

# Differential Pressure Switch

## Accessory for HVAC/R

The Automated Logic Differential Pressure Switch is ideal for air filter monitoring, static pressure proving, airflow proving, or auxiliary fan actuation. Because of its UL 353 Limit Control Listing, this switch can be used in safety circuits to protect heating appliances, heating systems, processing systems, and HVAC/R systems.

The setpoint is field adjustable from 0.1" to 35" W.C, and the unit can measure positive pressure, vacuum or true differential pressure. The seven pressure ranges are field selectable by changing a color-coded spring. The spring for all ranges are shipped with the unit so that you can change ranges in the field if you choose.

The unit features a rugged plastic enclosure that protects the electrical terminations and pressure adjustment screw which is easily accessed through a port in the front cover using a square screwdriver bit. The quick connect wiring terminations are accessed by opening the hinged cover. The unit is very compact and can be mounted directly on a flat surface with the rugged mounting feet, and the pressure barbs accept 3/16" or 1/4" tubing.

The unit also features an extremely high proof pressure of 100" W.C. so that it will continue to function properly even if it is accidentally connected to an unusually high or low pressure.

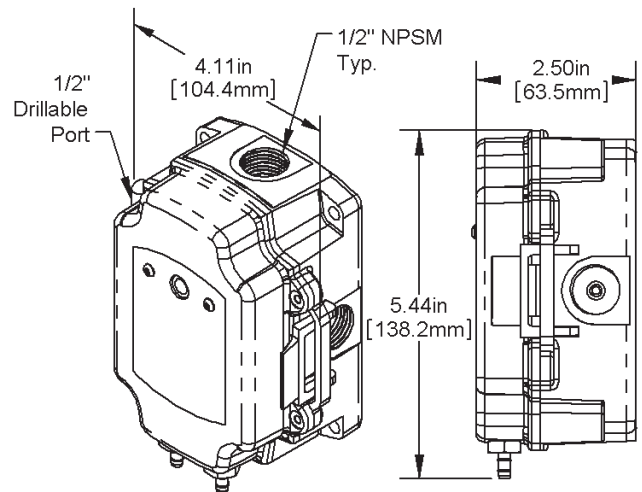


**Differential Pressure Switch**

Part Number	Description
NSB-ZPS-SW3-A	Differential Pressure Switch, 1.20" to 2.40" W.C. (300 Pa to 600 Pa)

### Specifications

- Measurement Media: Air, Combustion Gases
- Operating Temperature: -40 to 185°F (-40 to 85°C)
- Operating Humidity: 5 to 95% RH non-condensing
- Contact Ratings:
  - 28 VA pilot duty, 24 VAC • 1/10 HP, 120-277 VAC
  - 125 VA Pilot Duty, 125 VAC • 2.5 A Inductive, 125 VAC
  - 5 A Resistive, 125 VAC • 0.1 A, 30 VDC
- Proof Pressure: 100" W.C. (3.6 PSI, 24,900 Pa)
- Pressure Ports: 1/4" barbed brass fittings
- Switch Type: SPDT (Silver Contacts)
- UL Limit Control Listing: 353
- Repeatability: <10% of Setting
- Hysteresis: 0.07 to 0.09 Inch W.C. For All Ranges



The WebCTRL® building automation system gives you the ability to understand your building operations and analyze the results. The WebCTRL system integrates environmental, energy, security and safety systems into one powerful management tool that allows you to lower energy consumption, increase occupant comfort, and achieve sustainable building operations. Our web-based platform allows building managers to control and access information about their HVAC, lighting, central plant and critical processes on premises or remotely at any time of day.

