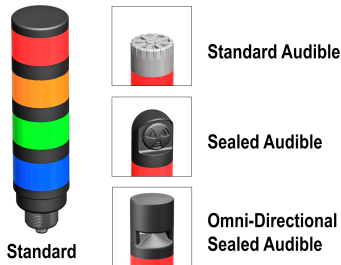


## Datasheet

### Multi-Color General-Purpose or Audible Indicators



- Rugged, cost-effective, and easy-to-install multi-segment indicators
- Illuminated segments provide easy-to-see operator guidance and indication of equipment status
- Up to 7 stacked colors available
- Available in black or light gray housing
- Audible models available with standard, sealed, or omni-directional audible element
- Compact devices are completely self-contained, no controller needed
- Models with 1 to 5 segments, 18 V dc to 30 V dc or 24 V ac operation
- Models with 6 to 7 segments, 12 V dc to 30 V dc or 24 V ac operation
- No assembly required

### Non-Audible Models

| Model <sup>1</sup> | # of LED Colors | LED Colors <sup>2</sup>         | Connection <sup>3</sup>                        | Inputs               |
|--------------------|-----------------|---------------------------------|--|----------------------|
| TL50RQ             | 1               | Red                             | Integral 4-pin M12/Euro-style quick disconnect | Bimodal (NPN or PNP) |
| TL50GRQ            | 2               | Green, Red                      |  |                      |
| TL50GYRQ           | 3               | Green, Yellow, Red              |  |                      |
| TL50BGYRQ          | 4               | Blue, Green, Yellow, Red        | Integral 5-pin M12/Euro-style quick disconnect |                      |
| TL50WBGYRQ         | 5               | White, Blue, Green, Yellow, Red | Integral 8-pin M12/Euro-style quick disconnect |                      |

### Audible Models

| Standard Audible Model <sup>1</sup> | # of LED Colors | LED Colors <sup>2</sup>         | Connection <sup>3</sup>                        | Inputs               |
|-------------------------------------|-----------------|---------------------------------|--|----------------------|
| TL50RAQ                             | 1               | Red                             | Integral 4-pin M12/Euro-style quick disconnect | Bimodal (NPN or PNP) |
| TL50GRAQ                            | 2               | Green, Red                      |  |                      |
| TL50GYRAQ                           | 3               | Green, Yellow, Red              | Integral 5-pin M12/Euro-style quick disconnect |                      |
| TL50BGYRAQ                          | 4               | Blue, Green, Yellow, Red        | Integral 8-pin M12/Euro-style quick disconnect |                      |
| TL50WBGYRAQ                         | 5               | White, Blue, Green, Yellow, Red |  |                      |

| Sealed Audible Model <sup>1</sup> |                  |                | # of LED Colors | LED Colors <sup>2</sup>         | Connection <sup>3</sup>                        | Inputs               |
|-----------------------------------|------------------|----------------|-----------------|---------------------------------|--|----------------------|
| Continuous                        | Pulsed at 1.6 Hz | Staccato       |                 |                                 |  |                      |
| TL50RALSQ                         | TL50RALS3Q       | TL50RALS4Q     | 1               | Red                             | Integral 4-pin M12/Euro-style quick disconnect | Bimodal (NPN or PNP) |
| TL50GRALSQ                        | TL50GRALS3Q      | TL50GRALS4Q    | 2               | Green, Red                      |  |                      |
| TL50GYRALSQ                       | TL50GYRALS3Q     | TL50GYRALS4Q   | 3               | Green, Yellow, Red              | Integral 5-pin M12/Euro-style quick disconnect |                      |
| TL50BGYRALSQ                      | TL50BGYRALS3Q    | TL50BGYRALS4Q  | 4               | Blue, Green, Yellow, Red        | Integral 8-pin M12/Euro-style quick disconnect |                      |
| TL50WBGYRALSQ                     | TL50WBGYRALS3Q   | TL50WBGYRALS4Q | 5               | White, Blue, Green, Yellow, Red |  |                      |

<sup>1</sup> Models with black housing are listed. For gray housing, add the suffix "C" at the end of the cabled model number or before the "Q" in quick disconnect model numbers. For example, TL50RAC or TL50RACQ.

<sup>2</sup> The first color listed is the bottom color, going up in successive order. Other available colors include: Turquoise (T), Orange (O), Violet (V), Sky Blue (S) and Magenta (M).

