



# 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.
RSS498013	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
RSS498013	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.



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DDM55



DAVM+