

CLARK SOLUTIONS

SQ Pressure Switch

FS Adjustable Set Point Ranges, 10-120 PSI

DESCRIPTION

Model SQ is a simple, reliable low cost pressure switch that uses a spring loaded diaphragm as the sensing element. Brass connections and Buna-N diaphragm are standard. The switch point is field adjustable against a visible reference scale.

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

UL US CE RoHS

SPECIFICATIONS

Set Point Range- 2-120 PSI (0.14-8.3 bar)
 Set Point Tolerance- ± 1 PSI or 5% (0.07 bar)
 Max Operating Pressure- 250 PSI (17 bar)
 Proof Pressure- 750 PSI (51 bar)
 Switch Deadband (Differential)- 10-20%
 Current Rating- 10 A @ 125/250 VAC; 5A @30 VDC
 Media Connection- 1/8" NPT Male Brass
 Circuit Form- SPDT
 Electrical Connections- 1/4" Spade
 Diaphragm- Buna-N
 Cycle Life- 1 Million Cycles

ORDERING INFORMATION

Model	Adjustment Range
SQ-1	2-10 PSI
SQ-2	6-30 PSI
SQ-3	20-120 PSI

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, we can also provide ethylene



SQ

DIMENSIONS (MM)

