Ordering Table — Standard Rocker & Paddle Switches

HOW TO ORDER YOUR DESIGN (**Bold** Face Type indicates items normally in Distributor Stock)

Following the table from left to right, the designer is able to specify the options wanted. The options are described and illustrated on pages 24-31. Refer to page 57 for mounting hardware.

To determine a part number select the options desired and fill in the boxes in the selection guides illustrated below.

Rocker Switch Selection Guide

Rocker Switch Series + Poles and Throw + Circuit + Actuator + Terminal Type + Contact Material + Actuator Color + Bezels + Other

Series	Poles and Throw		Circuits ⓫				Actuator Options		Terminal Options ⑥		Contact Material		Actuator Color		Bezels		Other Option
	No.	Code	Description			Code	Type	Code	Type	Code	Type	Code	Color	Code	Type	Code	Type
B	SPDT	1			POS. "C"		Rocker ⑦ (Screw Mount)	J1	Right Angle PC ⑩	A	gold/brass	B	Dark Gray ④	0	Bright Chrome ③	1M	Epoxy Sealed ⑥ Terminals
	DPDT	2	ON	OFF	ON	21	Paddle ⑦ (Screw Mount)	J2	Vertical PC .100 Spacing	AV1	gold/silver	G	White	1	Black ③	2M	
	3PDT	3	ON	NONE	ON	23	Rocker ⑦ (Screw Mount)	J3	Vertical PC .150 Spacing	AV2	coin silver	Q	Black	2	Satin Chrome ③	3M	
	4PDT	4	ON	NONE	ON*	26	Paddle ⑦ (Screw Mount)	J5			⑫	K	Red	3	White ②	1P	
			ON*	OFF	ON*	27	Snap-In Mount ⑦ Rocker With Bezel	J11	PC Terminals	C	⑫	L	Green ④	5	Black ②	2P	
			ON	OFF	ON*	31			PC & Support ①	V3	⑫	M	Blue ④	6	Red ②	3P	
			ON	ON	ON	32	Snap-In Mount ⑦ Paddle With Bezel	J21	PC & Support ①	V4			Light Gray ④	8	Black w/LED ②	4P	
			ON	ON	ON*	33	Large ⑦ Snap-In Mount Rocker With Bezel	J37	Vertical PC .150 Spacing	V5			Yellow ④	9	Green ②④	5P	
			NONE	ON	ON*	34 ⑤	Large ⑦ Snap-In Mount Paddle With Bezel	J47	PC & Support ①	V6			Brown ④	10	Blue ②④	6P	
			ON*	ON	ON*	35			PC & Support ①	V7					Light Gray ②④	8P	
			NONE	ON	ON	53 ⑤	Snap-In Rocker ①⑦	J50	.750 Wire Wrap	W					Yellow ②④	9P	
							Snap-In Rocker ①⑦	J53	.964 Wire Wrap	W1					Dark Gray ②④	0P	
							Snap-In Paddle ①⑦	J60	.425 Wire Wrap	W3							
							Snap-In Paddle ①⑦	J63	1.062 Wire Wrap	W4							
							Rocker Actuator ⑨	J71	Solder Lugs	Z							
							Paddle Actuator ⑨	J72									
							Rocker Actuator ⑨	J73	Quick Connect	Z3							
							Paddle Actuator ⑨	J75									
							Rocker Actuator ⑨	J76									
							Paddle Actuator ⑨	J77									

*Momentary Contact
① 1 and 2 pole only.
② For J50 and J60 only.
③ For J11, J21, J37 and J47 only.
④ Consult plant for availability.
⑤ These circuits are **NOT** available with the following 3 and 4 pole options: A, AV1, AV2, V3, V4, V5, V6 and V7.
⑥ Epoxy seal standard on all terminal options.
⑦ Available with C, Z, Z3 or W-W4 terminations.
⑧ Available with AV1, AV2, V3-V7 terminations.
⑨ Available with A, AV1, AV2 or V3-V7 terminations.
⑩ 1, 2 and 3 pole only.
⑪ See page 58 for construction detail, wiring and electrical diagrams.
⑫ Same as B, G and Q respectively except terminals brass with tin nickel alloy over nickel plate. Consult plant for availability.

EXAMPLES:

B121J71AQ2 = SPDT rocker switch with an ON-OFF-ON circuit, J71 style rocker (black), right angle P.C. terminals with coin silver contacts and epoxy sealed terminals.

B223J50ZQ22P = DPDT rocker switch with an ON-NONE-ON circuit, J50 style rocker (black), solder lug terminals with coin silver contacts, black snap in bezel and epoxy sealed terminals.

Standard Rocker & Paddle Switches — Specifications and Materials

SPECIFICATIONS

Contact Rating — Letter codes G and Q — 6 amp at 125 VAC, 3 amp @ 250 VAC, (U.L. recognized, CSA certified) or 6 amp at 28 VDC resistive.
Letter codes B and G — 0.5. volt-amp (VA) maximum @ 28 V maximum (AC or DC).

