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 Jan. 2006 Add "E" suffix to part number to specify.

**Specifications**

**Material**
- 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 1/8"-32 bushing for 1/4" thick maximum panel. Four non-turn lug positions are possible on the single, unenclosed switch. Recesses in body of switch permit positioning of non-turn washer at "12, 3, 6 and 9 o'clock." 3/16" hole for non-turn washer. Shaft 1/4".
  - Model 111: For 1/4" panel, maximum, using 3/8"-32 bushing and hex nut. A 5/16" hole is required for the non-turn washer. Shaft 1/4".
  - Model 212: Using 1/8"-32 threaded bushing and hex nut. A 5/32" hole is required for the non-turn pin. Shaft 1/4".
  - Model 312: For 1/4" panel, maximum, use three 10-32 flat-head machine screws 5/8" long. Shaft 1/4".
  - Model 412: For 1/4" panel, maximum, three 10-32 flat-head machine screws 7/8" long. A 5/16" hole in panel is required for shaft.
  - Model 608: For 1" panel, maximum, three flat-head machining screws, 1/4-20, 1 1/4" long. Drill a 7/16" hole in panel for shaft. Shaft 5/8".

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

### Standard Part Numbers for Power Tap Switches

<table>
<thead>
<tr>
<th>Model</th>
<th>7A - 125V</th>
<th>15A - 125V</th>
<th>20A - 150V</th>
<th>30A - 300V</th>
<th>50A - 300V</th>
<th>100A - 300V</th>
</tr>
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<tr>
<td>711</td>
<td>7A</td>
<td>15A</td>
<td>20A</td>
<td>30A</td>
<td>50A</td>
<td>100A</td>
</tr>
<tr>
<td></td>
<td>11.5V</td>
<td>15.5V</td>
<td>20.5V</td>
<td>30.5V</td>
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<td>5/16</td>
</tr>
<tr>
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<td>20.6</td>
<td>28.7</td>
<td>44.5</td>
<td>57.2</td>
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<td>84.1</td>
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<td>1/8</td>
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<td>1/6</td>
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<tr>
<td></td>
<td>62.7</td>
<td>—</td>
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<tr>
<td></td>
<td>7-12 oz-in.</td>
<td>—</td>
<td>3-7 in-lbs.</td>
<td>3-8 in-lbs.</td>
<td>3-8 in-lbs.</td>
<td>3-10 in-lbs.</td>
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</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)

Check product availability at www.ohmite.com

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

Model 111
5/64" DIA. HOLES
3/16" x .028" TERMINALS
END POSITIONS CONTACTOR TERMINAL
BUSHING 3/8"-32 THD.
WITH 3/32" THICK HEX. NUT
DRILL 3/8" HOLE
IN PANEL FOR
NON-TURN LUG

Model 212
1/8" DIA. HOLES
5/64" x 1/32" TERMINALS
END POSITIONS
TOTAL OPERATING ANGLE 330°
30° BETWEEN CONTACTS
METAL COVER
END POSITIONS
3/8" DIA. BUSHING
WITH 3/32" THICK NUT
DRILL 1/8" DIA. HOLE
IN PANEL FOR NON-
TURN PIN

Model 312
5/32" DIA. HOLES
9/32" x 3/64" TERMINALS
END POSITIONS
TOTAL OPERATING ANGLE 330°
30° BETWEEN CONTACTS
CONTACTOR TERMINAL
3 MOUNTING HOLES
TAPPED 10-32

Model 412
7/16" x 3/64" TERMINALS
END POSITIONS
TOTAL OPERATING ANGLE 330°
30° BETWEEN CONTACTS
CONTACTOR TERMINAL
3 MOUNTING HOLES
TAPPED 10-32

Model 608
17/64" DIA. HOLES
5/32" x 3/32" TERMINALS
END POSITIONS CONTACTOR TERMINAL 40°
TOTAL OPERATING ANGLE 280°
40° BETWEEN CONTACTS.
SYMmetrical about CENTERLINE
3 MOUNTING HOLES
TAPPED 1/4"-20

Ohmite Mfg. Co.