



CLEVELAND CONTROLS AIR PRESSURE SENSING SWITCHES

Supco offers 4 common style Cleveland Controls Air Pressure Sensing Switches that cover all HVAC&R applications.

Adjustable Style RSS Series

Ideal for residential and light commercial furnace, electronic air cleaner and humidifier applications.

Features / Benefits

- Convenient contractor kits for after-market installation.
- Adjustable set points.
- Factory set to activate on pressure rise.
- Electrical Ratings: 5 amp non-inductive 120 to 277 VAC.
1 Amp pilot duty (120 va) @ 120 VAC.
- Contact Arrangement: SPDT
- Operating Temperature Range: 40°F (4.4°C) to 190°F (87.8°C).
- UL & CSA Approved.
- 2-year warranty



Pressure Range

| PART NUMBER | RANGE INCHES/W.C. (INCHES WATER COLUMN) |
|--------------------|--|
| RSS49511 | 0.25" TO 1.0" w.c. |
| RSS49813 | 1.0" TO 4.0" w.c. |

Adjustable Style AFS222121

General purpose switch for HVAC, Direct Digital Control (DDC) and Energy Management applications.

Features / Benefits

- Senses positive, negative or differential air pressure.
- Set Point Range: 0.05" to 12.0" w.c.
- Electrical Ratings: 300 VA pilot duty @115 to 277 VAC, 15 amp non-inductive to 277 VAC, 60 Hz.
- Contact Arrangement: SPDT
- Operating Temperature: -40°F (-40°C) to 180°F (82°C).
- UL & CSA Approved.
- 2-year warranty

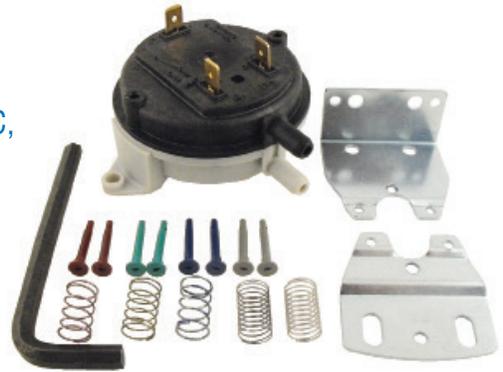


Universal Style NS2000003

Low cost, high accuracy and reliable universal air pressure switch that replaces many small foot print type switches.

Features / Benefits

- Senses positive, negative or differential air pressure.
- Set Point Range: 0.10" to 10" w.c.
- Electrical Ratings: 1/10 hp @ 120 to 277 VAC. 28 VA pilot duty @ 24 VAC, 125 VA pilot duty @ 120 VAC.
- Contact Arrangement: SPDT
- Operating Temperature Range: 40°F (4.4°C) to 190°F (87.8°C).
- UL & CSA Approved.
- 2-year warranty



Common HVAC&R Applications

- On gas fired warm air furnaces, prove fan flow by sensing draft down from blower; switch actuation allows ignition start up or shuts system down upon insufficient draft.
- Electronic air cleaners and humidifiers can employ sensing switches to prove airflow; switch actuation starts unit with sufficient airflow or draft.
- Strip heaters employ airflow sensing switches to prove positive pressure/airflow in duct and air movement across heat source; shuts off heat source with insufficient airflow.
- Exhaust fans and draft hoods employ sensing switches to sense draft down from exhaust fan; switch actuation signals condition upon fan failure or insufficient draft.
- Refrigeration and cooling coils are maintained by sensing differential pressure/airflow drop across coils; switch actuation signals condition when they ice, or actuates the defrost cycle.

Pressure Range

| SUPCO P/N | COMPETITOR NAME | COMPETITOR P/N |
|-----------|-----------------|-------------------------------|
| RSS49511 | Robertshaw® | 2374-495 |
| RSS49813 | Robertshaw® | 2374-498 |
| AFS222121 | Robertshaw® | 2374-410 |
| | White Rodgers® | 770-1 |
| NS2000003 | Honeywell® | IS2 Series IS22010051F5052 |

Related Supco Products

- **DDM55 Dual Digital Manometer:** Used to confirm pressure switch operation.
- **DAVM+ Digital Air Flow Meter:** Used to troubleshoot airflow problems.



DDM55



DAVM+



SEALED UNIT PARTS CO., INC.
PO Box 21, 2230 Landmark Place, Allenwood, NJ USA
Phone: 732-223-6644 • Fax: 732-223-1617
www.supco.com • info@supco.com