



Rocker Type



Paddle Type



90-0003



0140-4000



0121-0044
1111-0009

20 AMP ROCKER AND PADDLE SWITCHES

Single pole and double pole rocker and paddle switches with distinctive styling and an extra margin of reliability with electrical capacity of 20 amps. Composite contacts of silver cadmium oxide and special copper alloy. Cadmium plated steel coverplates. Impact-resistant case. White plastic rocker or paddle. Spade terminals. Offset coverplates .375", 1.625" centered, 2-hole mounting. **NOTE:** Also available with stainless steel snap-in bezel. To order, change 5th digit of the catalog number from 0 to 1. Example: 0801-1310. **Rated:** 20 amp, 277 VAC, 1 1/2 hp, 125-250 VAC. Also available in 25 amp, 125-250 VAC non-inductive or 10 amp "L" 125 VAC versions. UL Recognized, CSA Approved. Size: 1 29/32" W x 5 1/4" H, overall.

ROCKER SWITCHES

Mfr. No.	Single Poles	Circuit Arrangement			Mfr. No.	Double Poles
		A	B	C		
0801-0310	SPST	On	.....	Off	0811-0310	DPST
0801-0311	SPDT	On	Off	On	0811-0311	DPDT
0801-0312	SPDT	On	.....	On	0811-0312	DPDT
0801-0313	SPST	On*	.....	Off	0811-0313	DPST
0801-0314	SPDT	On*	Off	On*	0811-0314	DPDT
0801-0316	SPDT	On*	Off	On	0811-0316	DPDT
0801-0317	SPST	On	.....	Off*	0811-0317	DPST
0801-0318	SPDT	On*	.....	On	0811-0318	DPDT

PADDLE SWITCHES

Switch numbers listed above are for rocker switches. To order paddle switches, change the 5th digit from 0 to 2. Example: 0801-2310.

20 AMP SINGLE-POLE TOGGLE SWITCHES

Single-pole, 20 amp toggle switches meet a wide variety of application requirements. Composite contacts of silver cadmium oxide on special copper alloy. Features reliable detent-action mechanism. Impact-resistant case protects switch from dirt, dust and moisture. Nickel-plated, die-cast zinc cover plate. Choice of spade, screw or solder terminals. **Rated:** 20 amps at 125 VAC; 10 amps at 250 VAC; 20 amps at 250 VAC noninductive; 1 hp at 125-250 VAC. UL Listed, CSA Approved. Size: 1 11/64" W x 5/8" D x 2 7/64" H, overall.

WITH SCREW TERMINALS

Mfr. No.	Circuit Arrangement			Poles
	A	B	C	
Screw Terminals				
90-0001	On	.....	Off	SPST
91-0001	On	Off	On	SPDT
92-0001	On	.....	On	SPDT
93-0001	On*	Off	On*	SPDT
93-1001	On	Off	On*	SPDT
93-2001	Off*	.....	On	SPST
93-3001	On*	.....	Off	SPST
93-4001	On	.....	On*	SPDT

WITH SOLDER OR SPADE TERMINALS

Mfr. No.		Circuit Arrangement			Poles
Solder Terminals	Spade Terminals	A	B	C	
90-0002	90-0003	On	.....	Off	SPST
91-0002	91-0003	On	Off	On	SPDT
92-0002	92-0003	On	.....	On	SPDT
93-0002	93-0003	On*	Off	On*	SPDT
93-1002	93-1003	On	Off	On*	SPDT
93-2002	93-2003	Off*	.....	On	SPST
93-3002	93-3003	On*	.....	Off	SPST
93-4002	93-4003	On	.....	On*	SPDT

*Momentary.

6 AMP DOUBLE-POLE TOGGLE SWITCHES

Double-pole toggle switches have silver copper contacts, general-purpose molded phenolic housings. Screw, solder or spade terminals. **Rated:** 6 amp at 125 VAC; 3 amp at 250 VAC; 1/4 hp at 125-250 VAC. **Size:** 1 15/64" W x 5 1/64" D x 2 7/32" H, overall. UL Listed, CSA Approved.

