

SUB-MINI & MINIATURE PUSHBUTTONS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-402	35-402-BU	1	On (Off)	NC SPST	1/4*		0.125	0.175	Black	Pl	Sd Lug	0.172	N	289-A
35-3459	35-3459-BU	2	Off (On)	NO SPST	1/4†		0.225	0.240	White	Pin	Sd Eyelet	0.250	N	289-B
35-400	35-400-BU	3	Off (On)	NO SPST	1/2	1/4	0.125	0.175	Black	Pl	Sd Lug	0.172	N	289-C
35-401	35-401-BU	4	Off (On)	NO SPST	1		0.276	0.091	Black	RC	Sd Eyelet	0.281	N, KN	289-D
35-407	35-407-BU	5	Off (On)	NO SPST	1	1/2		0.100	White	SqB	QC .187"/Sd	****		289-E
35-410	35-410-BU	4	Off (On)	NO SPST	1		0.276	0.091	Red	RC	Sd Eyelet	0.281	N, KN	289-D
35-415	35-415-BU	5	Off (On)	NO SPST	1	1/2		0.100	Red	SqB	QC .187"/Sd	****		289-E
35-450	35-450-BU	6	On (On)	SPDT	1*		0.250	0.218	White	Pin	Sd Eyelet	0.250	2 N, LW, LR	289-F
35-451	35-451-BU	7	On (On)	DPDT	1*		0.250	0.218	White	Pin	Sd Eyelet	0.250	2 N, LW, LR	289-F
35-404	35-404-BU	8	On (On)	SPDT	3		0.335	0.315	Black	RC	Sd Eyelet	0.250	N, KN, W	289-G
35-405	35-405-BU	9	On (On)	DPDT	3		0.335	0.315	Black	RC	Sd Eyelet	0.250	N, KN, W	289-J
35-406	35-406-BU	10	On (Off)	SPST	3		0.315	0.315	Black	RC	Sd Eyelet	0.315	N, W	289-H
35-408	35-408-BU	10	On (On)	SPDT	3		0.315	0.315	Black	RC	Sd Eyelet	0.315	N, W	289-H
35-409	35-409-BU	10	Off (On)	NO SPST	3		0.315	0.315	Black	RC	Sd Eyelet	0.315	N, W	289-H
35-411	35-411-BU	11	Off (On)	NO SPST	3	1	0.295	0.157	Black	RB	Sd Eyelet	0.400	N, W	289-I
35-412	35-412-BU	12	Off (On)	NO SPST	3	1	0.295	0.157	Black	SqB	Sd Eyelet	0.400	N, W	289-I
35-413	35-413-BU	13	Off (On)	NO SPST	3	1	0.295	0.157	Black	RqB	Sd Eyelet	0.400	N, W	289-I
35-417	35-417-BU	13	Off (On)	NO SPST	3	1	0.295	0.157	Red	RqB	Sd Eyelet	0.400	N, W	289-I
35-425	35-425-BU	9	On (On)	DPDT	3		0.335	0.315	Blue	RC	Sd Eyelet	0.250	N, KN, W	289-J

Notes: (On)/(Off)=Momentary On/Off
 *Rated @120VAC/28VDC
 ****0.500 x 0.437
 †=Rated @125VAC/DC

