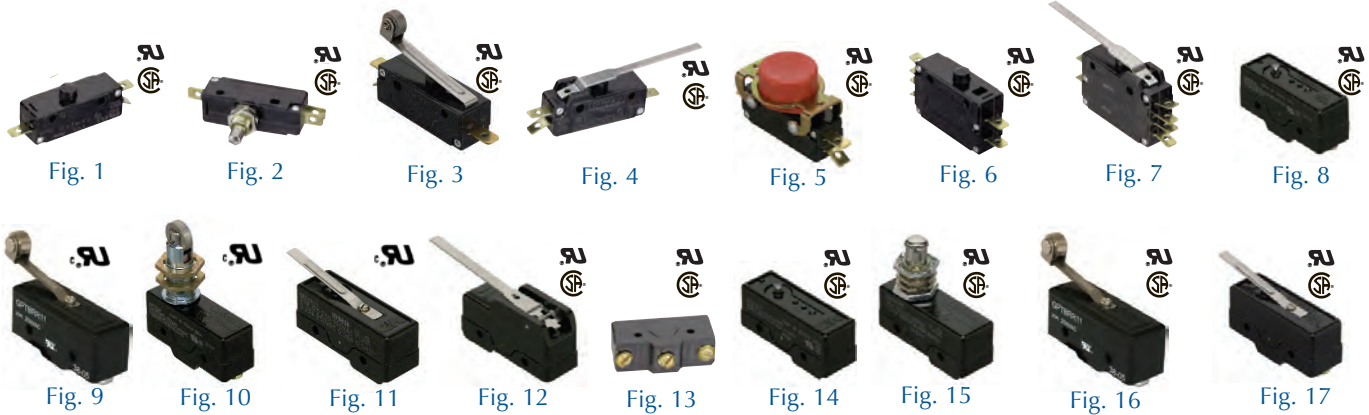


## GENERAL PURPOSE SNAP ACTION



| Retail Part No. | Bulk Part No. | Fig. No. | Amps **VAC | Amps 125 VDC | Amps 250 VDC | HP 125 VAC | HP 250 VAC | PT Max. (In) | OT Min. (In) | DT Max. (In) | OF Max. Oz. (grams) | Actuator | Actuator Length (In) | Terminal Type | Spec Drawing Page No. |
|-----------------|---------------|----------|------------|--------------|--------------|------------|------------|--------------|--------------|--------------|---------------------|----------|----------------------|---------------|-----------------------|
| 35-461          | 35-461-BU     | 1        | 15         |              |              | 3/4        | 1-1/2      | 0.050        | 0.050        | 0.010        | 20 (567)            | PI       |                      | QC .250"      | 297-A                 |
| 35-462          | 35-462-BU     | 2        | 15         |              |              | 3/4        | 1-1/2      | 0.050        | 0.187        | 0.010        | 20 (567)            | PI w/OT  |                      | QC .250"      | 297-B                 |
| 35-463          | 35-463-BU     | 3        | 15         |              |              | 3/4        | 1-1/2      | 0.281        | 0.062        | 0.094        | 20 (567)            | Ro       | 1.50                 | QC .250"      | 297-C                 |
| 35-464          | 35-464-BU     | 4        | 15         |              |              | 3/4        | 1-1/2      | 0.312        | 0.187        | 0.062        | 20 (567)            | Lever    | 2.50                 | QC .250"      | 297-D                 |
| 35-830          | 35-830-BU     | 5        | 15         |              |              | 3/4        | 1-1/2      | 0.050        | 0.050        | 0.010        | 20 (567)            | Red Pb   |                      | QC .250"      | 297-E                 |
| 35-831          | 35-831-BU     | 5        | 15         |              |              | 3/4        | 1-1/2      | 0.050        | 0.050        | 0.010        | 20 (567)            | Black Pb |                      | QC .250"      | 297-E                 |
| 35-990          | 35-990-BU     | *6       | 15         |              |              | 3/4        | 1-1/2      | 0.050        | 0.050        | 0.010        | 30 (850)            | PI       |                      | QC .250"      | 297-F                 |
| 35-992          | 35-992-BU     | *7       | 15         |              |              | 3/4        | 1-1/2      | 0.312        | 0.187        | 0.062        | 30 (850)            | Lever    | 2.50                 | QC .250"      | 297-F                 |
| 35-3900         | 35-3900-BU    | 8        | 15         |              |              | 1/8        | 1/4        | 0.016        | 0.005        | 0.002        | 12.3 (350)          | PP       |                      | Sc            | 297-G                 |
| 35-3901         | 35-3901-BU    | 8        | 15         | 1/2          | 1/4          |            |            | 0.016        | 0.005        | 0.002        | 12.3 (350)          | PP       |                      | Sc            | 297-G                 |
| 35-3907         | 35-3907-BU    | 9        | 15         |              |              |            |            | 0.158        | 0.063        | 0.002        | 5.3 (151)           | LRO      | 1.783                | Sc            | 297-O                 |
| 35-3910         | 35-3910-BU    | 10       | 20         | 1/2          | 1/4          | 1          | 2          | 0.028        | 0.140        | 0.008        | 22.9 (650)          | RP       |                      | Sc            | 297-I                 |
