

## SPECIFICATIONS AND ORDERING INFORMATION

**21.97 mm WIDE      0.25 AMP @ 28 VDC**

The C1 Series is our smallest enclosed rotary switch, offering index angles of 30°, 60°, and 90°. Standard designs utilize solder lug or vertical PC terminals and diallyl phthalate insulation.



## SPECIFICATIONS

## ELECTRICAL

**Current and Voltage Rating:** Make and break resistive load 0.25 amp @ 28 VDC; 0.1 amp @ 125 VAC.

**Current Carrying Capacity:** 6 amps.

**Dielectric Strength:** 600 VAC between current carrying parts and ground.

**Contact Resistance:** Average initial 5 milliohms.

**Insulation Resistance:** In excess of 10,000 megohms.

## MECHANICAL

**Materials and Finishes:** All parts utilize non-corrosive materials as standard.

**Terminals and Contacts:** Brass with silver plate as standard.

**Insulation:** Diallyl phthalate.

**Index:** Dual-ball, hill and valley.

**Index Life:** 25,000 cycles minimum.

**Index Torque:** Switches have lowest practical torque consistent with crisp detenting and smooth, reliable operation.

**Index Angles:** 30° standard, 60°, and 90° available.

**Index Stops:** Fixed standard, adjustable, or continuous available.

**Stop Strength:** 0.9 Nm minimum.

## STANDARD PART NUMBER

### SOLDER LUG - ADJUSTABLE STOPS

SWITCHES - 30° INDEXING - STOPS SET @ 2 POS.

| POLES | ACTIVE POSITIONS | POLES/ DECK | NO. OF DECKS | SHORTING     | NON-SHORTING | FIG. ★ |
|-------|------------------|-------------|--------------|--------------|--------------|--------|
| 01    | 02-12            | 1           | 1            | C1D0112S - A | C1D0112N - A | CA     |
| 02    | 02-12            | 1           | 2            | C1D0212S - A | C1D0212N - A | CA     |
| 02    | 02-06            | 2           | 1            | C1D0206S - A | C1D0206N - A | CH     |
| 03    | 02-12            | 1           | 3            | C1D0312S - A | C1D0312N - A | CA     |
| 03    | 02-04            | 3           | 1            | C1D0304S - A | C1D0304N - A | CK     |
| 04    | 02-06            | 2           | 2            | C1D0406S - A | C1D0406N - A | CH     |
| 06    | 02-04            | 3           | 2            | C1D0604S - A | C1D0604N - A | CK     |
| 06    | 02-06            | 2           | 3            | C1D0606S - A | C1D0606N - A | CH     |

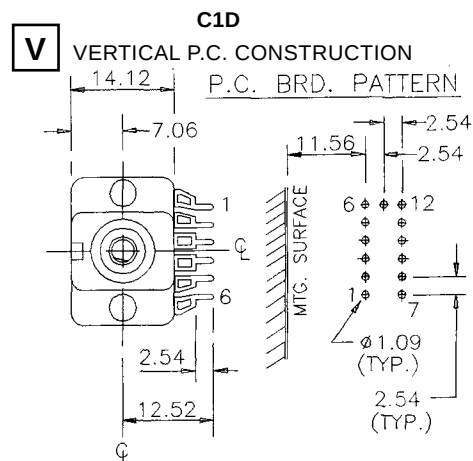
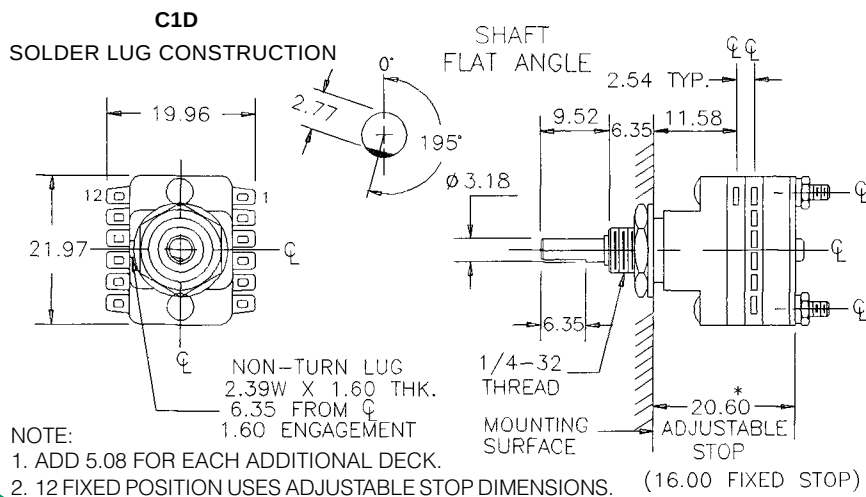
### VERTICAL P.C. TERMINALS - ADJUSTABLE STOPS