Life Under Load — 60,000 make-and-break cycles — resistive load only.

Initial Contact Resistance — 10 milliohms maximum. 3 VDC, 100 ma for both silver and gold plated contacts.

Insulation Resistance — 1 & 2 pole — 1,000 megohms minimum.
3 & 4 pole — 1,000 megohms minimum.

Dielectric Strength — 1,000 volts rms at sea level.

Operating Temperature — 30° to +85°C

MATERIALS

Base (body) — 1- and 2-pole —Diallyl Phthalate. (DAP).
3- and 4-pole — high strength phenolic.

Rocker/Paddle — Molded nylon.

Bushing — Brass, nickel plated.

Clamp (frame) — Stainless steel.

Support Bracket — Steel, tin plated.

Metal Bezel — Spring steel.

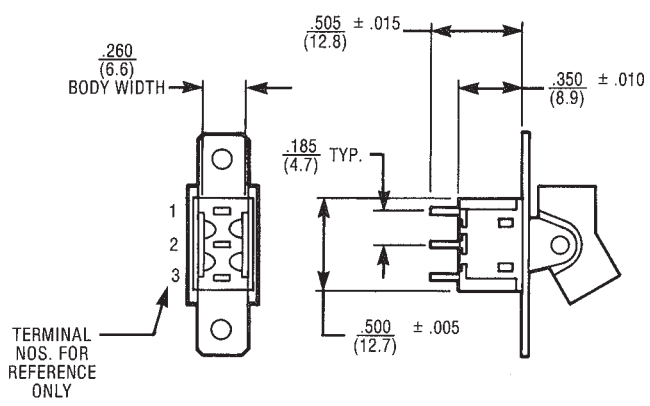
Plastic Bezel — Molded nylon.

Switching Contacts and Rockers —
Letter Code B — gold/nickel/brass
Letter Code G — gold/nickel/silver
Letter Code Q — Coin silver

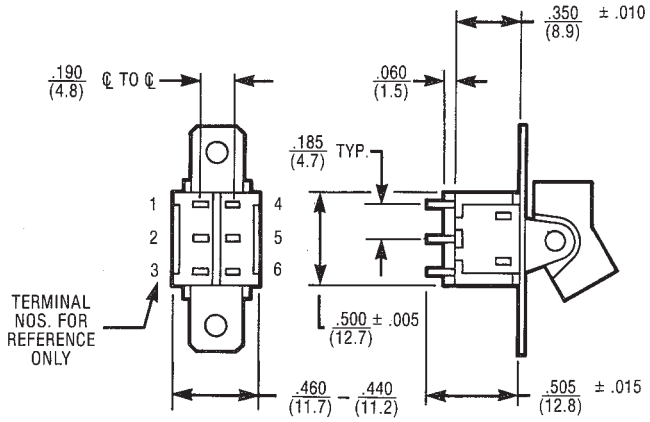
Center Terminal
Letter Codes B, G — Gold flash/nickel/brass
Letter Code Q — Silver plated brass.

Hardware — See page 57.