| 35-3911         | 35-3911-BU    | 10       | 15         |              |              |            |            | 0.016        | 0.140        | 0.002        | 12.3 (349)          | RP       |                      | Sc            | 297-I                 |
| 35-828          | 35-828-BU     | 11       | 20         | 1/2          | 1/4          | 1          | 2          | 0.156        | 0.062        | 0.050        | 5-13 (142-370)      | LL       | 1.95                 | Sc            | 297-H                 |
| 35-829          | 35-829-BU     | 11       | 15         | 1/2          | 1/4          | 1          | 2          | 0.156        | 0.062        | 0.050        | 5-13 (142-370)      | LL       | 1.97                 | Sd            | 297-H                 |
| 35-890          | 35-890-BU     | 12       | 20         | 1/2          | 1/4          |            |            | 0.380        | 0.190        | 0.156        | 3.5-26 (100-740)    | Lever    | 2.50                 | Sc            | 297-J                 |
| 35-892          | 35-892-BU     | 13       | 20         | 1/2          | 1/4          | 1          | 2          | 0.020        | 0.055        | 0.002        | 12.3 (350)          | SP       |                      | Sd/Sc         | 297-K&L               |
| 35-894          | 35-894-BU     | 14       | 20         | 1/2          | 1/4          | 1          | 2          | 0.020        | 0.005        | 0.002        | 12.3 (350)          | PP       |                      | Sd/Sc         | 297-L                 |
| 35-896          | 35-896-BU     | 15       | 20         | 1/2          | 1/4          | 1          | 2          | 0.020        | 0.063        | 0.002        | 12.3 (350)          | PI w/OT  |                      | Sd/Sc         | 297-M                 |
| 35-980          | 35-980-BU     | 14       | 20         | 1/2          | 1/4          |            |            | 0.030        | 0.005        | 0.005        | 26 (740)            | PP       |                      | Sd/Sc         | 297-L                 |
| 35-982          | 35-982-BU     | 15       | 20         | 1/2          | 1/4          |            |            | 0.030        | 0.220        | 0.005        | 26 (740)            | PI       |                      | Sd/Sc         | 297-M                 |
| 35-984          | 35-984-BU     | 12       | 20         | 1/2          | 1/4          |            |            | 0.380        | 0.190        | 0.047        | 2.5-9 (60-255)      | Lever    | 2.50                 | Sd/Sc         | 297-J                 |
| 35-987          | 35-987-BU     | 16       | 20         | 1/2          | 1/4          | 1/2        | 1          | 0.468        | 0.062        | 0.085        | 3.5 (100)           | Ro       | 1.91                 | Sc            | 297-N                 |
| 35-3903         | 35-3903-BU    | 13       | 20         | 1/2          | 1/4          | 3/4        | 1 1/2      | 0.020        | 0.055        | 0.002        | 12.3 (350)          | SP       |                      | Sc            | 297-K                 |
| 35-3904         | 35-3904-BU    | 17       | 20         | 1/2          | 1/4          | 1/2        | 1          | 0.158        | 0.062        | 0.050        | 5.3 (150)           | LL       | 1.95                 | Sc            | 297-H                 |
| 35-3906         | 35-3906-BU    | 16       | 20         | 1/2          | 1/4          | 1          | 2          | 0.156        | 0.062        | 0.050        | 5-13 (142-370)      | LRO      | 1.78                 | Sc            | 297-O                 |

