**DESCRIPTION:**

Rugged, compact and easy-to-install • Ideal for most engine, hydraulic and air system related applications • Compatible with a variety of hydrocarbon-based fluids and other operating media such as air • Sealed system for protection against potentially damaging fluids and air permeability • Competitively priced

**SPECIFICATIONS:**

- **Size:** 2.52" long x 1.47" wide.
- **Internal Configuration:** Direct-action blade contacts.
- **Contact material:** Silver alloy.
- **Diaphragm/"O"-ring:** Polyimide film/nitrile type "O"-ring.
- **Base:** Zinc-plated steel.
- **Cover:** Glass-reinforced polyester.
- **Pressure port:** 1/8"-27 NPT pipe threads, steel.
- **Contact ratings:** Eight (8) amps @ 12VDC; one (1) amp @ 120 VAC.
- **Screw Terminals:** #8-32.
- **Set point options:** 4, 15, 60 or 100 psi.
- **Circuit configurations:** Normally opened or closed [each with two terminals] or dual-circuit with three terminals.
- **Operating pressure:** 150 psi maximum; 300 psi proof pressure; 750 psi burst pressure.
- **Operating temperature:** -20 F to 200 F.
- **Operating media:** Air, motor oils, transmission oils (water and freon are NOT recommended).

**APPLICATION:**

Suitability of application is the responsibility of the user. Extreme heat (in excess of 200 F) and vibration must be avoided. Install only by using a wrench on the hex base. Torquing at any other side of the switch voids warranty and may cause malfunction. Polyimide film diaphragm is NOT recommended for use with water or freon. Compatibility of the steel base and the actuating media is the responsibility of the user. Maximum operating pressure is 150 psi. Consult your local dealer for more information as required.
# 835 SERIES PRESSURE SWITCHES

<table>
<thead>
<tr>
<th>FACTORY SETTING (PSI)</th>
<th>CIRCUITY</th>
<th>SINGLE CIRCUIT TWO TERMINAL</th>
<th>DUAL CIRCUIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>N.O.</td>
<td>109746</td>
<td>109754</td>
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<td>N.C.</td>
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<td>15</td>
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<td>N.C.</td>
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<tr>
<td>60</td>
<td>N.O.</td>
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<td>109756</td>
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<td>N.C.</td>
<td>109751</td>
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<td>100</td>
<td>N.O.</td>
<td>109752</td>
<td>109757</td>
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<tr>
<td></td>
<td>N.C.</td>
<td>109753</td>
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</tbody>
</table>

![Diagram of 835 SERIES PRESSURE SWITCHES]

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**FACTORY SETTING (PSI)**

- N.O.: Normally Open
- N.C.: Normally Closed

**DUAL CIRCUIT**

- 109754
- 109755
- 109756

**SINGLE CIRCUIT TWO TERMINAL**

- 109746
- 109747
- 109748
- 109749
- 109750
- 109751
- 109752
- 109753

**DIMENSIONS**

- Diameter: 1.47 Dia REF
- Height: 2.52 REF
- Diameter at Base: 1.370
- Diameter at Top: 0.739
- Diameter at Base NPT: 0.295
- Diameter at Top NPT: 0.302

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