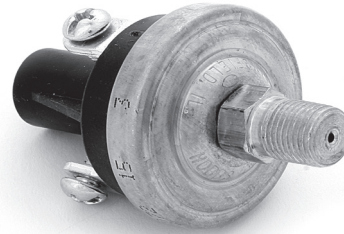


Pressure Switches Line Guide



Better under pressure. For years, manufacturers and operators of heavy-duty equipment have trusted Honeywell Sensing and Control (S&C) pressure and vacuum switches. They're proven under pressure, in applications constantly under attack from chemical splashes, performance spikes and other harsh environments. These switches sense a change in the pressure or vacuum, opening or closing an electrical circuit when the designated point is reached.

Honeywell S&C offers an impressive line of standard products, but our engineering expertise and understanding afford us the ability to modify existing parts or create an original component just for your specifications. Compact size. Durable construction. Enhanced set point integrity. It's all standard, along with Honeywell S&C flexibility.

FEATURES

PRESSURE SWITCHES

5000 Series.

Features: Stands up to extended-duty applications • Factory set, capable of field adjustment • Direct acting blade – gold-plated contacts • No dead band • Kapton diaphragm for compatibility with a wide variety of fluids • Various electrical connections and terminations, including a Metri-pack connect that forms a tight seal when connected • Optional rubber boot

Benefits: Design benefits include durable construction, compact size, and enhanced set-point integrity. Switch operates with air, motor oils, transmission oils, jet fuels, and other similar hydrocarbon material. Applications include engine transmission, hydraulics, brakes, power steering, fuel pressure, ABS brakes, cruise control, oxygen concentrators, dental air, embalming equipment, generators/compressors, pool/spa water pressure, and more.

Series III.

Features: Non-ferrous chamber
 • Excellent set-point integrity at extreme temperatures • Snap-action switch
 • Gold-plated contacts • Dead band
 • Low contact resistance • Wiping action
 • Fast transfer time • Adjustable differential

Benefits: Thoroughly tested for shock and vibration resistance. Particularly valuable in applications where hysteresis, fast transfer time, and low contact resistance are vital. Applications include engine transmission, hydraulics, brakes, power steering, fuel pressure, ABS brakes, cruise control, oxygen concentrators, dental air, embalming equipment, generators/compressors, pool/spa water pressure, and more.

Series V.

Features: Set points up to 3000 psi
 • Snap action switch • Gold-plated contacts • Dead band • Water-dunk proof
 • Excellent set-point integrity at extreme temperatures • Wide fluid compatibility
 • Excellent response time

Benefits: Incorporate where hysteresis, fast response time, and low contact resistance are vital. Applications include engine transmission, hydraulics, brakes, power steering, fuel pressure, ABS brakes, cruise control, oxygen concentrators, dental air, embalming equipment, generators/compressors, pool/spa water pressure, and more.

VACUUM SWITCHES

5000 Series.

Features: Stands up to extended-duty applications • Factory set • Fluorosilicone rubber diaphragm for compatibility with a wide variety of fluids • Various terminations, including a Metri-pack connect that forms a tight seal when connected

Benefits: Design benefits include durable construction, compact size, and enhanced set-point integrity. Applications include engine air cleaners, fuel filters, generators/compressors, and more.

Pressure Switches Line Guide

Switch to the leader.

Honeywell S&C's expert model shop, certified lab and engineering staff work with you through the design, prototype, and testing stages. Our rapid prototyping technology allows us to provide you custom samples quickly, while out-of-the-box products deliver all the amenities you demand:

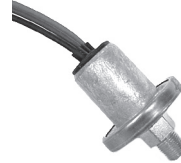
5000 series pressure and vacuum switches are factory set, but flexible for field adjustments. Its Kapton diaphragm offers compatibility with a wide variety of fluids. Our Ultra-Duty switches are designed for sudden pressure spikes and high system pressures.

Series III custom switches offer a non-ferrous chamber and excellent set-point integrity at extreme temps. Features include low-contact resistance, wiping action, fast transfer time, gold-over-silver contacts, an adjustable differential, and top shock and vibration resistance.

Series V high-pressure switches offer excellent set-point integrity at extreme temperatures, wide fluid compatibility, and excellent response time. Like the Series III, these switches are best where hysteresis, fast transfer time, and low contact resistance are vital.



5000 Series



Series III

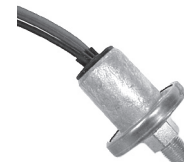


Series V

Pressure Switches	5000 Series	Series III	Series V
Type	direct action blade contact	snap action switch	snap action switch
Set point range	factory set: 0.5 psi to 150 psi	factory set: 1 psi to 70 psi	factory set: 35 psi to 300 psi 100 psi to 3000 psi
Contacts	composite-gold plate	fine silver-gold plate	fine silver-gold plate
Operating pressure	150 psi for 0.5 psi to 24 psi 250 psi for 25 psi to 150 psi	200 psi	300 psi (diaphragm) 3000 psi (piston)
Proof pressure	500 psi	350 psi	500 psi (diaphragm) 5000 psi (piston)
Burst pressure	750 psi for 0.5 psi to 24 psi 1250 psi for 25 psi to 150 psi	500 psi	2000 psi (diaphragm) 10000 psi (piston)
Connector	1/8-27 NPT male thread; Piston 3/4-16 UNF	1/8-27 SAE short male thread standard (others, including metric, available)	Diaphragm; 1/8-27 PTF SAE standard (others, including metric, available)
Terminals	#8-32 screws, 1/4 in blade, 280 series metri-pack	8 in wire leads, 18 ga.	8 in wire leads, 18 ga.



5000 Series



Series III

Vacuum Switches	5000 Series	Series III
Type	direct action blade contact	snap action switch
Set point range	factory set: 1.1 in-Hg to 22 in-Hg	factory set: 1.1 in-Hg to 22 in-Hg
Vacuum	1.1 in-Hg to 22 in-Hg	2 in-Hg to 22 in-Hg; 15 in-H ₂ O to 36 in-H ₂ O
Contacts	composite-gold plate	fine silver-gold plate
Operating pressure	30 in-Hg max.	200 psi
Burst pressure	150 psi	500 psi
Connector	1/8-27 NPT male thread standard (others, including metric, available)	1/8-27 PTF SAE short male thread standard (others, including metric, available)
Terminals	#8-32 screws, 1/4 in blade, 280 series metri-pack	8 in wire leads, 18 ga.