Notes: All of the above have momentary action

\*DPDT

\*\*125/250VAC

All have SPDT, but 35-990 & 35-992

DT=Differential Travel

HP=Horse Power

HRO=Hinged Roller

LRO=Leaf Rollers

LL=Leaf Lever

OF=Operating Force

OT=Over Travel

Pb=Pushbuttons

PI=Plunger

PT=Pre-Travel

QC=Quick Connect

RP=Roller Plunger

Sc=Screw

Sd=Solder

ShRo=Short Roller

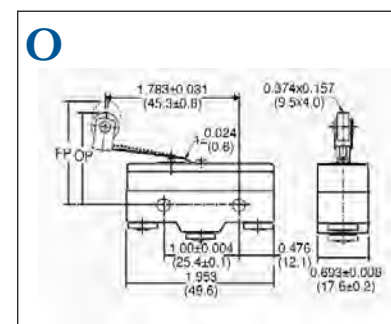
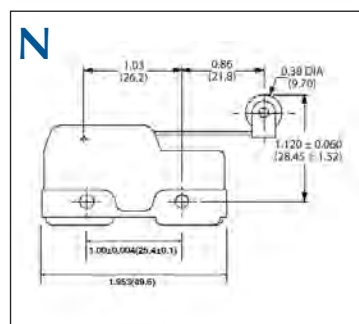
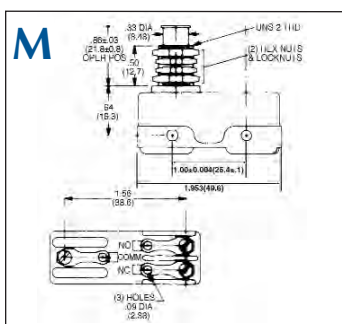