<sup>3</sup>

- To order the 150 mm (6 in) PVC cable model with a M12/Euro-style quick disconnect, replace the suffix "Q" with "QP" in the model number. For example, TL50RAQP.
- To order the 2 m (6.5 ft) PVC cable model, omit the suffix "Q" in the model number. For example, TL50RA.
- Models with a quick disconnect require a mating cordset.

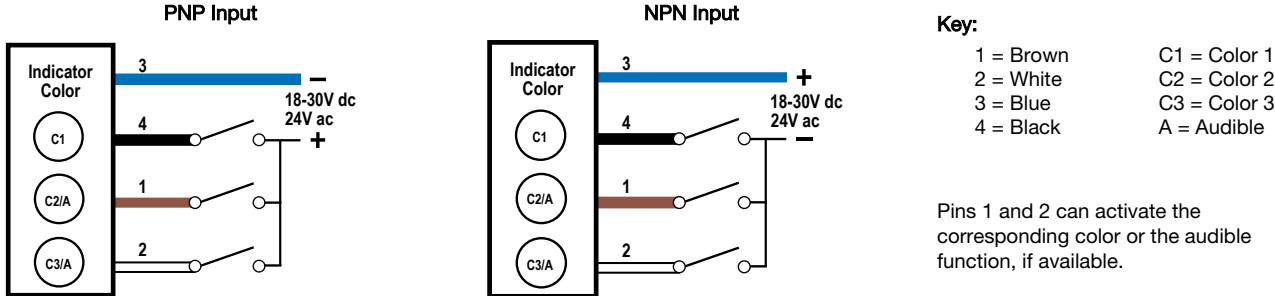


| Omni-Directional <sup>4</sup> Sealed Audible Model <sup>1</sup> |                  |                | # of LED Colors | LED Colors <sup>2</sup>         | Connection <sup>3</sup>                        | Inputs               |
|---|------------------|----------------|-----------------|---------------------------------|--|----------------------|
| Continuous  | Pulsed at 1.6 Hz | Staccato       |                 |                                 |  |                      |
| TL50RAOSQ   | TL50RAOS3Q       | TL50RAOS4Q     | 1               | Red                             | Integral 4-pin M12/Euro-style quick disconnect | Bimodal (NPN or PNP) |
| TL50GRAOSQ  | TL50GRAOS3Q      | TL50GRAOS4Q    | 2               | Green, Red                      |  |                      |
| TL50GYRAOSQ   | TL50GYRAOS3Q     | TL50GYRAOS4Q   | 3               | Green, Yellow, Red              | Integral 5-pin M12/Euro-style quick disconnect |                      |
| TL50BGYRAOSQ  | TL50BGYRAOS3Q    | TL50BGYRAOS4Q  | 4               | Blue, Green, Yellow, Red        | Integral 8-pin M12/Euro-style quick disconnect |                      |
| TL50WBGYRAOSQ   | TL50WBGYRAOS3Q   | TL50WBGYRAOS4Q | 5               | White, Blue, Green, Yellow, Red |  |                      |

