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TECHNOLOGY GROUP

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Find the *Barksdale C9612-3-CS* at our website: *Click HERE*

C9612, C9622 Pressure Switch

Sealed Piston

C9612, C9622 Series



C9612



C9622

- Extremely Long Life
- Oil & Dust Tight
- Easy Setpoint Adjustment
- High Reliability
- High Proof Pressure
- Single & Dual Setpoint

Barksdale's Series C9612 and C9622 Sealed Piston Pressure Switches offer extremely long life in a robust package, making them the ideal solution to your industrial pressure control needs. Sealed piston switches are ideal for applications demanding rapid cycling. Available in various pressure ranges from 15 to 3,000 psi, sealed piston switches are suitable for use in industrial applications such as hydraulic presses, compactors, and machine tools. All models feature a durable, anodized aluminum enclosure with a tamper proof adjustment screw cover and an integrated 27/32" hole for 1/2" NPT conduit connector, and are rated to NEMA 3 as a standard. Optional terminal boxes allow for ease of electrical connection, and switches are available in both single and dual circuit configurations. For applications requiring a highly accurate switch in a durable package, Barksdale's Series C9612 and C9622 Piston Pressure Switches are the ideal choice.

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C9612, C9622 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 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 Series C9612 and C9622 Sealed Piston Pressure Switches provide an economical solution for your pressure sensing needs. Sealed piston switches accurately control pressures from 15 to 3,000 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 sealed piston switches to be configured to the exact needs of your application.

Sealed Piston Pressure Switch Applications

With its rugged design and high repeatability, **Barksdale's Series C9612 and C9622 Sealed Piston Pressure Switches** provide an accurate and reliable solution for pressures up to 3,000 psi, making them ideal for use in:

- Machine Tools
- Hydraulic Presses
- Compactors
- Hydraulic Power Units
- Compressors



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.

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C9612, C9622 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% of the adjustable range
Switch	
Type	SPDT Snap Action
	Single or dual circuit
Rating	10 Amps @ 125, 250, or 480 VAC; 0.3 Amps @ 250 VDC, Class B Limit Switch

Physical

Shipping Weight	
C9612 Models	2.5 lbs. approximate
C9622 Models	3.0 lbs. approximate
TC9622 Models	3.5 lbs. approximate
Wetted Parts	
Process Fitting	Nickel Plated Aluminum
O-ring	Buna-N (Standard)
Piston	416 Stainless Steel
Enclosure	Anodized Aluminum
Ratings	NEMA 3
Pressure Connection	1/4" - 18 NPT Female
Electrical Connection	18" Free leads (terminal block on "T" model)

Approvals

CSA (optional)	Class 3231 02, File No. 022355-0-000 (Must specify -CS option when ordering)

Environmental

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

Adjustment Instructions

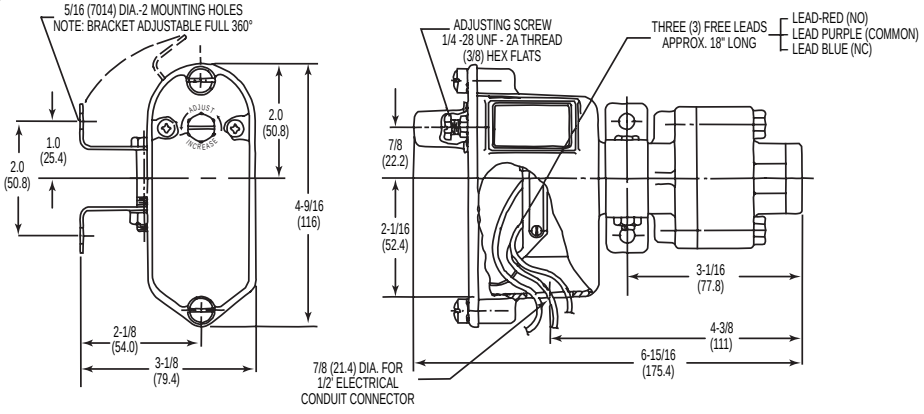
With screwdriver, turn adjustment screw counterclockwise to increase and clockwise to decrease the actuation point.

Wiring Code

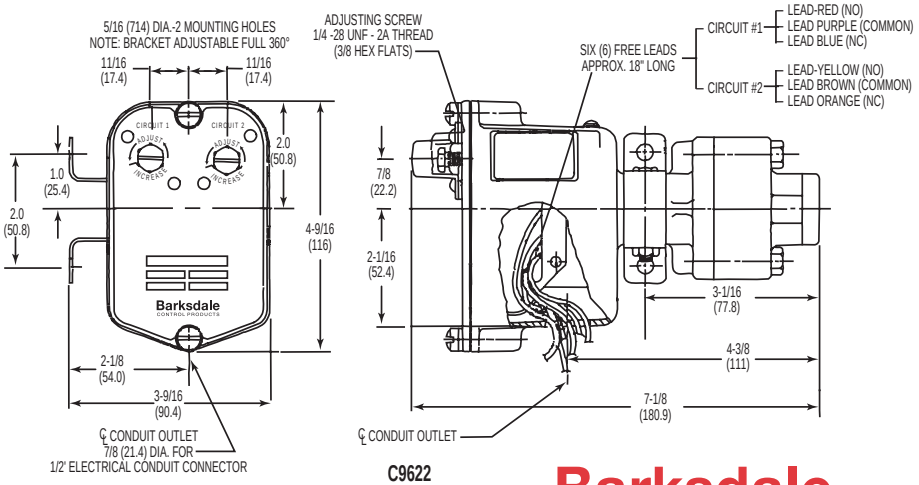
Lead	Circuit 1	Circuit 2
Normally Closed	Blue	Orange
Common	Purple	Brown
Normally Open	Red	Yellow

