Economical Pressure Switch
Vacuum and Compound Ranges Available, Adjustable Set Point

Series AIPS/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.

Price — All Series AIPS/A1VS models ........................................... $43.75

Series AIPS/A1VS

Model | Set Point Range (kPa) | Repeatability (kPa) | Deadband (approx.) (kPa)
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AIPS-14 | 1.5-3.5 psi (10-24) | ±1.0 psi (7) | 0.5-1.7 psi (3-11)
A1PS-24 | 3-40 psi (21-276) | ±5.0 psi (34) | 2-5 psi (14-34)
AIPS-34 | 30-150 psi (207-1034) | ±20.0 psi (138) | 5-30 psi (34-207)
AIPS-44 | 100-500 psi (689-3445) | ±100.0 psi (689) | 30-120 psi (207-827)
A1PS-14 | 28˝ Hg to 3.5 psig (-94 to 24) | ±1.2˝ Hg (-4) | ±0.15 psi (1)
A1PS-24 | 28 psi to 3.5 psig (-94 to 94) | ±1.2˝ Hg (-4) | ±0.15 psi (1)

Adjustable Pressure Switch
Vacuum and Pressure Ranges, 5 A Switch, Compact Size

Series APS/AVS

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˝ (30 cm) wire leads sealed with epoxy for additional protection.

Price — All Series APS/AVS models ........................................... $88.00

Series APS/AVS

Model | Increasing | Decreasing | Repeatability | Deadband psi (bar)
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APS-150 | 0.8-28.5(6.6-202) | ±1.0(0.7) | ±0.5(0.4) | 0.5-1.7(3-11)
APS-250 | 2.0-48.0(14.3-330) | ±2.0(1.4) | ±1.0(0.7) | 1.5-3.2(10.2-22)
APS-350 | 3.0-96.5(21.3-665) | ±5.0(3.5) | ±2.0(1.4) | 2.7-6.3(18.5-44)
APS-450 | 7.5-242(52-167) | ±10.0(6.9) | ±5.0(3.5) | 5-22.0(35.2-153)
APS-550 | 15.0-485(103-3304) | ±15.0(10.5) | ±10.0(6.9) | 15.0-485(103-3304)

Series A1PS/A1VS

Model | Increasing | Decreasing | Repeatability | Deadband (approx.) (kPa)
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A1PS-14 | 2.29˝ Hg (-20 to -94) | ±1.2˝ Hg (-4) | ±0.15 psi (1) | 0.5-1.7 psi (3-11)
A1PS-24 | 28 psi to 3.5 psig (-94 to 24) | ±1.2˝ Hg (-4) | ±0.15 psi (1) | 0.5-1.7 psi (3-11)

SPECIFICATIONS
Service: Compatible liquids or gases. Wetted Materials: Capsule: 17-7 PH SS; Fitting: 303 SS. Body with fitting: Zinc alloy, chrome finish. 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).湛 Limit: 150% of Pressure/Vacuum Limits. Wetted Materials: Capsule: 17-7 PH SS; Fitting: 303 SS. Film: 316 SS, 316 SS, 303 SS. Sensor Element: Diaphragm. Service: Compatible liquids or gases. Plastic: Polypropylene, 302 SS, PTFE. Agency Approvals: UL.

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: Capsule. Weight: 150 g (209 g).

Agency Approvals: UL.

SPECIFICATIONS
Service: Compatible liquids or gases. Wetted Materials: Capsule: 17-7 PH SS; Fitting: 303 SS. Body with fitting: Zinc alloy, chrome finish. 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 Limits: 600 psig. Vacuum Limits: 30-120 psi (207-827) with 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: Capsule. Weight: 7.4 oz (209 g).

Agency Approvals: UL.

Electrical Ratings: 5 A @ 250 VAC, 3 A @ 28 VDC. Electrical Connections: 3-wire, 20 AWG insulated with PVC, 12˝ (30 cm) length. Process Connection: 1/8˝ male NPT. Setpoint: Field adjustable. Cycling: Not to exceed 20 CPM. Sensor Element: Capsule. Weight: 3 oz (85 g).

Agency Approvals: UR.