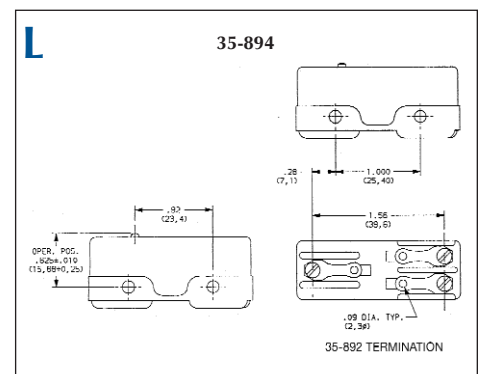
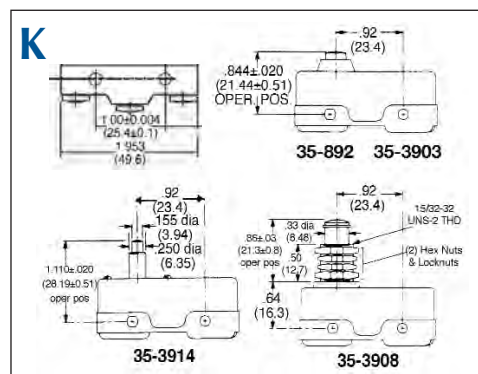
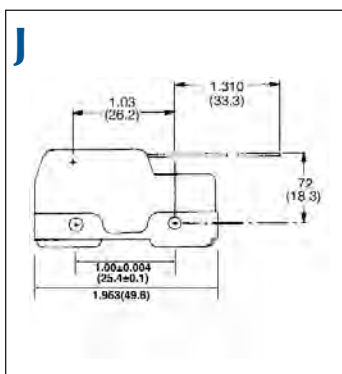
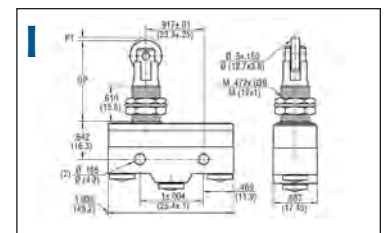
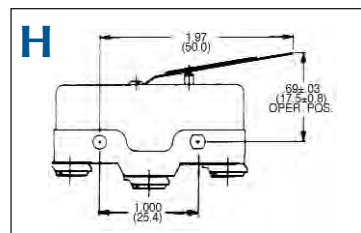
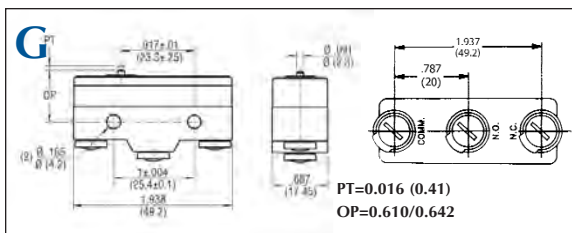
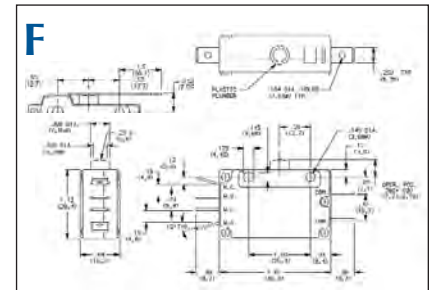
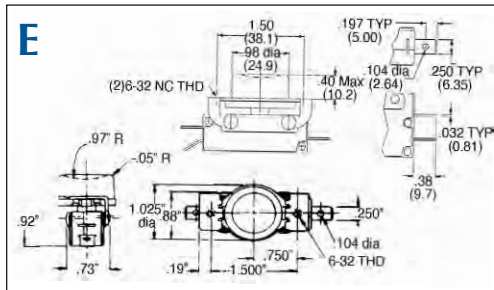
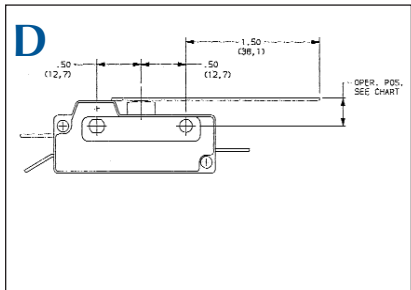
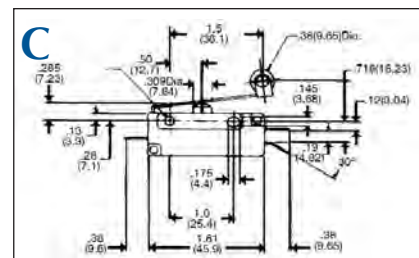
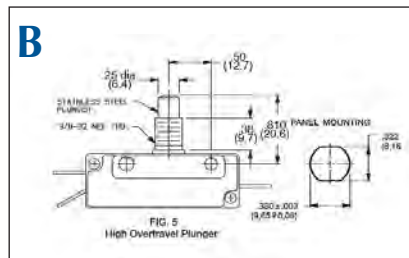
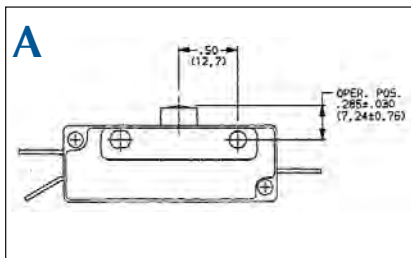
SP=Stub Plunger

