

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 ¹¹	Actuator Options	Terminal Options ⁶	Contact Material	Actuator Color	Bezels	Other Option
No.	Code	Description	Type	Type	Type	Color	Type	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 ⁸ 1M	Epoxy Sealed Terminals ⁶
	DPDT 2	ON OFF ON 21	Paddle ⁷ (Screw Mount) J2	Vertical PC .100 Spacing AV1	gold/silver G	White 1	Black ⁸ 2M	
	3PDT 3	ON NONE ON 23	Rocker ⁷ (Screw Mount) J3	Vertical PC .150 Spacing AV2	coin silver Q	Black 2	Satin Chrome ⁸ 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 Rocker With Bezel J11	PC Terminals C	¹² L	Green ⁴ 5	Black ² 2P	
		ON OFF ON* 31	Snap-In Mount Paddle With Bezel J21	PC & Support ¹ V3	¹² M	Blue ⁴ 6	Red ² 3P	
		ON ON ON 32	Large ⁷ Snap-In Mount Rocker With Bezel J37	Vertical PC .150 Spacing V5		Light Gray ⁴ 8	Black w/LED ² 4P	
		ON ON ON* 33	Large ⁷ Snap-In Mount Paddle With Bezel J47	PC & Support ¹ V6		Yellow ⁴ 9	Green ² ⁴ 5P	
		NONE ON ON* 34 ⁵	Snap-In Rocker ¹ ⁷ J50	PC & Support ¹ V7		Brown ⁴ 10	Blue ² ⁴ 6P	
		ON* ON ON* 35	Snap-In Paddle ¹ ⁷ J60	.750 Wire Wrap W			Light Gray ² ⁴ 8P	
		NONE ON ON 53 ⁵	Snap-In Paddle ¹ ⁷ J63	.964 Wire Wrap W1			Yellow ² ⁴ 9P	
			Snap-In Paddle ¹ ⁷ J71	.425 Wire Wrap W3			Dark Gray ² ⁴ 0P	
			Snap-In Paddle ¹ ⁷ J72	1.062 Wire Wrap W4				
			Rocker Actuator ⁹ J73					
			Paddle Actuator ⁹ J75	Solder Lugs Z				
			Rocker Actuator ⁹ J76	Quick Connect Z3				
			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