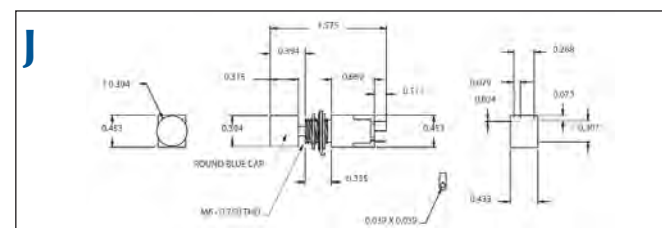
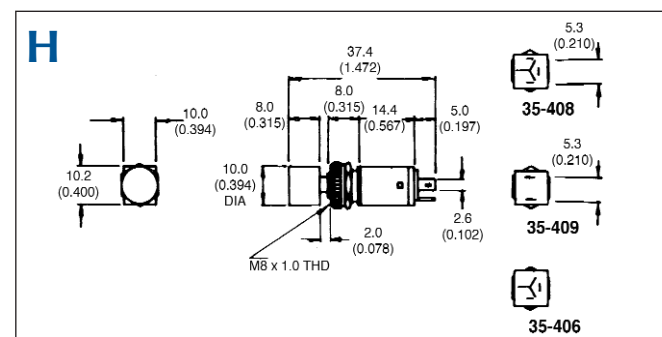
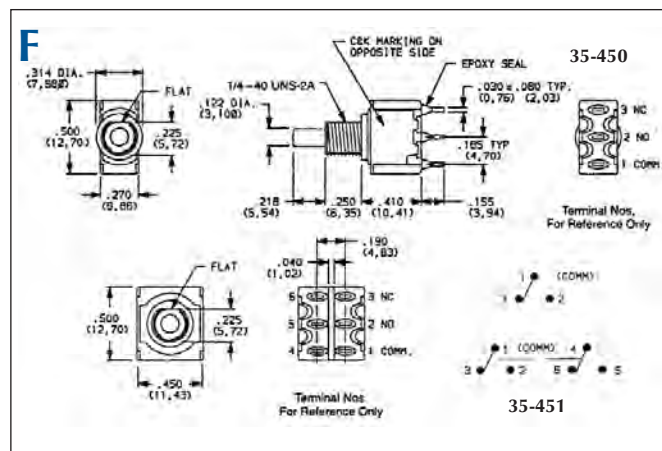
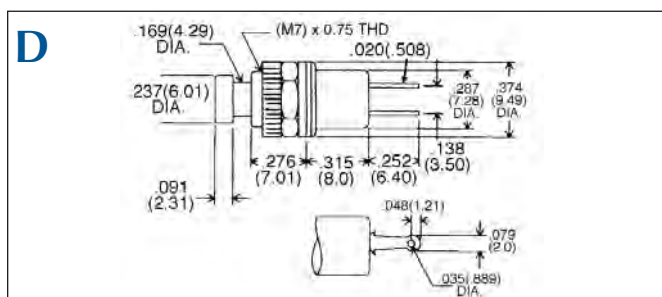
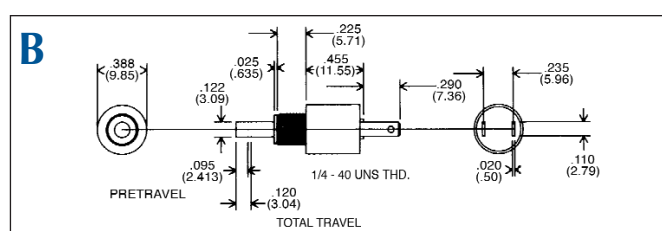
KN=Knurled Nut
 LR=Lock Ring
 LW=Lock Washer
 N=Nut(s)
 NC=Normally Closed
 NO=Normally Open
 N/R=Not Rated

QC=Quick Connect
 RC=Round Cap
 RqB=Rectangle Button

Pl=Plunger
 Sd=Solder
 SqB=Square Button
 W=Washer

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

Switches



MINIATURE PUSHBUTTONS (Cont.)

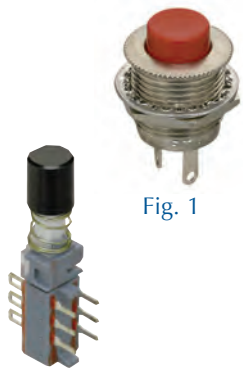


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 6



Fig. 7



Fig. 8

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	30 Watts	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-416	35-416-BU	1	On(Off)	SPDT	N/R	250mA	0.391	0.110	Red	RB	Sd Eyelet	0.469	LN, LW	291-A
35-418	35-418-BU	2	On(Off)	SPDT	N/R	250mA	0.391	0.110	Black	RB	Sd Eyelet	0.469	LN, LW	291-A
35-3460	35-3460-BU	3	On Off	SPST	6++		1.100	0.360	Brass	CB	6" WL	0.375	N, KN	291-B
35-852	35-852-BU	4	On Off	SPST	6++		0.375	0.344	Black	CB	6" WL	0.375	N, KN	291-C

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-491	35-491-BU	5	On On	DPDT	0.50**	0.20		0.406	Black	RmB	PCB/Sd Eye		N, LN	291-D

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	A 125/250 VAC	30 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-475	35-475-BU	6	(On) Off	NO SPST	0.50	0.50	0.260	0.500	Black	RB	+++	0.500	N, LN	291-E
35-476	35-476-BU	7	Off (On)	NO SPST	0.50		0.260	0.500	Red	RB	+++	0.500	N, LN	291-E
35-3471	35-3471-BU	8	On (Off)	NC SPST	***		0.374	0.244	White	RB	Sc	0.500	N, LW	291-F

