



Ex d Surface Mount

Ex d Trunnion Mount

Ex de Surface Mount

Model G-SND

Global Series® Hazardous Location Sounder

Federal Signal Global Series® Sounders are designed for rugged industrial environments and general alarm applications. Standard (15 W) models are certified for gas Group IIC environments, and High Power (30 W) models are certified for gas group IIB + H2 environments. All models are available with explosion-proof Ex d surface, Ex d trunnion, or Ex de surface mounts. Ex d surface and trunnion mount models come standard with (2) M20 entries. The increased safety Ex de surface mount models include separate terminal chambers for quick field termination or pass-through wiring and include (3) M20 entries in a standard configuration.

The Global Series Sounder offers the flexibility of being wired to perform two separate functions. Users can select a single tone via a rotary switch, which will sound the chosen tone once power is supplied. Alternatively, multiple tones can be selected remotely by choosing the appropriate combination of inputs¹. This feature allows a unique sound to match a specific alarm condition or to escalate an alarm condition.

Standard (15 W) Global Series Sounders can be integrated with all other Global Series audible and visual products to create custom configurations tailored to specific needs. These custom configurations can be ordered directly from the factory. Optional coupling kits are also available, allowing limited field fixturing. (High Power [30 W] Sounder integration with custom configurations is coming soon.)



FEATURES

- Supports three operational voltages: 24 Vdc, 120 Vac, and 230 Vac
- Optional ratcheting stainless steel U-bracket trunnion mount with mounting hardware (field installation required)
- Standard (15 W) models feature 15 selectable tones
- High Power (30 W) models feature 63 selectable tones
- Non-metallic, corrosion-resistant design, available in Red or Black
- Gain control
- Field-customizable legend plates available²
- Optional indicator rings are available in six colors: Black, Blue, Green, Magenta, Red, and Yellow
- (2) M20 entries standard on Ex d models, (3) M20 entries standard on Ex de models
- Type 4X, IP66 enclosure
- UL Fire Listed (Standard [15 W] 24 Vdc operating voltage ONLY)
- UKEX certified

¹Standard (15 W) models only

Global Series® Hazardous Location Sounder (G-SND)

RATINGS AND CERTIFICATIONS	STANDARD (15 W)	HIGH POWER (30 W)
ATEX/IECEX Certification Marking:	Ex db IIB T5 Gb or Ex db e IIB T5 Gb @ 49°C	Ex db IIB+H2 T4 Gb or Ex db e IIB+H2 T4 Gb
	Ex tb IIIC T100°C Db IP66 @ 49°C	Ex tb IIIC T135°C Db IP66
	Ex db IIC T4 Gb or Ex db e IIC T4 Gb @ 70°C	Ex db IIB+H2 T4 Gb or Ex db e IIB+H2 T4 Gb
	Ex tb IIIC T135°C Db IP66 @ 70°C	Ex tb IIIC T135°C Db IP66
	ATEX: Baseefa15ATEX0155X	Coming Soon
	IECEX: IECEX BAS 15.0104X	Coming Soon
UL and cUL Certification Marking:	Class I, Division 2, Groups A,B,C,D T4 @ 70°C	Class I, Division 2, Groups A,B,C,D
	Class II, Division 2, Groups F,G T6 @ 70°C	Class II, Division 2, Groups F,G
	Class III T6 @ 70°C	Class III
	Certificate Number E12629	Coming Soon
	Class I, Zone 1 AEx db IIC T4 @ 70°C	Class 1, Zone 1 AEx db IIB+H2 T4
	Class 1 Zone 1 AEx db eb IIC T4 @ 70°C	Class 1 Zone 1 AEx db eb IIB+H2 T4
	Zone 21, AEx tb IIIC 135°C @ 70°C	Zone 21, AEx tb IIIC 135°C
	Certificate Number E492950	Coming Soon

MODEL	OPERATING VOLTAGE	NOMINAL OPERATING CURRENT ³	DECIBELS ⁴	
			10'	1 M
G-SND (15 W)	24 Vdc	0.460 A	100	110
	120/230 Vac 50/60 Hz	0.140/0.080 A	100	110
G-SND (30 W)	24 Vdc	1.2 A	112	122
	120/230 Vac 50/60 Hz	0.30/0.18 A	112	122

¹ Refer to application guide for specific wiring details

² Recommended labels for optional legend plates: BRADY #B-855 Toughwash labels or ULINE #S-16643 weather resistant

