

CLARK SOLUTIONS

CJ Pressure Switch

Adjustable Set Point Range, 3-1500 PSI

DESCRIPTION

Model CJ is a simple, reliable low cost pressure switch that uses a spring loaded diaphragm as the sensing element. A Buna-N diaphragm is standard.

In operation, the diaphragm actuates a snap action electrical switch that insures a positive, instantaneous electrical contact under all operating conditions.

SPECIFICATIONS



- Set Point Range: 3 – 120 PSI (.21 – 8.3 Bar)
- Set Point Tolerance: ±1 PSI or 5% (.07 Bar)
- Maximum Operating Pressure: 250 PSI (17 Bar)
- Proof Pressure: 750 PSI (51 Bar)
- Differential: 10 – 20%
- Current Rating: 3 A @ 125 VAC
2 A @ 30 VDC (Resistive)

Media Connection: Brass (Standard); Optional: Aluminum, Nickel Plating, Delrin, Zinc Plated Steel, 303 SS, 316 SS

Circuit Form: SPST-NO or SPST-NC

Electrical Connection: See Order Chart Below for Options

Diaphragm Material: Buna N

Cycle Life: 1 Million Cycles

Housing: NEMA 4, 13

ORDERING INFORMATION

ORDER NUMBER (SEE TABLE)

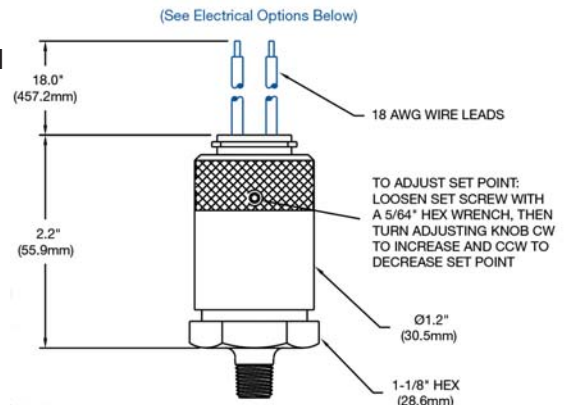
A-BCD-EFGHI

EXAMPLE-CJ-B1C-4150J-4WL

A Model	B Connection Material	C Media Connection	D Circuit Form	E Range	F Fixed Set Point	G Set Point Direction	H Wire Length (Where Applicable)	I *Electrical Options
CJ	A= Aluminum B= Brass (Standard) N= Nickel Plating P= Delrin S= Zinc Plated Steel T= 303 Stainless Steel U= 316 Stainless Steel	1= 1/4" NPT Male 2= 1/8" NPT Male 6= 7/16" SAE O-Ring (-4) 14= 1/2" NPT Male 1/8" NPT Female 17= 1/4" BSPP Male (G1/4) 28= 1/8" BSPP Male (G1/8)	A SPST-NO B SPST-NC C SPDT	1= 3 -10 PSI 2= 6 -30 PSI 3=20 - 120 PSI 4*= 100 - 400 PSI 5*= 500 - 1500 PSI *Not yet UL recognized	Specify 3--120 PSI 121-1500 PSI	J= Rising Adjustable G= Falling Adjustable	-= No Wire 1= 3" Wire Length 2= 6" Wire Length 3= 12" Wire Length 4= 18" Wire Length 5= 24" Wire Length 6= 36" Wire Length 7= 48" Wire Length 8= 60" Wire Length 9= Special Wire Length	= Screw Terminals (Standard) WL= Wire Leads WP= Weather Pack HR= DIN43650A Connector MP= Metri-Pack AT= 10 A @ 125/250 VAC 5 A @ 30 VDC AU= Gold Plate/Alloy for low currents *See next page for more cho