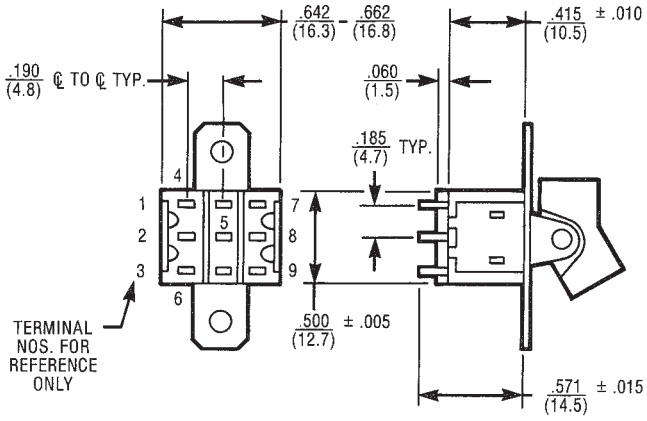
APPROXIMATE BASE DIMENSIONS



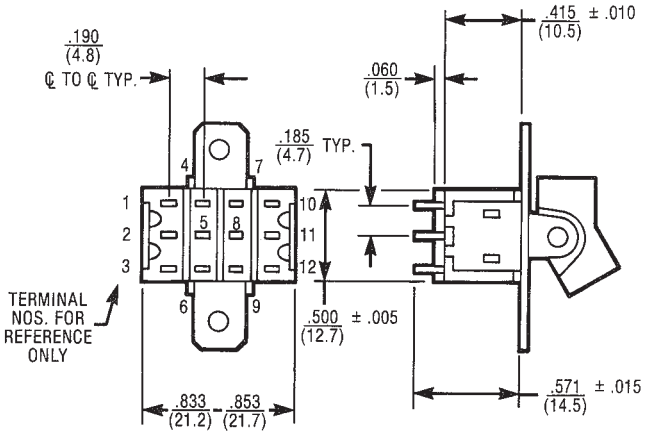
ONE POLE



TWO POLE



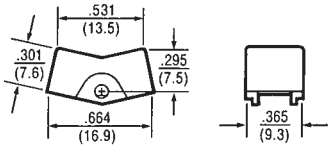
THREE POLE



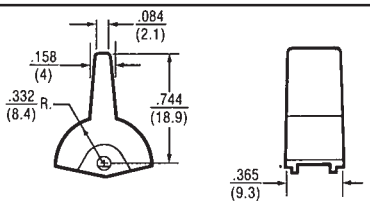
FOUR POLE

Rocker Actuator Options For P.C. Mounting

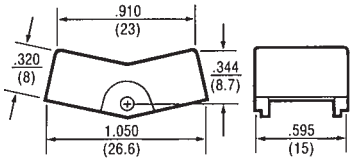
J71



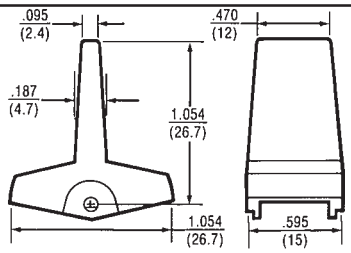
J72



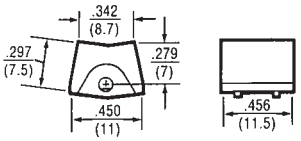
J73



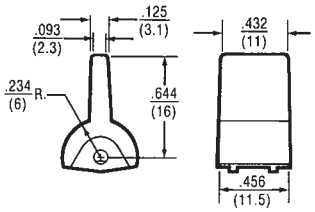
J75



J76

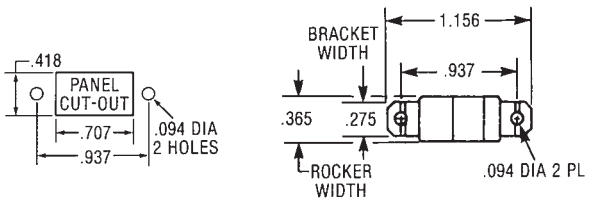


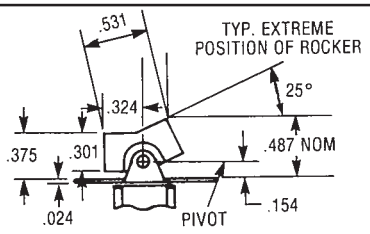
J77



ACTUATOR/MOUNTING OPTIONS

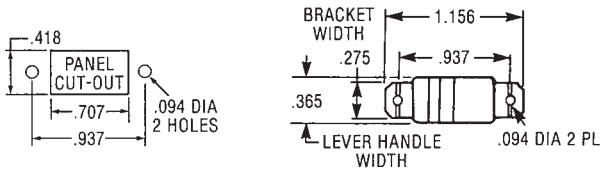
J1 Screw Mount Rocker

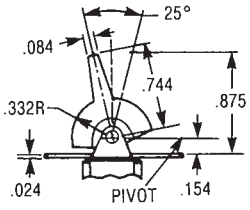




Refer to Page 57 for Mounting Hardware

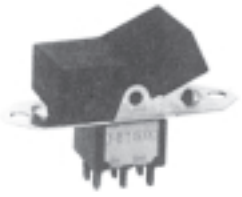
J2 Screw Mount Paddle Rocker

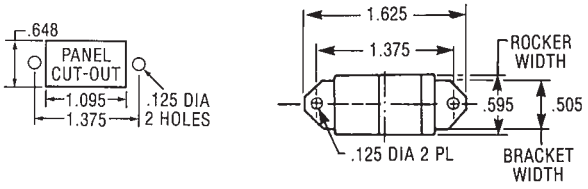


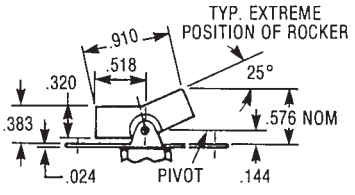


Refer to Page 57 for Mounting Hardware

J3 Screw Mount Large Rocker

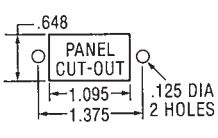


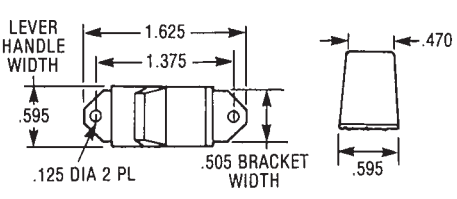


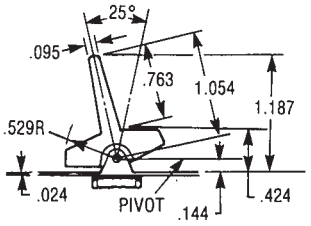


Refer to Page 57 for Mounting Information