³ Operating current varies with frequency content and input power

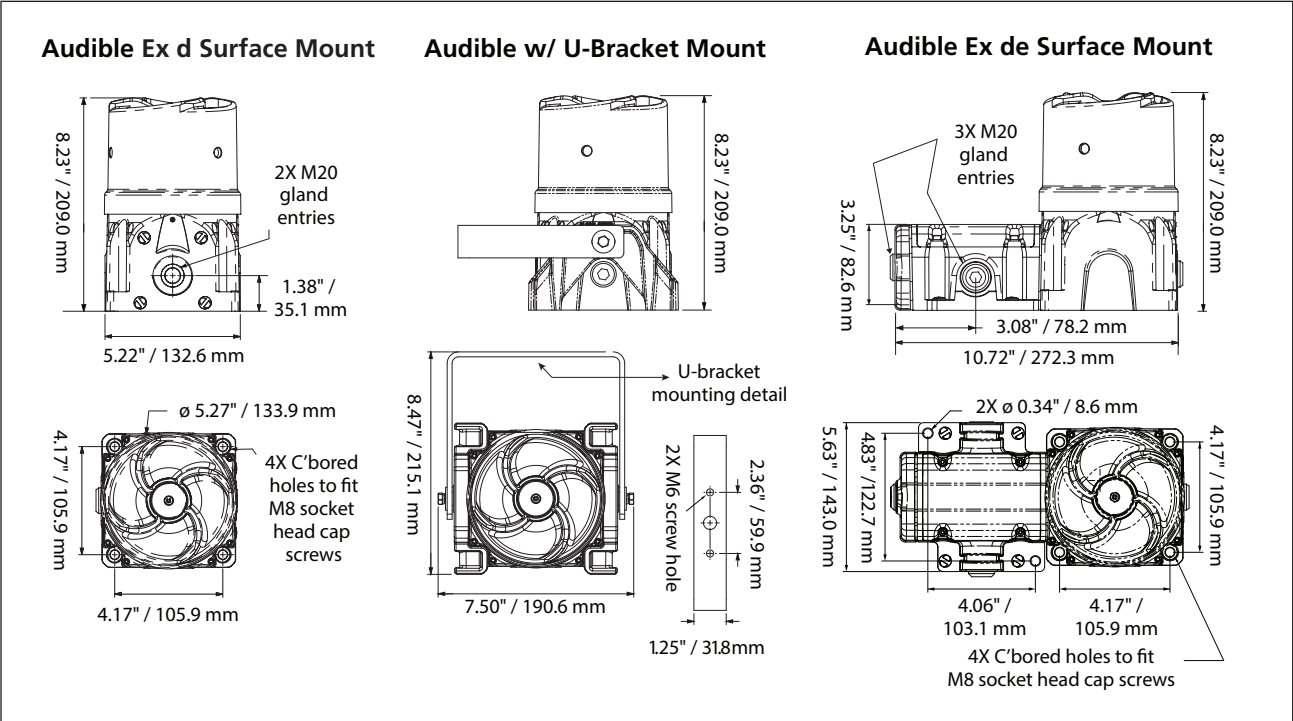
⁴ Measured using on-board tone 9 at nominal input voltage

UL/cUL HAZARDOUS LOCATION RATING	STANDARD (15 W)	HIGH POWER (30 W)
TEMPERATURE CODE AT 70°C		
Class I, Division 2, Groups A, B, C, D	T4	T4
Class II, Division 2, Groups F, G	T6	T6
Class III	T6	T6

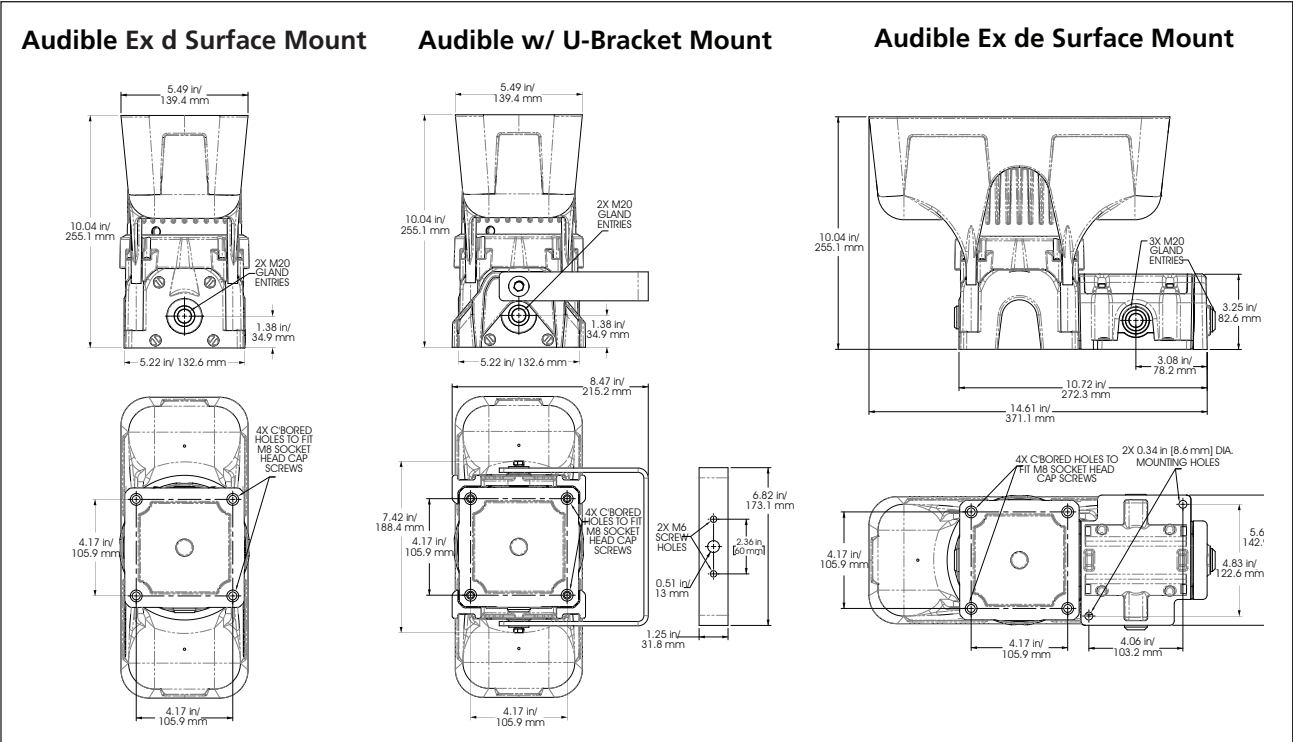
UL/cUL HAZARDOUS LOCATION CLASS/ZONE
TEMPERATURE CODE AT 70°C
T4
T4