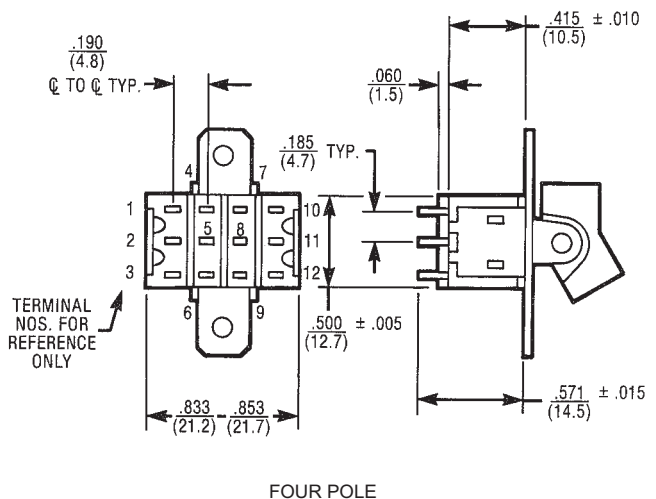
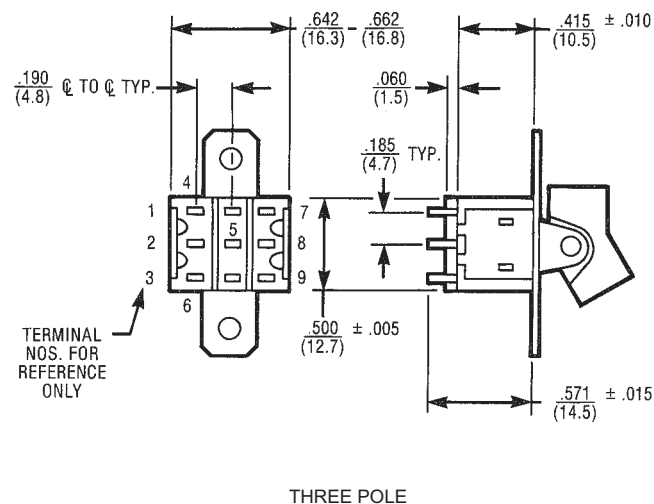
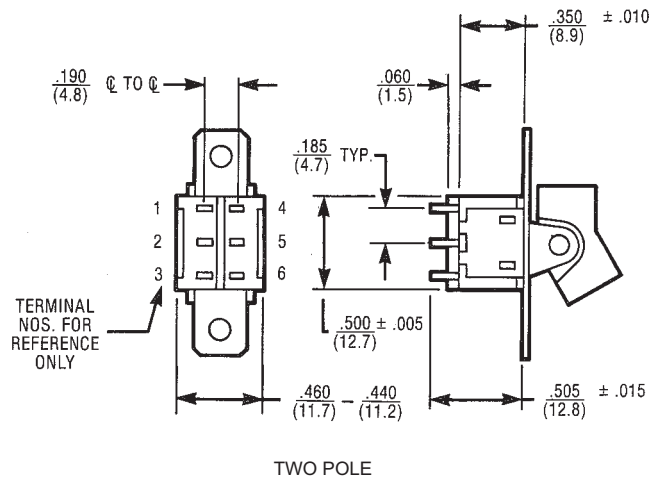
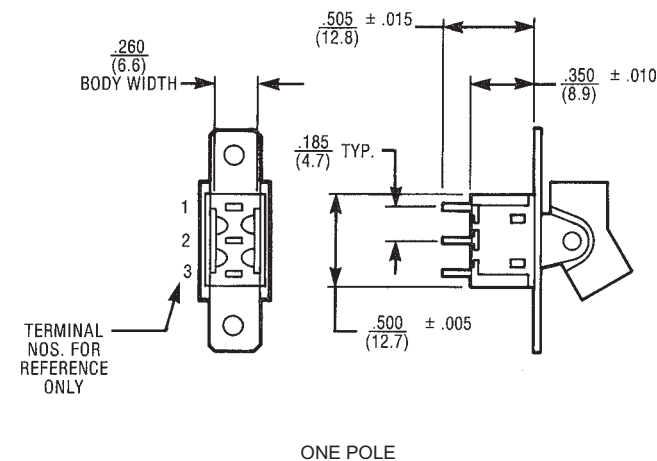
Center Terminal

Letter Codes B, G — Gold flash/nickel/brass

Letter Code Q — Silver plated brass.

Hardware — See page 57.

APPROXIMATE BASE DIMENSIONS



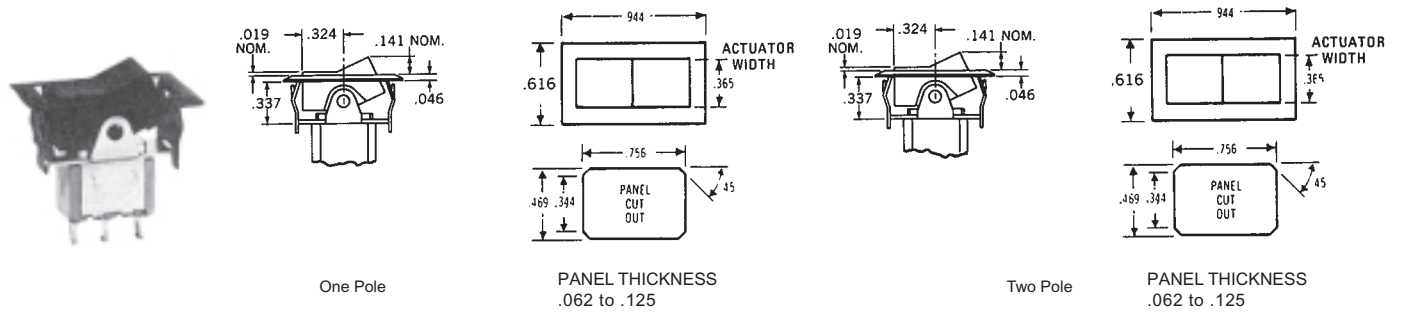
Rocker Actuator Options For P.C. Mounting