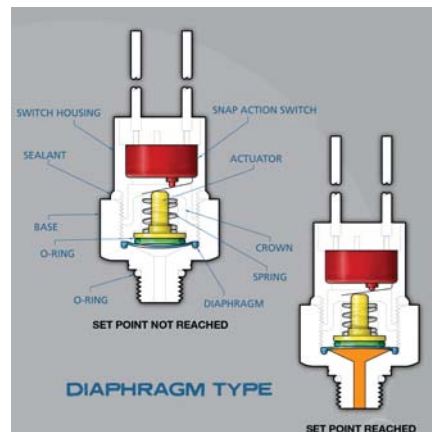
DIMENSIONS INCHES (MM)



The snap-action design will maintain its state with contacts either open or closed, until a precise set point is reached when it will snap over center to a new state. It will remain in that state until a distinct change towards its original setting is sensed, at which time it will snap back to its original state.

The design's snap-action feature prevents contact intermittency near its switch point, which is common in creeper designs. As system pressures fluctuate, our switches inherent differential prevents searching. Only the highest quality snap-action switches are used. The switches are UL, CSA, and military approved.

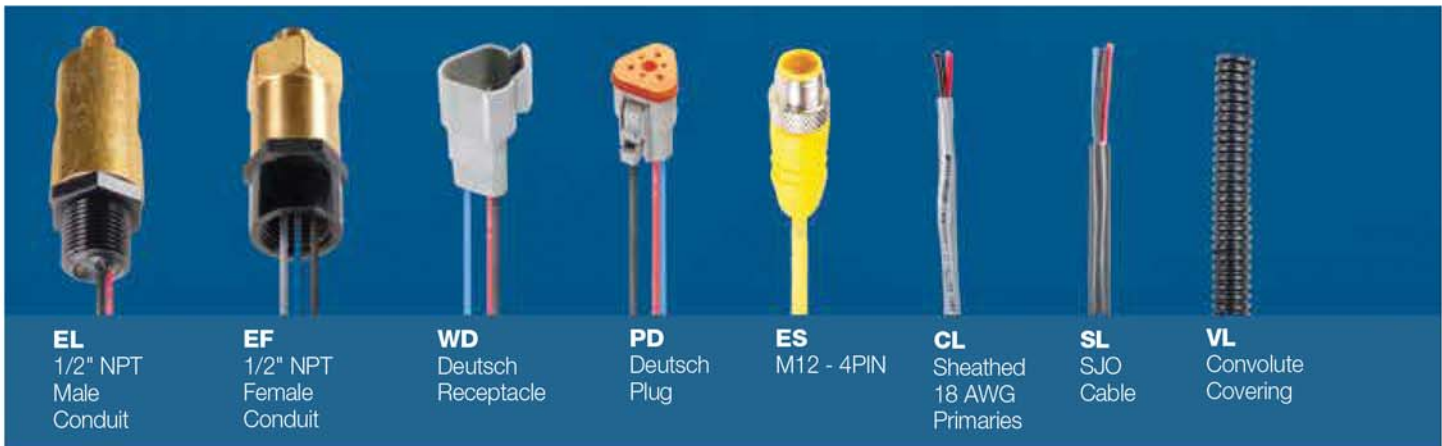
The elastomer diaphragm, which moves a precise .040 of an inch, ensures accurate, instantaneous contact under all operating conditions. While nitrile is preferred for general use, other materials are available.



A COMPREHENSIVE SELECTION OF ELECTRICAL CONNECTIONS

We see designs used in all types of applications imaginable, so we want to make sure you have a wide choice of electrical connections.

We offer a growing selection of connections, and if you want something else, just ask us for it.



Color Code: Black – Common Red – Normally Open Blue – Normally Closed

Pin Assignments: A – Normally Open B – Common C – Normally Closed

DIN Connector Pin Assignments: #1 – Common #2 – Normally Closed #3 – Normally Open #4 – Not Used

M12 Connector Pin Assignments: #1 – Common #2 – Not Used #3 – Normally Open #4 – Normally Closed