PP=Pin Plunger

Ro=Roller

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

## GENERAL PURPOSE SNAP ACTION (Cont.)



## GENERAL PURPOSE SNAP ACTION (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

| Retail Part No. | Bulk Part No. | Fig. No. | Amps **VAC | Amps 125 VDC | Amps 250 VDC | HP 125 VAC | HP 250 VAC | PT Max. (In) | OT Min. (In) | DT Max. (In) | OF Max. Oz. (grams) | Actuator    | Actuator Length (In) | Terminal Type | Spec Drawing Page No. |
|-----------------|---------------|----------|------------|--------------|--------------|------------|------------|--------------|--------------|--------------|---------------------|-------------|----------------------|---------------|-----------------------|
| 35-3908         | 35-3908-BU    | 1        | 20         | 1/2          | 1/4          | 3/4        | 1-1/2      | 0.025        | 0.22         | 0.002        | 20 (567)            | High OT Pl  |                      | Sc            | 299-A                 |
| 35-3914         | 35-3914-BU    | 2        | 20         | 1/2          | 1/4          | 3/4        | 1-1/2      | 0.020        | 0.062        | 0.002        | 13 (368)            | Small OT Pl |                      | Sc            | 299-A                 |
| 35-3916         | 35-3916-BU    | 3        | 20         | 1/2          | 1/4          | 3/4        | 1-1/2      | 0.380        | 0.190        | 0.078        | 2.5-18 (71-510)     | Lever       | 2.34                 | Sc            | 299-B                 |
| 35-3920         | 35-3920-BU    | 4        | 20         | 1/2          | 1/4          | 3/4        | 1 1/2      | 0.080        | 0.090        | 0.008        | 10-13 (284-370)     | RARO        | 0.65                 | Sd/Sc         | 299-C                 |
| 35-3921         | 35-3921-BU    | 4        | 20         | 1/2          | 1/4          | N/R        | N/R        | 0.080        | 0.090        | 0.008        | 10-13 (284-370)     | RARO        | 0.65                 | Sd/Sc         | 299-C                 |
| 35-3922         | 35-3922-BU    | 5        | 20         | 1/2          | 1/4          | 1/2        | 1          |              | 0.094        | 0.020        | 18 (510)            | HRo         | 0.91                 | Sc            | 299-D                 |

Notes: All of the above have momentary action  
 \*\*125/250/480VAC  
 All have SPDT

DT=Differential Travel  
 HP=Horse Power  
 HRo=Hinged Roller  
 LRo=Leaf Rollers  
 LL=Leaf Lever

OF=Operating Force  
 OT=Over Travel  
 Pb=Pushbuttons  
 Pl.=Plunger

PT=Pre-Travel  
 QC=Quick Connect  
 RP=Roller Plunger  
 Sc=Screw  
 RARO=Reverse Action Roller

Sd=Solder  
 SP=Stub Plunger  
 PP=Pin Plunger  
 Ro=Roller

## KEYLOCK SWITCHES



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

| Retail Part No. | Bulk Part No. | Fig. No. | Poles/Throws | Amps 125 VAC | Action     | Index | Lock Type             | Key Removal | Actuator          | Terminal Type | Mounting Hole (In) | Hardware | Spec Drawing Page No. |
|-----------------|---------------|----------|--------------|--------------|------------|-------|-----------------------|-------------|-------------------|---------------|--------------------|----------|-----------------------|
| 35-196          | 35-196-BU     | 6        | SPST         | 2.5*         | On/Off     | 90°   | 5 disk tumbler        | 2 Pos.      | Metal Key††       | Sc            | 0.875              | ***      | 299-E                 |
| 35-3190         | 35-3190-BU    | 7        | SPDT         | 4            | On/On      | 90°   | 4 tumbler w/detent    | 2 Pos.      | Metal Key†        | Sd Lug        | 0.760 x 0.640      | N, 2Keys | 299-G                 |
| 35-3192         | 35-3192-BU    | 7        | DPDT         | 4            | On/On      | 90°   | 4 tumbler w/detent    | 2 Pos.      | Metal Key†        | Sd Lug        | 0.760              | N, 2Keys | 299-G                 |
| 35-3193         | 35-3193-BU    | 8        | SPDT         | 4            | On/On      | 90°   | 6 tumbler w/tube lock | 2 Pos.      | Metal Barrel Key† | 6" WL         | 0.760 x 0.640      | N, 2Keys | 299-H                 |
| 35-3194         | 35-3194-BU    | 8        | SPDT         | 4            | On/On      | 90°   | 6 tumbler w/tube lock | 1 Pos.      | Metal Barrel Key† | 6" WL         | 0.760 x 0.640      | N, 2Keys | 299-H                 |
| 35-3195         | 35-3195-BU    | 9        | SPDT         | 4            | On(On)     | 45°   | 4 tumbler             | 1 Pos.      | Metal Key†        | 6" WL         | 0.760 x 0.640      | N, 2Keys | 299-F                 |
| 35-3197         | 35-3197-BU    | 10       | SP3T         | 4            | **         | 45°   | 4 tumbler             | 1 Pos.      | Metal Key†        | Sd Lug        | 0.760 x 0.640      | N, 2Keys | 299-G                 |
| 35-3482         |               | 11       | SPDT         | ****         | Off/On(On) | 90°   | 5 tumbler             | 1 Pos.      | Metal Key†        | Sc            | 0.844              | N, 2Keys | 299-I                 |