J71	J72
J73	J75
J76	J77

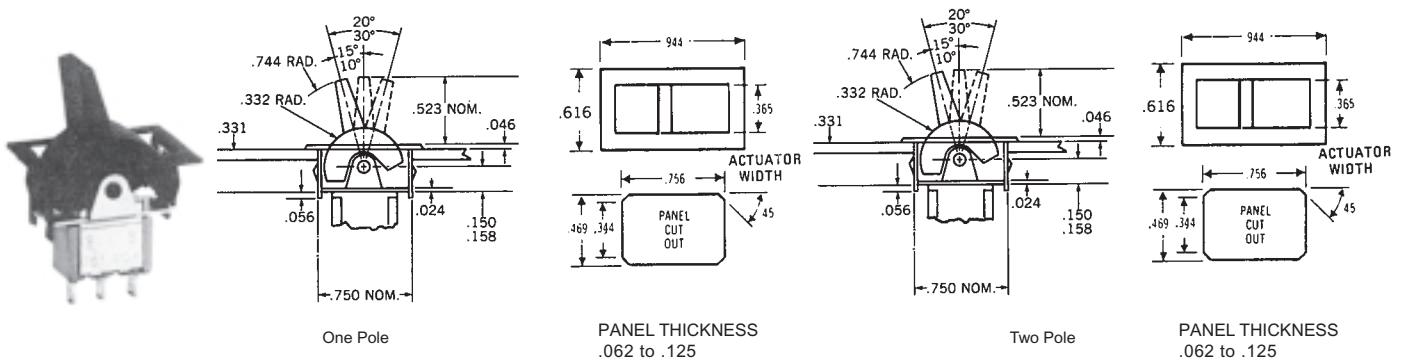
ACTUATOR/MOUNTING OPTIONS

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 Tapered Paddle Rocker Refer to Page 57 for Mounting Hardware	