J5 Screw Mount Large Tappered Paddle Rocker

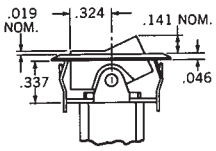




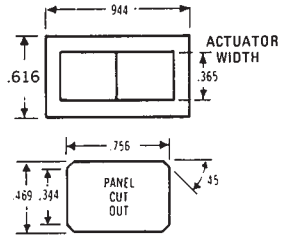


Refer to Page 57 for Mounting Hardware

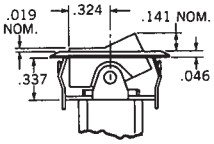
J11 Rocker with Snap-In Bezel ❶



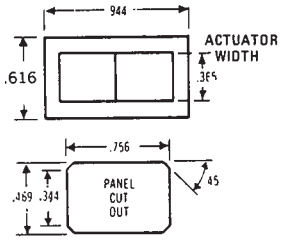
One Pole



PANEL THICKNESS
.062 to .125

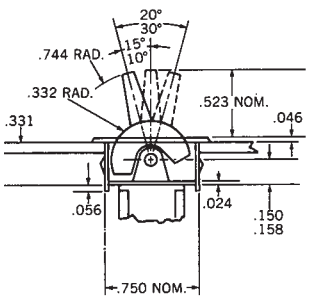


Two Pole

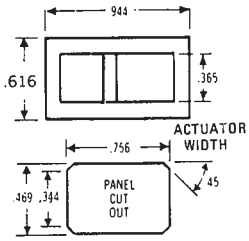


PANEL THICKNESS
.062 to .125

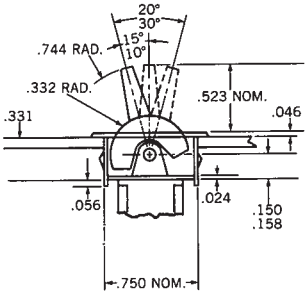
J21 Paddle with Snap-In Bezel ❶



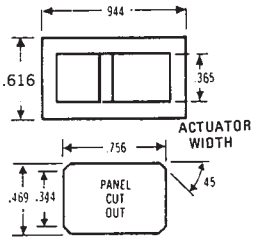
One Pole



PANEL THICKNESS
.062 to .125

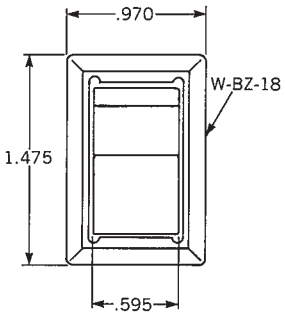


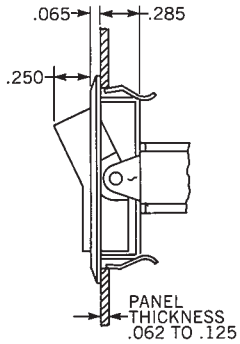
Two Pole

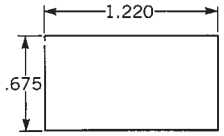


PANEL THICKNESS
.062 to .125

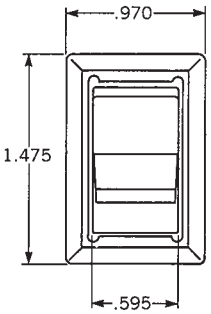
J37 Rocker Actuator/Mounting Option

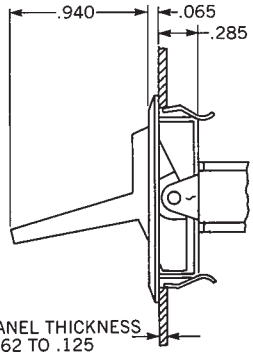


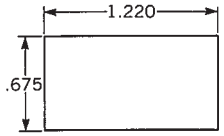




J47 Paddle Actuator/Mounting Option



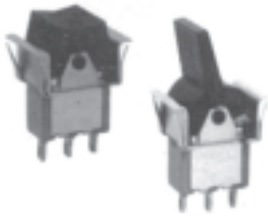


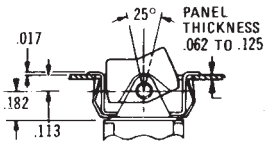


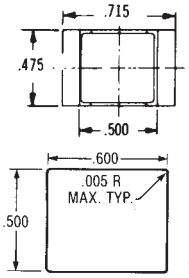
❶ Three and four pole switches require assembly from back of panel.

