

# CLARK SOLUTIONS CD Pressure Switch

Adjustable Set Point Range, 10-7500 PSI

## DESCRIPTION

Model CD is a simple, reliable low cost pressure switch. A long life elastomer diaphragm is standard for set points to 200 PSI and a proven sealed piston sensor is used for higher ranges.

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



## SPECIFICATIONS

Set Point Range: 10 – 7500 PSI (.69 – 517 Bar)

Set Point Tolerance: ±5 PSI or 5% (.34 Bar)

Range	Max. Operating Pressure	Proof Pressure
to 200 PSI (Ranges 1-3)	1000 PSI (69 bar)	3000 PSI (206 bar)
to 4500 PSI (Ranges 4-7)	5000 PSI (344 bar)	15000 PSI (1034 bar)
to 7500 (Range 8)	7500 PSI (517 bar)	22500 PSI (1551bar)

Differential: 10 – 20%

Current Rating: 5 A @ 250 VAC

5 A @ 30 VDC (Resistive)

Media Connection: See Order Chart Below for Options

Circuit Form: SPST-NO or SPST-NC

Electrical Connection: See Order Chart Below for Options

Diaphragm Material: Buna (Ranges 1 – 3)

Piston: Hardened Steel (Ranges 4 – 7)

Cycle Life: 1 Million Cycles

Housing: NEMA 4, 13

## ORDERING INFORMATION

ORDER NUMBER (SEE TABLE)  
**ABCD-EFGH**

EXAMPLE- CDB1C-61000JWL

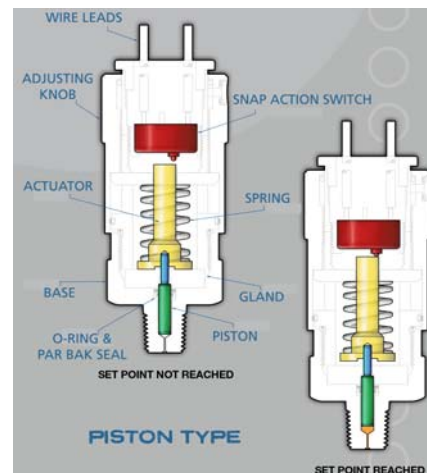
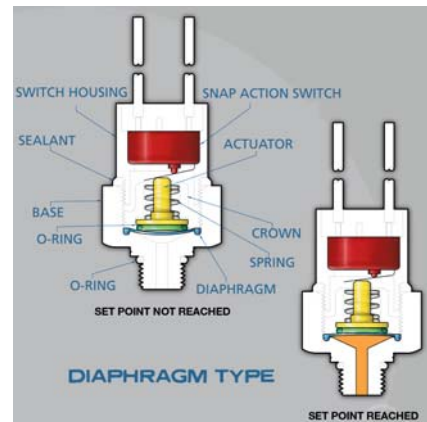
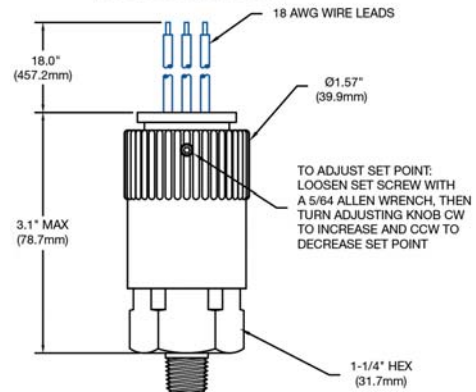
A Model	B Connection Material	C Media Connection	D Circuit Form	E Range
CD	<b>B= Brass (Standard)</b> N= Nickel Plating T= 303 Stainless Steel U= 316 Stainless Steel	Piston Sensor 1= 1/4" -18 NPT Male 3= 3/4" -16 SAE Male 11= 9/16" -18 SAE Male Diaphragm Sensor 1= 1/4" -18 NPT Male 9= 3/8" -18 NPT Male	A= SPST-NO B= SPST-NC C= SPDT	Diaphragm Sensor 1= 10-40 PSI 2= 25-100 PSI 3= 50-200 PSI Piston Sensor 4= 100-400 PSI 5= 250-1000 PSI 6= 500-2000 PSI 7= 1200-4500

F Desired Set Point	G Set Point Direction	H *Electrical Connections
10 – 7500 PSI	J= Rising Adjustable G= Falling Adjustable	WL= Wire Leads 18" EL= Male Conduit 1/2-14 EF= Female Conduit 1/2-14 HR= DIN43650A Connector HH= DIN43650A Plug Only WP= Weather Pack MP= Metri-Pack AT= 10 A @ 125/250 VAC, 5 A @ 30 VDC AU= Gold Contacts, 50 mA @ 30 VDC *See next page for more choices



## DIMENSIONS INCHES (MM)

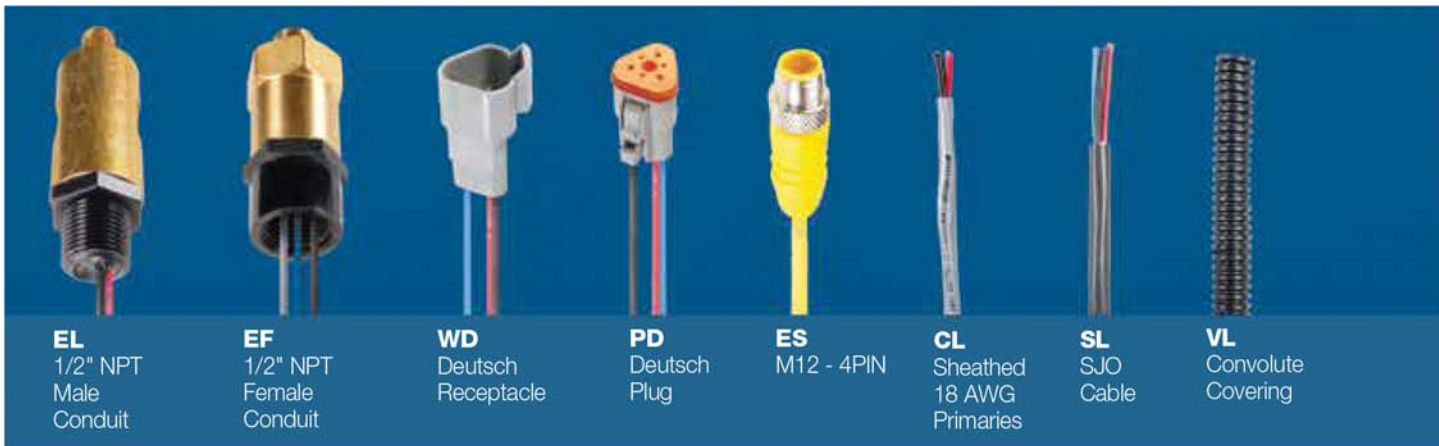
(See Electrical Options Below)



**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