WITH SCREW TERMINALS

Mfr. No.	Circuit Arrangement			Poles
	A	B	C	
Screw Terminals				
1121-0001	On	.....	Off	DPST
1121-0002	On	Off	On	DPDT
1121-0003	On	.....	On	DPDT
1121-0004	On*	Off	On*	DPDT
1121-0005	On*	.....	Off	DPST
1121-0006	On	.....	On*	DPDT
1121-0007	On	Off	On*	DPDT

WITH SOLDER OR SPADE TERMINALS

Mfr. No.		Circuit Arrangement			Poles
Solder Terminals	Spade Terminals	A	B	C	
1121-0017	1111-0009	On	.....	Off	DPST
1121-0018	1111-0010	On	Off	On	DPDT
1121-0019	1111-0011	On	.....	On	DPDT
1121-0020	1111-0012	On*	Off	On*	DPDT
1121-0021	1111-0013	On*	.....	Off	DPST
1121-0022	1111-0014	On	.....	On*	DPDT
1121-0023	1111-0015	On	Off	On*	DPDT

15 AMP 2, 3, AND 4-POLE TOGGLE SWITCHES

Toggle switches have silver cadmium oxide contacts, general-purpose molded phenolic housings. Choice of screw, solder or spade terminals. **Rated:** 15 amp at 277 VAC; 3/4 hp at 125-250 VAC-0121 Series; 17 amp, 277 VAC, 6 amp, 600 VAC, 1 hp, 125 VAC, 2 hp, 250-480-600 VAC, 1, 2, or 3 phase-0140 Series. **NOTE:** 0121 Series are also available in 20 amp, 277 VAC, 1 hp, 125-277 VAC; 25 amp, 125-250 VAC non-inductive; or 10 amp "L", 125 VAC versions. Consult factory. **Size:** 1 15/64" W x 5 1/64" D x 2 7/32" H, overall. 0121 Series: 1 15/16" W x 1 15/32" D x 2 31/64" H, overall 0140 Series.

WITH SCREW TERMINALS

Mfr. No.	Circuit Arrangement			Poles
	A	B	C	
Screw Terminals				
0121-0001	On	.....	Off	DPST
0121-0002	On	Off	On	DPDT
0121-0003	On	.....	On	DPDT
0121-0004	On*	Off	On*	DPDT
0121-0005*	On*	.....	Off	DPST
0121-0006	On	.....	On*	DPDT
0121-0007	On	Off	On*	DPDT
0121-0043	Off*	.....	On	DPST
0140-3020	On	.....	Off	3PST
0140-3023	On	Off	On	3PDT
0140-4020	On	.....	Off	4PST
0140-4023	On	Off	On	4PDT

WITH SOLDER OR SPADE TERMINALS

Mfr. No.		Circuit Arrangement			Poles
Solder Terminals	Spade Terminals	A	B	C	
0121-0017	0121-0009	On	.....	Off	DPST
0121-0018	0121-0010	On	Off	On	DPDT
0121-0019	0121-0011	On	.....	On	DPDT
0121-0020	0121-0012	On*	Off	On*	DPDT
0121-0021	0121-0013	On*	.....	Off	DPST
0121-0022	0121-0014	On	.....	On*	DPDT
0121-0023	0121-0015	On	Off	On*	DPDT
0121-0045	0121-0044	Off*	.....	On	DPST
0140-3010	0140-3000	On	.....	Off	3PST
0140-3013	0140-3003	On	Off	On	3PDT
0140-4010	0140-4000	On	.....	Off	4PST
0140-4013	0140-4003	On	Off	On	4PDT

