

# CLARK SOLUTIONS

## CF Pressure Switch

Fixed Set Point Range, 10-4500 PSI

### DESCRIPTION

Model CF is a simple, reliable low cost pressure switch. A long life elastomer diaphragm is standard for set points to 300 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 – 4500 PSI (.69 – 310 Bar)

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

Range	Max. Operating Pressure	Proof Pressure
to 300 PSI (Diaphragm Model)	1000 PSI (69 bar)	3000 PSI (206 bar)
to 4500 PSI (Piston Model)	5000 PSI (344 bar)	15000 PSI (1034 bar)

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, SPST-NC or SPDT

Electrical Connection: See Order Chart Below for Options

Diaphragm Material: Buna (Set Points to 300 PSI)

Piston: Hardened Steel (Set Points to 4500 PSI)

Cycle Life: 1 Million Cycles

Housing: NEMA 4, 13

### ORDERING INFORMATION

ORDER NUMBER (SEE TABLE)

ABCD-EFGH

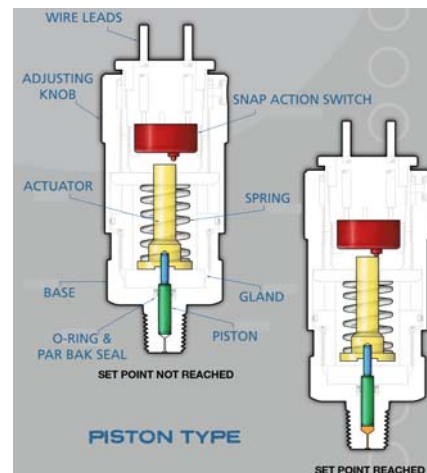
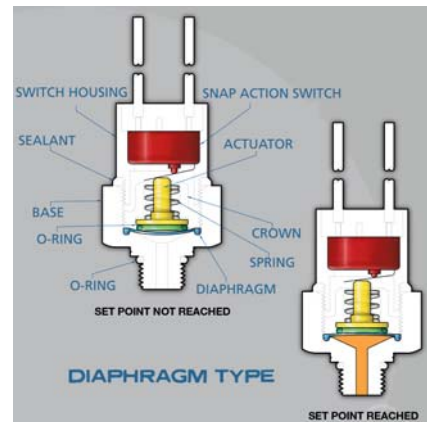
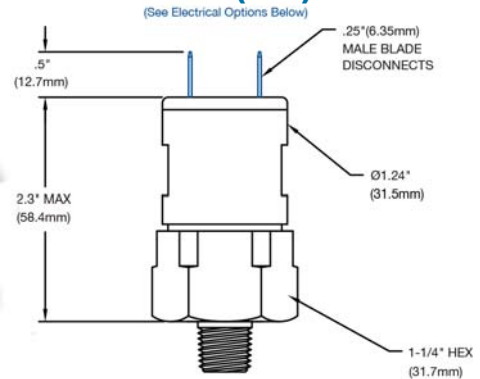
EXAMPLE- CFB1C-4200RWL

A Model	B Connection Material	C Media Connection	D Circuit Form
CF	<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

E Desired Set Point	F Set Point Direction	G *Electrical Connections
10-4500 PSI	R= Rising Adjustable F= 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)



**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.



**HF**

DIN43650A  
1/2" Conduit  
(Plug & Receptacle)

**HH**

DIN43650A  
(Plug Only)

**HR**

DIN43650A  
Strain Relief  
(Plug & Receptacle)

**HP**

9.4mm DIN  
(Plug Only)

**HM**

9.4mm DIN  
(Plug & Receptacle)

**MP**

Metri-Pack  
Female 280  
Series Sealed

**NP**

Metri-Pack  
Male 280  
Series Sealed



**CP**

Metri-Pack  
Female 150  
Series Sealed

**DP**

Metri-Pack  
Male 150  
Series Sealed

**PP**

Boot  
(Military  
Connector)

**QC**

1/4" Male  
Spade Quick  
Connect

**WL**

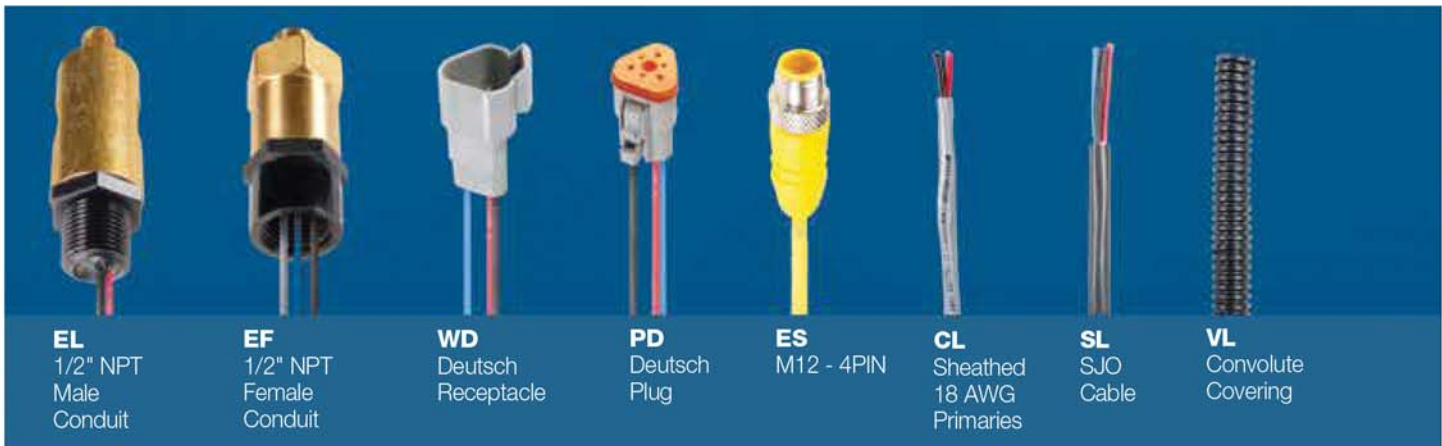
Wire Leads

**WP**

Weather Pack  
(Female)

**TP**

Weather Pack  
(Male)



**EL**

1/2" NPT  
Male  
Conduit

**EF**

1/2" NPT  
Female  
Conduit

**WD**

Deutsch  
Receptacle

**PD**

Deutsch  
Plug

**ES**

M12 - 4PIN

**CL**

Sheathed  
18 AWG  
Primaries

**SL**

SJO  
Cable

**VL**

Convolute  
Covering

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