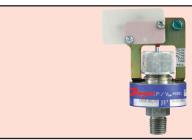


Series A1PS/ A1VS

Economical Pressure Switch

Vacuum and Compound Ranges Available, Adjustable Set Point





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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 fin-

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 Amp (resistive) @ 250 VAC, ½ 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. ensor Element: Diaphragm. Weight: 7.4 oz (209a).

STOCKED MODELS

Model Number	Set Point Range (kPa)	Repeatability (kPa)	Deadband (approx.) (kPa)	Model Number	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 A1VS-24	6-28"Hg (-20 to -94) 28"Hg to 3.5 psig	±1.2"Hg (-4) ±1.2"Hg (-4)	3-14"Hg (-10 to -47) 3-14"Hg (-10 to -47)
A1PS-24 A1PS-34	3-40 psi (21-276) 30-150 psi (207-1034)	±1.0 psi (7) ±5.0 psi (34)	2-5 psi (14-34) 5-30 psi (34-207)	A1V3-24	(-94 to 24)	±0.15 psi (1)	0.5-1.7 psi (3-11)
A1PS-44	100-500 psi (689-3445)	±20.0 psi (138)	30-120 psi (207-827)				



APS/ Adjustable Switch AVS

Vacuum and Pressure Ranges, 5A Switch, Compact Size



Miniature Series APS/AVS Adjustable Switches offer reliable switching for pressure/vacuum alarm, shutdown or control. The units are readily adjustable throughout their range using the locking adjusting ring and indicating pointer. The body is constructed of stainless steel for durability in harsh environments. Switches include 12" (30cm)wire leads sealed with epoxy for additional protection.

STOCKED MODELS

Model	Set Point	Range	Repeatability	Deadband	
Number	Decreasing	Increasing	riepeatability	(approx.)	
APS-150	0.8-28.5 psi	1.6-30.0 psi	±0.6 psi	0.8-1.3 psi	
APS-250	2.0-48 psi	3.0-50 psi	±1.0 psi	1-1.7 psi	
APS-350	3.0-96.5 psi	4.5-100 psi	±2.0 psi	1.6-4 psi	
APS-450	7.5-242.5 psi	9.7-250 psi	±5.0 psi	2.5-9 psi	
APS-550	15.0-485 psi	20.0-500 psi	±10.0 psi	5-22 psi	
AVS-150	1.6-27"Hg	2.7-28.2 " Hg	±1.2"Hg	1.3-2.7"Hg	
AVS-250	4.0-24.8 " Hg	5.1-28.2"Hg	±2.0"Hg	1.5-3.2"Hg	
AVS-350	6-21.5 " Hg	8.4-28.2 " Hg	±4.0"Hg	2.6-7.3"Hg	

SPECIFICATIONS

Service: Compatible liquids or gases.

Wetted Materials: Capsule: 17-7 PH; Fitting: 303 stainless steel.

Temperature Limits: -65 to 225°F (-54 to 107°C), a set point change of up

to 2% when used below -10°F (-23°C) or above 125°F (52°C). Pressure/Vacuum Limits: 150% of range.

Switch Type: SPDT snap action.

Electrical Ratings: 5A @ 250 VAC, 3A @ 28 VDC.

Electrical Connections: 3-wire, 20 AWG insulated with PVC, 12" (30cm)

Process Connection: 1/8" male NPT.

Setpoint: Field adjustable. Cycling: Not to exceed 20 CPM. Sensor Element: Capsule.

Weight: 3 oz (85g).