*Momentary

SERIES 2600 SPDT SNAP-ACTION SWITCHES



2601

2602

2603

2604

2606

2607

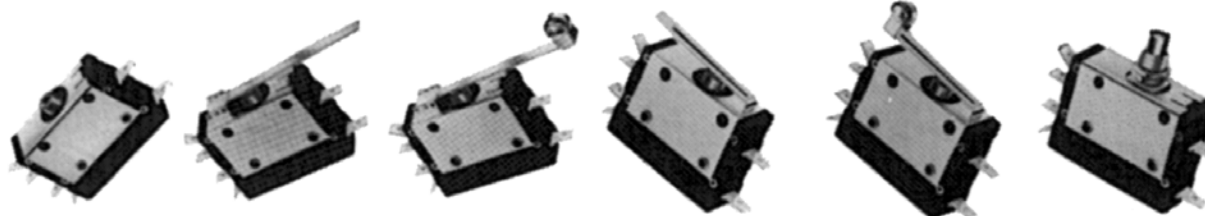
2609

More precision for the price — less than .005" differential travel. Less expensive than "high precision" switches often specified. Incorporates fewer parts to minimize points of friction and wear. Small differential travel requires less spring flexing, less chance of metal fatigue. Heavy-duty silver clad contacts for added wiping action and longer life. High-strength beryllium copper spring assures excellent mechanical life and conductivity.

Melamine plunger resists wear. Quick-connect spade terminals are standard. Rugged case is of molded phenolic. Overlap housing construction resists dust, dirt and moisture. Choice of 8 actuator types. **Rated:** 20 amp at 125-250 VAC, 1 hp, 125 VAC; 2 hp, 250 VAC, 25 amp series 2650 also available. **Size:** Case, 1 $\frac{3}{16}$ " W x $\frac{1}{4}$ " D x $\frac{1}{4}$ " H. Overall width, including terminals, 2 $\frac{1}{16}$ ". UL Recognized, CSA Approved.

Mfr. No.	Actuator Type	Operating Force Max., Oz.	Release Force Min., Oz.	Movement Differential Max., In.	Pre-travel Max., In.	Total Overtravel Min., In.
SPDT						
2601-1150	Basic plunger	20 max.	3	.005	.050	.050
2602-1150	Large red pushbutton	16 approx.	.....	.....	.....	.050
2603-1150	Rigid lever	4 max.	$\frac{1}{2}$	.025	.250	.250
2604-1150	Rigid lever with steel roller	4 max.	$\frac{1}{2}$	.025	.240	.240
2606-1150	Flexible lever	8 max.	2.5	.030	.230	.130
2607-1150	Flexible lever with steel roller	9 max.	3.0	.030	.210	.150
2609-1150	Steel overtravel plunger	20 max.	3	.005	.050	.225
2610-1150	Large black pushbutton	16 approx.	.....	.....	.....	.050

2700 SERIES SNAP-ACTION SWITCHES



2701

2703

2704

2706

2707

2709

Spade terminals standard. Contacts rated 20 amps at 125 VAC, 1 hp at 125 VAC, 2 hp at 250 VAC. Optional 100,000 cycle listing available; information

on request. DPDT switches listed: DPDT-N.O. and DPDT-N.C. also available. **Size:** 1 $\frac{3}{16}$ " W x $\frac{1}{2}$ " H x $\frac{1}{4}$ " D. UL Recognized, CSA approved.

Mfr. No.	Actuator Type	Operating Force Max., Oz.	Release Force Min., Oz.	Movement Differential Max., In.	Pre-travel Max., In.	Total Overtravel Min., In.
2701-1150	Basic plunger	35	6	.005	.050	.050
2703-1150	Rigid lever	7	1	.025	.250	.250
2704-1150	Rigid lever with steel roller	9	1	.025	.240	.240
2706-1150	Flexible lever	14	2	.030	.230	.130
2707-1150	Flexible lever with steel roller	16	2	.030	.210	.150
2709-1150	Steel overtravel plunger	35	6	.005	.050	.225

