

## Interactive Catalog Supplements Catalog PDFs

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The **Interactive Catalog** provides an extensive collection of product specifications, application data, and technical literature that can be searched based on criteria you select.

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Sensing and Control  
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Sensing and Control  
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11 West Spring Street  
Freeport, IL 61032



# Manual Switches

## Rocker Button Switches

TP Series



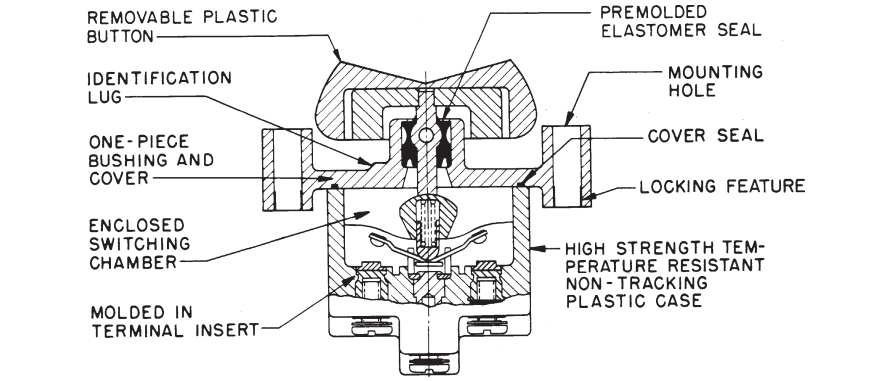
- FEATURES**
- 2 and 3 position pushbutton action
  - Various button colors
  - 1, 2, and 4 pole circuitry
  - Flush panel and above panel mounting
  - Temperature range is from -65°F to +160°F (-54°C to +71°C)
  - UL recognized, CSA certified
  - CE approved

**CONSTRUCTION**

Above panel mounting gives a distinct button appearance. Flush panel mounting presents a low button profile.

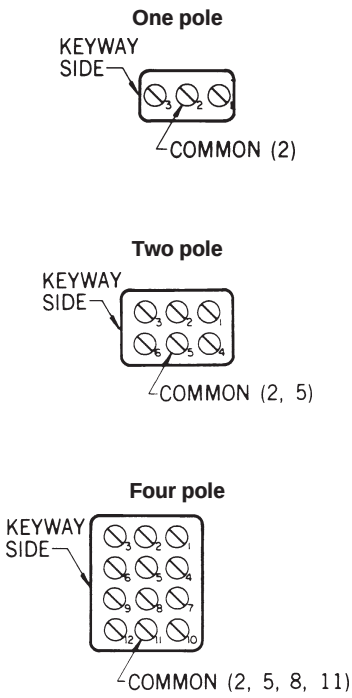
**TERMINAL CIRCUIT IDENTIFICATION**

Terminal identifications are referred to in the order guides to indicate which circuits are made in each toggle position (i.e., 1-2 indicates circuit closure through terminals 1 and 2).



| UL/CSA Rating Code | Electrical Rating                                                                |
|--------------------|----------------------------------------------------------------------------------|
| L192               | 10 amps-125, 250, 277 VAC; ¼ Hp-125 VAC; ½ Hp-250, 277 VAC<br>3 Amps-125 VAC "L" |
| L191               | 15 amps-125, 250, 277 VAC; ½ Hp-125 VAC; 1Hp-250, 277 VAC<br>5 amps-120 VAC "L"  |

**Application Note:** Honeywell MICRO SWITCH does *not* recommend the use of silver cadmium oxide switch contacts in non-arcing loads. Non-arcing loads are generally loads less than 12 volts and/or 0.5 amp. TP switches use silver cadmium oxide contacts. For other options, contact the MICRO SWITCH Application Center at 1-800-537-6945.



Toggle/Rockers

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Typical two-pole flush panel translucent button switch



Typical one-pole above panel transparent button switch

BUTTON OPTIONS

Buttons are removable and interchangeable. They measure .87" x 1.46" (22,1 x 37,1 mm).

Transparent (colorless plastic) buttons accept under-the-surface legend inserts for station and function identification. Legend inserts are not furnished. Insert legending can be done by your local supplier.

Translucent (white plastic) buttons have a clear appearance.

Colored (opaque plastic) buttons are excellent for color coding switch functions.

SWITCHES WITHOUT BUTTONS

To order switches without buttons, convert catalog listings shown in the order guides. Substitute TP7 for TP4 and TP16 above panel mounted switches; substitute TP8 for TP201 and TP12 flush panel mounted switches. Order buttons separately from the chart below.

BUTTON ORDER GUIDE

Table with 2 columns: Color, Catalog Listing. Rows include Translucent, Transparent, White\*, Yellow\*, Black\*, Green\*, Red\*, and Blue\* with corresponding catalog numbers like 12PA6, 12PA4, etc.

\* Opaque

2-POSITION ORDER GUIDE

Furnished with buttons.

Table with 9 columns: No. of Poles, Circuits Made with Button at: (Ident. Lug Position, Opposite Ident. Lug), UL/CSA Rating Code, Elec. Rating Code, and Catalog Listings (Flush Panel: Translucent Button, Transparent Button; Above Panel: Translucent Button, Transparent Button). Rows are categorized by number of poles (1, 2, 4).

\* These positions only are momentary. All others are maintained.

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3 - POSITION ORDER GUIDE
Furnished with buttons.

| No. of Poles | Circuits Made with Button at: |                        |                          | UL/CSA Rating Code | Elec. Rating Code | Catalog Listings   |                    |                    |                    |
|--------------|-------------------------------|------------------------|--------------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|
|              | Ident. Lug Position           | Center Position        | Opposite Lug Position    |                    |                   | Flush Panel        |                    | Above Panel        |                    |
|              |                               |                        |                          |                    |                   | Translucent Button | Transparent Button | Translucent Button | Transparent Button |
| 1            | 1-2                           | OFF                    | 2-3                      | L191               | 1                 | 1TP201-1           | 1TP12-1            | 1TP216-1           | 1TP4-1             |
|              | 1-2*                          | OFF                    | 2-3                      | L192               | 2                 | 1TP201-5           | 1TP12-5            | 1TP216-5           | 1TP4-5             |
|              | 1-2*                          | OFF                    | 2-3*                     | L192               | 2                 | 1TP201-7           | 1TP12-7            | 1TP216-7           | 1TP4-7             |
|              | NONE**                        | OFF                    | 2-3                      | L191               | 1                 | 1TP201-21          | 1TP12-21           | —                  | 1TP4-21            |
|              | NONE**                        | 1-2                    | 2-3                      | L191               | 1                 | 1TP201-31          | 1TP12-31           | —                  | 1TP4-31            |
|              | NONE**                        | 1-2                    | 2-3*                     | L192               | 2                 | 1TP201-51          | 1TP12-51           | 1TP216-51          | 1TP4-51            |
|              | 1-2*                          | OFF                    | NONE**                   | L192               | 2                 | 1TP201-61          | 1TP12-61           | 1TP216-61          | 1TP4-61            |
| 2            | 1-2, 4-5                      | OFF                    | 2-3, 5-6                 | L191               | 3                 | 2TP201-1           | 2TP12-1            | 2TP216-1           | 2TP4-1             |
|              | 1-2, 4-5*                     | OFF                    | 2-3, 5-6                 | L192               | 4                 | 2TP201-5           | 2TP12-5            | 2TP216-5           | 2TP4-5             |
|              | 1-2, 4-5*                     | OFF                    | 2-3, 5-6*                | L192               | 4                 | 2TP201-7           | 2TP12-7            | 2TP216-7           | 2TP4-7             |
|              | NONE**                        | OFF                    | 2-3, 5-6                 | L191               | 3                 | 2TP201-21          | 2TP12-21           | 2TP216-21          | 2TP4-21            |
|              | NONE**                        | 1-2, 4-5               | 2-3, 5-6                 | L191               | 3                 | 2TP201-31          | 2TP12-31           | 2TP216-31          | 2TP4-31            |
|              | NONE**                        | 1-2, 4-5               | 2-3, 5-6*                | L192               | 4                 | 2TP201-512         | 2TP12-512          | 2TP216-512         | 2TP4-512           |
|              | 1-2, 4-5*                     | OFF                    | NONE**                   | L192               | 4                 | 2TP201-61          | 2TP12-61           | 2TP216-61          | 2TP4-61            |
|              | 1-2, 4-5                      | 1-2, 5-6               | 2-3, 5-6                 | L191               | 3                 | 2TP201-10†         | 2TP12-10           | 2TP216-10          | 2TP4-10            |
|              | 1-2, 4-5*                     | 1-2, 5-6               | 2-3, 5-6                 | L192               | 4                 | 2TP201-50†         | 2TP12-50           | 2TP216-50          | 2TP4-50            |
|              | 1-2, 4-5*                     | 1-2, 5-6               | 2-3, 5-6*                | L192               | 4                 | 2TP201-70†         | 2TP12-70           | 2TP216-70          | 2TP4-70            |
| 4            | 1-2, 4-5, 7-8, 10-11          | OFF                    | 2-3, 5-6<br>8-9, 11-12   | L191               | 5                 | 4TP201-1           | 4TP12-1            | 4TP216-1           | 4TP4-1             |
|              | 1-2, 4-5<br>7-8, 10-11*       | OFF                    | 2-3, 5-6<br>8-9, 11-12   | L192               | 6                 | 4TP201-5           | 4TP12-5            | —                  | 4TP4-5             |
|              | 1-2, 4-5, 7-8, 10-11*         | OFF                    | 2-3, 5-6<br>8-9, 11-12*  | L192               | 6                 | 4TP201-7           | 4TP12-7            | 4TP216-7           | 4TP4-7             |
|              | NONE**                        | OFF                    | 2-3, 5-6,<br>8-9, 11-12  | L191               | 5                 | 4TP201-21          | 4TP12-21           | 4TP216-21          | 4TP4-21            |
|              | NONE**                        | 1-2, 4-5<br>7-8, 10-11 | 2-3, 5-6,<br>8-9, 11-12  | L191               | 5                 | 4TP201-31          | —                  | 4TP216-31          | 4TP4-31            |
|              | NONE**                        | 1-2, 4-5<br>7-8, 10-11 | 2-3, 5-6<br>8-9, 11-12*  | L192               | 6                 | 4TP201-51          | —                  | 4TP216-51          | 4TP4-51            |
|              | 1-2, 4-5, 7-8, 10-11*         | OFF                    | NONE**                   | L192               | 6                 | 4TP201-61          | 4TP12-61           | 4TP216-61          | 4TP4-61            |
|              | 1-2, 4-5, 7-8, 10-11          | 2-3, 4-5               | 2-3, 5-6,<br>8-9, 11-12  | L191               | 5                 | 4TP201-10†         | 4TP12-10           | —                  | 4TP4-10            |
|              | 1-2, 4-5, 7-8, 10-11*         | 2-3, 4-5<br>7-8, 11-12 | 2-3, 5-6,<br>8-9, 11-12  | L192               | 6                 | 4TP201-50†         | 4TP12-50           | 4TP216-50          | 4TP4-50            |
|              | 1-2, 4-5, 7-8, 10-11*         | 2-3, 4-5               | 2-3, 5-6,<br>8-9, 11-12* | L192               | 6                 | 4TP201-70†         | 4TP12-70           | 4TP216-70          | 4TP4-70            |

\*These positions only are momentary. All others are maintained.
\*\*Operator is blocked from these positions. Switch becomes two position, with center being one extreme position.
† Special on-on-on circuitry. See page 123.

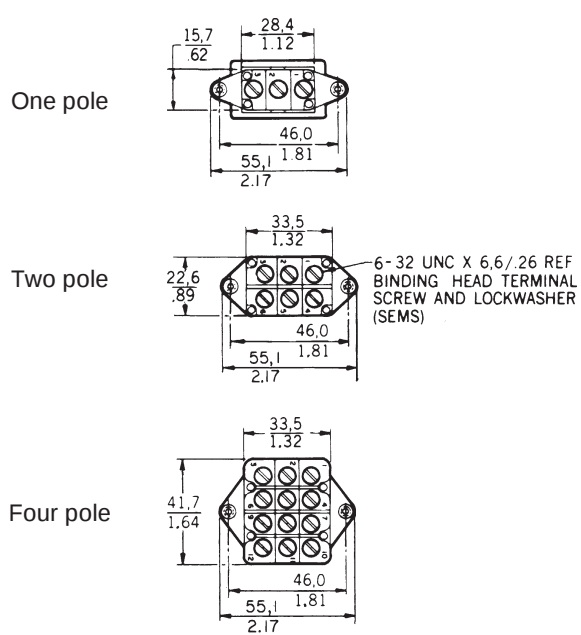
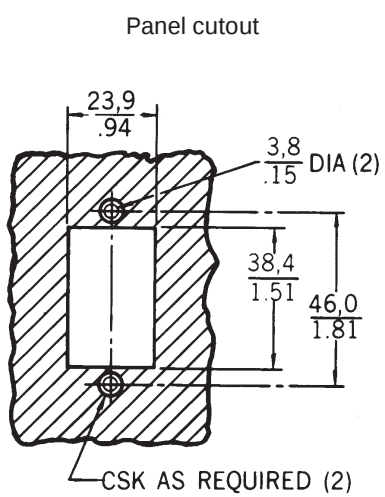
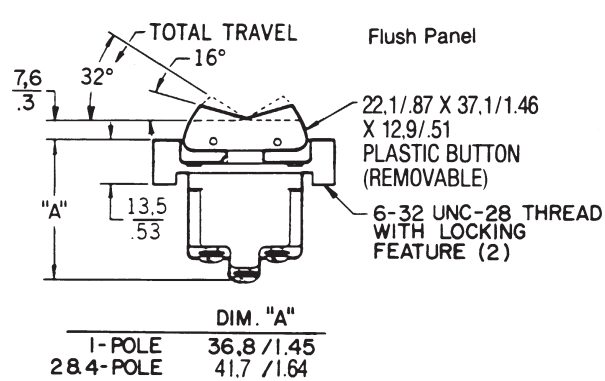
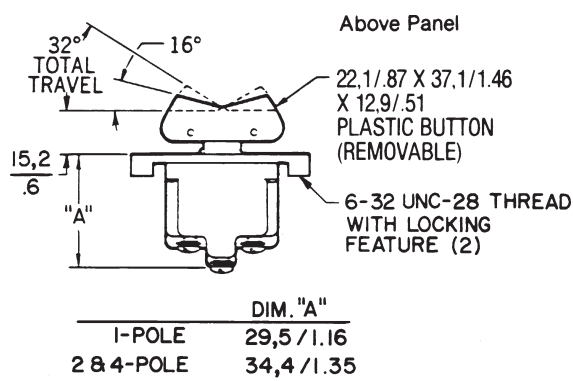
Toggle/Rockers

# Manual Switches

## Rocker Button Switches

TP Series

### MOUNTING DIMENSIONS (For reference only)



Key: 0,0 = mm  
0.00 = inches

Flange mounting torque is 10-12 in./lbs.  
Terminal screw mounting torque is 5 in./lbs. max.