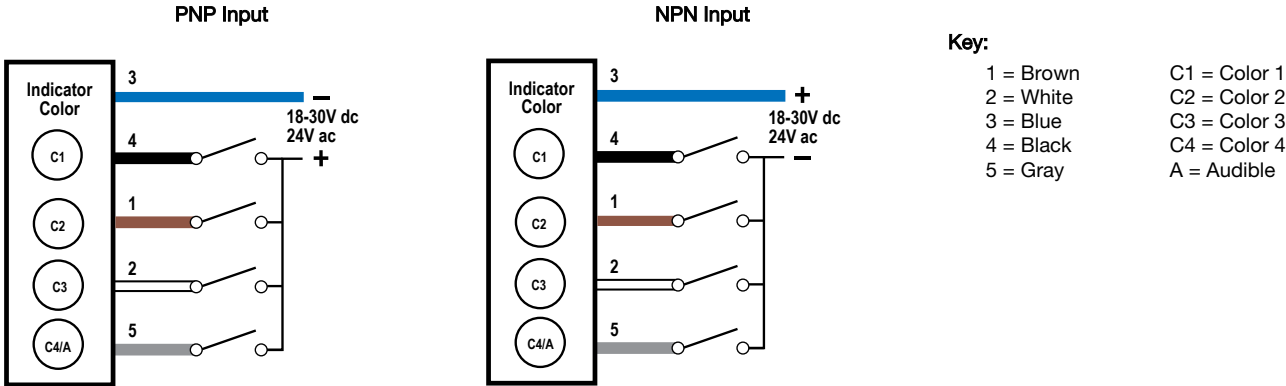
  

| Omni-Directional <sup>4</sup> Sealed Audible Model with Intensity Adjustment <sup>1</sup> |                  |                 | # of LED Colors | LED Colors <sup>2</sup>         | Connection <sup>3</sup>                        | Inputs               |
|---|------------------|-----------------|-----------------|---------------------------------|--|----------------------|
| Continuous  | Pulsed at 1.6 Hz | Staccato        |                 |                                 |  |                      |
| TL50RAOSIQ  | TL50RAOS3IQ      | TL50RAOS4IQ     | 1               | Red                             | Integral 4-pin M12/Euro-style quick disconnect | Bimodal (NPN or PNP) |
| TL50GRAOSIQ   | TL50GRAOS3IQ     | TL50GRAOS4IQ    | 2               | Green, Red                      |  |                      |
| TL50GYRAOSIQ  | TL50GYRAOS3IQ    | TL50GYRAOS4IQ   | 3               | Green, Yellow, Red              | Integral 5-pin M12/Euro-style quick disconnect |                      |
| TL50BGYRAOSIQ   | TL50BGYRAOS3IQ   | TL50BGYRAOS4IQ  | 4               | Blue, Green, Yellow, Red        | Integral 8-pin M12/Euro-style quick disconnect |                      |
| TL50WBGYRAOSIQ  | TL50WBGYRAOS3IQ  | TL50WBGYRAOS4IQ | 5               | White, Blue, Green, Yellow, Red |  |                      |

Wiring Diagram — 4-Pin Models with 1 to 3 Segments



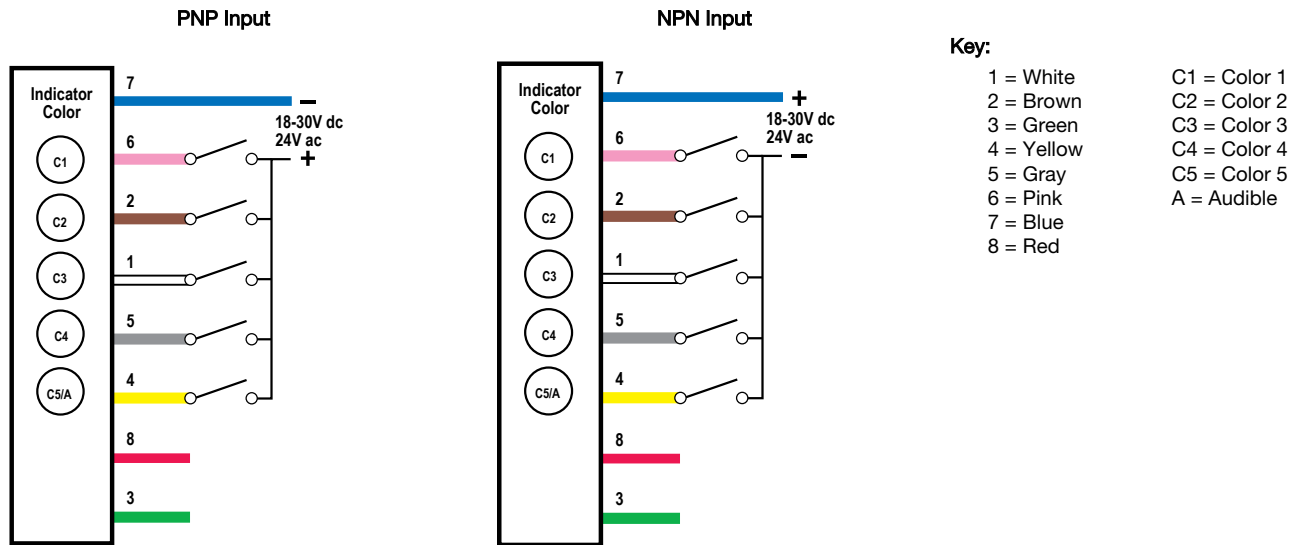
Wiring Diagram – 5-Pin Models with 4 Segments



Pin 5 can activate the corresponding color or the audible function, if available.

