**Power Tap Switches**

*High-current, Non-shorting Type*

Ohmite power Tap Switches (high power rotary switches) are constructed to provide dependable, convenient operation.

All Ohmite tap switches, from 15 to 100 amps, have ceramic arc-proof bodies and metal alloy contacts. Their all-soldered and all-riveted construction assures mechanical and operational integrity. Even the smallest Ohmite Tap Switch, rated at 7 amps, has a reinforced non-metal body and solid metal alloy contacts. These units feature high current handling capability in a small package.

**Features**

- "Slow-breaking, Quick-make" action proved best for switching AC current.
- Non-shorting type disconnects previous circuit before establishing contact for succeeding tap.
- Ceramic and metal construction provides resistance to arcing, burning and charring.
- Tandem assemblies available as standard models.
- UL listed for models 111, 212, 312 and 412.
- RoHS compliant product available.

**Model 711:** Using ¾-32 bushing for ½" thick maximum panel. Four non-turn lug positions are possible on the single, enclosed switch. Recesses in body of switch permit positioning of non-turn washer at 12, 3, 6 and 9 o'clock. ¾” hole for non-turn washer. Shaft ⅜".

**Model 111:** For ¼" panel, maximum, using ¾-32 bushing and hex nut. A ¾” hole is required for the non-turn washer. Shaft ⅛”.

**Model 212:** Using ¾-32 threaded bushing and hex nut. A ¾” hole is required for the non-turn pin. Shaft ⅛”.

**Model 312:** For ¼” panel, maximum, use three 10-32 flat-head machine screws ½” long. Shaft ⅛”.

**Model 412:** For ¼” panel, maximum, use three 10-32 flat-head machine screws ½” long. A ½” hole in panel is required for shaft.

**Model 608:** For 1” panel, maximum, three flat-head machining screws 11/32” long. Drill a ¾” hole in panel for shaft. Shaft ⅜”.

**NOTE:** Since all tap switches are electro-mechanical devices, they are subject to wear and, therefore, have a finite life.

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**Specifications**

**Material**
- Body: Ceramic, arc-proof (models 212, 312, 412, 608).
- Compression molded Polyester (model 111).
- Melamine Phenolic (model 711).

**Contacts:** Silver alloy. Common contact is rounded for assured seating. Self-cleaning with built-in wiping action.

**Terminals:** Soldering. 711 also accepts quick connectors; 412, #10 screws; 608, 0.25" bolts.

**Mounting**

**Model 711:** Using ¾-32 bushing for ½" thick maximum panel. Four non-turn lug positions are possible on the single, enclosed switch. Recesses in body of switch permit positioning of non-turn washer at 12, 3, 6 and 9 o'clock. ¾” hole for non-turn washer. Shaft ⅜”.

**Model 111:** For ¼" panel, maximum, using ¾-32 bushing and hex nut. A ¾” hole is required for the non-turn washer. Shaft ⅛”.

**Model 212:** Using ¾-32 threaded bushing and hex nut. A ¾” hole is required for the non-turn pin. Shaft ⅛”.

**Model 312:** For ¼” panel, maximum, use three 10-32 flat-head machine screws ½” long. Shaft ⅛”.

**Model 412:** For ¼” panel, maximum, use three 10-32 flat-head machine screws ½” long. A ½” hole in panel is required for shaft.

**Model 608:** For 1” panel, maximum, three flat-head machining screws 11/32” long. Drill a ¾” hole in panel for shaft. Shaft ⅜”.

**NOTE:** Since all tap switches are electro-mechanical devices, they are subject to wear and, therefore, have a finite life.

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**Standard Part Numbers for Power Tap Switches**

<table>
<thead>
<tr>
<th>Model 711</th>
<th>Model 111</th>
<th>Model 212</th>
<th>Model 312</th>
<th>Model 412</th>
<th>Model 608</th>
</tr>
</thead>
<tbody>
<tr>
<td>7A - 125V</td>
<td>15A - 125V</td>
<td>20A - 150V</td>
<td>30A - 300V</td>
<td>50A - 300V</td>
<td>100A - 300V</td>
</tr>
<tr>
<td>Single unit</td>
<td>Single unit</td>
<td>Single unit</td>
<td>Single unit</td>
<td>Single unit</td>
<td>Single unit</td>
</tr>
<tr>
<td>1 in tandem</td>
<td>2 in tandem</td>
<td>2 in tandem</td>
<td>2 in tandem</td>
<td>2 in tandem</td>
<td>2 in tandem</td>
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<td>3 in tandem</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of taps</th>
<th>Total rotation</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>60°</td>
</tr>
<tr>
<td>4</td>
<td>90°</td>
</tr>
<tr>
<td>5</td>
<td>120°</td>
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<tr>
<td>6</td>
<td>150°</td>
</tr>
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<td>7</td>
<td>180°</td>
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<td>8</td>
<td>210°</td>
</tr>
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<td>9</td>
<td>240°</td>
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<td>10</td>
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<td>11</td>
<td>300°</td>
</tr>
<tr>
<td>12</td>
<td>330°</td>
</tr>
</tbody>
</table>

* = Non-standard values subject to minimum handling charge per item.
* Insert number of taps at asterisk for complete part number (e.g. 111-3-T2)

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See page 82 for knobs, dials, and other hardware.
Power Tap Switches
High-current, Non-shorting Type

Model 111

Model 212

Model 312

Model 412

Model 608