4775 SERIES "ROLLING CAM" SNAP-ACTION "SILVER-SAVER" SWITCHES LIGHT OPERATING FORCE — 75 gm MAX.



4775-1120

4775-1130

4775-1140

4775-1150

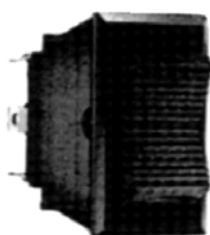
4775-1160

150,000,000 cycle reliability. Less bounce (1.5 msec.). Contact force of about 50% of operating force. Contacts are rated 10 amps at 125-250 VAC, ½ hp at 125-250 VAC, 4 A "L" at 125 VAC. Available with .187" x .200" spade terminals (standard); screw, solder and .250" spade terminals available. Specify by changing the fifth digit of the part number from "1" to "2" for screw, "3" for solder or "4" for .250" spade. SPDT switches are listed; SPST-N.O. and SPST-N.C. switches are available. **Case Size:** .875" W x

.5 H x 1 1/2" D. **Overall Width (Including Terminals):** 1 3/4". UL Recognized: CSA approved. Optional UL 100,000 cycle listing available; information on request. NOTE: These switches are also available in 6 amp, 250 VAC, 4776 Series SILVER-SAVER switches with silver-plated copper contacts, and 15 amp, 125-250VAC, ½ hp, 125-250 VAC 4777 Series. Packaged 10/ctn.

Mfr. No.	Actuator Type	Operating Force Max., Gm.	Release Force Min., Gm.	Movement Differential Max., In.	Pre-travel Max., In.	Total Overtravel Min., In.	Actuator Length In.
4775-1100	Basic plunger	75	10	.016	.047	.050	...
4775-1120	Short rigid lever	75	9	.018	.052	.050	27/32
4775-1130	Long rigid lever	37	4	.037	.108	.090	1 13/32
4775-1140	Short rigid lever with roller	75	9	.018	.052	.050	29/32
4775-1150	Long rigid lever with roller	37	4	.037	.108	.090	1 11/32
4775-1160	Simulated roller	37	5	.033	.096	.090	1 9/32

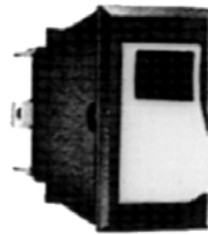
LIGHTED ROCKER SWITCHES WITH SNAP-ON COLOR CAPS



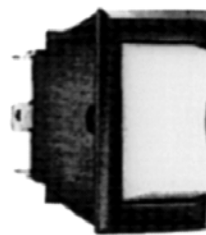
COLORED CAP



TWO LENS



ONE LENS



SOLID ROCKER

Choice of illuminated, angled or curved rocker, one or two lamps. Lenses available in red, amber, green, blue or clear. Black plastic snap-on bezels. Single or double pole circuitry, ¼" spade terminals standard; .187" wide spade, PCB, solder or screw terminals available. Switches include 115

VAC neon lamps: 6-28 V incandescent lamps available. Contacts rated 15 amps at 277 VAC, ¼ hp at 125-277 VAC; also available with 6 amps at 125 VAC; 3 amps at 277 VAC, ¼ hp at 125-277 VAC ratings. Black bezel and housing standard. UL Recognized; CSA approved. Packaged 10/ctn.

Mfr. No.*	Circuit Arrangement			Poles	Lights
	A	B	C		
SINGLE POLE — WHITE ROCKER, RED LENS					
0851-1301	On	.....	Off	SPST	1
0851-2302	On	Off	On	SPDT	2
0851-2303	On	.....	On	SPDT	2
0851-1304	(On)	.....	Off	SPST	1
0851-2305	(On)	Off	(On)	SPDT	2
0851-2306	(On)	Off	On	SPDT	2
0851-1307	On	.....	(Off)	SPST	1
DOUBLE POLE — WHITE ROCKER, RED LENS					
0861-1301	On	.....	Off	DPST	1
0861-2302	On	Off	On	DPDT	2
0861-2303	On	.....	On	DPDT	2
0861-1304	(On)	.....	Off	DPST	1
0861-2305	(On)	Off	(On)	DPDT	2
0861-2306	(On)	Off	On	DPDT	2
0861-2308	(On)	.....	On	DPDT	2

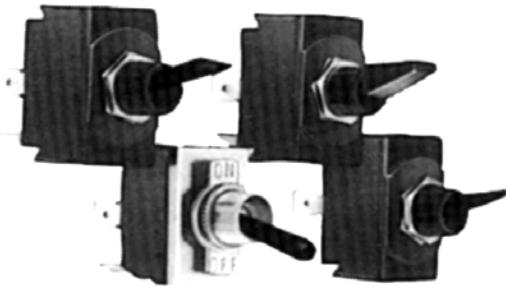
() — Momentary action. *To order switch with solid, curved rocker, substitute "00" for 5th and 6th digits in part number, i.e., 0851-1301 to 0851-0001.