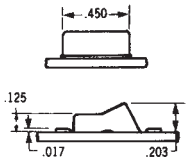
Actuator and Mounting Options

J50 = Snap in Mounting w/Low Profile Rocker ❶
J60 = Snap in Mounting w/Low Profile Paddle

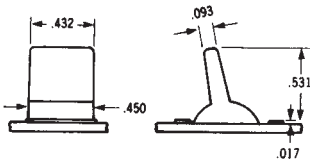






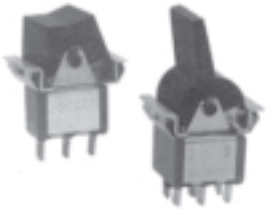


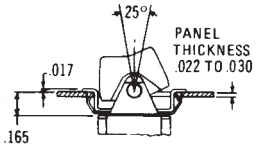
J50 Rocker Style

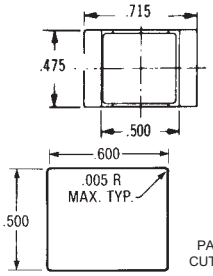


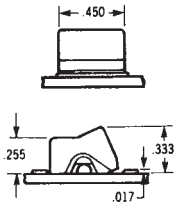
J60 Paddle Style

J53 = Snap in Mounting w/High Profile Rocker ❶
J63 = Snap in Mounting w/High Profile Paddle

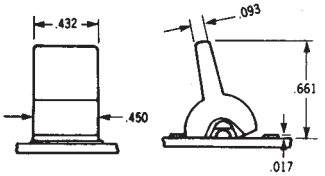








J53 Rocker Style

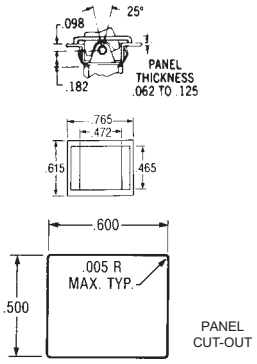


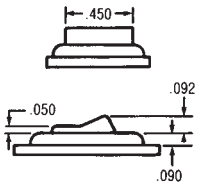
J63 Paddle Style

OPTIONAL BEZELS (For use with J50/J60 Series only)

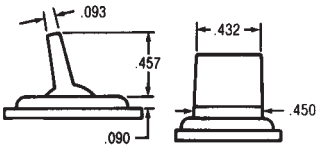
Bezel Assembled with J50/J60 Series

Color	Code	Part No.
White	1P	W-BZ-12A
Black	2P	W-BZ-12
Red	3P	W-BZ-12B





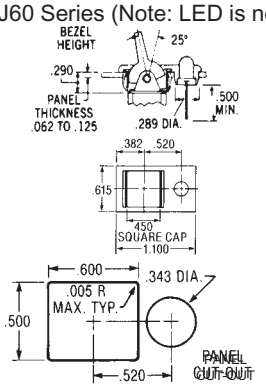
J50 Rocker Style w/Bezel

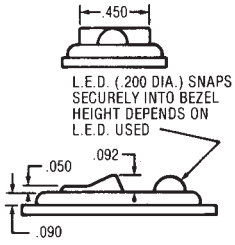


J60 Paddle Style w/Bezel

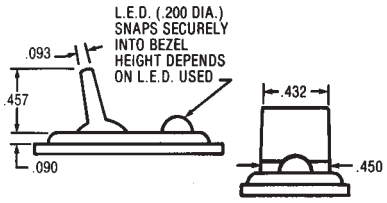
Bezel for L.E.D. Assembled with J50/J60 Series (Note: LED is not supplied)

Color	Code	Part No.
Black	4P	W-BZ-15





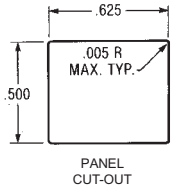
J50 Rocker Style w/Bezel for L.E.D.



J60 Paddle Style w/Bezel for L.E.D.

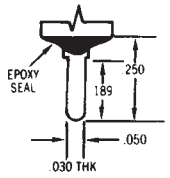
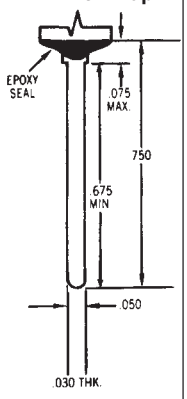
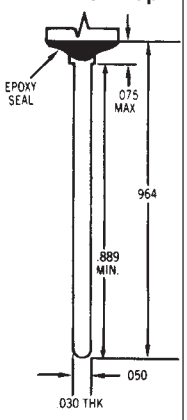
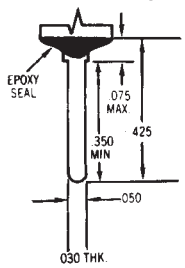
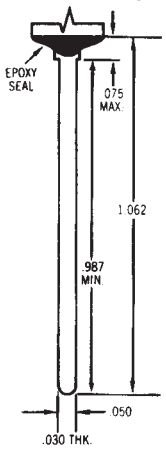
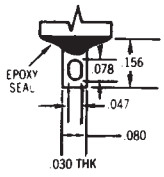
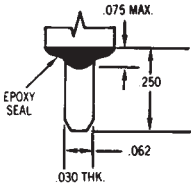
OPTIONAL MOUNTING CLIP (For use with J50/J60 Series only)

