

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, metal alloy contacts, and are of an all-soldered and all-riveted construction which 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; a very small unit with high current handling capability.

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 stock models.
- UL listed for models 111, 212, 312 and 412

SPECIFICATIONS

Material

Body: Ceramic, arc-proof (models 111, 212, 312, 412, 608).

Melamine Phenolic (model 711)

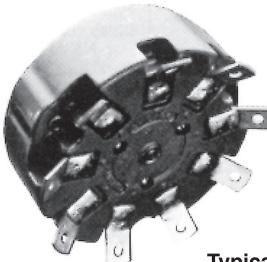
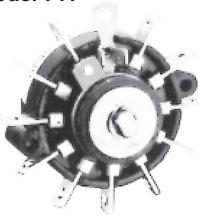
Contacts: Silver alloy. Common contact is rounded for assured seating. Self-cleaning with built in wiping action.

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

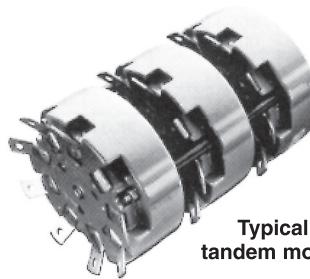
Power Tap Switches

High-current, Non-shorting Type

Model 711



Typical ceramic style



Typical tandem model

Model	Rating (AC)	Rating (DC)*	Max. no. of taps	Diameter (max., in./mm)	Depth behind panel (in./mm)	Shaft Torque
				single	2 in tandem	3 in tandem
711	7A 125V	7A 20V	11	1.56 / 39.6	13/16 / 20.6	215/32 / 62.7
111	15A 125V	15A 20V	11	2.0 / 50.8	1 1/8 / 28.7	2 3/4 / 69.9
212	20A 150V	20A 20V	12	2.81 / 71.4	1 3/4 / 44.5	43/16 / 106.4
312	30A 300V	30A 20V	12	3.13 / 79.5	2 1/4 / 57.2	45/8 / 117.5
412	50A 300V	50A 20V	12	3.32 / 84.3	27/16 / 61.9	5 1/32 / 127.8
608	100A 300V	100A 20V	8	4.88 / 124.0	35/16 / 84.1	75/8 / 193.7
					6 13/16 / 173.0	105/16 / 261.9

*non-inductive load

All dimensions for reference only; consult factory for details.

Mounting

Model 711: Using 3/8-32 bushing for 1/8" 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 3/16" hole is required for the non-turn washer. Shaft 1/4"

Model 212: Using 3/8-32 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 3/8" long. Shaft 1/4"

Model 412: For 1/4" panel, maximum, use three 10-32 flat-head machine screws 3/8" 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 3/8"

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

See page 78 for knobs, dials, and other hardware

STOCK PART NUMBERS FOR STANDARD RESISTANCE VALUES

Number of taps*	Total rotation	Model 711 7A - 125V	Model 111 15A - 125V	Model 212 20A - 150V	Model 312 30A - 300V	Model 412 50A - 300V	Number of taps*	Total rotation	Model 608 100A - 300V
3	60°	♦	711-*	711-*	711-*	711-*	3	80°	608-*
4	90°	♦	♦	♦	♦	♦	4	120°	608-*
5	120°	♦	♦	♦	♦	♦	5	160°	608-*
6	150°	♦	♦	♦	♦	♦	6	200°	608-*
7	180°	♦	♦	♦	♦	♦	7	240°	608-*
8	210°	♦	♦	♦	♦	♦	8	280°	608-*
9	240°	♦	♦	♦	♦	♦			
10	270°	♦	♦	♦	♦	♦			
11	300°	♦	♦	♦	♦	♦			
12	330°	♦	♦	♦	♦	♦			

♦ = Non-stock values subject to minimum handling charge per item

* Insert number of taps at asterisk for complete part number (e.g. 111-3-T2)