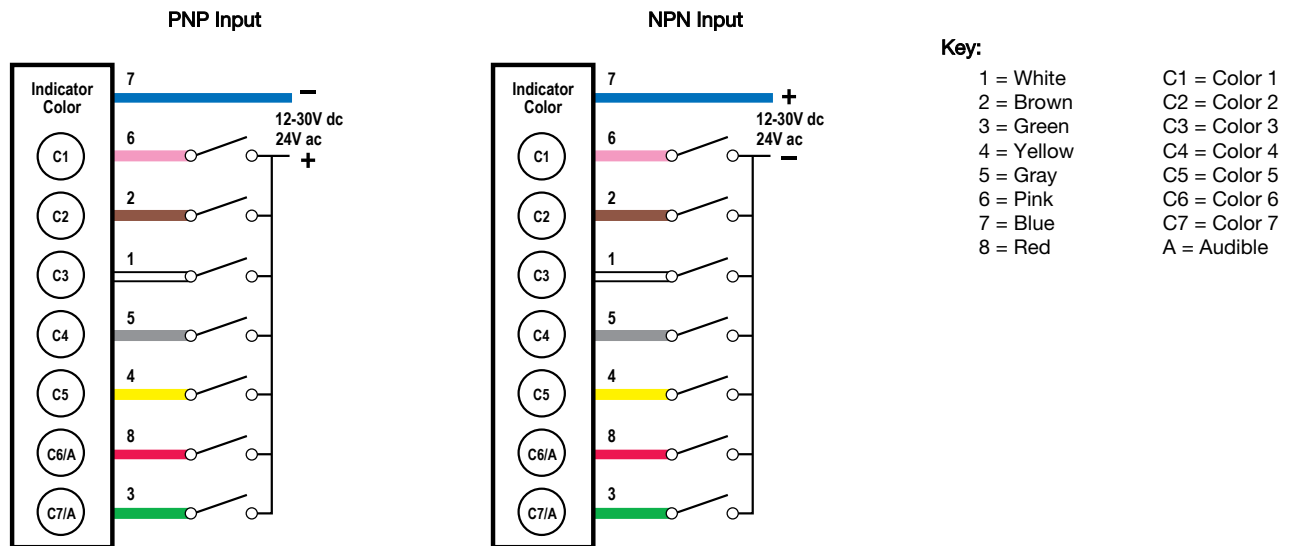
<sup>4</sup> Sound exits at 45°.

## Wiring Diagram — 8-Pin Models with 5 Segments



Pin 4 can activate the corresponding color or the audible function, if available. Pins 3 and 8 are not used.

## Wiring Diagram — 8-Pin Models with 6 to 7 Segments



Pins 3 and 8 can activate the corresponding color or the audible function, if available.

## Specifications

### Supply Voltage and Current

**Models with 1 to 5 segments:** 18 V dc to 30 V dc; or 24 V ac ( $\pm 3$  V) at 50 Hz to 60 Hz (both lights and audible alarms are counted as segments)

Indicators—maximum current per LED color: 45 mA at 18 V to 30 V dc

**Models with 6 to 7 segments:** 12 V dc to 30 V dc or 24 V ac ( $\pm 3$  V) at 50 Hz to 60 Hz (both lights and audible alarms are counted as segments)

Indicators—maximum current per LED color:

- 135 mA at 12 V dc
- 45 mA at 30 V dc
- 60 mA at 24 V ac

**Standard Audible Alarm:** 25 mA maximum current

**Sealed Audible Alarm:** 35 mA maximum current

**Omni-Directional Sealed Audible Alarm:** 45 mA maximum current

### Supply Protection Circuitry

Protected against transient voltages

### Input Response Time

Indicator On/Off: 10 milliseconds maximum

### Audible Alarm

**Standard Audible Alarm:** 2.7 kHz  $\pm$  500 Hz oscillation frequency; maximum intensity 92 dB at 1 m (3.3 ft) (typical)

**Sealed Audible Alarm:** 2.9 kHz  $\pm$  250 Hz oscillation frequency; maximum intensity 94 dB at 1 m (3.3 ft) (typical)

**Omni-Directional Sealed Audible Alarm:** 2.1 kHz  $\pm$  250 Hz oscillation frequency; maximum intensity 99 dB at 1 m (3.3 ft) (typical)

**Omni-Directional Sealed Audible Alarm with Intensity Adjustment:** 2.1 kHz  $\pm$  250 Hz oscillation frequency; maximum intensity 95 dB at 1 m (3.3 ft) (typical)

**Typical Reduction in Sound Intensity with Audible Adjustment (maximum to minimum)**

- **Standard Audible:** 30 dB
- **Sealed Audible:** 20 dB
- **Omni-Directional Sealed Audible:** 12 dB

### Audible Adjustment

**Standard Audible Alarm:** Unscrew the cover (up to 1.5 turns maximum) to adjust the audible intensity. (Do not exceed 1.5 turns or the cover may detach during operation.) For maximum intensity, rotate the center plug 180° counterclockwise to remove it.