Clip Assembled with J50/J60 Series



- For thick plastic panel mount applications (.094" - .125" thick)
- Consult factory for availability

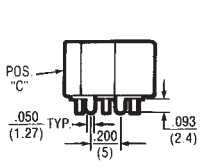
❶ All rocker switches on this page are snap-in from the front of the panel. No behind panel assembly hardware is needed.

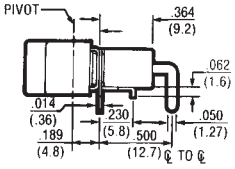
C Printed Circuit	W Wire-Wrap	W1 Wire-Wrap	W3 Wire-Wrap	W4 Wire-Wrap	Z Standard	Z3 Quick Connect
						 Mating Receptacle from AMP SPECIAL IND., P.O. Box 984, Paoli, Pa. 19301 Amp P/N single piece 61454 series, strip from 60900

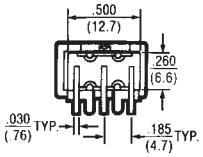
NOTE: Wire-Wrap is a registered trademark of the Gardner-Denver Company.

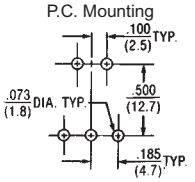
TERMINATION/MOUNTING OPTIONS

A



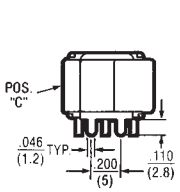


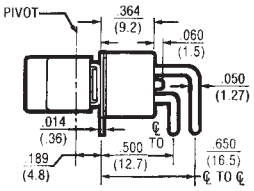


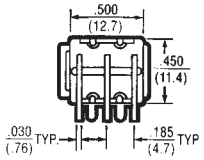


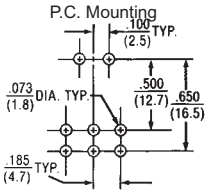
ONE POLE **EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

A



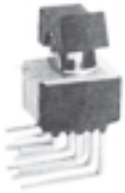


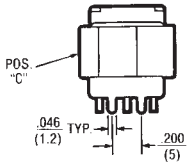


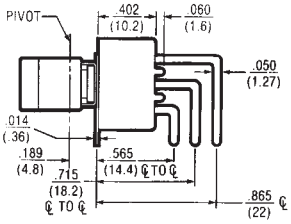


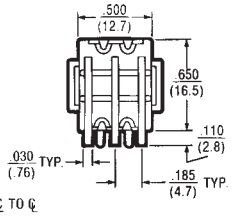
TWO POLE **EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

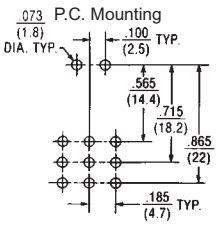
A





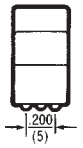


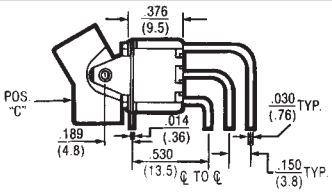


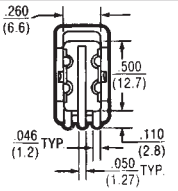


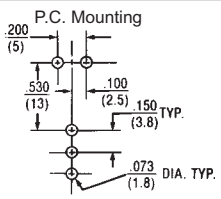
THREE POLE **EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

V5 ❶



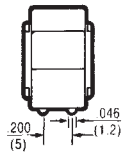


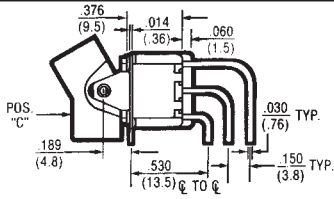


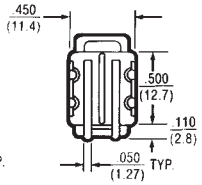


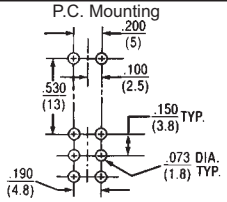
ONE POLE **EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

V5 ❶







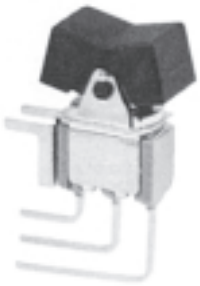


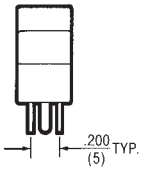
TWO POLE **EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

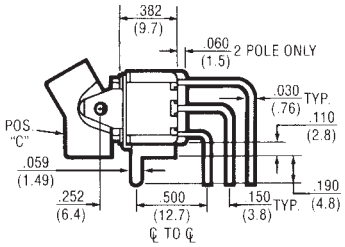
❶ The V5 option is available in Three and Four Pole Circuits.