Mfr. No.*	Circuit Arrangement			Poles	Lights
	A	B	C		
SINGLE POLE — NO CAP					
0871-1601	On	.....	Off	SPST	1
0871-2602	On	Off	On	SPDT	2
0871-2603	On	.....	On	SPDT	2
0871-1604	(On)	.....	Off	SPST	1
0871-2605	(On)	Off	(On)	SPDT	2
0871-2606	(On)	Off	On	SPDT	2
0871-1607	On	.....	(Off)	SPST	1
DOUBLE POLE — NO CAP					
0881-1601	On	.....	Off	DPST	1
0881-2602	On	Off	On	DPDT	2
0881-2603	On	.....	On	DPDT	2
0881-1604	(On)	.....	Off	DPST	1
0881-2605	(On)	Off	(On)	DPDT	2
0881-2606	(On)	Off	On	DPDT	2
0881-1607	On	.....	(Off)	DPST	1
0881-2608	(On)	.....	On	DPDT	2

() — Momentary action.

**To order switches with colored caps installed, change 6th digit in the Basic Part Number to indicate cap color as follows: 0 — White, 1 — Clear, 2 — Amber, 3 — Red, 4 — Green, 5 — Blue, 6 — No Cap, 7 — Chrome. (Example: 0871-X3XX indicates Red rocker cap). Change the 7th digit in the Basic Part Number to indicate rocker cap style, as follows: 0 — Full Serrated, 1 — Half-Cap Serrated, 2 — Clear Satin Cap, 3 — Opaque Satin Cap. (Example: 0871-XX1X indicates half-cap serrated rocker).

DESIGNER-LINE LIGHTED AND NON-LIGHTED TOGGLE SWITCHES



Choice of lighted or non-lighted bats, in choice of colors. Reliable, long-life mechanism. Polycarbonate coverplate standard; die-cast zinc available on special order. 25,000-hour, 14-volt incandescent lamps standard (lighted version); other incandescent and neon lamps available on special order. A variety of single-pole and double-pole, multi-circuit arrangements to choose from. **Terminals:** Spade and solder listed; screw terminals available. **Contact Rating:** 15 A at 277 VAC, 1/4 hp at 125-277 VAC. **Temperature Rating:** 150° C at 85% R.H. **Size:** 1 1/2" W x 1 1/2" H x 5/16" D. UL recognized under the Component Program; CSA approved. Black anodized dress nut available; order No. 0150-9101.

Circuit Arrangement			Poles	Nfr. No.	
A	B	C		Spade Terminals	Solder Terminals
SINGLE-POLE — NO BAT					
On	.....	Off	SPST	0150-1009	0150-1017
On	Off	On	SPDT	0150-1010	0150-1018
On	.....	On	SPDT	0150-1011	0150-1019
(On)	Off	(On)	SPDT	0150-1012	0159-1020
(On)	.....	Off	SPST	0150-1013	0150-1021
DOUBLE-POLE — NO BAT					
On	.....	Off	DPST	0151-1009	0151-1017
On	Off	On	DPDT	0151-1010	0151-1018
On	.....	On	DPDT	0151-1011	0151-1019
(On)	Off	(On)	DPDT	0151-1012	0151-1020
On	.....	(On)	DPDT	0151-1014	0151-1022
On	Off	(On)	DPDT	0151-1015	0151-1023

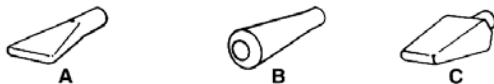
() = Momentary contact.