ATEX/IECEX HAZARDOUS LOCATION RATING
TEMPERATURE CODE AT 49°C
T5 (in IIB)
T4 (in IIC)
TEMPERATURE CODE AT 70°C
T4 (in IIB)
T4 (in IIC)

Global Series® Hazardous Location Sounder (G-SND) Standard (15 W) Models



Global Series® Hazardous Location Sounder (G-SND) High Power (30 W) Models



Global Series® Hazardous Location Sounder (G-SND)

SPECIFICATIONS

Operating Temperature:	-67° to 158°F (-55° to 70°C)
Enclosure Material:	Glass Reinforced Polycarbonate
External Fasteners:	316 stainless steel M8 socket head cap screws (4) for base module
Terminals:	4mm ² (12 AWG) Max (3 in, 3 out with 4-tone selection terminals & select line) 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
Net Product Weight:	Standard (15 W)
Ex d Surface Mount	9.61 lb (4.36 kg)
Ex d U-Bracket Mount	11.59 lb (5.26 kg)
Ex de Surface Mount	12.43 lb (5.64 kg)
	High Power (30 W)
Ex d Surface Mount	15.13 lb (6.86 kg)
Ex d U-Bracket Mount	17.11 lb (7.76 kg)
Ex de Surface Mount	17.95 lb (8.14 kg)

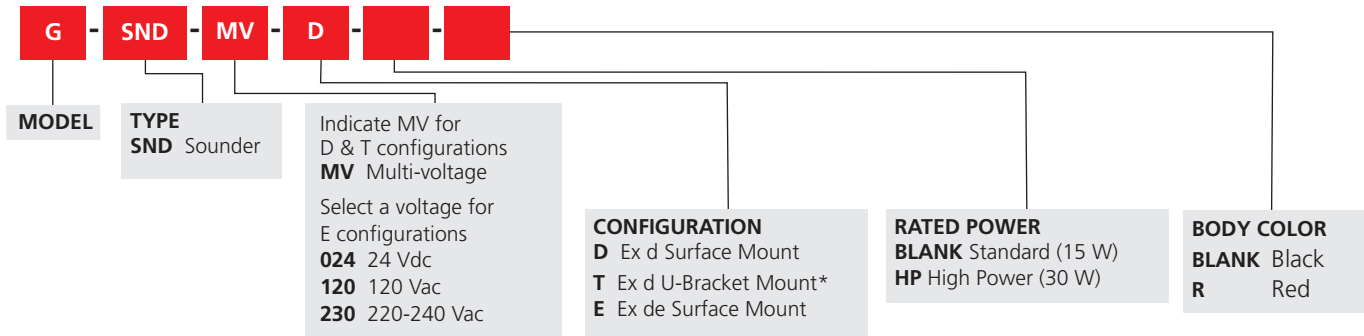
ACCESSORIES

Description	Part Number
E-Box Endcap with M20 Opening	K859500805-02
E-Box Endcap with M25 Opening	K859500805-01
E-Box Cover Assembly (Includes (2) terminal blocks, mounting plate, retention hardware)	K859501414
Adapter, M20 Male to 1/2-inch Female NPT	K231246A
Adapter, M20 Male to 3/4-inch Female NPT	K231247
Wall Mount Bracket	G-KIT-WBKT

REPLACEMENT PART

Description	Part Number
Multi-voltage G-SND Sounder Kit (Includes PCBAs, Bracket, Driver, & Mounting Screws)	K859501404

HOW TO ORDER



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