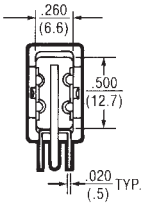
Termination/Mounting Options

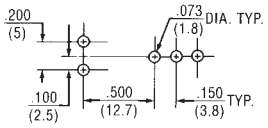
AV1 w/.100" Terminal Spacing
AV2 w/.150" Terminal Spacing (Pictured Below)







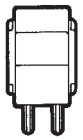


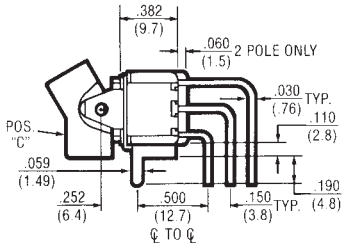


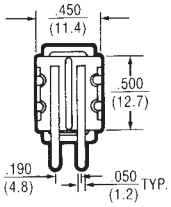
1 Pole P.C. Mounting

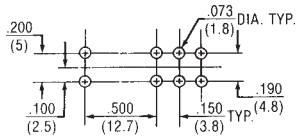
ONE POLE **EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

AV1 w/.100" Terminal Spacing
AV2 w/.150" Terminal Spacing (Pictured Below)





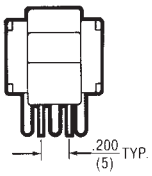


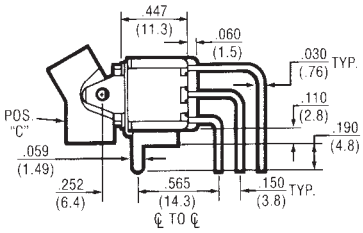


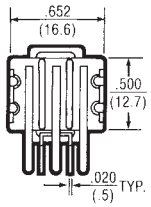
2 Pole P.C. Mounting

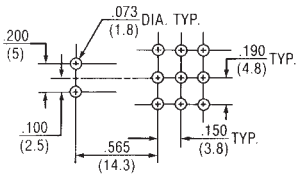
TWO POLE **EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

AV1 w/.100" Terminal Spacing
AV2 w/.150" Terminal Spacing (Pictured Below)





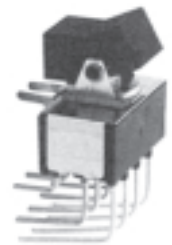


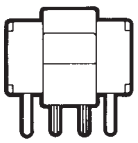


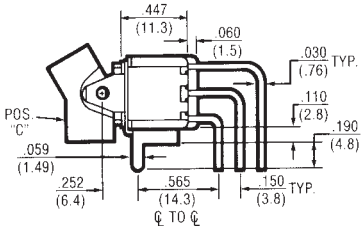
3 Pole P.C. Mounting

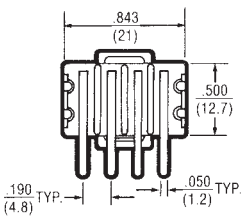
THREE POLE **EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

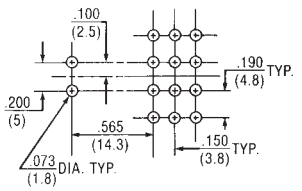
AV1 w/.100" Terminal Spacing
AV2 w/.150" Terminal Spacing (Pictured Below)







