

# Manual Switches

## Indicators/Pushbutton Style

MML41/46 Series

### LED OR INCANDESCENT DISPLAY



PWB Mount



Panel Mount

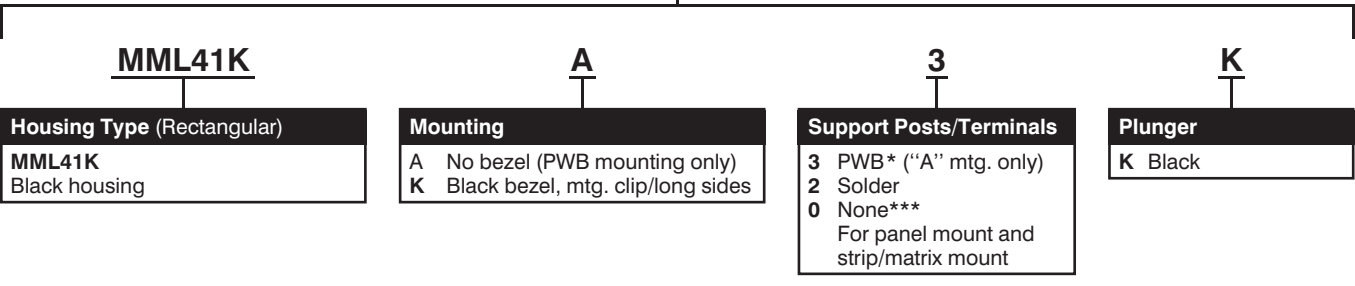
### FEATURES

- Accepts one LED or incandescent lamp

MML41 indicators resemble a pushbutton switch with the button in the “down” position.

### MML41 ORDER GUIDE

Catalog listing codes for indicator, less assembled display options



# Indicators/Flush Mount

MML46

### LED OR INCANDESCENT DISPLAY



PWB Mount



Panel Mount



PWB Mount



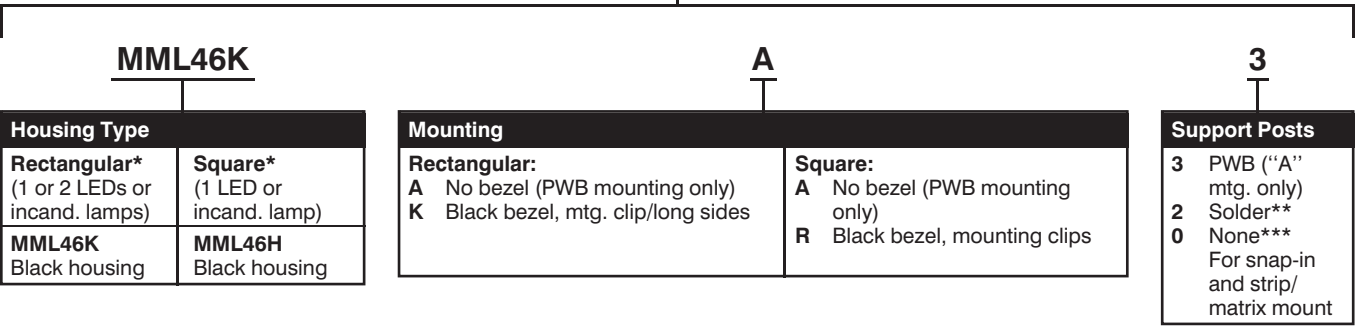
Panel Mount

### FEATURES

- Accepts one or two LEDs or incandescent lamps
- Bezels and mounting clips, LEDs and legended lenses can be furnished installed or ordered separately

### MML46 ORDER GUIDE

Catalog listing codes for indicator, less assembled display options



\*\* Rectangular housings only.  
\*\*\* No LEDs allowed.

### \* Notes:

1. When an LED is specified in a **rectangular** MML46 listing, MICRO SWITCH will permanently install it in the housing.
2. MICRO SWITCH does **not** permanently install an LED in a **square** MML46 listing. To install an LED in a square housing, order a MML93L or MML93G receptacle and a MML92 LED (see pages 86 and 88).

# Manual Switches

## Indicators/Pushbutton Style

**Example: MML41KA3K**  
 Pushbutton style indicator housing (black); no bezel; support posts; black plunger.

**Example: MML41KA3KRSDR**  
 As above, except furnished with one red LED and red lens.

|                           |                |
|---------------------------|----------------|
| Electrical Data           | page 69        |
| Lenses                    | page 80        |
| Bezels                    | page 84        |
| LEDs/Lamps                | pages 85/87    |
| Strip and matrix mounting | page 83        |
| Mounting dimensions       | pages 92/94/95 |
| PWB pin locations         | pages 92/94    |

Order display options assembled to indicator by adding codes below

|   |   |   |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
|---|---|---|------------------|-----------------|--|------------------|---|---------------|---------------|------------------|------------------|-----------------|-----------------|--|-----------------|--|-----------------|---|-----------------------|---|
| <b>RS</b>   | <b>DR</b>                                 | <b>Leave this space blank if legend not desired</b> |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
| <b>LED (Stanley type)</b>   | <b>Lens</b>                               | <b>Legend</b>                                       |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
| <table border="0" style="width:100%;"> <tr> <td><b>XX</b> None</td> </tr> <tr> <td><b>RS</b> Red</td> </tr> <tr> <td><b>YS</b> Yellow</td> </tr> <tr> <td><b>GS</b> Green</td> </tr> </table> | <b>XX</b> None                            | <b>RS</b> Red                                       | <b>YS</b> Yellow | <b>GS</b> Green | <table border="0" style="width:100%;"> <tr> <td style="width: 50%;">For LED display:</td> <td style="width: 50%;">For incandescent or non-lighted display:*</td> </tr> <tr> <td><b>DR</b> Red</td> <td><b>LR</b> Red</td> </tr> <tr> <td><b>DY</b> Yellow</td> <td><b>LY</b> Yellow</td> </tr> <tr> <td><b>DG</b> Green</td> <td><b>LG</b> Green</td> </tr> <tr> <td></td> <td><b>LW</b> White</td> </tr> <tr> <td></td> <td><b>LK</b> Black</td> </tr> </table> | For LED display: | For incandescent or non-lighted display:* | <b>DR</b> Red | <b>LR</b> Red | <b>DY</b> Yellow | <b>LY</b> Yellow | <b>DG</b> Green | <b>LG</b> Green |  | <b>LW</b> White |  | <b>LK</b> Black | <table border="0" style="width:100%;"> <tr> <td><b>20</b> With legend</td> </tr> <tr> <td>Use Legend Order Sheet FO-74024 to cover each catalog listing (see page 82).<br/>                     Note: If legend is not desired, leave this space blank.</td> </tr> </table> | <b>20</b> With legend | Use Legend Order Sheet FO-74024 to cover each catalog listing (see page 82).<br>Note: If legend is not desired, leave this space blank. |
| <b>XX</b> None  |   |   |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
| <b>RS</b> Red   |   |   |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
| <b>YS</b> Yellow  |   |   |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
| <b>GS</b> Green   |   |   |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
| For LED display:  | For incandescent or non-lighted display:* |   |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
| <b>DR</b> Red   | <b>LR</b> Red                             |   |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
| <b>DY</b> Yellow  | <b>LY</b> Yellow                          |   |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
| <b>DG</b> Green   | <b>LG</b> Green                           |   |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
|   | <b>LW</b> White                           |   |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
|   | <b>LK</b> Black                           |   |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
| <b>20</b> With legend   |   |   |                  |                 |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |   |                       |   |
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**Example: MML46KA3**  
 Indicator housing, rectangular (black); no bezel; support terminals.

**Example: MML46KA3RSXXDR20**  
 As above, except furnished with red LED and red lens, with legend.

\* When ordering incandescent or non lighted display, LED field must be **XX**.

**CUSTOMER INSTALLATION:**

**LED**


- Order LED and receptacle, page 85.
- Installation instructions, pages 86/88.

**Incandescent Lamp**


- Order lamp/PWB receptacle or lamp/solder receptacle, page 87.
- Installation instructions, page 88.

