**Bourdon Tube Pressure Switches**

**Pressure Ranges to 8000 psi (551.6 bar)**

**ELECTRICAL RATING:** See model charts.

**ELECTRICAL CONNECTIONS:** Screw terminal.

**CONDUIT CONNECTION:** General purpose: 1/2˝ hole for conduit hub; Weatherproof: 1/2˝ conduit hub; Explosion-proof: 3/4˝ female NPT.

**PROCESS CONNECTION:** General purpose and weatherproof: 1/4˝ male NPT, 1/2˝ male NPT on ranges 15S and 16S; Explosion-proof: 1/2˝ male NPT and 1/4˝ female NPT.

**MOUNTING ORIENTATION:** Vertical.

**SET POINT ADJUSTMENT:** Thumb screw.

**WEIGHT:** General purpose: 4 lb (1.8 kg); Weatherproof: 6 lb (2.7 kg); Explosion-proof: 8 lb (3.5 kg).

**DEADBAND:** See model chart.

**AGENCY APPROVALS:** CE, UL, CSA, FM (mercury switch units are not CE approved) (Consult factory for FM approved models).

**OPTIONS**

- **Weatherproof Enclosure, Series DAW –** Add "W" to model number after DA or DS and change 1 to 3.
  
  Example: DAW-31-153-7

  Add $116.25

- **Explosion-Proof Enclosure, Series DAH –** Suitable for Class I, Groups C and D; NEMA 7; Class II, Groups E, F, G; Class III NEMA 9 and 9A, Division 1. Add "H" to model number after DA or DS

  Example: DAH-31-153-7

  Add $554.00

- **FM Approved:** For general purpose and explosion-proof models see agency approvals. Add "FM" to model number after DA, DS, DAH or DSH . . . add $49.75

  Examples: DA-FM-31-153-7 or DAH-FM-31-153-7

- **Other Options (Consult Factory):** DPDT switches or other switch types, fixed deadband mercury switch units for low deadband applications, manual reset operation, two-stage operation, acetal bushed movement for applications with high amounts of vibration and/or pulsation, fungus proofing, siphon, diaphragm seals, mounting flange and remote connection.

**FEATURES**

- Visible calibrated dial
- On/off indication (except hermetically sealed snap switch models)
- Adjustable or fixed deadband
- SPDT snap-action, hermetically sealed snap action or hermetically sealed mercury switch
- External switch setpoint adjustments
- Minimum deadband is obtainable at any point in the range
- Pressure ranges of full vacuum to 8000 psig
- UL listed, CSA approved, many models FM approved
- General purpose, weatherproof or explosion-proof enclosures

**SPECIFICATIONS**

**Wetted Materials:** Brass, 403 SS, or 316 SS.

**Temperature Limit:** 180°F (82°C).

**Pressure Limit:** Maximum pressure of the operating range.

**Enclosure Rating:** General purpose, weatherproof or explosion-proof.

**Repeatability:** ±1% of full operating range, ±1.5% on DS-7300 models.

**Switch Type:** SPST mercury switch, SPDT mercury switch, SPDT snap switch, or SPDT hermetically sealed snap switch. Other circuit types available.

**Electrical Rating:** See model charts.

**Electrical Connections:** Screw terminal.

**Conduit Connection:** General purpose: 1/2˝ hole for conduit hub; Weatherproof: 1/2˝ conduit hub; Explosion-proof: 3/4˝ female NPT.

**Process Connection:** General purpose and weatherproof: 1/4˝ male NPT, 1/2˝ male NPT on ranges 15S and 16S; Explosion-proof: 1/2˝ male NPT and 1/4˝ female NPT.

**Mounting Orientation:** Vertical.

**Set Point Adjustment:** Thumb screw.

**Weight:** General purpose: 4 lb (1.8 kg); Weatherproof: 6 lb (2.7 kg); Explosion-proof: 8 lb (3.5 kg).

**Deadband:** See model chart.

**Agency Approvals:** CE, UL, CSA, FM (mercury switch units are not CE approved) (Consult factory for FM approved models).
## D Series Pressure Switch with Mercury Switch and General Purpose Enclosure

<table>
<thead>
<tr>
<th>Bourdon Tube Material</th>
<th>Adjustable Operating Range (psig)</th>
<th>Minimum Deadband (psig)</th>
<th>SPST 4A @ 120 V</th>
<th>SPST Open on Increase 10A @ 120 V</th>
<th>SPST Close on Increase 10A @ 120 V</th>
<th>Price ($)</th>
<th>Minimum Deadband (psig)</th>
<th>SPST Open on Increase 1A @ 120 V</th>
<th>SPST Close on Increase 1A @ 120 V</th>
<th>Price ($)</th>
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<td>30˝Hg Vac – 60</td>
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## D Series Pressure Switch with Snap Action Switch and General Purpose Enclosure

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**Call to Order:** U.S. Phone 219-879-8000 • U.K. Phone (+44) (0)1494-461707 • Australia Phone (+61) (0) 2 4272 2055