Explosion-proof, heavy duty, industrial unit has patented and unique new design which provides sensitivity to differential pressures as low as 10 inches of water (254 mm w.c.), yet handles total pressure of 1500 psi (103 bar). Unlike common differential pressure switches that use a piston-type motion transfer, the Series H3 utilizes a rotary motion transfer shaft that prevents a change in total pressure from causing a setpoint shift. Unit yields deadbands approximately 5% of range, with zero setpoint shift due to variation in working pressures. Friction is minimized and repeatability increased by allowing range adjustment without damage. Special overtravel feature prevents overtightening of range adjust screw. Choose optional 316SS chamber for water and water-based fluids or harsher applications.

### SPECIFICATIONS

- **Wetted Materials:** See pressure chamber and diaphragm material in model chart.
- **Temperature Limit:** -4 to 220°F (-20 to 104°C), ATEX: -20 to 90°C (-4 to 194°F).
- **Pressure Limit:** 1500 psig (103 bar).
- **Enclosure Rating:** Standard meets NEMA 4X (IP56), drain option meets NEMA 3 (IP54). For hazardous use see the hazardous location ratings chart.
- **Switch Type:** SPDT or DPDT snap switch.
- **Electrical Rating:** 5A @ 125/250 VAC, 1A resistive or 0.5 A inductive @ 30 VDC.
- **Conduit Connection:** See ratings chart.

### Construction

- **H3** Series designation; weatherproof and explosion-proof.
- **Pressure Chamber & Diaphragm Material (Wetted):** Aluminum chamber with Nitrile diaphragm; Fluoroelastomer diaphragm.
- **Adjustable Operating Range:**
  - 1 Adjustable range 10-180 in. w.c. (2.48-4.57 kPa)
  - 2 Adjustable range 0.5-15 psid (0.34-4.8 kPa)
  - 3 Adjustable range 10-200 psid (0.69-13.8 kPa)
  - 4 Adjustable range 5-70 psid (0.26-0.48 kPa)
- **Circuit (Switch) Options:**
  - SPDT snap action switch rated 5A @ 125/250 VAC, 30 VDC, add $30.00
  - DPDT snap action switch rated 5A @ 125/250 VAC, 30 VDC
- **Electrical Connection Options:**
  - 18 AWG x 18 inch lead wires
  - UL, CSA approved internal terminal block - add $37.25
  - ATEX approved internal terminal block - add $108.00

### Example

<table>
<thead>
<tr>
<th>Model</th>
<th>UL</th>
<th>CSA</th>
<th>Hazardous Location Ratings</th>
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<tbody>
<tr>
<td>H3</td>
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<td>A-610</td>
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### Price

- **Model H3A-1SL** $438.00
- **Model H3A-2SL** 438.00
- **Model H3A-3SL** 438.00
- **Model H3S-1SL** 585.00
- **Model H3S-2SL** 585.00
- **Model H3S-3SL** 585.00
- **A-610, Pipe Mounting Kit for 1-1/4 to 2" pipe** 24.00

**Note:** Shown without housing and cover.