Notes: (On)/(Off)=Momentary On/Off
 **Rated@100VAC
 ***Rated 2Amps @120VAC, 1A 277 VAC

++=3@250V AC
 +++=6.3mm Tab w/Eyelet
 35-491 is momentary on if the pin is removed
 CB=Canopy Button
 KN=Knurled Nut
 LN=Lock Nut

LW=Lock Washer
 N=Nut(s)
 NC=Normally Closed
 NO=Normally Open
 N/R=Not Rated

PCB=Printed Circuit Board
 RB=Round Button
 RmB=Removable Button

Sc=Screw
 Sd=Solder

STANDARD PUSHBUTTONS



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color/Material	Frame/Bezel	Terminal Type	Mount Hole	Hardware	Spec. Drawing Page No.
35-420	35-420-BU	9	Off (On)	NO SPST		3	0.276	0.354	Red Plastic	Chrm. Ring	Sd Eyelet	0.500	N, W	291-G
35-421	35-421-BU	10	Off (On)	NO SPST		3	0.390	0.244	Red Plastic	Black Square	Sd Eyelet	0.500	N, W	291-H
35-422	35-422-BU	9	On Off	SPST		3	0.276	0.354	White Plastic	Chrm. Ring	Sd Eyelet	0.500	N, W	291-G
35-423	35-423-BU	11	Off (On)	NO SPST	3	N/R	Snap-in	0.125	Red Plastic	Black	Sd Eyelet	0.687		291-I
35-3456	35-3456-BU	12	(On) Off	SPST	6	3	0.500	0.212	White		Q.C.	0.500	N, KN	291-J
35-3457	35-3457-BU	13	Off (On)	NO SPST	6**	3**	0.500	0.212	Black Plastic		Sc	0.500	N, KN, Sc	291-J
35-3458	35-3458-BU	13	(Off) On	NC SPST	***	***	0.490	0.200	Red Plastic		Sc	0.500	N, KN, Sc	291-K
35-430	35-430-BU	14	Off (On)	NO SPST	6	3	0.562	0.437	Chrm. Metal		Sd Eyelet	0.500	N, KN	291-L
35-432	35-432-BU	14	On (Off)	NC SPST	6	3	0.562	0.437	Chrm. Metal		Sd Eyelet	0.500	N, KN	291-L
35-448	35-448-BU	15	On Off	SPST	6	3	0.561	0.415	Chrm. Metal		Sd Eyelet	0.500	N, KN	291-L
35-449	35-449-BU	16	On Off	SPST	6	3	0.561	0.437	Chrm. Metal		Sc	0.500	N, KN	291-M

Notes: (On)/(Off)/(SPDT)=Momentary Action
 *Rated 8Amps @125V DC, 4Amps @250V DC, 1/3 HP @125VAC;
 **Rated 6Amps @120VAC/3Amps @240VAC
 ***Rated 3Amps @120VAC/1.5Amps @277VAC
 ****Rated 25/15Amps @6/12VDC

+ = Rated 1/2 HP @250VDC
 Chrm.=Chrome
 HP=Horse Power
 KN=Knurled Nut
 N=Nut(s)

NC=Normally Closed
 NO=Normally Open
 N/R=Not Rated
 QC=Quick Connect
 Sc=Screw

Sd=Solder
 W=Washer
 WL=Wire Lead

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

[illegible]

A Dimensions: 35.0 (1.398), 9.0 (0.354), 15.3 (0.610), 7.0 (0.276), 17.0 (0.669) DIA, 14.0 (0.551) DIA, 11.0 (0.433) DIA, 5.0 (0.197), 10.9 (0.429) DIA, M12 x 1.0 THD, (2) 2.2 (0.087) DIA, 2.54 (0.100).

