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:** 15A (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 Comparison
- **APS-150**
  - **Set Point Range:** 0.8-28.5 psi (6-200 kPa)
  - **Repeatability:** ±0.15 psi (1 kPa)
  - **Deadband:** approximately 0.5-1.7 psi (3-11 kPa)
- **APS-250**
  - **Set Point Range:** 2.0-48 psi (14-330 kPa)
  - **Repeatability:** ±1.0 psi (7 kPa)
  - **Deadband:** approximately 2-5 psi (14-33 kPa)
- **APS-350**
  - **Set Point Range:** 3.0-60 psi (21-420 kPa)
  - **Repeatability:** ±2.0 psi (14 kPa)
  - **Deadband:** approximately 5-10 psi (34-70 kPa)
- **APS-450**
  - **Set Point Range:** 7.5-24 psi (52-167 kPa)
  - **Repeatability:** ±5 psi (35 kPa)
  - **Deadband:** approximately 10-20 psi (67-134 kPa)
- **APS-550**
  - **Set Point Range:** 15.0-48 psi (103-334 kPa)
  - **Repeatability:** ±10 psi (69 kPa)
  - **Deadband:** approximately 20-40 psi (138-267 kPa)

### Model Comparison
- **AVS-150**
  - **Set Point Range:** 0.8-28.5 psi (6-200 kPa)
  - **Repeatability:** ±1.2˝ Hg (3 kPa)
  - **Deadband:** approximately 3-6˝ Hg (7-15 kPa)
- **AVS-250**
  - **Set Point Range:** 2.0-48 psi (14-330 kPa)
  - **Repeatability:** ±0.15 psi (1 kPa)
  - **Deadband:** approximately 0.5-1.7 psi (3-11 kPa)
- **AVS-350**
  - **Set Point Range:** 3.0-60 psi (21-420 kPa)
  - **Repeatability:** ±2.0 psi (14 kPa)
  - **Deadband:** approximately 5-10 psi (34-70 kPa)
- **AVS-450**
  - **Set Point Range:** 7.5-24 psi (52-167 kPa)
  - **Repeatability:** ±5 psi (35 kPa)
  - **Deadband:** approximately 10-20 psi (67-134 kPa)
- **AVS-550**
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