**LED TERMINATION**

If LEDs are to be permanently installed by MICRO SWITCH, please indicate by either a **2** (solder) or a **3** (PWB) for the Support Posts listing code. With MICRO SWITCH identification to the rear, the longest lead (+) anode will be to the left, closest to the double-pole circuit or support terminals.



Style 2



Style 3

Manuals

Order display options assembled to indicator by adding codes below

|   |   |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
|---|---|---|-----------|-----------|-----------------|-----------------|--------------------|--------------------|-------------------|-------------------|--|------------------|---|---------------|---------------|------------------|------------------|-----------------|-----------------|--|-----------------|--|-----------------|--|-----------------------|--|
| <b>RSXX</b>   | <b>DR</b>                                 | <b>Leave this space blank if legend not desired</b> |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
| <b>LED (Stanley type)</b>   | <b>Lens</b>                               | <b>Legend</b>                                       |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
| <p>Available in rectangular housings only.</p> <table border="0" style="width:100%;"> <tr> <td colspan="2"><b>XXXX</b> No LED</td> </tr> <tr> <td>One LED*:</td> <td>Two LEDs:</td> </tr> <tr> <td><b>RSXX</b> Red</td> <td><b>RSRS</b> Red</td> </tr> <tr> <td><b>YSXX</b> Yellow</td> <td><b>YSYS</b> Yellow</td> </tr> <tr> <td><b>GSXX</b> Green</td> <td><b>GSGS</b> Green</td> </tr> </table> | <b>XXXX</b> No LED                        |   | One LED*: | Two LEDs: | <b>RSXX</b> Red | <b>RSRS</b> Red | <b>YSXX</b> Yellow | <b>YSYS</b> Yellow | <b>GSXX</b> Green | <b>GSGS</b> Green | <table border="0" style="width:100%;"> <tr> <td style="width: 50%;">For LED display:</td> <td style="width: 50%;">For incandescent or non-lighted display:*</td> </tr> <tr> <td><b>DR</b> Red</td> <td><b>LR</b> Red</td> </tr> <tr> <td><b>DY</b> Yellow</td> <td><b>LY</b> Yellow</td> </tr> <tr> <td><b>DG</b> Green</td> <td><b>LG</b> Green</td> </tr> <tr> <td></td> <td><b>LW</b> White</td> </tr> <tr> <td></td> <td><b>LK</b> Black</td> </tr> </table> | For LED display: | For incandescent or non-lighted display:* | <b>DR</b> Red | <b>LR</b> Red | <b>DY</b> Yellow | <b>LY</b> Yellow | <b>DG</b> Green | <b>LG</b> Green |  | <b>LW</b> White |  | <b>LK</b> Black | <table border="0" style="width:100%;"> <tr> <td><b>20</b> With legend</td> </tr> <tr> <td>Use Legend Order Sheet FO-74024 to cover each catalog listing.</td> </tr> </table> | <b>20</b> With legend | Use Legend Order Sheet FO-74024 to cover each catalog listing. |
| <b>XXXX</b> No LED  |   |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
| One LED*:   | Two LEDs:                                 |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
| <b>RSXX</b> Red   | <b>RSRS</b> Red                           |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
| <b>YSXX</b> Yellow  | <b>YSYS</b> Yellow                        |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
| <b>GSXX</b> Green   | <b>GSGS</b> Green                         |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
| For LED display:  | For incandescent or non-lighted display:* |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
| <b>DR</b> Red   | <b>LR</b> Red                             |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
| <b>DY</b> Yellow  | <b>LY</b> Yellow                          |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
| <b>DG</b> Green   | <b>LG</b> Green                           |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
|   | <b>LW</b> White                           |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
|   | <b>LK</b> Black                           |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
| <b>20</b> With legend   |   |   |           |           |                 |                 |                    |                    |                   |                   |  |                  |   |               |               |                  |                  |                 |                 |  |                 |  |                 |  |                       |  |
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Square housings accept only one LED. Only a two-character LED code is necessary.  
 Example: MML46HR0XXDY.

\* When ordering incandescent or non-lighted display, LED field must be **XXXX**.