

TIL, TIG, TIH, TII-Series



The TI-Series Tippette 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]



| SERIES |             | CIRCUIT       | RATING <sup>1</sup> |                   | ACTUATOR STYLE <sup>2</sup> | ACTUATOR COLOR <sup>3</sup> |
|--------|-------------|---------------|---------------------|-------------------|-----------------------------|-----------------------------|
| TIG    |             |               |                     |                   |                             |                             |
| K      |             |               |                     |                   |                             |                             |
| 5      |             |               |                     |                   |                             |                             |
| 1      |             |               |                     |                   |                             |                             |
| -      |             |               |                     |                   |                             |                             |
| 6S     |             |               |                     |                   |                             |                             |
| -      |             |               |                     |                   |                             |                             |
| BL     |             |               |                     |                   |                             |                             |
| -      |             |               |                     |                   |                             |                             |
| NBL    |             |               |                     |                   |                             |                             |
| TIL    | SINGLE POLE | SINGLE POLE   | 5                   | 10A 250VAC        | 1C                          | BL BLACK                    |
| TIG    | DOUBLE POLE | A ON-NONE-OFF |                     | 15A 125VAC        | 1F                          | WH WHITE                    |
| TIH    | THREE POLE  | B ON-NONE-ON  |                     | 3/4HP 125-250VAC  | 1L                          |                             |
| TII    | FOUR POLE   | C ON-OFF-ON   | 6                   | 3A 250VAC         | 1S                          | BRACKET STYLE <sup>4</sup>  |
|        |             |               |                     | 6A 125VAC         | 2L                          |                             |
|        |             |               |                     | 1/4HP 125-250VAC  |                             | A                           |
|        |             |               |                     | 10A 250VAC        |                             | B                           |
|        |             |               |                     | 15A 125VAC        | 6M <sup>5</sup>             | C                           |
|        |             |               |                     | 12(6)A 250VAC T85 |                             | H                           |
|        |             |               |                     | 20A 125-277VAC    | 6S                          | FN NARROW                   |
|        |             |               |                     | 1 1/2HP 125VAC    |                             | FW WIDE                     |
|        |             |               |                     | 2HP 250VAC        | 7N                          | MBL MARINE                  |
|        |             |               |                     |                   |                             | NBL                         |
|        |             |               |                     |                   |                             | WBL WATERSHEDDING           |
|        |             |               |                     |                   | 7P                          |                             |
|        |             |               |                     |                   | 7S                          |                             |

- 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.
- 5 Actuator & Bracket Finish is a matched set.

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        |

## 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



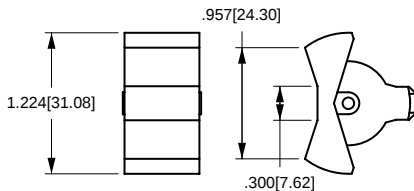
1C

TIL, TIG, TIH, TII



1S

TIL, TIG, TIH, TII



1F

TIG, TII



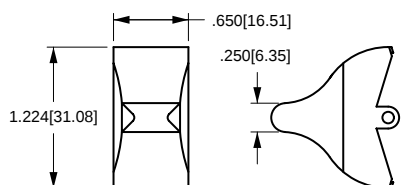
2L

TIL, TIG, TIH, TII



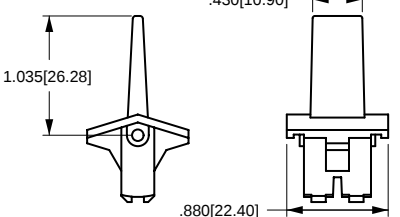
6S

TIG



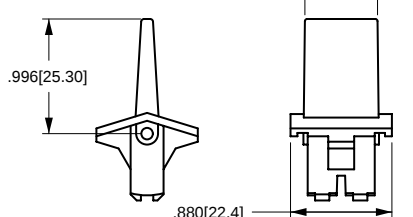
7S

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.