**Sealed Audible Alarm and Omni-Directional Sealed Audible Alarm with Intensity Adjustment:** Rotate the front cover until the desired intensity is reached.

**Omni-Directional Sealed Audible Alarm:** No adjustment.

### Connections

Integral 4-pin, 5-pin, or 8-pin M12/Euro-style quick disconnect, 150 mm (6 in) PVC cable with a M12/Euro-style quick disconnect, or 2 m (6.5 ft) integral PVC cable depending on model

Models with a quick disconnect require a mating cordset

### Construction

**Bases and Covers:** ABS

**Light Segment:** Polycarbonate

### Vibration and Mechanical Shock

Meets IEC 60068-2-6 requirements (Vibration: 10 Hz to 55 Hz, 1.0 mm amplitude, 5 minutes sweep, 30 minutes dwell)

Meets IEC 60068-2-27 requirements (Shock: 30G 11 ms duration, half sine wave)

### Operating Conditions

**Non-Audible:** -40 °C to +50 °C (-40 °F to +122 °F)

**Standard and Sealed Audible:** -20 °C to +50 °C (-4 °F to +122 °F)

95% at +50 °C maximum relative humidity (non-condensing)

### Environmental Rating

UL Type 4X Indoor and UL Type 13

**Non-Audible and Sealed Audible:** IEC IP67

**Standard Audible:** IEC IP50

### Certifications



### Indicators

LEDs are independently selected; 1 to 7 colors depending on model

### Indicator Characteristics

| Color     | Dominant Wavelength (nm) or Color Temperature (CCT) | Color Coordinates <sup>5</sup> |      | Lumen Output (Typical at 25 °C) |
|-----------|---|--------------------------------|------|---------------------------------|
|           |   | x                              | y    |                                 |
| Green     | 528 nm  | -                              | -    | 23.0                            |
| Red       | 625 nm  | -                              | -    | 7.5                             |
| Yellow    | 590 nm  | -                              | -    | 5.0                             |
| Blue      | 470 nm  | -                              | -    | 4.0                             |
| Orange    | 608 nm  | -                              | -    | 15.5                            |
| White     | 6000 K  | -                              | -    | 21.0                            |
| Turquoise | -   | 0.19                           | 0.37 | 5.5                             |
| Violet    | -   | 0.20                           | 0.08 | 2.5                             |
| Magenta   | -   | 0.35                           | 0.15 | 3.0                             |
| Sky Blue  | -   | 0.19                           | 0.26 | 12.0                            |

### Required Overcurrent Protection



**WARNING:** Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.

Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.

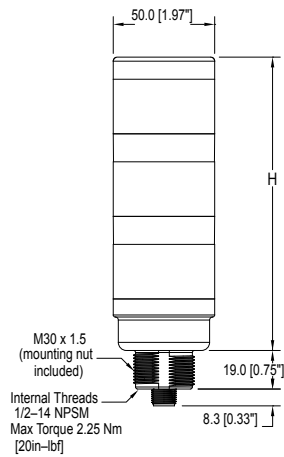
Supply wiring leads < 24 AWG shall not be spliced.

For additional product support, go to [www.bannerengineering.com](http://www.bannerengineering.com).

| Supply Wiring (AWG) | Required Overcurrent Protection (Amps) |
|---------------------|--|
| 20                  | 5.0                                    |
| 22                  | 3.0                                    |
| 24                  | 2.0                                    |
| 26                  | 1.0                                    |
| 28                  | 0.8                                    |
| 30                  | 0.5                                    |

<sup>5</sup> Refer to CIE 1931 chromaticity diagram or color chart, to show equivalent color with indicated color coordinates.

## Dimensions



| # of Colors | Tower Height (H)   |                    |                    |                                 |
|-------------|--------------------|--------------------|--------------------|---------------------------------|
|             | Non-Audible        | Standard Audible*  | Sealed Audible     | Omni-Directional Sealed Audible |
| 1           | 61.2 mm (2.4 in)   | 92.0 mm (3.6 in)   | 115.1 mm (4.5 in)  | 129.1 mm (5.1 in)               |
| 2           | 101.9 mm (4.0 in)  | 132.7 mm (5.2 in)  | 155.8 mm (6.1 in)  | 169.8 mm (6.7 in)               |
| 3           | 142.6 mm (5.6 in)  | 173.4 mm (6.8 in)  | 196.5 mm (7.7 in)  | 210.5 mm (8.3 in)               |
| 4           | 183.3 mm (7.2 in)  | 214.1 mm (8.4 in)  | 237.2 mm (9.3 in)  | 251.2 mm (9.9 in)               |
| 5           | 224.0 mm (8.8 in)  | 254.8 mm (10.0 in) | 277.9 mm (10.9 in) | 291.1 mm (11.5 in)              |
| 6           | 264.7 mm (10.4 in) | 298.5 mm (11.8 in) | 318.6 mm (12.5 in) | 332.6 mm (13.1 in)              |
| 7           | 305.4 mm (12.0 in) | -                  | -                  | -                               |

