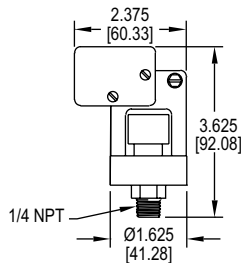


# ECONOMICAL PRESSURE SWITCH

Vacuum and Compound Ranges Available, Adjustable Set Point



The **Series A1PS/A1VS Economical Pressure Switch** is designed with a 15 Amp SPDT switch for direct control of pumps and motors. Available in pressure, vacuum, or compound ranges, the switches offer a field adjustable set point. Easily adjust the switch by aligning the top of the self locking adjusting nut with the desired setting indicated on the adjacent range scale. Connection is 1/4" male NPT for quick installation and can be mounted in any position.

### BENEFITS/FEATURES

- 15 A contact allows direct control reducing costs and reliability by having to introduce additional contacts and relays
- Field adjustable reduces installation time bring application on-line faster

### APPLICATIONS

- OEM
- Compressors
- Process equipment
- Motor control
- Pump control

### SPECIFICATIONS

**Service:** Compatible liquids or gases.  
**Wetted Materials:** Diaphragm: Buna-N; Body with fitting: Zinc alloy, chromate finish.  
**Temperature Limits:** -31 to 185°F (-35 to 85°C).  
**Pressure Limits:** 600 psig.  
**Vacuum Limits:** 29.9" Hg (vacuum and compound models only).  
**Switch Type:** SPDT snap action.  
**Electrical Ratings:** 15 A (resistive) @ 250 VAC, 1/2 HP @ 250 VAC.  
**Electrical Connections:** Three screw terminals.  
**Process Connection:** 1/4" male NPT.  
**Set Point:** Field adjustable via knurled screw cap.  
**Cycling:** Not to exceed 1 Hz.  
**Sensor Element:** Diaphragm.  
**Weight:** 7.4 oz (209 g).  
**Compliance:** UL.

### MODEL CHART

Model	Set Point Range, (kPa)	Repeatability, (kPa)	Deadband (approx.), (kPa)	Model	Set Point Range, (kPa)	Repeatability, (kPa)	Deadband (approx.), (kPa)
<b>A1PS-14</b>	1.5 to 3.5 psi (10 to 24)	±0.15 psi (1)	0.5 to 1.7 psi (3 to 11)	<b>A1VS-14</b>	6-28" Hg (-20 to -94)	±1.2" Hg (-4)	3-14" Hg (-10 to -47)
<b>A1PS-24</b>	3 to 40 psi (21 to 276)	±1.0 psi (7)	2 to 5 psi (14 to 34)	<b>A1VS-24</b>	28" Hg to 3.5 psig (-94 to 24)	±1.2" Hg (-4), ±0.15 psi (1)	6" Hg - 1.5 psi (-20 to 10)
<b>A1PS-34</b>	30 to 150 psi (207 to 1034)	±5.0 psi (34)	5 to 30 psi (34 to 207)				
<b>A1PS-44</b>	100 to 500 psi (689 to 3445)	±20.0 psi (138)	30 to 120 psi (207 to 827)				