The **SERIES ADPS/EDPS/BDPA/BYDS** Adjustable Differential Pressure Switch is designed for pressure, vacuum, and differential pressures. The dual scaled adjustment knob in inches water column and pascals allows changes to the switching pressure to be made without a pressure gage. The ADPS/EDPS/BDPS is available with settings from 0.05 in w.c. (13 Pa) up to 20 in w.c. (5000 Pa). The silicone diaphragm and PA 6.6 body make the series ADPS ideal for use with air and other noncombustible gases. Series EDPS models meet UL508 and are constructed of plenum rated plastics. The series BDPA Adjustable Differential Pressure Alarms offer a versatile range of pressure, vacuum, and differential pressures. The dual scaled adjustment knob in inches water column and pascals allows changes to the switching pressure to notification, and battery or line powered. The compact size, adjustment knob and low cost make the ADPS/EDPS/BDPS the perfect choice for HVAC applications.

**FEATURES/BENEFITS**
- Adjustment knob changes switching pressure easily with a pressure gage reducing components for application
- Low cost device makes it an excellent solution in BAS and HVAC applications requiring duct control and monitoring
- Relay contact allows simple integration with DDC or building systems

**APPLICATIONS**
- Air filter and ventilator monitoring
- Industrial cooling circuits
- Fire-protection damper control
- Ventilation duct monitoring
- Fan heater overheating protection

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Set Point Range in w.c. (Pa)</th>
<th>Approx. Dead Band @ Min Set Point in w.c. (Pa)</th>
<th>Approx. Deadband @ Max Set Point in w.c. (Pa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADPS-05-2-N</td>
<td>0.05 to 1.20 (20-300)</td>
<td>0.05 (12)</td>
<td>0.05 (12)</td>
</tr>
<tr>
<td>ADPS-06-2-N</td>
<td>0.12 to 1.60 (50-500)</td>
<td>0.09 (23)</td>
<td>0.09 (23)</td>
</tr>
<tr>
<td>ADPS-07-2-N</td>
<td>0.20 to 2.00 (100-1000)</td>
<td>0.13 (30)</td>
<td>0.13 (30)</td>
</tr>
<tr>
<td>ADPS-08-2-N</td>
<td>0.30 to 3.00 (200-2000)</td>
<td>0.20 (30)</td>
<td>0.20 (30)</td>
</tr>
<tr>
<td>ADPS-09-2-N</td>
<td>0.40 to 4.00 (500-5000)</td>
<td>0.35 (60)</td>
<td>0.35 (60)</td>
</tr>
</tbody>
</table>

**ADJUSTABLE DIFFERENTIAL PRESSURE SWITCH**

**With Dual Scale Field Adjustable Set Point Knob**

**SERIES ADPS/EDPS/BYDS**

**APPLICATIONS**

- Relay contact allows simple integration with DDC or building systems
- Low cost device makes it an excellent solution in BAS and HVAC applications
- Adjustment knob changes switching pressure easily with a pressure gage reducing components for application
- Low cost device makes it an excellent solution in BAS and HVAC applications requiring duct control and monitoring
- Relay contact allows simple integration with DDC or building systems

**FEATURES/BENEFITS**

- Audible Buzzer
- Power Input
- LED
- Test/Snooze Button
- Battery
- Contact Output

**SPECIFICATIONS**

- Switch Type: Single-pole double-throw
- Service: Air and non-combustible, compatible gases
- Wetted Materials: ADPS/BDPA/BYDS: Diaphragm material: Silicone; Housing material: POM; Switch body: PA 6.6; Cover: Polystyrene; EDPS: Diaphragm material: Silicone; Housing material: Switch body: PA 6.6; Cover: Polystyrene; Materials: IUL V-0 rated
- Temperature Limits: Process and ambient temperature from 4 to 185°F (-20 to 85°C)
- Pressure Limits: Max. operating pressure: 40 in w.c. (10 kPa) for all pressure ranges
- Switch Type: Single-pole double-throw (SPDT)