

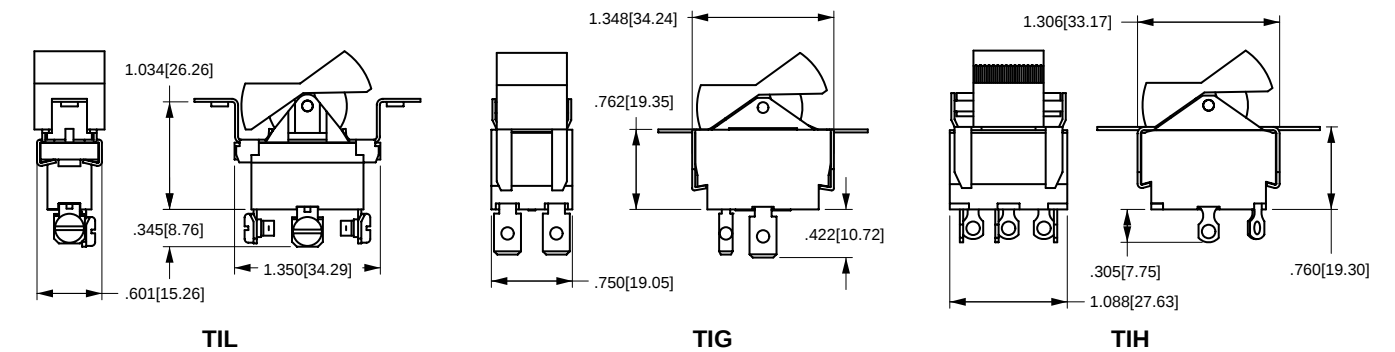
TIL, TIG, TIH, TII-Series



The TI-Series Tippet rocker switches are available in single pole (TIL), double pole (TIG), three pole (TIH) and four pole (TII) versions. These switches are available with nylon snap-in or screw-type mounting brackets, are AC rated to 20 amps and suitable for low voltage DC applications. Multiple actuator options and colors are available, and many circuits have international approvals.

- Specifications**
- Certifications\*: UL, CSA, and VDE
  - Dielectric Strength: 1,000 V (minimum)
  - Insulation Resistance: 100 Megohms (minimum)
  - Base Material: Phenolic
  - Actuator Material: Nylon
  - Bracket/Bezel Material: Nylon or Steel
- \* Due to ongoing technological advances, consult factory for certification specifics.

Dimensional Specifications: in. [mm]



