With steady tone

For the latest technical information about this product, including specifications, dimensions, and wiring, see www.BannerEngineering.com

- Rugged, cost-effective and easy-to-install bright indicators with audible alarm
- Fully sealed and rated at IP67 or IP69K, depending on model
- Compact devices are completely self-contained — no controller needed
- Immune to EMI and RFI interference
- Loud audible alarm with intensity adjustment on IP67 models
- 12 to 30V dc operation

Models

<table>
<thead>
<tr>
<th>Model*</th>
<th>Environmental Rating</th>
<th>Connection*</th>
<th>LED Function**</th>
<th>Audible Tone†</th>
<th>Input</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Audible Sealed Models</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K50LGXASXPQ</td>
<td>IP69K</td>
<td>5-pin Euro QD</td>
<td>1 Color: Green</td>
<td>Fixed tone volume</td>
<td>PNP</td>
</tr>
<tr>
<td>K50LGRASXPQ</td>
<td></td>
<td></td>
<td>2 Color: Green, Red</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K50LGRASYPQ</td>
<td></td>
<td></td>
<td>3 Color: Green, Red, Yellow</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adjustable Loud Audible Sealed Models</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K50LGXALSXPQ</td>
<td>IP67</td>
<td>5-pin Euro QD</td>
<td>1 Color: Green</td>
<td>Loud tone with volume adjustment</td>
<td>PNP</td>
</tr>
<tr>
<td>K50LGRALSXPQ</td>
<td></td>
<td></td>
<td>2 Color: Green, Red</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K50LGRALSYPQ</td>
<td></td>
<td></td>
<td>3 Color: Green, Red, Yellow</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Integral QD models only are listed.
  
  - For 150 mm PVC pigtail with QD, replace Q with QP in model number (example, K50LGXASXPQP).
  - For 2 m (6.5') cable, omit suffix Q from model number (example, K50LGXASXP).
  - A model with a QD requires a mating cable (see 5-Pin Euro-Style Cordsets on page 4).

** Contact factory for other colors and color combinations.

Installation in Very Wet Environments

For best sound quality and volume when mounting an IP67 audible indicator model in an extremely wet environment, consider the mounting orientation. Mount the indicator horizontally or facing downward, so that water will drain easily. Upright mounting will allow water to collect in the alarm cavity, which will muffle the sound.
Specifications

Supply Voltage and Current
- **Operating voltage:** 12 to 30V dc (10% max. ripple)
- **Indicators:** 65 mA @ 12V dc; 35 mA @ 30V dc max. current per color
- **Audible:** 35 mA max. current

Supply Protection Circuitry
- Protected against reverse polarity and transient voltages

Input Response Time
- **Indicator ON/OFF:** 10ms (max.)

Audible Alarm
- **IP67 Models:** 2.9KHz ± 250 Hz oscillation frequency; max. intensity 94 db @ 1 meter (typical)
- **IP69K Models:** 2.9KHz ± 250 Hz oscillation frequency; max. intensity 65 db @ 1 meter (typical)

Audible Adjustment
- Rotate the front cover until the desired intensity is achieved (IP67 models only)

Construction
- **Fixed Audible Sealed Models:** Polycarbonate housing and audible alarm
- **Adjustable Loud Audible Sealed Models:** Polycarbonate housing and PPO audible alarm

Vibration and Mechanical Shock
- All models meet Mil. Std. 202F requirements method 201A (vibration: 10 to 60 Hz max., double amplitude 0.06", maximum acceleration 10G). Also meets IEC 947-5-2; 30G 11 ms duration, half sine wave.

Environmental Rating
- **Fixed Audible Sealed Models:** IEC IP67 / IP69K per DIN 40050-9
- **Adjustable Loud Audible Sealed Models:** IEC IP67

Connections
- Integral 5-pin M12/Euro-style QD or 2 m (6.5’) integral cable, depending on model

Operating Conditions
- -20° to +50°C (-4° to +122°F)
- 95% max. relative humidity (non-condensing)

Certifications
- Approvals are pending

Dimensions

**Cabled Dimensions**

- Ø50 [1.97]
- 61.8 [2.43]
- 20 [0.79]
- M30 X 1.5

**QD Dimensions**

- Ø50 [1.97]
- 72.8 [2.87]
- 20 [0.79]
- M12 X 1
Wiring

<table>
<thead>
<tr>
<th>PNP (Sourcing)</th>
<th>Key:</th>
<th>Pinout</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = Brown</td>
<td>G = Green LED</td>
<td></td>
</tr>
<tr>
<td>2 = White</td>
<td>R = Red LED</td>
<td></td>
</tr>
<tr>
<td>3 = Blue</td>
<td>Y = Yellow LED</td>
<td></td>
</tr>
<tr>
<td>4 = Black</td>
<td>A = Alarm</td>
<td></td>
</tr>
<tr>
<td>5 = Gray</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: When fewer than 3 LED colors are used, the corresponding wires are unused.

