



Series
A1PS/
A1VS

Economical Pressure Switch

Vacuum and Compound Ranges Available, Adjustable Set Point



Series A1PS/A1VS Economical Pressure Switches are 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.

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.

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