 (4 - 10)	7000 (476)	Field Adjustable
		96201-BB2	360 (24)	1450 (105)	430 (29)	1700 (116)	70 - 250 (5 - 17)	7000 (476)	
		96201-BB3	1450 (105)	3900 (265)	1650 (112)	4400 (300)	200 - 500 (14 - 34)	7000 (476)	
		96201-BB4	3650 (248)	6700 (456)	4000 (272)	7500 (510)	350 - 800 (24 - 54)	12000 (816)	
		96201-BB5	300 (20)	2500 (170)	380 (26)	3000 (200)	80 - 500 (5 - 33)	7000 (476)	
		96220-BB1	1" Hg	28" Hg	6" Hg	30" Hg	1 - 6" Hg	30 (2)	VACUUM
		96210-BB1	2.5 (.2)	12.8 (.9)	3 (.2)	15 (1)	.5 - 2.2 (.03 - .1)	1000 (68)	Factory Set
		96210-BB2	5 (3)	31 (2)	6 (.4)	35 (2.4)	1 - 4 (.07 - .3)	1000 (68)	
		96210-BB3	8.5 (.6)	44 (3)	10 (.6)	50 (3.4)	1.5 - 6 (.1 - .4)	1000 (68)	
		96210-BB4	22.5 (1.5)	112 (8)	25 (1.8)	125 (8.5)	2.5 - 13 (.2 - .9)	1000 (68)	
		96210-BB5	70 (5)	220 (15)	80 (5.5)	250 (17)	10 - 30 (.6 - 2)	1000 (68)	
		96210-BB6	110 (7)	440 (30)	130 (9)	500 (34)	20 - 60 (1.4 - 4)	1000 (68)	
		96200-BB1	190 (13)	450 (31)	250 (17)	600 (41)	60 - 150 (4 - 10)	7000 (476)	Factory Set
		96200-BB2	360 (24)	1450 (105)	430 (29)	1700 (116)	70 - 250 (5 - 17)	7000 (476)	
		96200-BB3	1450 (105)	3900 (265)	1650 (112)	4400 (300)	200 - 500 (14 - 34)	7000 (476)	
		96200-BB4	3650 (248)	6700 (456)	4000 (272)	7500 (510)	350 - 800 (24 - 54)	12000 (816)	
		-CC	10A @ 125/250VAC Limit Switch						

Fitting Option

Electrical
Connectors

Diaphragm/
O-ring
Material

Options

Blank	Brass (Standard)
SS	Stainless Steel (not available with vacuum models)
Blank	18" free leads (standard)
-T1	1/4" male spade terminals
-T2	DIN Connector, 43650 type
-T4	1/2" NPT male conduit connector with free leads
-T5	1/2" NPT female conduit connector with free leads
Blank	Buna-N (standard)
-E	Ethylene Propylene (EPR)
-N	Neoprene
-V	Viton®
-J	SJO Cable, #18 AWG
-Z1	Cleaned for oxygen service
-Z12	Gold contact limit switch, 1 A, 125 VAC
-Z17	DIN 43650 base only (no mating plug)
-Z24	Unshielded cable, #18 AWG PVC
-P1	7/16-20 SAE Pressure Fitting with O-ring
-WXXX	Extra wire length (XXX = inches)
-SXXX	Factory pre-set (consult factory)

Example:

96211-BB3 SS -T5 -V
96211-BB3SS-T5-V

Coming soon:
Weather Pack Options
Deutsch Connector Option

Barksdale
CONTROL PRODUCTS

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