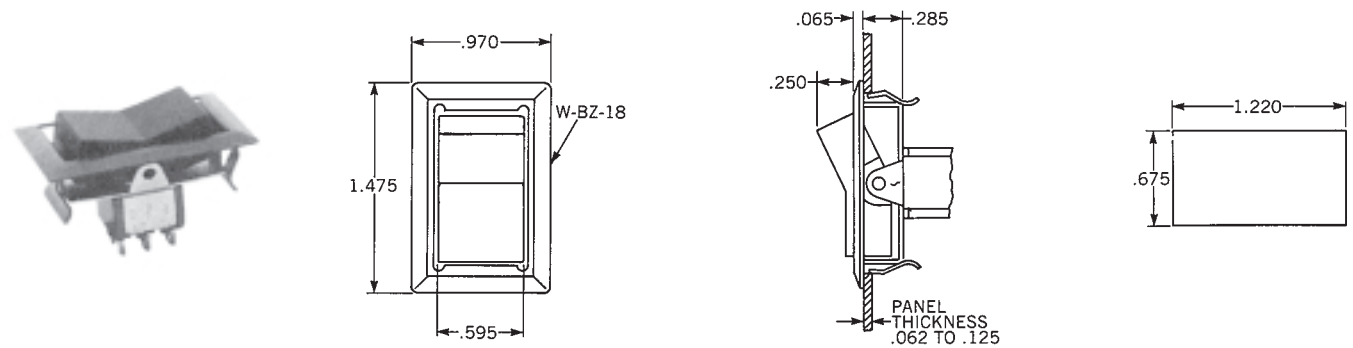
J11 Rocker with Snap-In Bezel ❶



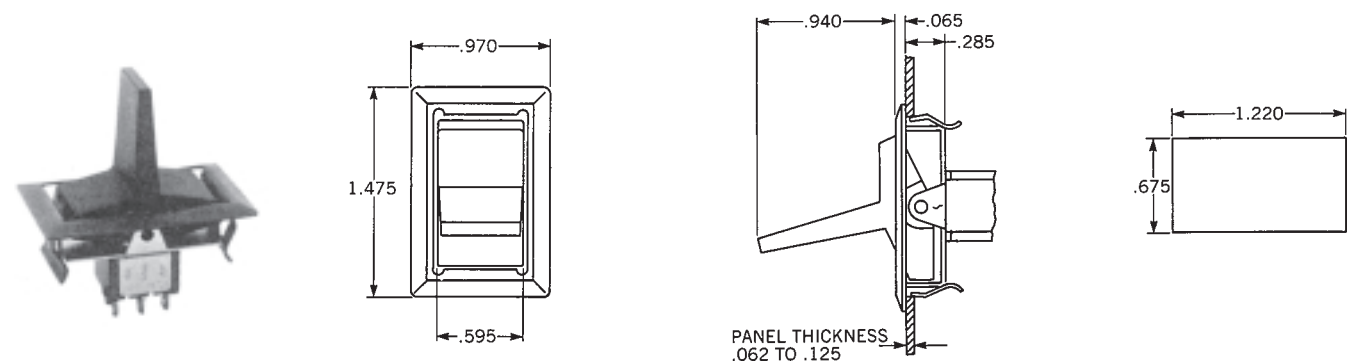
J21 Paddle with Snap-In Bezel ❶



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 ①
J60 = Snap in Mounting w/Low Profile Paddle

J50 Rocker Style **J60** Paddle Style

J53 = Snap in Mounting w/High Profile Rocker ①
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

J50 Rocker Style w/Bezel **J60** Paddle Style w/Bezel

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

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

J50 Rocker Style w/Bezel for L.E.D. **J60** Paddle Style w/Bezel for L.E.D.

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

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

Clip Assembled with J50/J60 Series

PANEL CUT-OUT

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

① 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
NOTE: Wire-Wrap is a registered trademark of the Gardner-Denver Company.						

Mating Receptacle from
AMP SPECIAL IND., P.O.
Box 984, Paoli, Pa. 19301
Amp P/N single piece 61454
series, strip from 60900

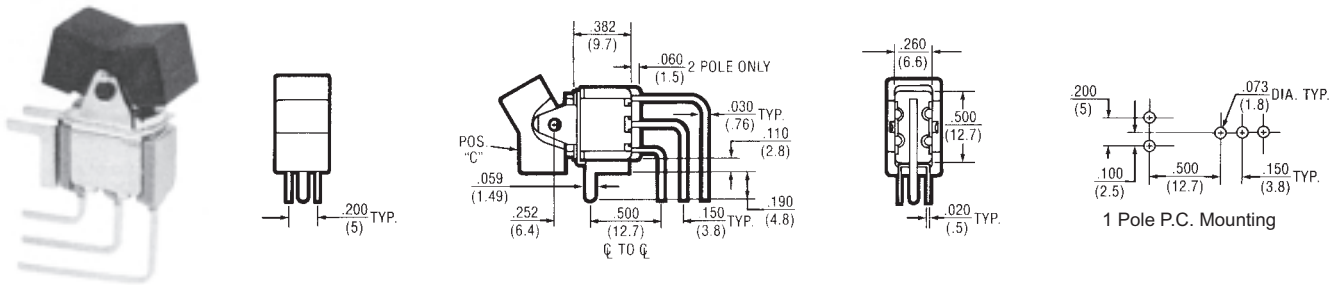
TERMINATION/MOUNTING OPTIONS

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	ONE POLE	EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS
V5	TWO POLE	EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

① The V5 option is available in Three and Four Pole Circuits.

