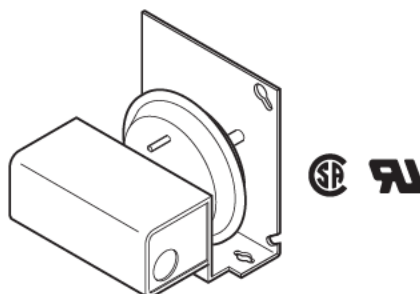


## Two-Position Air Flow Pressure Switch

This switch provides low or line voltage control of pressure for air and non-combustible gases. It controls static pressure, total pressure, or differential total pressure.

**Features:**

- High/low pressure taps.
- Adjustable from 0.07 to 1 in. (1.8 to 25.4 mm) W.C.
- Universal mounting.
- Agency approved.



Model Chart	
Model No.	Description
PC-301	Refer to Specifications.

Specifications	
<b>Setpoint</b>	
Factory setting	0.07 in. (1.8 mm) W.C.
Field adjustment	0.07 to 1 in. (1.8 to 25.4 mm) W.C.
Sensing element	Neoprene diaphragm.
Differential	0.04 in. (1 mm) W.C. at minimum setpoint to 0.1 in. (3 mm) W.C. at maximum setpoint.
<b>Environment</b>	
Ambient temperature limits	Shipping and storage: -40 to 140°F (-40 to 60°C). Operating: 35 to 140°F (2 to 60°C).
Humidity	5 to 95% RH, non-condensing.
Locations	NEMA Type 1.
Maximum pressure	12 in. (305 mm) W.C.
<b>Electrical switch</b>	
Type	Snap action SPDT.
Ratings	Refer to Maximum Electrical Switch Ratings Table.
<b>Connections</b>	
Wiring	Coded screw terminals.
High pressure taps	One barbed fitting for 3/8 in. O.D. plastic tubing.
Low pressure taps	One barbed fitting for 1/4 in. O.D. plastic tubing.
Case	All metal with 1/2 in. conduit opening.
Mounting	In vertical position on any surface free of vibration.
Dimensions	6-3/8 H x 4-3/4 W x 4-3/8 D in. (162 x 121 x 111 mm).

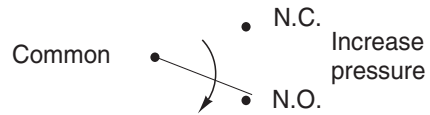
**Maximum Electrical Switch Ratings.**

Vac	Full Load Amps	Locked Rotor Amps	Pilot Duty (VA)	Non-Inductive Amps
24 V	—	—	60	—
120 V	6.25	37.5	300	
240 V	3.1	18.6		
277 V	2.7	16.2		10

**Accessories**

Model No.	Description
AP-302	Duct static pressure sensing tip for pressure 1 in. (25.4 mm) W.C. and up.
AP-305	Duct static pressure sensing tip for pressure 0.01 in. (0.3 mm) W.C. and up.
AT-208	Duct mounting bracket for probes other than AP-302 and AP-305.

**Typical Applications**



N.O. makes on increase of pressure.

**Figure 1 Switch Action for PC-301 Switch.**