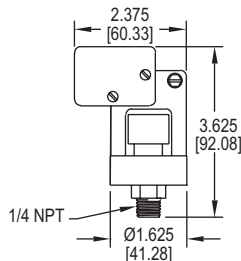


ECONOMICAL PRESSURE SWITCH

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.

FEATURES/BENEFITS

- 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).
Agency Approvals: UL.

MODEL CHART

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