| TIG                  |             | K                | 5 | 1                   | -                 | 6S                          | -               | BL                          | -                          | NBL           |           |          |
|----------------------|-------------|------------------|---|---------------------|-------------------|-----------------------------|-----------------|-----------------------------|----------------------------|---------------|-----------|----------|
| SERIES               |             | CIRCUIT          |   | RATING <sup>1</sup> |                   | ACTUATOR STYLE <sup>2</sup> |                 | ACTUATOR COLOR <sup>3</sup> |                            |               |           |          |
| TIL                  | SINGLE POLE | SINGLE POLE      |   | 5                   | 10A 250VAC        |                             | 1C              | CROSS SERRATED              | BL                         | BLACK         |           |          |
| TIG                  | DOUBLE POLE | A ON-NONE-OFF    |   |                     | 15A 125VAC        |                             | 1F              | SMOOTH W/                   | WH                         | WHITE         |           |          |
| TIH                  | THREE POLE  | B ON-NONE-ON     |   |                     | 3/4HP 125-250VAC  |                             |                 | FLATTED CENTER              |                            |               |           |          |
| TII                  | FOUR POLE   | C ON-OFF-ON      |   | 6                   | 3A 250VAC         |                             | 1L              | LONG LINED                  | BRACKET STYLE <sup>4</sup> |               |           |          |
|                      |             |                  |   |                     | 6A 125VAC         |                             | 1S              | SMOOTH ANGLED               |                            |               |           |          |
|                      |             | DOUBLE, THREE OR |   |                     | 1/4HP 125-250VAC  |                             | 2L              | LONG NARROW                 | A                          |               |           |          |
|                      |             | FOUR POLE        |   | 9                   | 10A 250VAC        |                             |                 | SMOOTH                      | B                          |               |           |          |
|                      |             | K ON-NONE-OFF    |   |                     | 15A 125VAC        |                             | 6M <sup>5</sup> | MATTE CURVED                | C                          |               |           |          |
|                      |             | L ON-NONE-ON     |   |                     | 12(6)A 250VAC T85 |                             |                 | (M, N OR W                  | H                          |               |           |          |
|                      |             | M ON-OFF-ON      |   | 72                  | 20A 125-277VAC    |                             |                 | BRACKETS ONLY)              | FN                         | NARROW        |           |          |
|                      |             |                  |   |                     | 1 1/2HP 125VAC    |                             | 6S              | SMOOTH CURVED               | FW                         | WIDE          |           |          |
|                      |             |                  |   |                     | 2HP 250VAC        |                             |                 | (M, N OR W                  | MBL                        | MARINE        |           |          |
|                      |             |                  |   |                     |                   |                             |                 | BRACKETS ONLY)              | NBL                        |               |           |          |
|                      |             |                  |   |                     |                   |                             | 7N              | WITCHES HAT                 | WBL                        | WATERSHEDDING |           |          |
|                      |             |                  |   |                     |                   |                             |                 | (NARROW)                    |                            |               |           |          |
|                      |             |                  |   |                     |                   |                             | 7P              | WITCHES HAT                 |                            |               |           |          |
|                      |             |                  |   |                     |                   |                             | 7S              | TOGGLE                      |                            |               |           |          |
| TERMINATION/FUNCTION |             |                  |   |                     |                   |                             |                 |                             |                            |               |           |          |
|                      |             | FUNCTION         |   | SOLDER LUG          |                   | .250 TAB (QC)               |                 | .187 TAB (QC)               |                            | SCREW TERM.   | WIRE LEAD | PC TERM. |
|                      |             | ON-NONE-OFF      |   | 0                   |                   | 1                           |                 | 3                           |                            | 4             | 5         | 6        |
|                      |             | (ON)-NONE-OFF    |   | A                   |                   | B                           |                 | D                           |                            | E             | F         | G        |
|                      |             | ON-NONE-(OFF)    |   | L                   |                   | M                           |                 | R                           |                            | S             | T         | U        |
|                      |             | ON-NONE-ON       |   | 0                   |                   | 1                           |                 | 3                           |                            | 4             | 5         | 6        |
|                      |             | ON-NONE-(ON)     |   | A                   |                   | B                           |                 | D                           |                            | E             | F         | G        |
|                      |             | ON-OFF-ON        |   | 0                   |                   | 1                           |                 | 3                           |                            | 4             | 5         | 6        |
|                      |             | ON-OFF-(ON)      |   | A                   |                   | B                           |                 | D                           |                            | E             | F         | G        |
|                      |             | (ON)-OFF-(ON)    |   | L                   |                   | M                           |                 | R                           |                            | S             | T         | U        |

NOTES:

Shading indicates standard configurations.

Dust covers for single and double pole are available, consult factory.

Panel Cut-Out Recommendations: For sheet metal panels, switch must enter panel in same direction as the punch. (Burr on bottom.) Test cut hole in actual material.

1 Horsepower rating for code 5 is applicable to certain circuits only. Consult factory for specifics.

Rating Code 9 for TIG-Series only with maintained A, B, K, L and M Circuits, and N Bracket Style, terminals 0 or 1 only.

Rating Code 72 for TIG-Series only, in maintained circuits, with N or W Bracket Style only.

2 For double actuator with or without interlock or other actuator styles,consult factory.

Imprinting available on smooth face rockers.