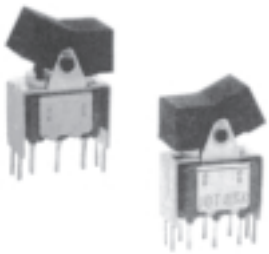


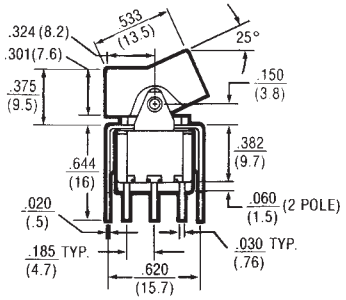


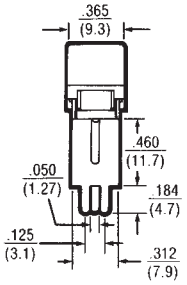
4 Pole P.C. Mounting

FOUR POLE **EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

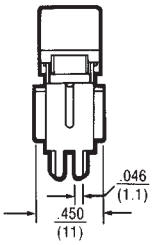
V3



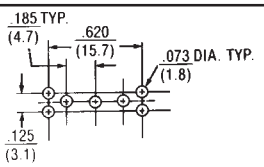




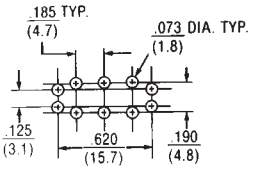
1 Pole



2 Pole



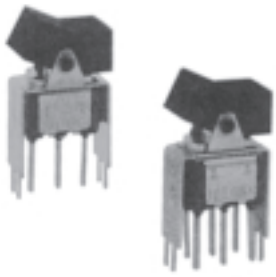
1 Pole P.C. Mounting

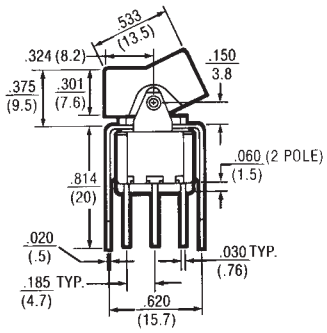


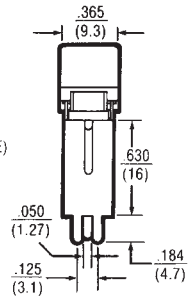
2 Pole P.C. Mounting

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

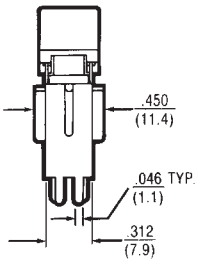
V4



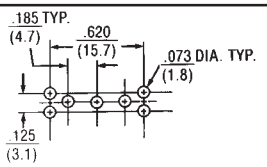




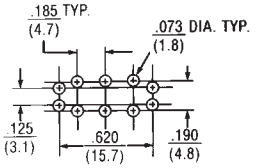
1 Pole



2 Pole



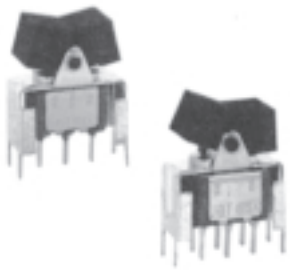
1 Pole P.C. Mounting

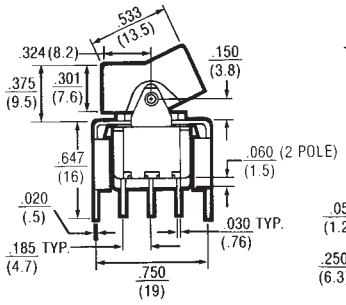


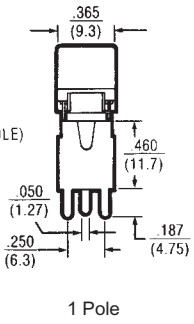
2 Pole P.C. Mounting

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

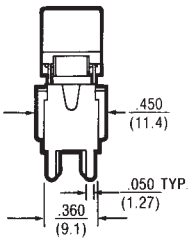
V6



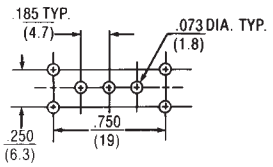




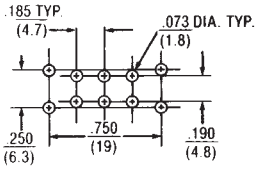
1 Pole



2 Pole



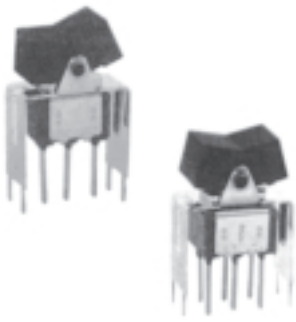
1 Pole P.C. Mounting

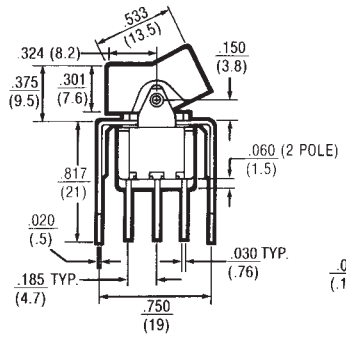


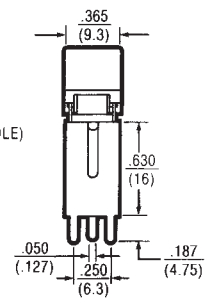
2 Pole P.C. Mounting

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

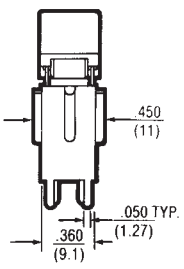
V7



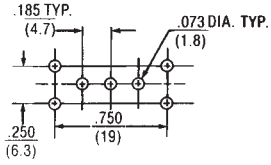




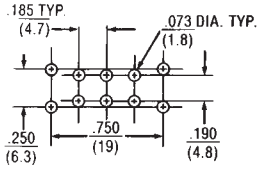
1 Pole



2 Pole



1 Pole P.C. Mounting



2 Pole P.C. Mounting

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS