



Cutler-Hammer

# HT800 30mm Guarded Flush Pushbuttons

[HT8GDRV3](#)[HT8GDGV3](#)[HT8GDAV3](#)[HT8GDCV3](#)[HT8GDWV3](#)[HT8GDYV3](#)[HT8GDBV3](#)

| HT800 30mm Guarded Flush Pushbuttons                                     |                                                                 |          |                                                                   |          |                               |          |                                |          |
|--------------------------------------------------------------------------|-----------------------------------------------------------------|----------|-------------------------------------------------------------------|----------|-------------------------------|----------|--------------------------------|----------|
| Contact Configuration                                                    | 24 Volt AC/DC Incandescent Full Voltage Lamp<br>50mA @ 24 Volts | Price    | 120 Volt AC/DC Incandescent Full Voltage Lamp<br>19mA @ 120 Volts | Price    | 24 Volt LED Full Voltage Lamp | Price    | 120 Volt LED Full Voltage Lamp | Price    |
| <b>Red Lens</b>                                                          |                                                                 |          |                                                                   |          |                               |          |                                |          |
| Operator only                                                            | <a href="#">HT8GDRV3</a>                                        | \$105.00 | <a href="#">HT8GDRV7</a>                                          | \$105.00 | <a href="#">HT8GDRF3</a>      | \$123.00 | <a href="#">HT8GDRF7</a>       | \$123.00 |
| 1 N.O.                                                                   | <a href="#">*HT8GDRAV3</a>                                      | \$112.00 | <a href="#">*HT8GDRAV7</a>                                        | \$112.00 | <a href="#">*HT8GDRAF3</a>    | \$133.00 | <a href="#">*HT8GDRAF7</a>     | \$133.00 |
| 1 N.C.                                                                   | <a href="#">*HT8GDRBV3</a>                                      | \$112.00 | <a href="#">*HT8GDRBV7</a>                                        | \$112.00 | <a href="#">*HT8GDRBF3</a>    | \$133.00 | <a href="#">*HT8GDRBF7</a>     | \$133.00 |
| <b>Green Lens</b>                                                        |                                                                 |          |                                                                   |          |                               |          |                                |          |
| Operator only                                                            | <a href="#">HT8GDGV3</a>                                        | \$105.00 | <a href="#">HT8GDGV7</a>                                          | \$105.00 | <a href="#">HT8GDGF3</a>      | \$123.00 | <a href="#">HT8GDGF7</a>       | \$123.00 |
| 1 N.O.                                                                   | <a href="#">*HT8GDGAV3</a>                                      | \$112.00 | <a href="#">*HT8GDGAV7</a>                                        | \$112.00 | <a href="#">*HT8GDGAF3</a>    | \$133.00 | <a href="#">*HT8GDGAF7</a>     | \$133.00 |
| 1 N.C.                                                                   | <a href="#">*HT8GDGBV3</a>                                      | \$112.00 | <a href="#">*HT8GDGBV7</a>                                        | \$112.00 | <a href="#">*HT8GDGBF3</a>    | \$133.00 | <a href="#">*HT8GDGBF7</a>     | \$133.00 |
| <b>Amber Lens</b>                                                        |                                                                 |          |                                                                   |          |                               |          |                                |          |
| Operator only                                                            | <a href="#">HT8GDAV3</a>                                        | \$105.00 | <a href="#">HT8GDAV7</a>                                          | \$105.00 | <a href="#">HT8GDAF3</a>      | \$123.00 | <a href="#">HT8GDAF7</a>       | \$123.00 |
| 1 N.O.                                                                   | <a href="#">*HT8GDAAV3</a>                                      | \$112.00 | <a href="#">*HT8GDAAV7</a>                                        | \$112.00 | <a href="#">*HT8GDAAF3</a>    | \$133.00 | <a href="#">*HT8GDAAF7</a>     | \$133.00 |
| 1 N.C.                                                                   | <a href="#">*HT8GDABV3</a>                                      | \$112.00 | <a href="#">*HT8GDABV7</a>                                        | \$112.00 | <a href="#">*HT8GDABF3</a>    | \$133.00 | <a href="#">*HT8GDABF7</a>     | \$133.00 |
| <b>Clear Lens</b>                                                        |                                                                 |          |                                                                   |          |                               |          |                                |          |
| Operator only                                                            | <a href="#">HT8GDCV3</a>                                        | \$105.00 | <a href="#">HT8GDCV7</a>                                          | \$105.00 | <a href="#">HT8GDCF3</a>      | \$123.00 | <a href="#">HT8GDCF7</a>       | \$123.00 |
| 1 N.O.                                                                   | <a href="#">*HT8GDCAV3</a>                                      | \$112.00 | <a href="#">*HT8GDCAV7</a>                                        | \$112.00 | <a href="#">*HT8GDCAF3</a>    | \$133.00 | <a href="#">*HT8GDCAF7</a>     | \$133.00 |
| 1 N.C.                                                                   | <a href="#">*HT8GDCBV3</a>                                      | \$112.00 | <a href="#">*HT8GDCBV7</a>                                        | \$112.00 | <a href="#">*HT8GDCBF3</a>    | \$133.00 | <a href="#">*HT8GDCBF7</a>     | \$133.00 |
| <b>White Lens</b>                                                        |                                                                 |          |                                                                   |          |                               |          |                                |          |
| Operator only                                                            | <a href="#">HT8GDWV3</a>                                        | \$105.00 | <a href="#">HT8GDWV7</a>                                          | \$105.00 | <a href="#">HT8GDWF3</a>      | \$123.00 | <a href="#">HT8GDWF7</a>       | \$123.00 |
| 1 N.O.                                                                   | <a href="#">*HT8GDWAV3</a>                                      | \$112.00 | <a href="#">*HT8GDWAV7</a>                                        | \$112.00 | <a href="#">*HT8GDWAF3</a>    | \$133.00 | <a href="#">*HT8GDWAF7</a>     | \$133.00 |
| 1 N.C.                                                                   | <a href="#">*HT8GDWBV3</a>                                      | \$112.00 | <a href="#">*HT8GDWBV7</a>                                        | \$112.00 | <a href="#">*HT8GDWBF3</a>    | \$133.00 | <a href="#">*HT8GDWBF7</a>     | \$133.00 |
| <b>Yellow Lens</b>                                                       |                                                                 |          |                                                                   |          |                               |          |                                |          |
| Operator only                                                            | <a href="#">HT8GDYV3</a>                                        | \$105.00 | <a href="#">HT8GDYV7</a>                                          | \$105.00 | <a href="#">HT8GDYF3</a>      | \$123.00 | <a href="#">HT8GDYF7</a>       | \$123.00 |
| 1 N.O.                                                                   | <a href="#">*HT8GDYAV3</a>                                      | \$112.00 | <a href="#">*HT8GDYAV7</a>                                        | \$112.00 | <a href="#">*HT8GDYAF3</a>    | \$133.00 | <a href="#">*HT8GDYAF7</a>     | \$133.00 |
| 1 N.C.                                                                   | <a href="#">*HT8GDYBV3</a>                                      | \$112.00 | <a href="#">*HT8GDYBV7</a>                                        | \$112.00 | <a href="#">*HT8GDYBF3</a>    | \$133.00 | <a href="#">*HT8GDYBF7</a>     | \$133.00 |
| <b>Blue Lens</b>                                                         |                                                                 |          |                                                                   |          |                               |          |                                |          |
| Operator only                                                            | <a href="#">HT8GDBV3</a>                                        | \$105.00 | <a href="#">HT8GDBV7</a>                                          | \$105.00 | <a href="#">HT8GDBF3</a>      | \$123.00 | <a href="#">HT8GDBF7</a>       | \$123.00 |
| 1 N.O.                                                                   | <a href="#">*HT8GDBAV3</a>                                      | \$112.00 | <a href="#">*HT8GDBAV7</a>                                        | \$112.00 | <a href="#">*HT8GDBAF3</a>    | \$133.00 | <a href="#">*HT8GDBAF7</a>     | \$133.00 |
| 1 N.C.                                                                   | <a href="#">*HT8GDBBV3</a>                                      | \$112.00 | <a href="#">*HT8GDBBV7</a>                                        | \$112.00 | <a href="#">*HT8GDBBF3</a>    | \$133.00 | <a href="#">*HT8GDBBF7</a>     | \$133.00 |
| <b>Spare Incandescent and LED Lamps For HT8 Series - starting Prices</b> |                                                                 |          |                                                                   |          |                               |          |                                |          |
|                                                                          | <a href="#">HT8BULBV3</a>                                       | \$14.00  | <a href="#">HT8BULBV7</a>                                         | \$14.00  | <a href="#">HT8LED**F3</a>    | \$39.00  | <a href="#">HT8LED**F7</a>     | \$39.00  |
| <b>30mm Guard for Illuminated Pushbuttons</b>                            |                                                                 |          |                                                                   |          |                               |          |                                |          |
| <a href="#">HT8A15</a>                                                   |                                                                 |          |                                                                   |          |                               |          |                                | \$16.50  |

See HT800 accessories in this section.

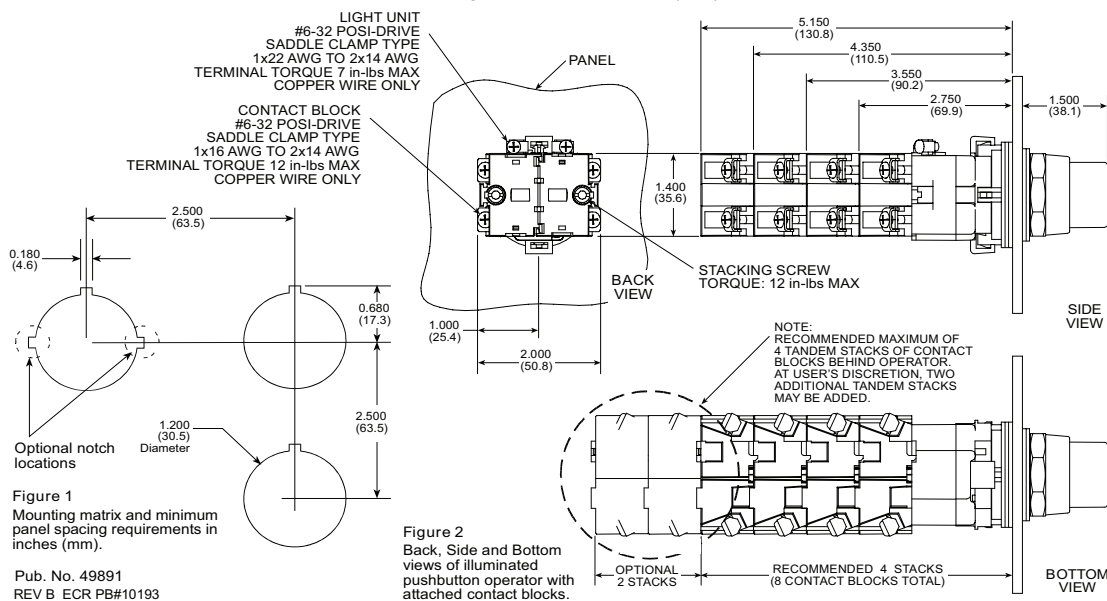
Notes: A grounding kit is included with each operator or switch assembly.

\* Part numbers with an \* are kitted from individual components at AutomationDirect. The individual components are picked and shipped in the same shipping box. Final assembly of the individual components must be done by the customer. Lens not sold separately.

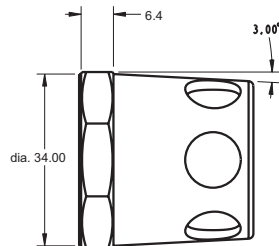
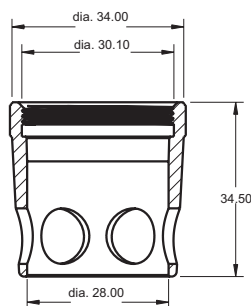
\*\*Insert letter of color bulb needed; for example, HT8LEDYF3 is the part number for a yellow 24 volt LED replacement bulb. See the accessories page at the end of this section for the complete listing of LED replacement bulbs.

# HT800 30mm Guarded Flush Pushbuttons

## 30.5 mm Pushbutton Installation and Mounting Instructions - inches (mm)



## Guard dimensions



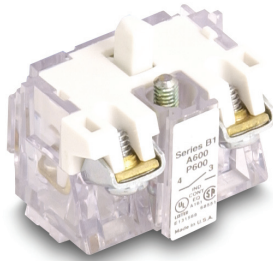
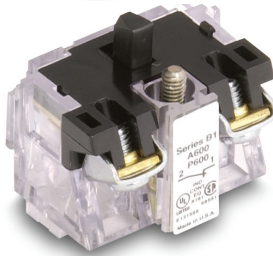
Dimensions in millimeters



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# HT800 30mm Contact Blocks & Accessories

## Contact blocks

**HT8A****HT8B**

| HT8 Series Contact Blocks |                                                                                                                                                                           |         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Part Number               | Description                                                                                                                                                               | Price   |
| <b>HT8A</b>               | Normally open contact block for HT8 series switches.<br>NEMA Rated A600, P6001                                                                                            | \$16.50 |
| <b>HT8B</b>               | Normally closed contact block for HT8 series switches.<br>NEMA Rated A600, P6001                                                                                          | \$16.50 |
| <b>HT8C</b>               | Early closing normally open contact block for HT8 series switches.<br>NEMA Rated A6001                                                                                    | \$40.00 |
| <b>HT8D</b>               | Late opening normally closed contact block for HT8 series switches.<br>NEMA Rated A6001                                                                                   | \$16.50 |
| <b>HT8E</b>               | Logic level normally open contact block for HT8 series switches.<br>Gold plated contacts for reliable low energy switching.<br>Power Rating: Min 1mA @ 5V; Max 500mA 28V. | \$33.00 |

### Notes

1. See HT800 specifications in this section for typical contact wiring diagram.
2. NEMA ICS 5-2000. For more information, refer to HT800 technical specifications and control circuit contact electrical ratings at the beginning of this section.

## Spare parts and tools

**HT8WRENCH****HT8LAMPTOOL****109305****HT8BULBV3****HT8LEDYF3**

| HT8 Series Spare Parts and Tools |                                                                                                                                                 |         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Part Number                      | Description                                                                                                                                     | Price   |
| <b>HT8WRENCH</b>                 | Installation wrench for Cutler-Hammer HT8 series and E22 series pushbuttons, switches, and indicators                                           | \$19.00 |
| <b>HT8LAMPTOOL</b>               | Bulb extraction tool for removing bulbs from switches, indicators and stacklights                                                               | \$10.00 |
| <b>109305</b>                    | Knockout punch hole cutting tool for 30.5 mm mounting hole. Includes punch, die and draw stud                                                   | \$34.50 |
| <b>HT8X1</b>                     | Spare anti-rotation ring for HT8 series. Included with each HT8 device. (not shown)                                                             | \$3.25  |
| <b>HT8X2</b>                     | Spare trim ring for HT8 series. Included with each HT8 device. (not shown)                                                                      | \$3.25  |
| <b>HT8X3</b>                     | Spare sealing/spacing ring for HT8 series. Included with each HT8 device. (not shown)                                                           | \$3.25  |
| <b>HT8GR1</b>                    | Spare grounding kit for HT8 series devices except non-PTT indicators. Included with each HT8 device. (not shown)                                | \$3.25  |
| <b>HT8GR2</b>                    | Spare grounding kit for HT8 series non-PTT indicators. Included with each HT8 device. (not shown)                                               | \$3.25  |
| <b>HT8BULBV3</b>                 | 24 volt incandescent bulb for HT8 illuminated devices. This is an extended bulb for enhanced illumination with HT8 devices. 50mA at 24 volts.   | \$14.00 |
| <b>HT8BULBV7</b>                 | 120 volt incandescent bulb for HT8 illuminated devices. This is an extended bulb for enhanced illumination with HT8 devices. 19mA at 120 volts. | \$14.00 |
| <b>HT8LEDRF3</b>                 | 24 volt replacement LED bulb for HT800 30mm pushbuttons. Color: Red                                                                             | \$38.50 |
| <b>HT8LEDYF3</b>                 | 24 volt replacement LED bulb for HT800 30mm pushbuttons. Color: Yellow                                                                          | \$38.50 |
| <b>HT8LEDGF3</b>                 | 24 volt replacement LED bulb for HT800 30mm pushbuttons. Color: Green                                                                           | \$40.00 |
| <b>HT8LEDBF3</b>                 | 24 volt replacement LED bulb for HT800 30mm pushbuttons. Color: Blue                                                                            | \$44.00 |
| <b>HT8LEDWF3</b>                 | 24 volt replacement LED bulb for HT800 30mm pushbuttons. Color: White                                                                           | \$48.50 |
| <b>HT8LEDAF3</b>                 | 24 volt replacement LED bulb for HT800 30mm pushbuttons. Color: Amber                                                                           | \$39.00 |
| <b>HT8LEDRF7</b>                 | 120 volt replacement LED bulb for HT800 30mm pushbuttons. Color: Red                                                                            | \$38.50 |
| <b>HT8LEDYF7</b>                 | 120 volt replacement LED bulb for HT800 30mm pushbuttons. Color: Yellow                                                                         | \$38.50 |
| <b>HT8LEDGF7</b>                 | 120 volt replacement LED bulb for HT800 30mm pushbuttons. Color: Green                                                                          | \$40.00 |
| <b>HT8LEDBF7</b>                 | 120 volt replacement LED bulb for HT800 30mm pushbuttons. Color: Blue                                                                           | \$44.00 |
| <b>HT8LEDWF7</b>                 | 120 volt replacement LED bulb for HT800 30mm pushbuttons. Color: White                                                                          | \$48.50 |
| <b>HT8LEDAF7</b>                 | 120 volt replacement LED bulb for HT800 30mm pushbuttons. Color: Amber                                                                          | \$39.00 |

NOTE: LED modules have very low current draw and should not be used with triac output devices like PLC triac output modules.

# EATON 30mm Legend Plates

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## For Pushbutton Operators and Indicating Lights

| Legend         | Color of Field | Catalog Number          | Price  |
|----------------|----------------|-------------------------|--------|
| Clamp          | Black          | <a href="#">HT8SP90</a> | \$7.75 |
| Close          | Black          | <a href="#">HT8SP73</a> | \$7.75 |
| Down           | Black          | <a href="#">HT8SP74</a> | \$7.75 |
| Emergency Stop | Red            | <a href="#">HT8SP13</a> | \$7.75 |
| Fast           | Black          | <a href="#">HT8SP75</a> | \$7.75 |
| Faster         | Black          | <a href="#">HT8SP87</a> | \$7.75 |
| Feeder On      | Black          | <a href="#">HT8SP94</a> | \$7.75 |
| Feeder Off     | Black          | <a href="#">HT8SP95</a> | \$7.75 |
| Forward        | Black          | <a href="#">HT8SP15</a> | \$7.75 |
| High           | Black          | <a href="#">HT8SP16</a> | \$7.75 |
| In             | Black          | <a href="#">HT8SP17</a> | \$7.75 |
| Inch           | Black          | <a href="#">HT8SP18</a> | \$7.75 |
| Jog            | Black          | <a href="#">HT8SP19</a> | \$7.75 |
| Jog Forward    | Black          | <a href="#">HT8SP20</a> | \$7.75 |
| Jog Reverse    | Black          | <a href="#">HT8SP21</a> | \$7.75 |
| Low            | Black          | <a href="#">HT8SP22</a> | \$7.75 |
| Lower          | Black          | <a href="#">HT8SP23</a> | \$7.75 |
| Lube-fail      | Black          | <a href="#">HT8SP92</a> | \$7.75 |
| Motor Run      | Black          | <a href="#">HT8SP81</a> | \$7.75 |
| Motor Stop     | Black          | <a href="#">HT8SP82</a> | \$7.75 |
| Off            | Red            | <a href="#">HT8SP24</a> | \$7.75 |
| On             | Black          | <a href="#">HT8SP25</a> | \$7.75 |
| Open           | Black          | <a href="#">HT8SP26</a> | \$7.75 |
| Out            | Black          | <a href="#">HT8SP27</a> | \$7.75 |
| Power On       | Black          | <a href="#">HT8SP80</a> | \$7.75 |
| Raise          | Black          | <a href="#">HT8SP28</a> | \$7.75 |
| Ready          | Black          | <a href="#">HT8SP86</a> | \$7.75 |
| Reset          | Black          | <a href="#">HT8SP29</a> | \$7.75 |
| Reverse        | Black          | <a href="#">HT8SP30</a> | \$7.75 |
| Run            | Black          | <a href="#">HT8SP31</a> | \$7.75 |
| Safe           | Black          | <a href="#">HT8SP85</a> | \$7.75 |
| Slow           | Black          | <a href="#">HT8SP32</a> | \$7.75 |
| Slower         | Black          | <a href="#">HT8SP88</a> | \$7.75 |
| Start          | Black          | <a href="#">HT8SP33</a> | \$7.75 |
| Stop           | Red            | <a href="#">HT8SP34</a> | \$7.75 |
| Test           | Black          | <a href="#">HT8SP83</a> | \$7.75 |
| Transfer       | Black          | <a href="#">HT8SP93</a> | \$7.75 |
| Trip           | Black          | <a href="#">HT8SP84</a> | \$7.75 |
| Unclamp        | Black          | <a href="#">HT8SP91</a> | \$7.75 |
| Up             | Black          | <a href="#">HT8SP35</a> | \$7.75 |

\*Note: Dimensions: 1.77" (45mm) x1.77" (45mm)

## For Selector Switch Operators/Two-Position

| Legend          | Color of Field | Catalog Number          | Price  |
|-----------------|----------------|-------------------------|--------|
| Forward Reverse | Black          | <a href="#">HT8SP38</a> | \$7.75 |
| Hand Auto       | Black          | <a href="#">HT8SP39</a> | \$7.75 |
| High Low        | Black          | <a href="#">HT8SP40</a> | \$7.75 |
| Jog Run         | Black          | <a href="#">HT8SP41</a> | \$7.75 |
| Manual Auto     | Black          | <a href="#">HT8SP67</a> | \$7.75 |
| Off On          | Black          | <a href="#">HT8SP42</a> | \$7.75 |
| Open Close      | Black          | <a href="#">HT8SP43</a> | \$7.75 |
| Run Jog         | Black          | <a href="#">HT8SP44</a> | \$7.75 |
| Safe Run        | Black          | <a href="#">HT8SP45</a> | \$7.75 |
| Start Jog       | Black          | <a href="#">HT8SP46</a> | \$7.75 |
| Start Stop      | Black          | <a href="#">HT8SP47</a> | \$7.75 |
| Up Down         | Black          | <a href="#">HT8SP48</a> | \$7.75 |

## For Selector Switch Operators/Three-Position

| Legend         | Color of Field | Catalog Number          | Price  |
|----------------|----------------|-------------------------|--------|
| Auto Off Hand  | Black          | <a href="#">HT8SP49</a> | \$7.75 |
| For. Off Rev   | Black          | <a href="#">HT8SP50</a> | \$7.75 |
| For. Safe Rev. | Black          | <a href="#">HT8SP69</a> | \$7.75 |
| Hand Off Auto  | Black          | <a href="#">HT8SP51</a> | \$7.75 |
| Man. Off Auto  | Black          | <a href="#">HT8SP68</a> | \$7.75 |
| Open Off Close | Black          | <a href="#">HT8SP53</a> | \$7.75 |
| Run Safe Jog   | Black          | <a href="#">HT8SP70</a> | \$7.75 |
| Up Off Down    | Black          | <a href="#">HT8SP54</a> | \$7.75 |
| On Stop Safe   | Black          | <a href="#">HT8SP71</a> | \$7.75 |

## For PUSH/PULL Units

| Legend 3/32" lettering | Color of Field | Catalog Number          | Price  |
|------------------------|----------------|-------------------------|--------|
| ON/OFF                 | Black          | <a href="#">HT8PP5</a>  | \$7.75 |
| OPEN/CLOSE             | Black          | <a href="#">HT8PP8</a>  | \$7.75 |
| UP/DOWN                | Black          | <a href="#">HT8PP11</a> | \$7.75 |

## Square Blank Plastic Legend Plates

| Lettering | Color of Field | Catalog Number          | Price  |
|-----------|----------------|-------------------------|--------|
| Black     | White/Silver   | <a href="#">HT8SP76</a> | \$7.75 |
| White     | Red/Black      | <a href="#">HT8SP77</a> | \$7.75 |

## Round Plastic Legend Plates

| Legend | Color of Field | Catalog Number          | Price  |
|--------|----------------|-------------------------|--------|
| ESTOP  | Yellow         | <a href="#">HT8RP79</a> | \$7.75 |

NOTE: 70 mm / 2-3/4" diameter

NOTE: All 30 mm legend plates are plastic.