Consult Factory for These Options

CSA Approval (maximum rating of 300 VAC)
Factory Pre-set
Cleaned for oxygen service
Alternate O-ring materials



C9612



C9622

Barksdale
CONTROL PRODUCTS

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C9612, C9622 Pressure Switch

Sealed Piston

C9612, C9622 Series

Base Model

T	JIC Junction Box with Terminal Strip (Optional)
C9612	Single Setpoint
C9622	Dual Setpoint

Consult sales drawing for actual adjustable ranges, deadband, and alternate limit switches.

Pressure Range

	Adjustable Range				Approx. Deadband (Actuation Value)	Proof Pressure
	Decreasing - psi (bar)		Increasing - psi (bar)			
	Min	Max	Min	Max	psi-(bar)	psi (bar)
-0	**15 (1.0)**	170 (11.6)	18 (1.2)	**200 (13.6)**	3 - 30 (0.2 - 2.0)	3000 (204.1)
-1	**35 (2.4)**	340 (23.1)	40 (2.7)	**400 (27.2)**	5 - 60 (0.3 - 4.1)	3000 (204.1)
-2	**125 (8.5)**	1360 (92.5)	135 (9.2)	**1500 (102.0)**	10 - 140 (0.7 - 9.5)	7000 (476.2)
-3	**250 (17.0)**	2650 (180.3)	280 (19.0)	**3000 (204.1)**	30 - 350 (2.0 - 23.8)	7000 (476.2)

O-ring

(blank)	Buna-N (Standard)
-E	EPR
-N	Neoprene
-V	Viton®
-Z11	Buna N, 90 shore hardness
-Z13	Disorgin (9250-90)
-Z14	Disorgin (6865-70)

Options

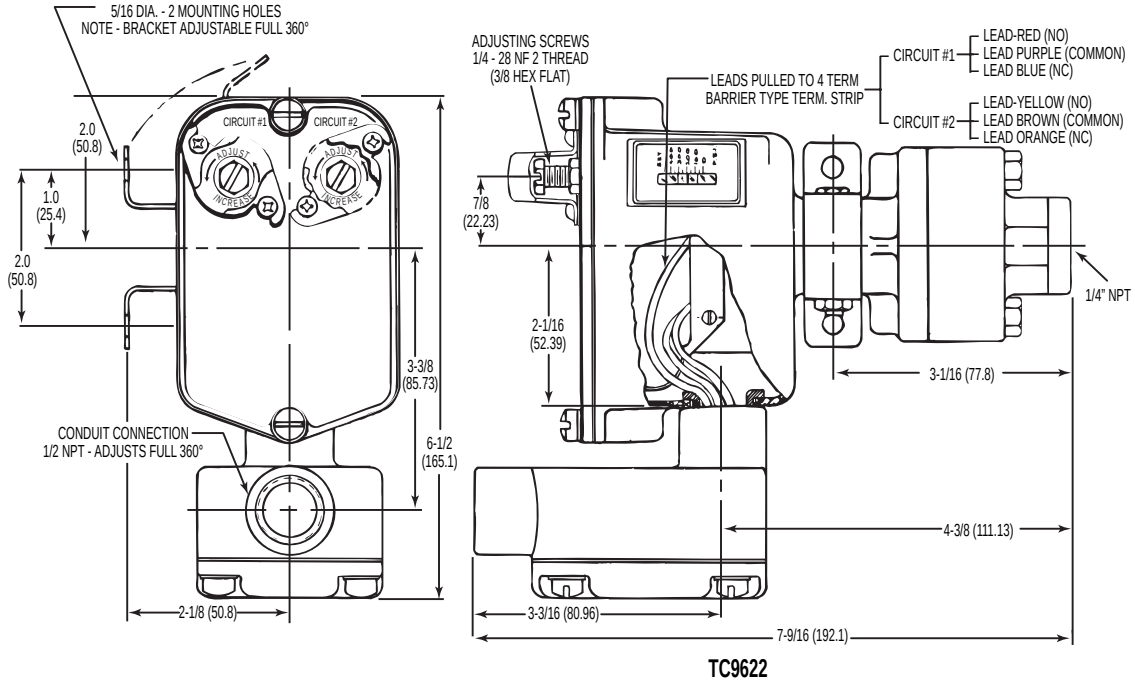
-WXXX	Special wire length in inches
-Z	Less Mounting Bracket
-Z1	Cleaned for Oxygen Service
-CS	CSA Approval

T	C9612	-3	-V	-Z1

Example: TC9612-3-V-Z1

Miscellaneous:

Paper Tag	$5.00
Metal Tag:	$10.00



TC9622

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

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