\* Tower height (H) with top unscrewed approximately 3.5 mm (0.18 in) to allow sound to escape

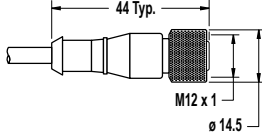
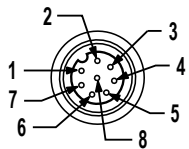
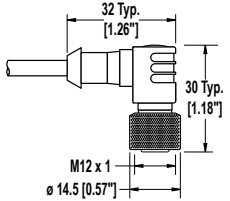
All measurements are listed in millimeters [inches], unless noted otherwise.

## Accessories

### Cordsets

| 4-Pin Threaded M12/Euro-Style Cordsets—Single Ended |                |          |            |   |
|---|----------------|----------|------------|---|
| Model   | Length         | Style    | Dimensions | Pinout (Female)   |
| MQDC-406  | 1.83 m (6 ft)  | Straight |            | <p>1 = Brown<br/>2 = White<br/>3 = Blue<br/>4 = Black</p> |
| MQDC-415  | 4.57 m (15 ft) |          |            |   |
| MQDC-430  | 9.14 m (30 ft) |          |            |   |
| MQDC-450  | 15.2 m (50 ft) |          |            |   |

| 5-Pin Threaded M12/Euro-Style Cordsets—Single Ended |                 |             |            |  |
|---|-----------------|-------------|------------|--|
| Model   | Length          | Style       | Dimensions | Pinout (Female)  |
| MQDC1-501.5   | 0.50 m (1.5 ft) | Straight    |            | <p>1 = Brown<br/>2 = White<br/>3 = Blue<br/>4 = Black<br/>5 = Gray</p> |
| MQDC1-506   | 1.83 m (6 ft)   |             |            |  |
| MQDC1-515   | 4.57 m (15 ft)  |             |            |  |
| MQDC1-530   | 9.14 m (30 ft)  |             |            |  |
| MQDC1-506RA   | 1.83 m (6 ft)   | Right-Angle |            |  |
| MQDC1-515RA   | 4.57 m (15 ft)  |             |            |  |
| MQDC1-530RA   | 9.14 m (30 ft)  |             |            |  |

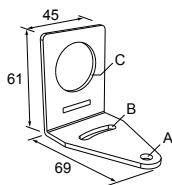
| 8-Pin Threaded M12/Euro-Style Cordsets with Open-Shield |                |             |  |  |
|---|----------------|-------------|--|--|
| Model   | Length         | Style       | Dimensions   | Pinout (Female)  |
| MQDC2S-806  | 1.83 m (6 ft)  | Straight    |  |  <p>1 = White<br/>2 = Brown<br/>3 = Green<br/>4 = Yellow<br/>5 = Gray<br/>6 = Pink<br/>7 = Blue<br/>8 = Red</p> |
| MQDC2S-815  | 4.57 m (15 ft) |             |  |  |
| MQDC2S-830  | 9.14 m (30 ft) |             |  |  |
| MQDC2S-850  | 15.2 m (50 ft) |             |  |  |
| MQDC2S-806RA  | 1.83 m (6 ft)  | Right-Angle |  |  |
| MQDC2S-815RA  | 4.57 m (15 ft) |             |  |  |
| MQDC2S-830RA  | 9.14 m (30 ft) |             |  |  |
| MQDC2S-850RA  | 15.2 m (50 ft) |             |  |  |

## Mounting Brackets

All measurements are listed in millimeters [inches], unless noted otherwise.

### SMB30A

- Right-angle bracket with curved slot for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor
- 12-ga. stainless steel

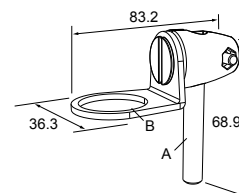


**Hole center spacing:** A to B=40

**Hole size:** A=ø 6.3, B= 27.1 x 6.3, C=ø 30.5

### SMB30FA

- Swivel bracket with tilt and pan movement for precise adjustment
- Mounting hole for 30 mm sensor
- 12-ga. 304 stainless steel
- Easy sensor mounting to extrude rail T-slot
- Metric and inch size bolt available

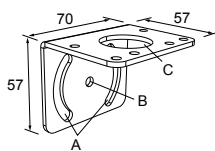


**Bolt thread:** SMB30FA, A= 3/8 - 16 x 2 in; SMB30FAM10, A= M10 - 1.5 x 50

**Hole size:** B= ø 30.1

### SMB30MM

- 12-ga. stainless steel bracket with curved mounting slots for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor

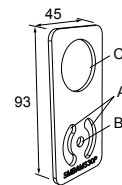


**Hole center spacing:** A = 51, A to B = 25.4

**Hole size:** A = 42.6 x 7, B = ø 6.4, C = ø 30.1

### SMBAMS30P

- Flat SMBAMS series bracket
- 30 mm hole for mounting sensors
- Articulation slots for 90°+ rotation
- 12-ga. 300 series stainless steel

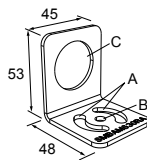


**Hole center spacing:** A=26.0, A to B=13.0

**Hole size:** A=26.8 x 7.0, B=ø 6.5, C=ø 31.0

### SMBAMS30RA

- Right-angle SMBAMS series bracket
- 30 mm hole for mounting sensors
- Articulation slots for 90°+ rotation
- 12-ga. (2.6 mm) cold-rolled steel

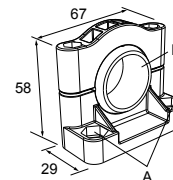


**Hole center spacing:** A=26.0, A to B=13.0

**Hole size:** A=26.8 x 7.0, B=ø 6.5, C=ø 31.0

### SMB30SC

- Swivel bracket with 30 mm mounting hole for sensor
- Black reinforced thermoplastic polyester
- Stainless steel mounting and swivel locking hardware included



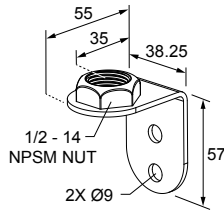
**Hole center spacing:** A=ø 50.8

**Hole size:** A=ø 7.0, B=ø 30.0

**LMBE12RA35**

- Direct mounting of stand-off pipe, with common bracket type
- Zinc-plated steel
- 1/2-14 NPSM nut
- Mounting distance from the wall to the center of the 1/2-14 NPSM nut is 35 mm

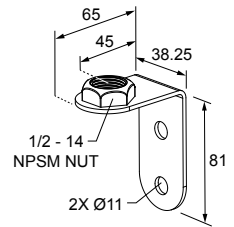
Hole center spacing: 20.0



**LMBE12RA45**

- Direct mounting of stand-off pipe, with common bracket type
- Zinc-plated steel
- 1/2-14 NPSM nut
- Mounting distance from the wall to the center of the 1/2-14 NPSM nut is 45 mm

Hole center spacing: 35.0



LMB Sealed Right-Angle Bracket

| Model     | Description   | Construction        |  |
|-----------|---|---------------------|--|
| LMB30RA   | <b>Direct-Mount Models:</b> Bracket kit with base, 30 mm adapter, set screw, fasteners, O-rings, and gaskets.   | Black polycarbonate |  |
| LMB30RAC  |   | Gray polycarbonate  |  |
| LMBE12RA  | <b>Pipe-Mount Models:</b> Bracket kit with base, 1/2-14 pipe adapter, set screw, fasteners, O-rings, and gaskets. For use with stand-off pipe (listed and sold separately). | Black polycarbonate |  |
| LMBE12RAC |   | Gray polycarbonate  |  |