ILLUMINATED DESIGNER-LINE TOGGLE SWITCHES

(Available with Standard Plastic Coverplate Only)

Bat Tip Color	SPST Only Circuit Arrangement	Nfr. No.	
		Spade Terminals	Solder Terminals
Red	On-Off	0151-7000	0151-7008
Green	On-Off	0151-7002	0151-7010
Clear	On-Off	0151-7003	0151-7011

DESIGNER-LINE TOGGLE SWITCHES WITH BAT



To order an assembled switch with bat, substitute appropriate code number for the 6th digit in the part number.

Bat Tip Style	Bat Color*	Code No.	Bat Type
0151-X1XX	Red	1	A
0151-X2XX	Black	2	A
0151-X3XX	White	3	A
0151-X4XX	Red	4	B
0151-X5XX	Black	5	B
0151-X6XX	White	6	B
0151-X7XX	Red	7	C
0151-X8XX	Black	8	C
0151-X9XX	White	9	C

*Bat tip can also be furnished in practically any color on special order.

0815 SERIES MINIATURE SNAP-IN ROCKER SWITCHES LIGHTED OR NON-LIGHTED



Choice of illuminated or non-illuminated, two-surface, smooth, colored rocker. Illuminated rockers available in clear, amber, red, blue or green. Non-lighted rockers available in white, black or red; other colors available. Plastic snap-in bezels, available in black or white; other colors available on special order. **Contact Rating:** 12 amps at 125 VAC, 1/2 hp at 125-250 VAC; also available with 15 amp rating, 1/4" Q.C. terminals standard; 16-ga. wire leads available, 115 VAC neon lamps standard; 6, 14, or 28 VAC or VDC lamps or 250 VAC neon lamps available. UL recognized. CSA approved. **Size:** 1.331" H x .890" W x .490" D. Lighted version available with SPST circuitry only.

Nfr. No.	Circuit Arrangement			Poles	Lights
	A	B	C		
0815-1213	On	.....	Off	SPST	None
0815-1243	On	.....	On	SPDT	None
0815-1253	On	Off	On	SPDT	None
0815-5213	On	.....	Off	SPST	1

METAL-CASED, SNAP-ACTION SWITCHES



Metal-cased, snap-action switches for control and indicating circuits. Rated 20 amps at 125-250 VAC; 1 hp at 125 VAC; 10 amps at 125 VAC lamp load; 2 hp at 250 VAC; 1/2 amp at 125 VDC; 1/4 amp at 250 VDC. Switch mounting is designated right-hand or left-hand by number according to the location of the actuator on the mounted switch. To specify left hand mounting, change the 8th digit of the part number from "0" to "2"; prices are the same.

Nfr. No.	Description
1503-0100	Sealed plunger
1503-0300	Sealed roller plunger
1503-0500	Wobble stick
1503-0600	Adjustable hand knob
1503-0700	Adjustable roller lever
1503-0800	Spring roller lever

WORLD'S SMALLEST SNAP-ACTION SWITCH



Fine silver contacts. Double turret terminals molded into case. **Rated:** 1 amp at 125-250 VAC; 1 amp resistive, 30 VDC; 1 amp inductive, 30 VDC. **Size:** Case, .300" W x .100" D x .250" H.

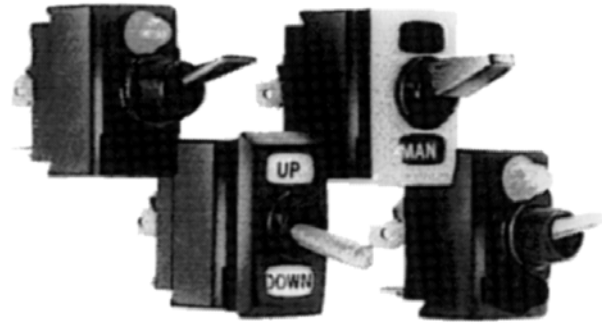
Nfr. No.	Actuator Type	Operating Force
SPDT Switches		
4901-2100	Pin plunger	4oz.
4902-2100	Short lever	36gm
4903-2100	Medium lever	31gm
4904-2100	Long lever	20gm
4905-2100	Formed lever	36gm
4906-2100	Long formed lever	22gm

