

Heavy-Duty Pressure Switches

Solving the Challenges of Demanding Applications

- ◆ Exceptional vibration resistance
- ◆ Long life -- up to 1,000,000 cycles
- ◆ Special time delay and diagnostic features available
- ◆ Custom-specifiable set and reset pressures
- ◆ Tight tolerances where high precision is needed
- ◆ Stable, drift-free calibration
- ◆ Choice of fittings & connectors
- ◆ Proven performance on millions of heavy vehicles

Index Heavy-Duty Pressure Switches are ideal for a wide range of heavy vehicle and equipment applications where durability and reliability are crucial. Index switches are proven to withstand the shock and vibration of harsh underhood and off-road conditions.

Built-in Vibration Resistance

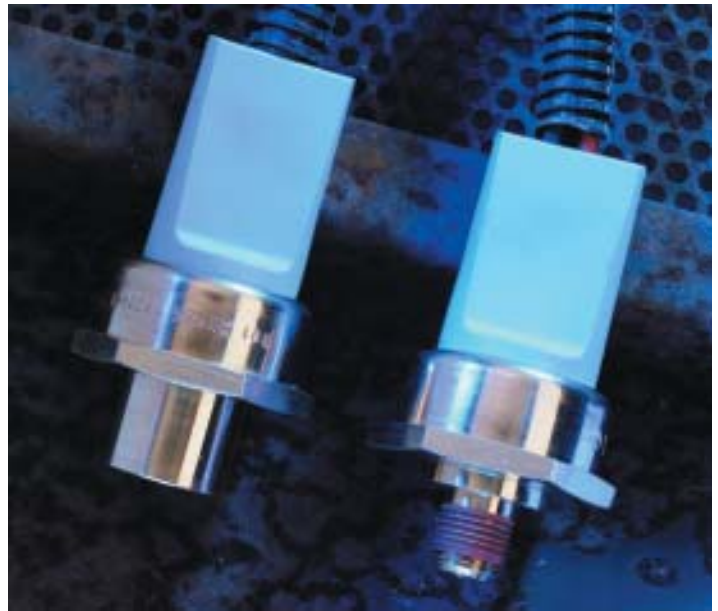
Index Pressure Switches put up a double line of defense against vibration with two snap-action elements. A crisp-response pressure disc triggers a Honeywell Micro Switch™, assuring clean electrical switching. Both elements are real workhorses in high duty-cycle applications, lasting up to 1 million cycles or more.

Custom Specs

With our OEM customers, we start by learning exactly how a pressure switch functions in the vehicle or machine. What are optimum set and reset pressures? What receives the switch signal output, and what is done with that information? Then we can dial in the optimum specs to help the entire system work at its best.

Time-Delay & Diagnostics

You have more options than just On-Off switching, too. Index Time-Delay Pressure Switches allow your equipment to “ignore” a normal, momentary high pressure spike or low pressure dip. With Index Diagnostic Switches, your control computer can distinguish a wire short or break from a normally-operating open or closed switched circuit.



Index Heavy-Duty Pressure Switches have been performance tested in the toughest environments

Pressure control, indication, warning, alarm, and monitoring for:

Air conditioning systems

Refrigeration units

Transmissions

Compressed air systems

Hydraulic fluid reservoirs

Accessory implement control & interlocks

Engine oil reservoirs

Water tanks

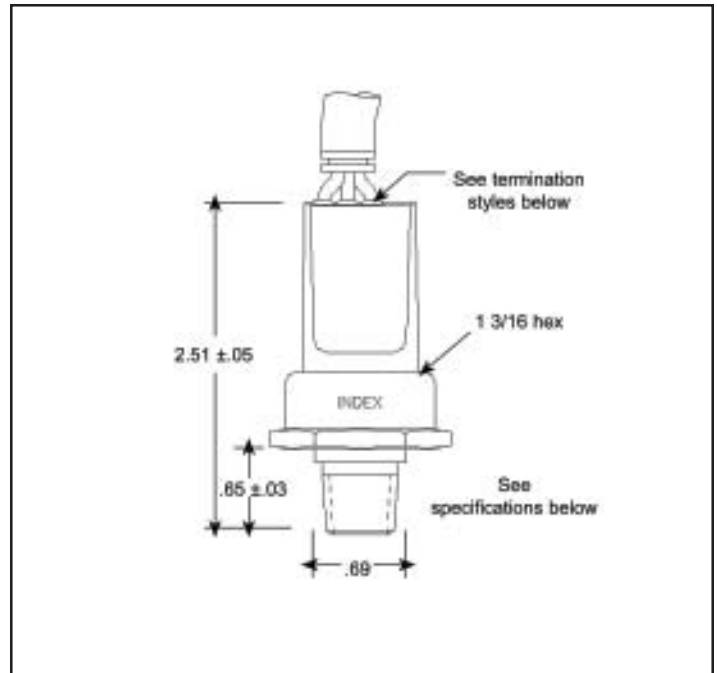
INDEX
SENSORS & CONTROLS

Heavy-Duty Pressure Switches

Solutions that Make Sense

Since 1976, Index has developed and provided reliable, advanced technology solutions for the tough requirements of the heavy-truck, bus, RV, off-road, and engine industries. Our switches, sensors and controls add greater precision, reliability, protection and intelligence so your equipment can perform at its best.

Call on our engineering and support services about information and new options for reaching your technical and bottom-line objectives.



Index Heavy-Duty Pressure Switches are ideal for a variety of industrial vehicle & equipment uses, engine and transmission oil, fuel, air-conditioning systems, and custom applications.

Specification Ranges and Options

Port Configurations	1/8" and 1/4" NPT, M14, and M12 male threads 1/4" female flare, M10, and M12 female threads (Schrader)	
Environmental Protection	Complete environmental seal Switch breathes through the wire & connector	
Termination Styles	Weatherpack, Metri-Pack, ITT Cannon, Deutsch sealed connectors, bare leads, or customer-requested termination	
Setpoint Accuracy	under 11 psi: to ± 2 psi 11 - 50 psi: to ± 3 psi 50 - 100 psi ± 5 psi 100 - 275 psi ± 7 psi over 275 psi ± 10 psi	under 76 kPa: to ± 14 kPa 76 - 345 kPa: to ± 21 kPa 345 - 690 kPa: to ± 34 kPa 690 - 1900 kPa: to ± 48 kPa over 1900 kPa: to ± 70 kPa
Endurance	Up to 1,000,000 cycles, depending upon pressure range	
Electrical Switch Mode	Available in NO (Normally Open), NC (Normally Closed), and NO/NC (3-wire) configurations	
Proof / Burst Pressure	650 / 2500 psi	4,480 / 17,240 kPa
Current Rating	10 mA to 7 amps resistive, 4 amps inductive; 12/24 VDC, 250 VAC	
Pressure Ranges	6 psi - 450 psi	40 - 3,100 kPa
Maximum Exposure Temperature	257° F	125° C

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