Elevated Mount System

| Model  | Features   |                                      |                         | Components                          |                                    |                                     |                                      |                                     |                                      |                                      |                                     |                                      |   |  |  |  |
|--|--|--------------------------------------|-------------------------|-------------------------------------|------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|---|--|--|--|
| SA-M30TE12 - Black Acetal  | <ul style="list-style-type: none"> <li>• Streamlined black acetal or white UHMW stand-off pipe adapter/cover</li> <li>• Connects between 30 mm light base and 1/2 in. NPSM/DN15 pipe</li> <li>• Mounting hardware included</li> </ul>              |                                      |                         |                                     |                                    |                                     |                                      |                                     |                                      |                                      |                                     |                                      |   |  |  |  |
| SA-M30TE12C - White UHMW   |  |                                      |                         |                                     |                                    |                                     |                                      |                                     |                                      |                                      |                                     |                                      |   |  |  |  |
| <table border="1"> <tr> <th>Polished 304 Stainless Steel</th> <th>Black Anodized Aluminum</th> <th>Clear Anodized Aluminum</th> </tr> <tr> <td>SOP-E12-150SS<br/>150 mm (6 in) long</td> <td>SOP-E12-150A<br/>150 mm (6 in) long</td> <td>SOP-E12-150AC<br/>150 mm (6 in) long</td> </tr> <tr> <td>SOP-E12-300SS<br/>300 mm (12 in) long</td> <td>SOP-E12-300A<br/>300 mm (12 in) long</td> <td>SOP-E12-300AC<br/>300 mm (12 in) long</td> </tr> <tr> <td>SOP-E12-900SS<br/>900 mm (36 in) long</td> <td>SOP-E12-900A<br/>900 mm (36 in) long</td> <td>SOP-E12-900AC<br/>900 mm (36 in) long</td> </tr> </table> | Polished 304 Stainless Steel   | Black Anodized Aluminum              | Clear Anodized Aluminum | SOP-E12-150SS<br>150 mm (6 in) long | SOP-E12-150A<br>150 mm (6 in) long | SOP-E12-150AC<br>150 mm (6 in) long | SOP-E12-300SS<br>300 mm (12 in) long | SOP-E12-300A<br>300 mm (12 in) long | SOP-E12-300AC<br>300 mm (12 in) long | SOP-E12-900SS<br>900 mm (36 in) long | SOP-E12-900A<br>900 mm (36 in) long | SOP-E12-900AC<br>900 mm (36 in) long | <ul style="list-style-type: none"> <li>• Elevated-use stand-off pipe (1/2 in. NPSM/DN15)</li> <li>• Polished 304 stainless steel, black anodized aluminum, or clear anodized aluminum surface</li> <li>• 1/2 in. NPT thread at both ends</li> <li>• Compatible with most industrial environments</li> </ul> |  |  |  |
| Polished 304 Stainless Steel   | Black Anodized Aluminum  | Clear Anodized Aluminum              |                         |                                     |                                    |                                     |                                      |                                     |                                      |                                      |                                     |                                      |   |  |  |  |
| SOP-E12-150SS<br>150 mm (6 in) long  | SOP-E12-150A<br>150 mm (6 in) long   | SOP-E12-150AC<br>150 mm (6 in) long  |                         |                                     |                                    |                                     |                                      |                                     |                                      |                                      |                                     |                                      |   |  |  |  |
| SOP-E12-300SS<br>300 mm (12 in) long   | SOP-E12-300A<br>300 mm (12 in) long  | SOP-E12-300AC<br>300 mm (12 in) long |                         |                                     |                                    |                                     |                                      |                                     |                                      |                                      |                                     |                                      |   |  |  |  |
| SOP-E12-900SS<br>900 mm (36 in) long   | SOP-E12-900A<br>900 mm (36 in) long  | SOP-E12-900AC<br>900 mm (36 in) long |                         |                                     |                                    |                                     |                                      |                                     |                                      |                                      |                                     |                                      |   |  |  |  |
| SA-E12M30 - Black Acetal   | <ul style="list-style-type: none"> <li>• Streamlined black acetal or white UHMW mounting base adapter/cover</li> <li>• Connects between 1/2 in. NPSM/DN15 pipe and 30 mm (1-3/16 in) drilled hole</li> <li>• Mounting hardware included</li> </ul> |                                      |                         |                                     |                                    |                                     |                                      |                                     |                                      |                                      |                                     |                                      |   |  |  |  |
| SA-E12M30C - White UHMW  |  |                                      |                         |                                     |                                    |                                     |                                      |                                     |                                      |                                      |                                     |                                      |   |  |  |  |

Pipe Mounting Flange

| Pipe Mounting Flange |  |                                     |  |
|----------------------|--|-------------------------------------|--|
| Model                | Features   | Construction                        |  |
| SA-F12               | <ul style="list-style-type: none"> <li>• Elevated-use stand-off pipes (1/2 in, NPSM/DN15)</li> <li>• M5 mounting hardware and nitrile gasket included</li> </ul> | Die-cast zinc base with black paint |  |

| Pipe Mounting Flange |  |                     |  |
|----------------------|--|---------------------|--|
| Model                | Features   | Construction        |  |
| SA-F12-3             | <ul style="list-style-type: none"> <li>Elevated-use stand-off pipes (½ in, NPSM/DN15)</li> <li>M4 mounting hardware and nitrile blend gasket included</li> </ul> | Black Polycarbonate |  |

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