

Visual Indicating Sealed Piston Switch

Series C9612, C9622

Features

- ▶ Extremely long life
- ▶ Weather resistant housing
- ▶ Easy setpoint adjustment
- ▶ High reliability
- ▶ High proof pressure
- ▶ Single & dual setpoint

Applications

- ▶ Compactors & balers
- ▶ Machine tools
- ▶ Lubrication equipment
- ▶ Hydraulic presses
- ▶ Railroad
- ▶ Hydraulic power units
- ▶ Compressors
- ▶ Utility & power generation
- ▶ Metal working application



General Specifications*

Electrical Characteristics:	All models incorporate Underwriters Laboratories, Inc. and CSA Listed single pole double throw snap-action switching elements
Accuracy:	± 2% of the adjustable range
Switch: Type:	Single pole double throw (SPDT) snap action; single or dual circuit
Rating:	10 amps @ 125, 250, or 480 VAC; 0.03 amps @ 250 VDC, Class B limit switch
Wetted Parts: Process Fitting:	Nickel plated aluminum
O-ring:	Buna-N (standard)
Piston:	416 stainless steel
Enclosure:	Anodized aluminum
Electrical Connection:	18" free leads (terminal block on "T" model)
Enclosure Ratings:	NEMA 3
Pressure Connection:	1/4" - 18 NPT female

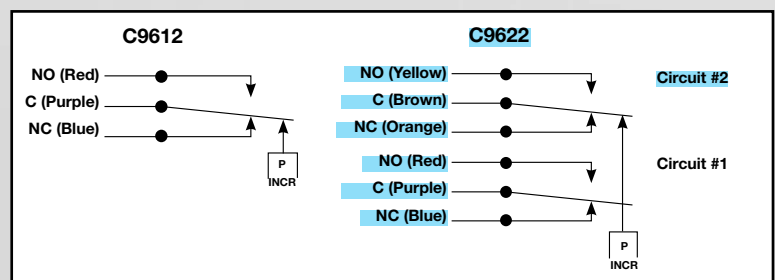
Approvals: UL/CSA (optional):	UL File E42816 Class 3231 02, File No. 022355-0-000
Temperature Range: Operating:	-20° to +165°F (-29° to +74°C)
Storage:	-40° to +200°F (-40 °to +93°C)
Adjustment Instructions:	With screwdriver, turn adjustment screw counterclockwise to increase and clockwise to decrease the actuation point.
Options:	-UL/CSA approval (maximum rating of 300 VAC) -Factory Pre-set -Cleaned for oxygen service -Alternate O-ring materials
Shipping Weight: C9612 Models:	2.5 lbs. approximate
C9622 Models:	3.0 lbs. approximate
TC9622 Models	3.5 lbs. approximate

* See product configurator for additional options.

Wiring Code

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

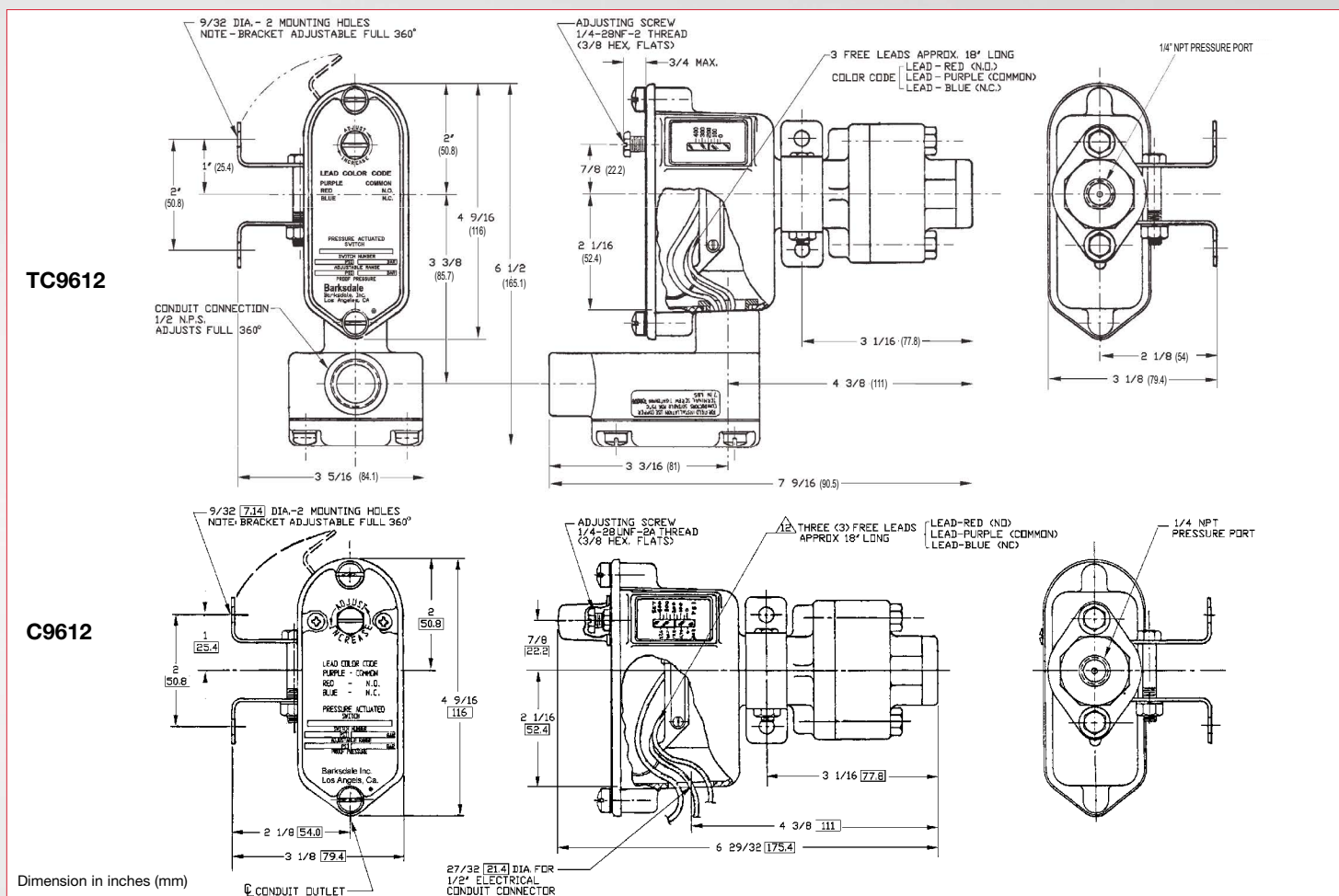
Wiring Diagram



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Technical Drawing



Product Configurator

Example T C9612 -3 -V -Z1

*Highlighted options represents those most frequently used.
Select these common options for improved availability. (5/21)

T JIC Junction Box with Terminal Strip (Optional)

Base Model

C9612 Single Setpoint
C9622 Dual Setpoint

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)

Options

-Z	Without mounting bracket
-Z1	Cleaned for Oxygen Service
-CS	CSA Approval
-Wxxx	Extra wire length
-Sxxx	Factory pre-set (consult factory)

O-Ring

Blank	Buna-N (standard)
-E	Ethylene Propylene (EPR) O-ring
-V	Viton® O-ring