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Recognized under the Components Program of Underwriters' Laboratories, Inc.
 CSA Approved
 15A at 277 VAC
 3/4 HP 125-277 VAC

- Board selection of bat styles, colors, indicating plate and legends to fit design and functional requirements.
- Reliable, long-life mechanisms for exceptional performance.
- Variety of circuit arrangements.
- Environmental ratings — 150°F, 85% relative humidity.
- Choice of screw, 1/4" wide spade, or solder terminals. For use with 16 gauge wire.

It's easy to find the TOGLITE™ switch to meet all your requirements. First, select the basic switch from the 0150 (SP) or 0151 (DP) tables below. Then, choose the bat configuration and color. Next, select the color of lens cap desired and then the type of indicating plate (if required) and legend.

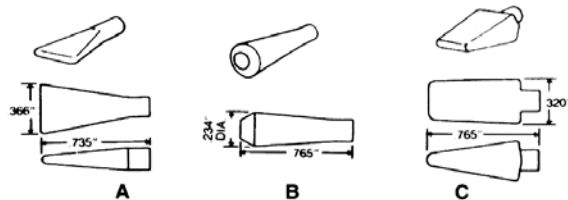


WITHOUT BAT TIPS

Circuit Arrangement			Poles	Mfr. No.		
A	B	C		Screw Terminals	Spade Terminals	Solder Terminals
On	.....	Off	SPST	0150-2001	0150-2009	0150-2017
On	Off	On	SPDT	0150-2002	.....	.....
(On)	Off	(On)	SPDT	0150-2004	0150-2012	.....
(Off)	.....	On	SPST	0150-2008	.....	.....
On	.....	Off	DPST	0151-2001	0151-2009	.....
On	Off	On	DPDT	0151-2002	0151-2010	.....
On	.....	On	DPDT	.....	0151-2011	0151-2019
(On)	Off	(On)	DPDT	0151-2004	0151-2012	0151-2020
(On)	.....	Off	DPST	.....	0151-2013	.....
(On)	.....	On	DPDT	.....	0151-2014	.....
On	Off	(On)	DPDT	.....	0151-2015	.....
(Off)	.....	On	DPST	0151-2008	0151-2016	.....

() — Momentary contact.

BAT CONFIGURATIONS



Ordering instructions for bat configurations, colors and switches with plastic bezels. Catalog numbers for switches with the three bat tip styles shown are formed by changing the 6th digit (0151-X3XX) of the basic switch catalog number as follows:

Bat Tip Style	Color	6th Digit	Fig.
0151-0100	Red	1	A
0151-0200	Black	2	A
0151-0300	White	3	A
0151-0400	Red	4	B
0151-0500	Black	5	B
0151-0600	White	6	B
0151-0700	Red	7	C
0151-0800	Black	8	C
0151-0900	White	9	C

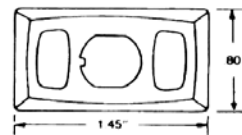
COLORED LENS CAPS

Clear plastic lens caps are supplied as standard on all switches. Colored caps can be ordered as follows:

Color Cap	Part Number
White	0151-9000
Amber	0151-9002
Red	0151-9003
Green	*0151-9004
Blue	*0151-9005

*Use with 6-14 or 28V incandescent lamps only.

INDICATING PLATES & LEGENDS



Indicating plates and legends are supplied in packages that consist of the indicating plate and legend support with one window or indicating plate and legend support with two windows. Number of windows will be established by circuit designation.

Indicating Plates

Mfr. No*	Description
0151-9503	Black Two Windows
0151-9504	White Two Windows

*Other colors available on special order.

Legends

Mfr. No.**	Black Matte Background, White Graphics
0151-9601	ON-OFF
0151-9602	High-Low
0151-9604	AUTO/MAN
0151-9605 *	FWD/REV
0151-9606	Up-Down
0151-9607	Cool-Heat

**Other legends and graphics available on special order.