B Dimensions: 1.54 (0.061), 0.25 (0.010), 0.50 (0.020), 0.75 (0.030), 1.00 (0.040), 1.25 (0.050), 1.50 (0.060), 1.75 (0.070), 2.00 (0.080), 2.25 (0.090), 2.50 (0.100), 2.75 (0.110), 3.00 (0.120), 3.25 (0.130), 3.50 (0.140), 3.75 (0.150), 4.00 (0.160), 4.25 (0.170), 4.50 (0.180), 4.75 (0.190), 5.00 (0.200), 5.25 (0.210), 5.50 (0.220), 5.75 (0.230), 6.00 (0.240), 6.25 (0.250), 6.50 (0.260), 6.75 (0.270), 7.00 (0.280), 7.25 (0.290), 7.50 (0.300), 7.75 (0.310), 8.00 (0.320), 8.25 (0.330), 8.50 (0.340), 8.75 (0.350), 9.00 (0.360), 9.25 (0.370), 9.50 (0.380), 9.75 (0.390), 10.00 (0.400), 10.25 (0.410), 10.50 (0.420), 10.75 (0.430), 11.00 (0.440), 11.25 (0.450), 11.50 (0.460), 11.75 (0.470), 12.00 (0.480), 12.25 (0.490), 12.50 (0.500), 12.75 (0.510), 13.00 (0.520), 13.25 (0.530), 13.50 (0.540), 13.75 (0.550), 14.00 (0.560), 14.25 (0.570), 14.50 (0.580), 14.75 (0.590), 15.00 (0.600), 15.25 (0.610), 15.50 (0.620), 15.75 (0.630), 16.00 (0.640), 16.25 (0.650), 16.50 (0.660), 16.75 (0.670), 17.00 (0.680), 17.25 (0.690), 17.50 (0.700), 17.75 (0.710), 18.00 (0.720), 18.25 (0.730), 18.50 (0.740), 18.75 (0.750), 19.00 (0.760), 19.25 (0.770), 19.50 (0.780), 19.75 (0.790), 20.00 (0.800), 20.25 (0.810), 20.50 (0.820), 20.75 (0.830), 21.00 (0.840), 21.25 (0.850), 21.50 (0.860), 21.75 (0.870), 22.00 (0.880), 22.25 (0.890), 22.50 (0.900), 22.75 (0.910), 23.00 (0.920), 23.25 (0.930), 23.50 (0.940), 23.75 (0.950), 24.00 (0.960), 24.25 (0.970), 24.50 (0.980), 24.75 (0.990), 25.00 (1.000), 25.25 (1.010), 25.50 (1.020), 25.75 (1.030), 26.00 (1.040), 26.25 (1.050), 26.50 (1.060), 26.75 (1.070), 27.00 (1.080), 27.25 (1.090), 27.50 (1.100), 27.75 (1.110), 28.00 (1.120), 28.25 (1.130), 28.50 (1.140), 28.75 (1.150), 29.00 (1.160), 29.25 (1.170), 29.50 (1.180), 29.75 (1.190), 30.00 (1.200), 30.25 (1.210), 30.50 (1.220), 30.75 (1.230), 31.00 (1.240), 31.25 (1.250), 31.50 (1.260), 31.75 (1.270), 32.00 (1.280), 32.25 (1.290), 32.50 (1.300), 32.75 (1.310), 33.00 (1.320), 33.25 (1.330), 33.50 (1.340), 33.75 (1.350), 34.00 (1.360), 34.25 (1.370), 34.50 (1.380), 34.75 (1.390), 35.00 (1.400), 35.25 (1.410), 35.50 (1.420), 35.75 (1.430), 36.00 (1.440), 36.25 (1.450), 36.50 (1.460), 36.75 (1.470), 37.00 (1.480), 37.25 (1.490), 37.50 (1.500), 37.75 (1.510), 38.00 (1.520), 38.25 (1.530), 38.50 (1.540), 38.75 (1.550), 39.00 (1.560), 39.25 (1.570), 39.50 (1.580), 39.75 (1.590), 40.00 (1.600), 40.25 (1.610), 40.50 (1.620), 40.75 (1.630), 41.00 (1.640), 41.25 (1.650), 41.50 (1.660), 41.75 (1.670), 42.00 (1.680), 42.25 (1.690), 42.50 (1.700), 42.75 (1.710), 43.00 (1.720), 43.25 (1.730), 43.50 (1.740), 43.75 (1.750), 44.00 (1.760), 44.25 (1.770), 44.50 (1.780), 44.75 (1.790), 45.00 (1.800), 45.25 (1.810), 45.50 (1.820), 45.75 (1.830), 46.00 (1.840), 46.25 (1.850), 46.50 (1.860), 46.75 (1.870), 47.00 (1.880), 47.25 (1.890), 47.50 (1.900), 47.75 (1.910), 48.00 (1.920), 48.25 (1.930), 48.50 (1.940), 48.75 (1.950), 49.00 (1.960), 49.25 (1.970), 49.50 (1.980), 49.75 (1.990), 50.00 (2.000), 50.25 (2.010), 50.50 (2.020), 50.75 (2.030), 51.00 (2.040), 51.25 (2.050), 51.50 (2.060), 51.75 (2.070), 52.00 (2.080), 52.25 (2.090), 52.50 (2.100), 52.75 (2.110), 53.00 (2.120), 53.25 (2.130), 53.50 (2.140), 53.75 (2.150), 54.00 (2.160), 54.25 (2.170), 54.50 (2.180), 54.75 (2.190), 55.00 (2.200), 55.25 (2.210), 55.50 (2.220), 55.75 (2.230), 56.00 (2.240), 56.25 (2.250), 56.50 (2.260), 56.75 (2.270), 57.00 (2.280), 57.25 (2.290), 57.50 (2.300), 57.75 (2.310), 58.00 (2.320), 58.25 (2.330), 58.50 (2.340), 58.75 (2.350), 59.00 (2.360), 59.25 (2.370), 59.50 (2.380), 59.75 (2.390), 60.00 (2.400), 60.25 (2.410), 60.50 (2.420), 60.75 (2.430), 61.00 (2.440), 61.25 (2.450), 61.50 (2.460), 61.75 (2.470), 62.00 (2.480), 62.25 (2.490), 62.50 (2.500), 62.75 (2.510), 63.00 (2.520), 63.25 (2.530), 63.50 (2.540), 63.75 (2.550), 64.00 (2.560), 64.25 (2.570), 64.50 (2.580), 64.75 (2.590), 65.00 (2.600), 65.25 (2.610), 65.50 (2.620), 65.75 (2.630), 66.00 (2.640), 66.25 (2.650), 66.50 (2.660), 66.75 (2.670), 67.00 (2.680), 67.25 (2.690), 67.50 (2.700), 67.75 (2.710), 68.00 (2.720), 68.25 (2.730), 68.50 (2.740), 68.75 (2.750), 69.00 (2.760), 69.25 (2.770), 69.50 (2.780), 69.75 (2.790), 70.00 (2.800), 70.25 (2.810), 70.50 (2.820), 70.75 (2.830), 71.00 (2.840), 71.25 (2.850), 71.50 (2.860), 71.75 (2.870), 72.00 (2.880), 72.25 (2.890), 72.50 (2.900), 72.75 (2.910), 73.00 (2.920), 73.25 (2.930), 73.50 (2.940), 73.75 (2.950), 74.00 (2.960), 74.25 (2.970), 74.50 (2.980), 74.75 (2.990), 7

