

Air Proving (Pressure) Switches

Air Pressure Switch



- Safety device used in positive-pressure or differential-pressure systems to sense gas or air pressure changes
- For use with air, natural gas or LP gas
- 1/4" NPT internal thread mounting. Directly mounts to Honeywell Integrated Valve Train.
- Diaphragm actuated safety limit switch
- Switch can be wired to turn on alarm
- Removable transparent cover
- Pipe tappings allow selection of positive pressure (air only) or venting connections
- 3.0AFL, 18.0 ALR, 5.0 A resistive @ 120VAC & 240VAC

Operating Range	Switch Action	Pressure Differential		Dimensions	Description	Brand	Part Number
		Nominal	Maximum				
3.0" to 21" W.C. 0.7 to 5.2 kPa	Auto Recycle	0.24" W.C. 0.06 kPa	0.48" W.C. 0.12 kPa	3 3/16" high 2 23/32" wide 2 23/32" deep	Breaks on pressure fall. Optional switch position indicator	Honeywell	C6097A1053

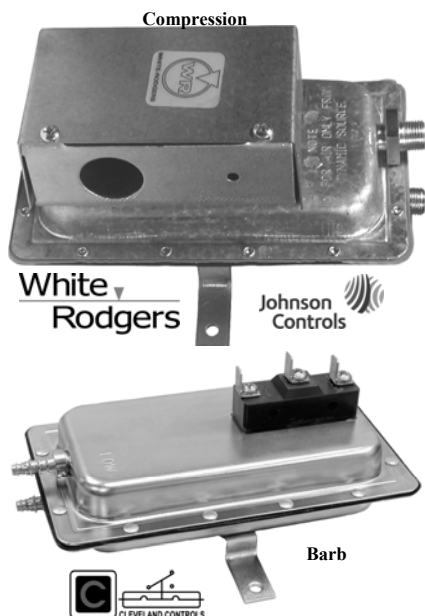
Air Pressure Switch - Differential, Pressure or Vacuum



- ANTUNES Air Differential switches

Description	Brand	Part Number
Auto Reset, .07" to 1.7" W.C.	Antunes	JD-2-BLUE
Auto Reset, 0.1" to 4" W.C.	Antunes	JD-2-GREY
Auto Reset, 0.1" to 24" W.C.	Antunes	JD-2-RED

Air Pressure Switch - Dual Purpose



- Responds to positive, negative, or differential air pressure
- Comes with one 6" piece 1/4" O.D. flexible tubing, nuts & ferrules
- Can be mounted in any position except upside down
- 15 A @ 125/240/277 VAC

Operating Range	Ambient Temp.	Switching	Max Air Pressure	Fitting	Brand	Part Number
.07 to 12 W.C.	-40 to 82C (-40 to 180F)	SPDT	.5 psi	Compression	White Rodgers	770-3
.07 to 12 WC	-40 to 82C (-40 to 180F)	SPDT	.5 psi	Compression	Johnson Controls	AFS-222
.05 to 12 WC	-40 to 82C (-40 to 180F)	SPDT	.5 psi	Compression	Neuco	DFS-221
.05 to 12 WC	-40 to 82C (-40 to 180F)	SPDT	.5 psi	Barb	Neuco	DFS-221-112

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Air Pressure Switch - Sensitive



- Uses of this differential pressure switch are for air only and include:
 - Air proving with electric duct heaters, humidifiers, etc.
 - Maximum air flow controller for variable volume systems
 - Reheat duct powered systems
 - Clogged filter detection
 - Detection of icing of air conditioning coils and initiation of defrost cycle
- Mount direct or with mounting bracket supplied
- Comes with 1/4" compression fitting, 4" extension tube, 2 mounting screws, "O" gasket, and angle barb fitting

Switch	Range	Sensitivity at Minimum Set Point	Set Point	Brand	Part Number
SPDT	0.15" to 12" W.C.	.07" W.C.	Adjustable	Johnson	P32AC-1C
SPDT	0.05" to 5" W.C.	.04" W.C.	Adjustable	Johnson	P32AC-2C
SPDT	0.05" to 5" W.C.	.025" W.C.	Adjustable	Johnson	P32AF-2C

Air Sensing Switch - Adjustable



- Designed to replace a wide variety of air sensing switches found in residential and light commercial applications including furnaces, electronic air cleaners and humidifiers
- SPDT switch provided that can be actuated by positive or negative pressure, or by pressure differential
- Highly accurate & practically insensitive to temperature change
- Includes mounting hardware and an adjustment tool for easy installation and calibration
- Mount with the diaphragm in any vertical plane
- Thermoplastic housing
- Electrical Connections: (3) male quick connect terminals, 90°
- (2) 1/4" barbed air sample line connectors will accept 1/4" or 3/8" ID flexible slip on tubing
- Electrical Rating: 5 amp noninductive @ 120-277 VAC, 1 amp pilot duty (120VA) @ 120 VAC

Adj. Set Point Range	Set Point Factory Set @	Operating Temp Range	Switching	Max Air Pressure	Brand	Part Number
.25 to 1.0" W.C.	.25" W.C.	-40 to 88C (-40 to 190F)	SPDT	1 psi	Cleveland Controls	RSS-495-11
1.0 to 4.0" W.C.	1.0" W.C.	-40 to 88C (-40 to 190F)	SPDT	1 psi	Cleveland Controls	RSS-498-13

Air Proving (Pressure) Switches

Air Pressure Sensing Switch Kits - Field Adjustable



- Can be actuated by a pressure or vacuum air flow or the differential between two air flows
- Glass filled polycarbonate housing contains a sensing diaphragm and an internal snap-acting switch with three 1/4" 90° male quick connect terminals
- Kit Includes:
 - (1) Field adjustable switch
 - (1) Black set-point adjustment screw
 - (1) Hexagon key wrench
 - (5) Color coded springs
 - (4) Color coded orifices
 - (1) Half strap mounting bracket
 - (1) Angle bracket
 - (1) Mounting screw for optional brackets
 - (2) #6-3/85 mounting screw for optional brackets

Description	Adjustable Set Point Range	Electrical Rating	Switching	Max Pressure Rating	Brand	Part Number
Basic Model	0.05" to 10.0" W.C.	1/10 HP @ 120-277 VAC 28 VA pilot duty @ 24 VAC 125 VA pilot duty @ 120 VAC	SPDT	14" W.C.	Cleveland Controls	NS2-0000-00
Bleed Hole in Mounting Pan					Cleveland Controls	NS2-0000-01