Accessories

Mounting Brackets

All measurements in mm

**SMB30A**
- Right-angle bracket with curved slot for versatile orientation
- Clearance for M6 (¼”) hardware
- 30 mm mounting hole
- 12-ga. stainless steel

**SMB30SC**
- Swivel bracket with 30 mm mounting hole
- Black reinforced thermoplastic polyester
- Stainless steel mounting and swivel locking hardware included

**SMB30FA**
- Swivel bracket with tilt and pan movement for precise adjustment
- 30 mm mounting hole
- 12-ga. 304 stainless steel
- Easy sensor mounting to extrude rail T-slot

**SMBAMS30RA**
- Right-angle SMBAMS series bracket
- 30 mm mounting hole
- Articulation slots for 90° rotation
- 12-ga. cold rolled stainless steel

**SMB30MM**
- 12-ga. stainless steel bracket with curved mounting slots for versatile orientation
- Clearance for M6 (¼”) hardware
- 30 mm mounting hole

**SMBAMS30P**
- Flat SMBAMS series bracket
- 30 mm mounting hole
- Articulation slots for 90° rotation
- 12-ga. 300 series stainless steel

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## 5-Pin Euro-Style Cordsets

<table>
<thead>
<tr>
<th>5-Pin M12/Euro-Style Cordsets (straight connector)</th>
<th>5-Pin M12/Euro-Style Cordsets (right-angle connector)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MQDC1-506, 2 m (6')</td>
<td>MQDC1-506RA, 2 m (6')</td>
</tr>
<tr>
<td>MQDC1-515, 5 m (15')</td>
<td>MQDC1-515RA, 5 m (15')</td>
</tr>
<tr>
<td>MQDC1-530, 9 m (30')</td>
<td>MQDC1-530RA, 9 m (30')</td>
</tr>
</tbody>
</table>

## Elevated Mount System

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
<th>Components</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA-M30E12</td>
<td>• Streamlined acetal stand-off pipe adapter/cover</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Connects between 30 mm light base and ½″ NPSM/DN15 pipe</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Mounting hardware included</td>
<td></td>
</tr>
<tr>
<td>Polished 304 Stainless Steel</td>
<td>• Elevated-use stand-off pipe (½″ NPSM/DN15)</td>
<td></td>
</tr>
<tr>
<td>SOP-E12-150SS 150 mm (6″) long</td>
<td>• Polished 304 stainless steel or black anodized aluminum surface</td>
<td></td>
</tr>
<tr>
<td>SOP-E12-300SS 300 mm (12″) long</td>
<td>• ½ NPT thread at both ends</td>
<td></td>
</tr>
<tr>
<td>SOP-E12-900SS 900 mm (36″) long</td>
<td>• Compatible with most industrial environments</td>
<td></td>
</tr>
<tr>
<td>SOP-E12-150A 150 mm (6″) long</td>
<td>• Streamlined acetal mounting base adapter/cover</td>
<td></td>
</tr>
<tr>
<td>SOP-E12-300A 300 mm (12″) long</td>
<td>• Connects between ½″ NPSM/DN15 pipe and 30 mm (1-3/16″) drilled hole</td>
<td></td>
</tr>
<tr>
<td>SOP-E12-900A 900 mm (36″) long</td>
<td>• Mounting hardware included</td>
<td></td>
</tr>
</tbody>
</table>

Warranty: Banner Engineering Corporation warrants its products to be free from defects for a period of one year. Banner Engineering Corporation will repair or replace, free of charge, any product of its manufacture found to be defective at the time it is returned to the factory during the warranty period. This warranty does not cover damage or liability for the improper application or installation of Banner products. This warranty is in lieu of any other warranty either expressed or implied.