Federal Signal Global Series® Sounders are available in explosion-proof Ex versions, increased safety Ex de wiring box versions and are certified for gas Group IIC environments.

The Global Series Sounder can be wired to perform two separate functions. A single tone can be selected via a rotary switch; once power is supplied, it will sound the selected tone. Alternatively, multiple tones can be selected remotely by choosing the appropriate combination of inputs.¹ This allows a unique sound to match a specific alarm condition or to be used to escalate an alarm condition.

The Global Series sounder can be combined with all other Global Series audible and visual products in several custom configurations. Custom configurations can be ordered directly from the factory. Optional coupling kits, which allow limited field fixturing, are available.

**Features**

- Supports 3 operational voltages: 24VDC, 120VAC 50/60Hz, and 230VAC 50/60Hz
- Optional 316 stainless steel ratchet adjustable mounting U-bracket (field installation required)
- Gain control
- Non-metallic corrosion resistant design
- 15 watt design
- Field customizable legend plates available²
- Optional indicator rings are available in six colors: Black, Blue, Green, Magenta, Red and Yellow
- Two M20 entries standard on Ex d models, three M20 entries standard on Ex de models
- Type 4X, IP66 enclosure
- Zone 1, 21 Rated, IECEx, ATEX, Ex d IIC, Ex de IIC and Ex tb IIC
- UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III
- UL and cUL Listed for Class I, Zone 1 AEx db IIC T4: Zone 21, AEx tb IIIC T4/135°C, excludes increase safety versions (Ex de)
- UL Fire Listed (24VDC operating voltage ONLY)

**UL/cUL Hazardous Location Rating**

<table>
<thead>
<tr>
<th>Category</th>
<th>Code</th>
<th>Temp Code at 70°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class I, Division 2, Groups A, B, C, D</td>
<td>T4</td>
<td></td>
</tr>
<tr>
<td>Class II, Division 2, Groups F, G</td>
<td>T6</td>
<td></td>
</tr>
<tr>
<td>Class III</td>
<td>T6</td>
<td></td>
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</tbody>
</table>

**ATEX/IECEx Hazardous Location Rating**

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<tr>
<th>Category</th>
<th>Code</th>
<th>Temp Code at 70°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>T5 (in IIB)</td>
<td>T4</td>
<td></td>
</tr>
<tr>
<td>T4 (in IIC)</td>
<td>T4</td>
<td></td>
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</tbody>
</table>

¹ Refer to application guide for specific wiring details
² Recommended labels: BRADY #B-855 Toughwash labels or ULINE #S-16643 weather resistant
³ Operating current varies with frequency content and input power
⁴ Measured using on-board tone 9 at nominal input voltage

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**Model G-SND**

Global Series® Signaling Platform – Sounder

Federal Signal’s Global Series® Sounders are available in explosion-proof Ex versions, increased safety Ex de wiring box versions and are certified for gas Group IIC environments.

The Global Series Sounder can be wired to perform two separate functions. A single tone can be selected via a rotary switch; once power is supplied, it will sound the selected tone. Alternatively, multiple tones can be selected remotely by choosing the appropriate combination of inputs.¹ This allows a unique sound to match a specific alarm condition or to be used to escalate an alarm condition.

The Global Series sounder can be combined with all other Global Series audible and visual products in several custom configurations. Custom configurations can be ordered directly from the factory. Optional coupling kits, which allow limited field fixturing, are available.

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**Features**

- Supports 3 operational voltages: 24VDC, 120VAC 50/60Hz, and 230VAC 50/60Hz
- Optional 316 stainless steel ratchet adjustable mounting U-bracket (field installation required)
- Gain control
- Non-metallic corrosion resistant design
- 15 watt design
- Field customizable legend plates available²
- Optional indicator rings are available in six colors: Black, Blue, Green, Magenta, Red and Yellow
- Two M20 entries standard on Ex d models, three M20 entries standard on Ex de models
- Type 4X, IP66 enclosure
- Zone 1, 21 Rated, IECEx, ATEX, Ex d IIC, Ex de IIC and Ex tb IIC
- UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III
- UL and cUL Listed for Class I, Zone 1 AEx db IIC T4: Zone 21, AEx tb IIIC T4/135°C, excludes increase safety versions (Ex de)
- UL Fire Listed (24VDC operating voltage ONLY)

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**ATEX/IECEx Hazardous Location Rating**

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</tbody>
</table>
Global Series® Signaling Platform – Sounder (G-SND)

**SPECIFICATIONS**

- Operating Temperature: -67ºF to 158ºF, -55ºC to 70ºC
- ATEX/IECEx Certification Marking:
  - Ex db IIB T5 Gb or Ex db e IIB T5 Gb
  - Ex tb IIC T100ºC Db IP66
  - Ex db IIC T4 Gb or Ex db e IIC T4 Gb
  - Ex tb IIC T135ºC Db IP66
  - ATEX: Baseefa15ATEX0155X
  - IECEx: IECEx BAS 15.0104X
- External Fasteners: 316 stainless steel
- Terminals: Ex d: 11 way block
  - Ex de: 3-pole, 4 position quad pole terminal blocks
- Cable Entries: Ex d: 2 entries - M20 x 1.5
  - Ex de: 3 entries - M20 x 1.5
- UL and cUL Certification Marking:
  - Class I, Division 2, Groups A,B,C,D T4 @ 70ºC
  - Class II, Division 2, Groups F,G T6 @ 70ºC
  - Class III T6 @ 70ºC
  - UL and cUL E12629

**Net Product Weight:**
- Ex d Surface Mount: 9.61 lbs, 4.36 kg
- Ex d U-Bracket Mount: 11.59 lbs, 5.26 kg
- Ex de Surface Mount: 12.43 lbs, 5.64 kg

**REPLACEMENT PARTS**

- Multi-voltage G-SND Sounder Kit (Includes PCBAs, Bracket, Driver, & Mounting Screws) K859501404
- E-Box Endcap with M20 Opening: K859500805-02
- E-Box Endcap with M25 Opening: K859500805-01
- E-Box Cover Assembly (Includes two terminal blocks, mounting plate, retention hardware) K859501414
- Adapter, M20 Male to 1/2" Female NPT: K231246A
- Adapter, M20 Male to 3/4" Female NPT: K231247

**HOW TO ORDER**

- G - SND - MV - D
- MODEL TYPE SND Sounder

**CONFIGURATION**

- D Ex d Surface Mount
- T Ex d U-Bracket Mount
- E Ex de Surface Mount

* Field Installation Required

Reference Global Series accessory product page 160 for list of available accessories