STANDARD PUSHBUTTONS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color/Material	Frame/Bezel	Terminal Type	Mount Hole	Hardware	Spec. Drawing Page No.
35-3454	35-3454-BU	1	On Off	SPST++	10*	N/R	0.561	0.410	Chrm. Metal		6" WL	0.500	N, KN	293-A
35-473	35-473-BU	2	NO or NC	SPDT	16†	16†	0.380	0.125	Red Plastic	Black Shroud	QC .250"	0.500	N	293-B
35-458	35-458-BU	3	On Off	SPST	15	10	0.562	0.238	Chrm. Metal		Sc	0.500	N, KN, Sc	293-C
35-3425	35-3425-BU	4	On Off	SPST	15	10	0.561	0.415	Chrm. Metal		Sc	0.500	N, KN, Sc	293-D
35-3427	35-3427-BU	4	Off (On)	NO SPST	15	10	0.561	0.415	Chrm. Metal		Sc	0.500	N, KN, Sc	293-D
35-3429	35-3429-BU	4	On (Off)	NC SPST	15	10	0.561	0.415	Chrm. Metal		Sc	0.500	N, KN, Sc	293-D
35-3490	35-3490-BU	4	On On	SPDT	15	10	0.561	0.415	Chrm. Metal		Sc	0.500	2 N, Sc	293-D
35-455	35-455-BU	5	Off On	SPST	16^	16	Snap-in	0.157	Red Plastic	Black	QC .250"/Sd	0.992		293-E
35-457	35-457-BU	5	Off (On)	NO SPST	16^	16	Snap-in	0.157	Red Plastic	Black	QC .250"/Sd	0.992		293-E
35-459	35-459-BU	5	Off (On)	NO SPST	16^	16	Snap-in	0.157	Black Plastic	Black	QC .250"/Sd	0.992		293-E
35-490	35-490-BU	6	On Off	DPDT++	8	6	0.730	0.312	OrangeΔ	Black	PCB/Sd Lug	0.530	N, W	293-F
35-3484	35-3484-BU	7	Off (On)	NO SPST	****	****	1.200	0.375	Black Chrome	Black	Sc	0.625	N, W	293-G

