

## 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

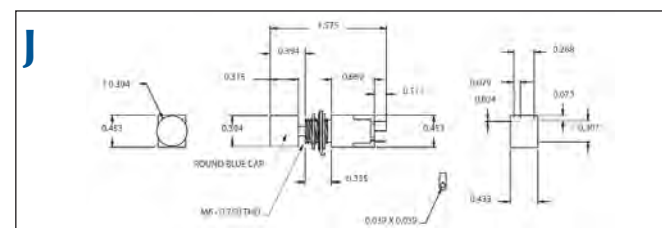
Pl=Plunger  
 Sd=Solder  
 SqB=Square Button  
 W=Washer

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



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## Switches



## MINIATURE PUSHBUTTONS (Cont.)

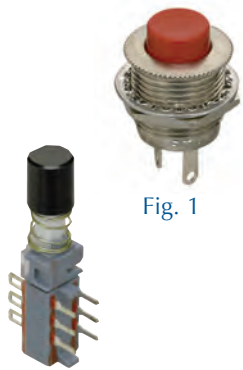


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



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                  |

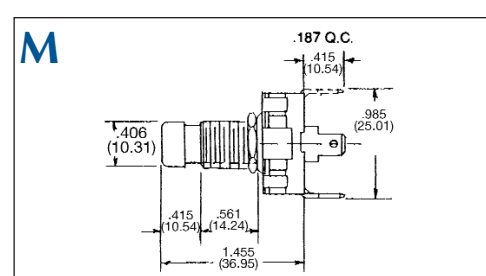
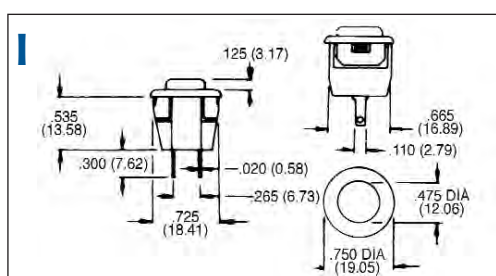
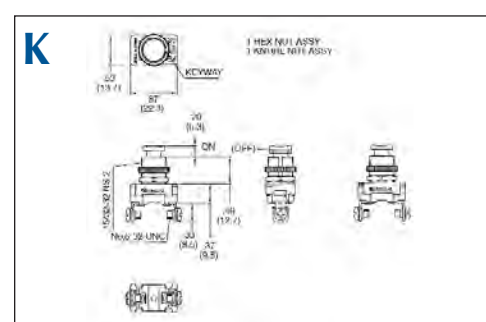
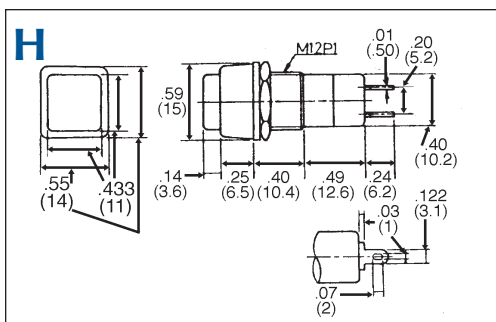
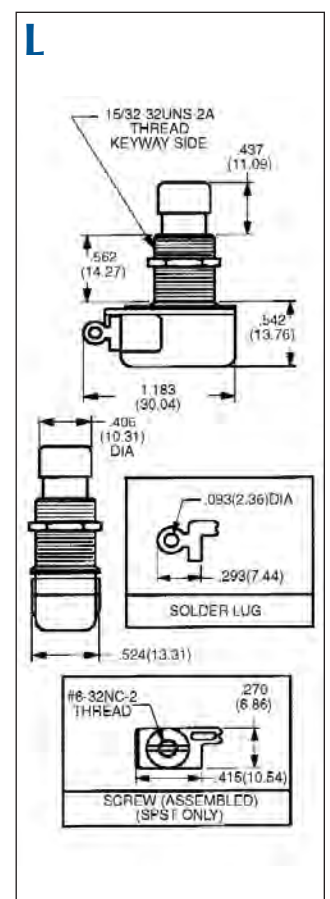
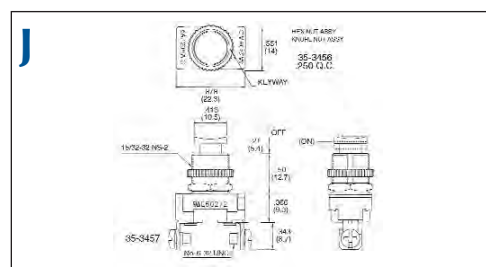
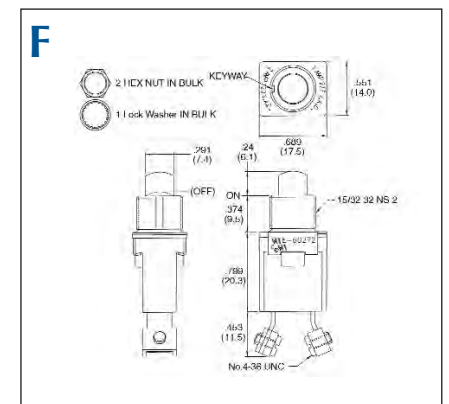