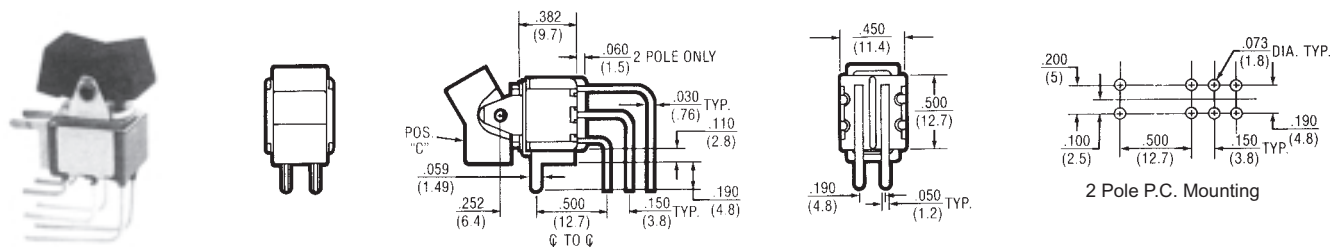
Termination/Mounting Options

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



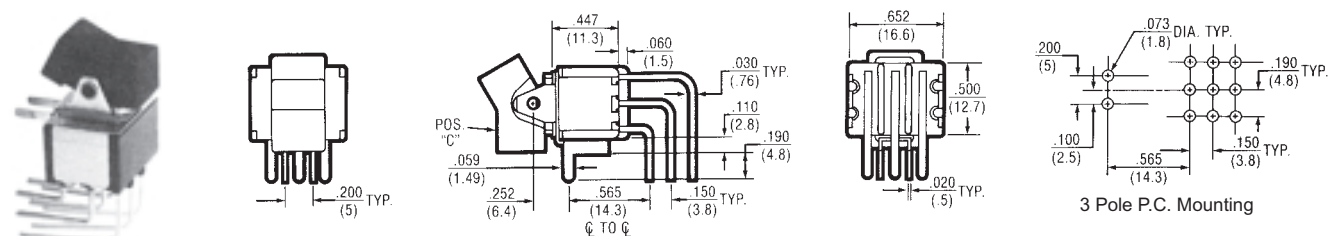
EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

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



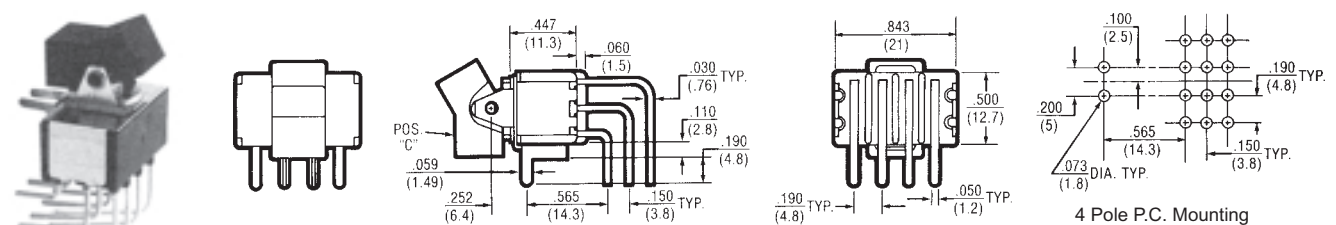
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AV1 w/.100" Terminal Spacing
AV2 w/.150" Terminal Spacing (Pictured Below)



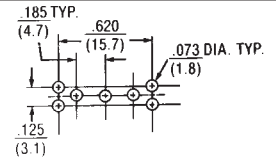
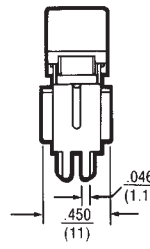
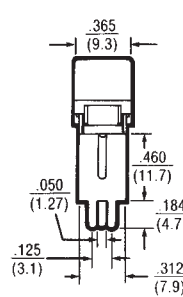
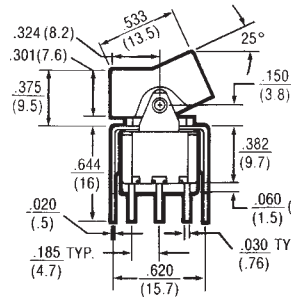
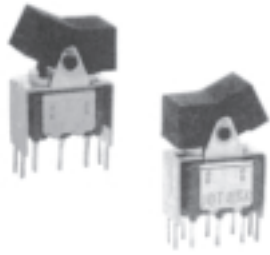
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AV1 w/.100" Terminal Spacing
AV2 w/.150" Terminal Spacing (Pictured Below)