Notes: \*Rated @ 2.5Amps 120VAC (480V.A.)  
 \*\*SP-3 pos. On1 - Off - On2  
 \*\*\*Nut, 2 Screws, Ring, and 2 Keys  
 35-196 is rated @ 2.5A @120VAC (480V.A.),  
 2.1amps @46VDC (96V.A.), all of the rest are rated  
 @ 2A @250VAC/4A @ 28VDC, except 35-3482  
 \*\*\*\*35-3482 is rated @ 15A 6-12VDC-2 Position SPDT

**Keys(2) included in Hardware**  
 N=Nut  
 Pos.=Positions  
 Sc=Screw  
 Sd=Solder  
 WL=Wire Leads  
 †=All keyed alike per figure

††=For 35-196 switches all keyed alike order:  
 Key#530=35-530-BU  
 Key#531=35-531-BU  
 Key#540=35-540-BU  
 Key#541=35-541-BU  
 Key#550=35-550-BU  
 Key#553=35-553-BU

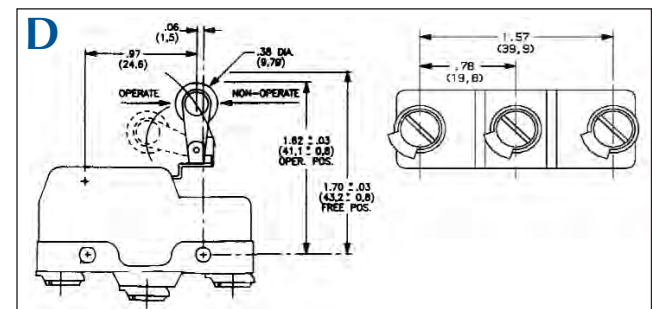
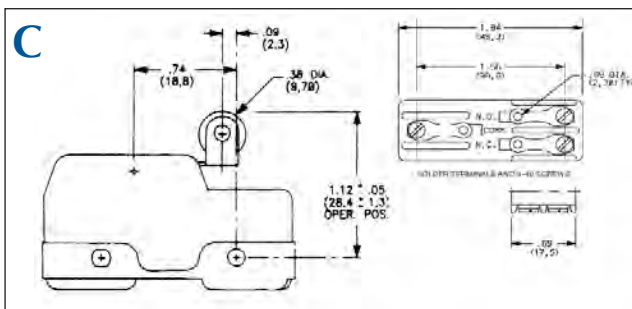
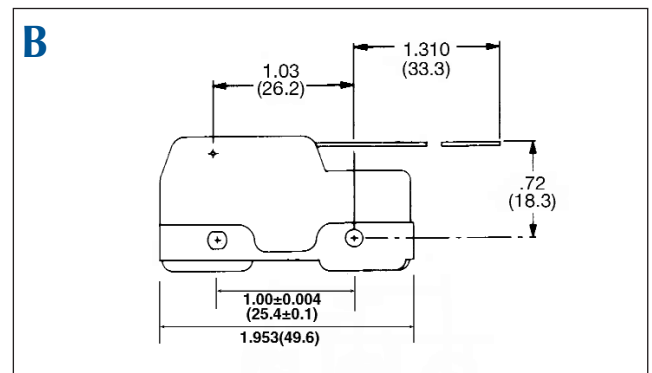
#1110801 Keys for 35-3193 & 35-3194

#115140126 Keys for 35-3190, 35-3192, 35-3195 & 35-3197

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



**GC** THE **ELECTRONICS**



Technical drawings of the Rod Head Cam Lock. The top drawing shows a side view with dimensions: 1.68 (42.8) for the total length, .75 (19) for the cam length, .906 (23) for the cam diameter, .03 (76) for the cam thickness, and 3/4-24 THD for the cam thread. The bottom drawing shows a front view with dimensions: 1.25 (31.7) for the total width, .625 (15.8) for the cam width, and .875 (22.2) for the cam height. The side view also shows dimensions A and B for the cam length and the cam diameter respectively.