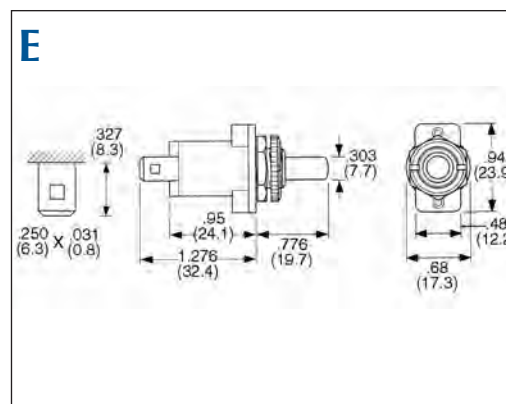
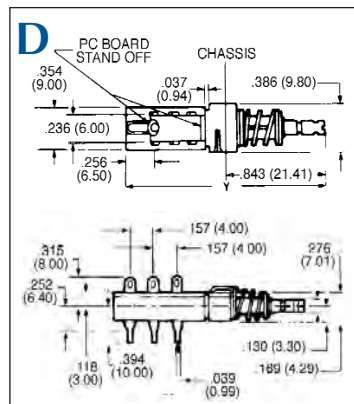
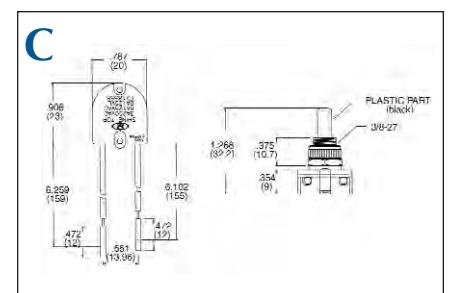
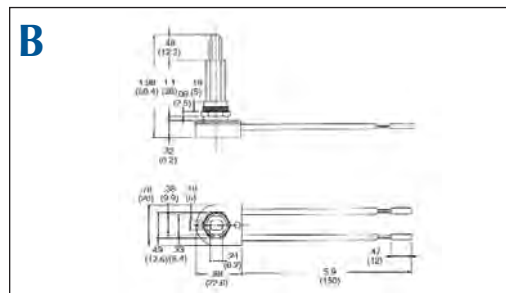
Notes: (On)/(Off)/(SPDT)=Momentary Action  
 \*Rated 8Amps @125V DC, 4Amps @250V DC, 1/3 HP @125VAC;  
 \*\*Rated 6Amps @120VAC/3Amps @240VAC  
 \*\*\*Rated 3Amps @120VAC/1.5Amps @277VAC  
 \*\*\*\*Rated 25/15Amps @6/12VDC

+ = 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.



## 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

N/R=Not Rated

QC=Quick Connect

Sc=Screw

N=Nut(s)

## LIGHTED PUSHBUTTONS



Fig. 8



Fig. 9



Fig. 10

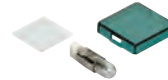


Fig. 11

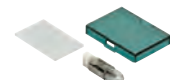


Fig. 12

### 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

