



Series 644-2100

Front Panel Mount, Dual or Quad Lamp/LED
Pushbutton Switch
with Split Legend and Hidden Legend Lenses



- * Momentary, Momentary Snap Feel, or Alternate Action switching actions
- * SPST - DPDT switch circuitry
- * Easy lamp replacement from front (for Based Lamps or LED's)
- * Up to four T-1 sub-midget flange-based lamps or LED's, or multiple SMT LEDs on PCB, enhanced by hidden legend lens caps
- * Environmentally sealed models available (specify modification code "W")
- * Industry standard 0.698" square mtg. hole
- * < 3.0" behind panel depth
- * Matching annunciator (p/n 644-3210)



Electro-Mech has introduced its Series 644-2100 compact quad lamp / LED pushbutton switch assembly. It mounts in a 0.698 square mounting hole and accomodates up to four T-1 sub midget flange based lamps or LED's for maximum brightness or lamp redundancy. With circuitry up to 2PDT, this switch offers maximum display versatility in a compact package.

electro-mech

www.electromechcomp.com



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Specifications:

Ratings:	30 volts DC or 125 volts AC; 2.0A resistive, 0.5A inductive
Weight:	0.8 oz. (23 g) (approx.)
Operating Pressure:	2 lbs. ± 1 lb. (908g ± 454g)
Plunger Travel:	0.187 nominal (4.7mm)
Actuations:	100,000 minimum
Contacts:	Silver plated (gold plating optional)
Terminals:	Standard EMC solder lug. Accepts two 20 AWG wires. PC pin terminals also available.
Lens:	Accommodates a 0.645" (16.4mm) square lens.
Lamp or LED:	Accommodates four T-1 (3mm) sub-midget flange base lamp or LED. Lamp circuit is independent.
Mounting Hole:	0.698 SQ., +0.010 / -0.000

Front Panel Mounting

The switch mounts to the front panel using a mounting case that slides on from behind the panel and attaches to the switch case with a locking arm behind the panel. The locking arm is tightened with a screw located beneath the pushbutton lens which is removeable from the front panel. Lamp replacement also possible from the front panel.

HOW TO ORDER: All configurations in this product Series 644-2100 require a custom part number assigned by Electro-Mech due to many switch, lens, display, filters, and legend configuration options. Please call (626) 442-7180 for a custom part number (e.g. SW44xxx-xxx).

Part Number Table:

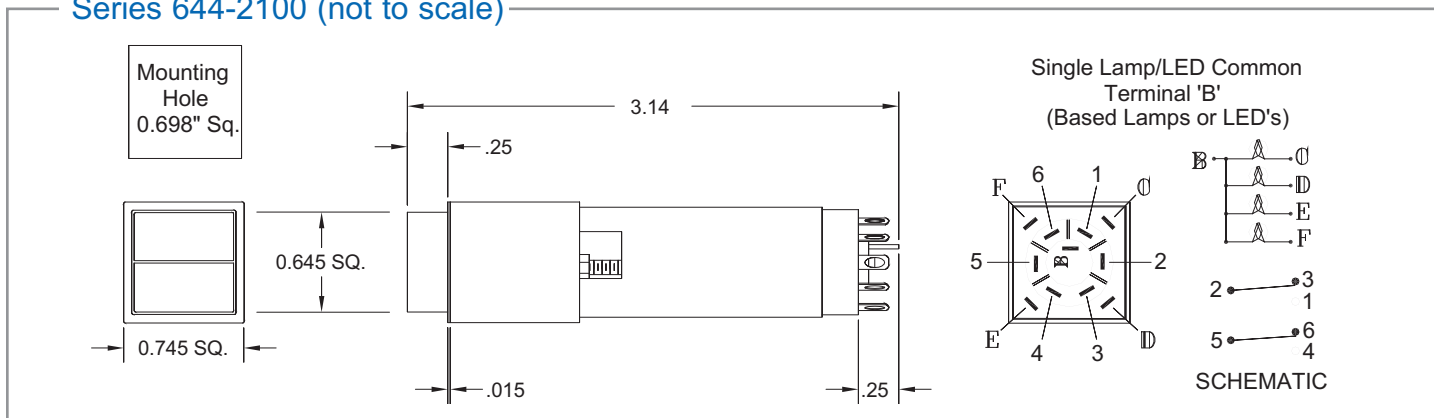
644-xxxx	SPST					2PST		Notes:
	1N.O.	1N.C.	2N.O.	2N.C.	1N.C.	1PDT	2PDT	
Action	2128	2129	2130	2131	2132	2149	2150	
Momentary	2428	2429	2430	2431	2432	2449	2450	Artificial click in momentary travel.
Snap Feel Mom.	2228	2229	2230	2231	2232	2249	2250	
Push-On/Push-Off	2328	2329	2330	2331	2332	2349	2350	Button is physically depressed in down position.
Push-On/Remain-In/ Push-Off								See schematic below for terminal location.
Terminals Used:	1-2	2-3	1-2, 4-5	2-3, 5-6	1-2, 5-6	1-2-3	1-2-3, 4-5-6	

For non-illuminated version, specify the digit "1" in the first position (e.g. 1150).

For indicator/annunciator only, specify part number 644-3210.

For LED installation, verify LED polarity: if V+ connected to terminal B (common), cathode LED's should be specified.

Series 644-2100 (not to scale)



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