3 Glossy finish is standard. Custom colors are available. Consult factory.

4 Barbs are available on FN style bracket to accommodate panel thicknesses of .062, .100, .125, .156 and .250. Specify after bracket selection. (ex.) FN/125

MBL, NBL & WBL brackets are molded in black. If white is desired, specify as MWH, NWH & WWH.

Bracket Styles D, E and G available. Consult factory.

Bracket Style M consists of LNP rocker, neoprene seal, syntech grease, dummy rivets. M, N and W brackets supplied in two pole bases.

MBL does not have UL, CSA approvals.

Bracket style H available with actuator styles 7N and 7P only.

Actuator & Bracket Finish is a matched set.

## Special Circuits for Tippette Rocker Switches

| CIRCUIT                            | POSITION 1         | POSITION 2       | POSITION 3   |
|------------------------------------|--------------------|------------------|--------------|
| PROGRESSIVE TWO CIRCUIT            |                    |                  |              |
| GG                                 | BOTH CIRCUITS ON   | ONE CIRCUIT ON   | OFF          |
| GG                                 | BOTH CIRCUITS (ON) | ONE CIRCUIT ON   | OFF          |
| SINGLE POLE TRIPLE THROW           |                    |                  |              |
| GE                                 | ON                 | ON               | ON           |
| TWO CIRCUIT                        |                    |                  |              |
| GH                                 | CIRCUIT 1 ON       | BOTH CIRCUITS ON | CIRCUIT 2 ON |
| GP                                 | CIRCUIT 2 ON       | CIRCUIT 1 ON     | OFF          |
| REVERSING DOUBLE POLE DOUBLE THROW |                    |                  |              |
| GO                                 | ON                 | OFF              | ON           |
| GX                                 | ON                 | NONE             | ON           |



TII

|                   |                 |                 |
|-------------------|-----------------|-----------------|
|                   |                 |                 |
| SOLDER LUG        | .250 TAB (Q.C.) | .187 TAB (Q.C.) |
| TERMINAL TYPE     |                 |                 |
|                   |                 |                 |
| SCREW (ASSEMBLED) | WIRE LEAD       | PRINTED CIRCUIT |

## Actuator Styles/Dimensions: in. [mm]



1L

TIL, TIG, TIH, TII



1C

TIL, TIG, TIH, TII



1S

TIL, TIG, TIH, TII



1F

TIG, TII



2L

TIL, TIG, TIH, TII



6S

TIG



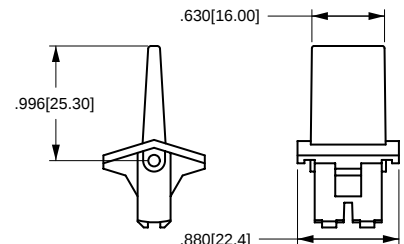
7S

TIG



7N

TIG



7P

TIG

NOTES:  
Additional momentary circuits are available. Consult factory for details.

## Bracket Dimensions: in. [mm]



**TAPPED HOLE**

Standard with  
A & B Brackets



**CLEARANCE HOLE**

Standard with  
C Bracket



**MOUNTING HOLE**

(Nylon Snap-in Brackets)

Panel Thickness:

.030 min. - .250 max.

\* Angled corners are suggested for optimum fit. Standard rectangular cutout is acceptable.

| TIL | TIG | TII | TIH |
|-----|-----|-----|-----|
|     |     |     |     |
|     |     |     |     |
|     |     |     |     |
|     |     |     |     |



**FN**

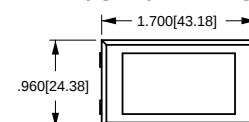
TIL, TIG, TIH, TII  
METAL, SNAP-IN



**FW**

TIL, TIG, TIH, TII  
METAL, SNAP-IN

## MARINE / STD / WATERSHEDDING



**MBL, NBL, WBL**

TIG  
BLACK NYLON, SNAP-IN

## NOTES

Double brackets supplied on TII-Series when B style bracket is specified. Consult factory for dimensional information.

\* Available in both clearance and tapped hole options. Please specify when ordering.