Notes: (On)/(Off)/(SPDT)=Momentary Action

*Rated 8Amps @125V DC, 4Amps @250V DC, 1/3 HP @125VAC;

**Rated 6Amps @120VAC/3Amps @240VAC

***Rated 3Amps @120VAC/1.5Amps @277VAC

****Rated (25, 15) Amps @ (6,12) VDC

^=1/2 HP @ 125VAC, 1 HP @ 250 VAC

†=Rated 1/2 HP @125 VAC, 0.2A @250 VDC

++=Alternate Action

Chrm.=Chrome

HP=Horse Power

35-490 comes with Nut and Washer Hardware

35-490 pin can be removed to make momentary

Δ=Mechanical Indicator, non-illuminated

NC=Normally Closed

NO=Normally Open

N/R=Not Rated

QC=Quick Connect

Sc=Screw

Sd=Solder

W=Washer

WL=Wire Lead

KN=Knurled Nut

N=Nut(s)

LIGHTED PUSHBUTTONS



Fig. 8



Fig. 9



Fig. 10

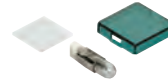


Fig. 11

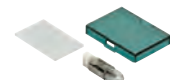


Fig. 12

Switches

Retail Part No.	Bulk Part No.	Fig. No.	*Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Amps 14 VDC	HP 125 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Spec Drawing Page No.
35-480	35-480-BU	8^	On Off	SPST	10	10	10	1/4	Snap-in	0.360	Red Lens	Square	QC .25"/Sd	1.10 x 0.88	293-J
35-481††		8									Red Lens	Square			293-J
35-482	35-482-BU	8^	On Off	SPST	10	10	10	1/4	Snap-in	0.360	Amber Lens	Square	QC .25"/Sd	1.10 x 0.88	293-J
35-484	35-484-BU	8^	On Off	SPST	10	10	10	1/4	Snap-in	0.360	Green Lens	Square	QC .25"/Sd	1.10 x 0.88	293-J
35-3412	35-3412-BU	9	(1NC) (1NO)	SPDT		4†			0.295	0.196		Square	Sd Eyelet	0.638	293-H
35-3414	35-3414-BU	9	1NC 1NO	SPDT		4†			0.295	0.196		Square	Sd Eyelet	0.638	293-H
35-3430	35-3430-BU	9	2NC 2NO	DPDT		4†			0.295	0.196		Square	Sd Eyelet	0.638	293-H
35-3431	35-3431-BU	10	2NC 2NO	DPDT		4†			0.295	0.196		Rq	Sd Eyelet	0.638	293-I
35-3432	35-3432-BU	10	(1NC) (1NO)	SPDT		4†			0.295	0.196		Rq	Sd Eyelet	0.638	293-I

Lens and Diffuser Kits

Choose a Lens and Diffuser Kit below to go with Fig. 9 and Fig. 10 above part numbers (Sold Separately)

Retail Part No.	Bulk Part No.	Fig. No.	Style	Color	Spec Drawing Page No.
35-3435	35-3435-BU	11	Square	Green	293-K
35-3437	35-3437-BU	11	Square	Red	293-K
35-3438	35-3438-BU	11	Square	Clear	293-K
35-3439	35-3439-BU	11	Square	Yellow	293-K
	35-3400-BU		12V Replacement Bulb		

Retail Part No.	Bulk Part No.	Fig. No.	Style	Color	Spec Drawing Page No.
35-3440	35-3440-BU	12	Rectangle	Green	293-L
35-3442	35-3442-BU	12	Rectangle	Red	293-L
35-3443	35-3443-BU	12	Rectangle	Clear	293-L
35-3444	35-3444-BU	12	Rectangle	Yellow	293-L
	35-3400-BU		12V Replacement Bulb		

Notes: ()=Momentary Function

*NC=Normally Closed and NO=Normally Open

^=12V Incandescent

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

N/R=Not Rated

PCB=Printed Circuit Board

†=0.2A @ 220VDC, 5mA @ 12VAC/DC

††=Lens Only

QC=Quick Connect

Rq=Rectangle

Sd=Solder

Switches

