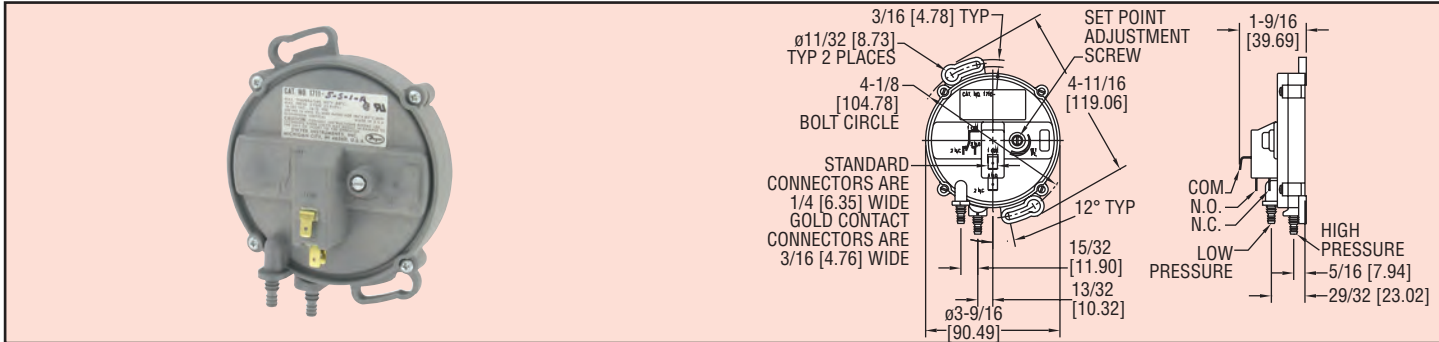




Series 1700 Low Differential Pressure Switches Designed for OEM Products



Competitively priced limit switch combines fast, simple installation with quality construction and materials. U.L. and C.S.A. recognized



Series 1700 Differential Pressure Switches were specifically designed to satisfy the demands of high volume original equipment manufacturers for a tough, dependable limit switch at a very low price. The Model 1710 uses Dwyer's simple, time-proven method of mechanically coupling a sensitive 3" diameter silicone rubber diaphragm to a versatile SPDT snap switch. The switch housing is precision molded of a high strength glass filled PPO which has excellent dimensional and thermal stability. This unique combination of existing and new technologies enables Dwyer to offer a limit switch priced less than comparable units without sacrificing performance. Installation is fast and simple with twist and tighten mounting screw slots, 1/4" quick connect electrical terminals and dual size barbed pressure ports for 1/8" and 3/16" ID vinyl or rubber tubing.

For use with air and other non-combustible, non-corrosive gases, switches are UL and CSA recognized. Two models are offered with field adjustable ranges from .15 to .55 and .50 to 7.5 in w.c. Units are rated for 2 PSIG maximum system pressure, temperature limit is 190°F and weight is only 4 oz.

APPLICATIONS

- High efficiency furnaces
- Duct pressure monitor
- Laboratory fume hoods
- Monitor air filter condition
- Engine diagnostic equipment

SPECIFICATIONS

Service: Compatible non-combustible gases.
Wetted Materials: Consult factory.
Temperature Limit: 190°F (88°C).
Pressure Limit: 2 psig (13.79 kPa).
Switch Type: SPDT.
Electrical Rating: 5 amps, 125, 250, 277 VAC, 1/10 HP 250 VAC, 150 VA. Consult factory for low current applications.

Electrical Connections: (3) 1/4" quick connect.
Process Connections: Dual size for 1/8" and 3/16" ID vinyl or rubber tubing.
Mounting Orientation: Diaphragm vertical.
Set Point Adjustment: External slotted head screw.
Housing: Glass filled PBT (polybutylene terephthalate).
Weight: 4 oz (113.4 g).
Agency Approvals: CSA, RoHS, UR.

Operating Ranges and Deadbands

Model	Range, in w.c. (mm w.c.)	Approximate Dead Band	
		At Minimum Set Point	At Maximum Set Point
1710-0	.15 - .55 (3.81 - 13.97)	.03 (.77)	.06 (1.53)
1710-5	.50 - 7.5 (12.71 - 190.5)	.10 (2.55)	.50 (12.71)

Note: All purchases must be 50 units or more.
 See page 567 for process tubing options.