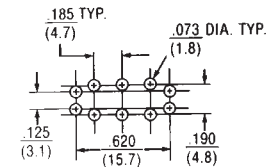


EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

V3



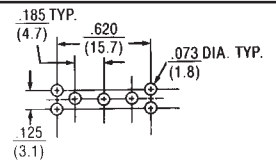
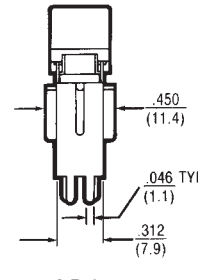
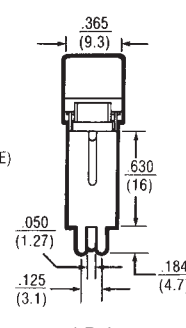
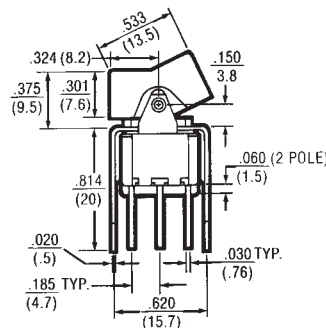
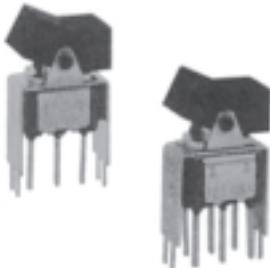
1 Pole P.C. Mounting



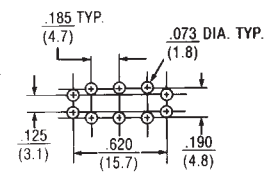
2 Pole P.C. Mounting

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

V4



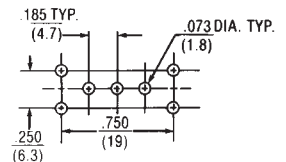
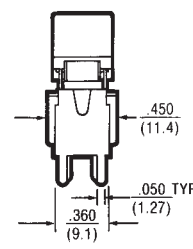
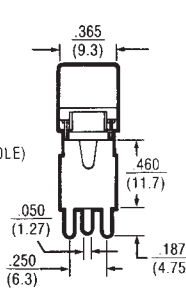
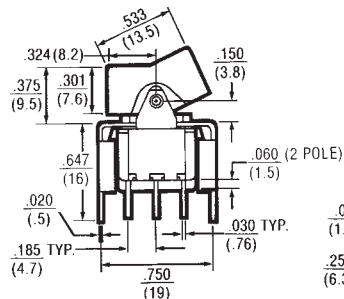
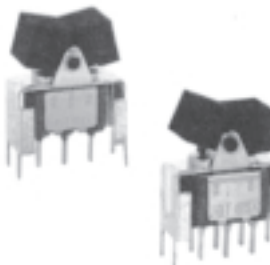
1 Pole P.C. Mounting



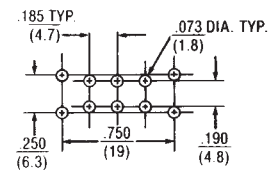
2 Pole P.C. Mounting

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

V6



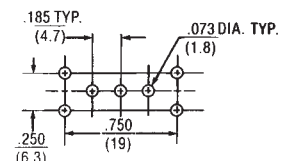
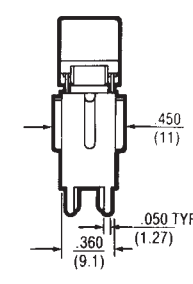
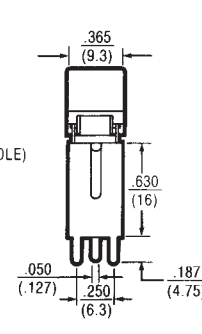
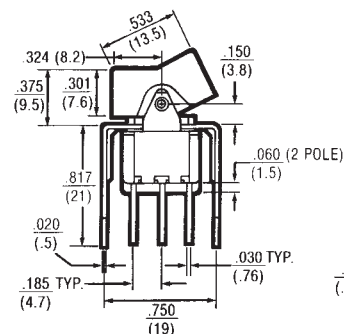
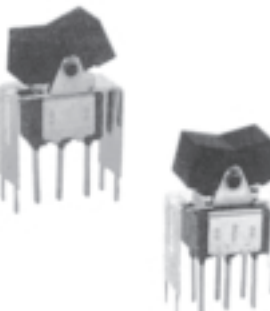
1 Pole P.C. Mounting



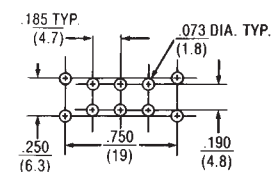
2 Pole P.C. Mounting

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

V7



1 Pole P.C. Mounting



2 Pole P.C. Mounting

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