SWITCHES - 30° INDEXING - STOPS SET @ 2 POS.

| POLES | ACTIVE POSITIONS | POLES/ DECK | NO. OF DECKS | SHORTING      | NON-SHORTING  | FIG. ★ |
|-------|------------------|-------------|--------------|---------------|---------------|--------|
| 01    | 02-06            | 1           | 1            | C1D0106S - VA | C1D0106N - VA | CB     |
| 01    | 02-12            | 1           | 1            | C1D0112S - VA | C1D0112N - VA | CC     |
| 02    | 02-06            | 1           | 2            | C1D0206S - VA | C1D0206N - VA | CB     |
| 02    | 02-12            | 1           | 2            | C1D0212S - VA | C1D0212N - VA | CC     |
| 03    | 02-06            | 1           | 3            | C1D0306S - VA | C1D0306N - VA | CB     |
| 03    | 02-12            | 1           | 3            | C1D0312S - VA | C1D0312N - VA | CC     |
| 04    | 02-06            | 1           | 4            | C1D0406S - VA | C1D0406N - VA | CB     |
| 04    | 02-12            | 1           | 4            | C1D0412S - VA | C1D0412N - VA | CC     |

\* FIGURES ARE SHOWN ON PAGE 55.

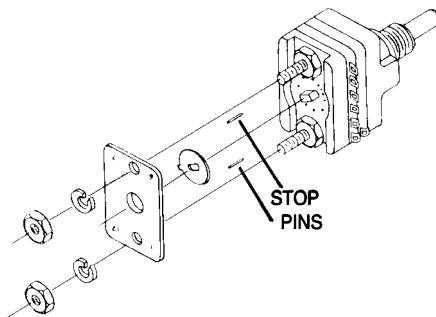
## DIMENSIONS



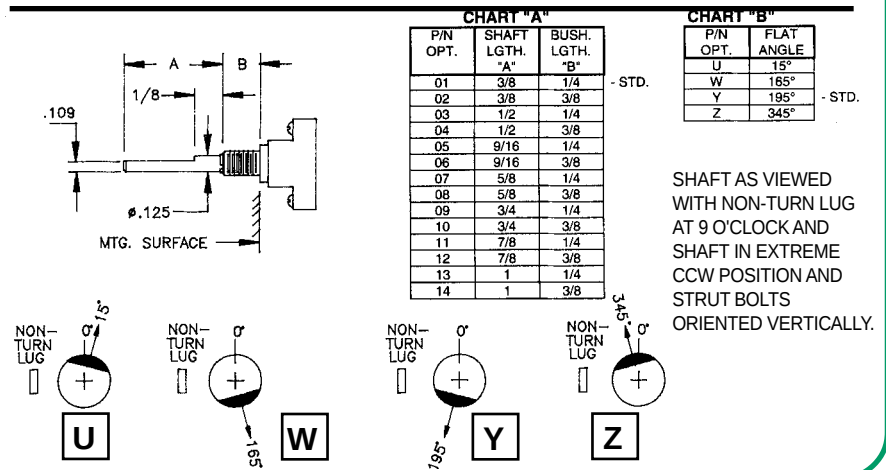
## How to Order Additional Options:

| 2 DIGIT SERIES                                        | INSULATION TYPE | TOTAL POLES          | ACTIVE POSITIONS                                   | CONTACT TYPE                     | TERMINAL TYPE                    | INDEX ANGLE          | STOP TYPE                          | SHAFT/ BUSHING       | SHAFT FLAT           |
|-------------------------------------------------------|-----------------|----------------------|----------------------------------------------------|----------------------------------|----------------------------------|----------------------|------------------------------------|----------------------|----------------------|
| C1                                                    | D - DIALLYL     | 01 - MIN.            | 12 - MAX @ 30°<br>06 - MAX @ 60°<br>04 - MAX @ 90° | N - NON-SHORTING<br>S - SHORTING | L - SOLDER LUG<br>V - VERT. P.C. | 30°<br>60°<br>90°    | F - FIXED<br>C - CONT.<br>A - ADJ. | SEE CHART "A"        | SEE CHART "B"        |
| CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS |                 |                      |                                                    |                                  | ADDITIONAL OPTIONS               |                      |                                    |                      |                      |
| <b>C</b> <b>1</b>                                     | <b>D</b>        | <input type="text"/> | <input type="text"/>                               | <input type="text"/>             | <input type="text"/>             | <input type="text"/> | <input type="text"/>               | <input type="text"/> | <input type="text"/> |
|                                                       |                 | (SPECIFY)            | (SPECIFY)                                          | (SPECIFY)                        | (SPECIFY)                        | (SPECIFY)            | (SPECIFY)                          | (SPECIFY)            | (SPECIFY)            |

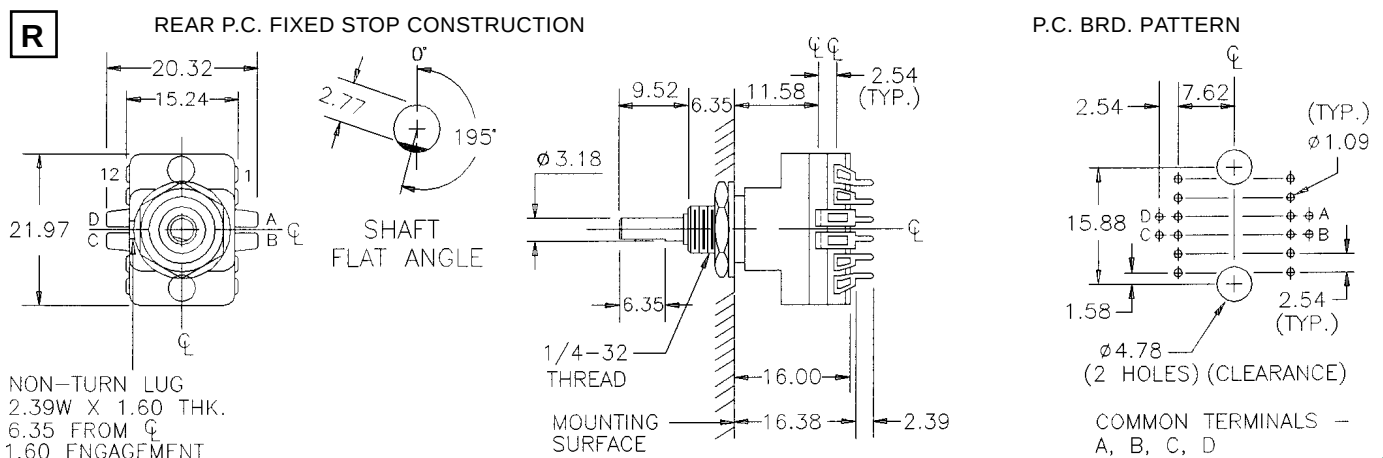
### ADJUSTABLE STOP MECHANISM



### SHAFT, BUSHING, AND FLAT OPTIONS



### PRINTED CIRCUIT BOARD TERMINAL OPTIONS



CUSTOM SWITCHES ARE AVAILABLE. CONTACT THE FACTORY WITH YOUR COMPLETE SPECIFICATIONS.