

Since the company was founded in 1931, customers have come to recognize Dwyer Instruments to stand for quality, reliability, and readily available low cost products. As a leading manufacturer in the controls and instrumentation industry, we continue to grow and serve major markets including, but not limited to HVAC, chemical, food, oil and gas, and pollution control. New applications are discovered daily through a cooperative effort between Dwyer and its customers. It has been these relationships with our customers that allow us to continue to develop market demand products and further our success from leading established brand names such as the Magnehelic® pressure gages, Photohelic® switch/gages, Rate Master® flowmeters, and Hi-Flow® valves. In



**Series 1700**



**Low Differential Pressure Switch Designed for OEM Products**

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" w.c. and .50 to 7.5" w.c. Units are rated for 2 psig maximum system pressure, temperature limit is 190°F and weight is only 4 oz.

addition to new product development, Dwyer has added to its success through several acquisitions and has achieved additional market recognition.



### **Product 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:** 5A, 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 and UL recognized.



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