FEDERAL SIGNAL

Ex d Surface Mount | Ex d Trunnion Mount | Ex de Surface Mount

Model G-STR

Global Series® Hazardous Location Strobes

Federal Signal's patented Global Series® 15-joule and 21-joule strobes feature high-intensity xenon strobe tubes. The housing is made from non-metallic materials designed to serve the demanding needs of offshore marine and land-based industrial applications and can dramatically reduce the cost of long-term maintenance.

The flameproof "Ex d" versions come standard with (2) M20 entries. The increased safety "Ex de" versions include a separate terminal chamber for quick field termination or pass-through wiring and include (3) M20 entries in a standard configuration.

The Global Series Strobe 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.

LENS COLOR OPTIONS

FEATURES

- Available in 24 Vdc, 120 Vac, and 220-240 Vac 50/60 Hz
- Optional stainless steel ratchet-adjustable mounting U-bracket (field installation required)
- Non-metallic, Glass Reinforced Polyester (GRP) corrosion-resistant design, available in Red or Black
- 24 Vdc models contain a supervisory diode and four-wire terminal block
- For use in alarm control panel applications
- Dome guard included
- M20 entries standard
- Optional indicator rings are available in six colors: Black, Blue, Green, Magenta, Red, and Yellow
- Field-customizable legend plates available[1]
- Type 4X, IP66 enclosure, IP67
- IP69K compliant
- Marine Rated
- Zone 1, 21 Rated, IECEx, ATEX, Ex d IIC, Ex de IIC and Ex tb IIIC
- 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 1, Zone 1; Zone 21
- UL Fire Listed (24 Vdc, Clear 21 J Strobe)
- UKEX certified
- 316SS Guard and External Fasteners

MODEL	OPERATING VOLTAGE	NOMINAL OPERATING CURRENT 15 J	NOMINAL OPERATING CURRENT 21 J	LIGHT OUTPUT 15 J	LIGHT OUTPUT 21 J	FLASH RATE 15 J	FLASH RATE 21 J
G-STR	24 Vdc	0.83 A	1.5 A	300 cd	500 cd	60	60
	120 Vac 50/60 Hz	0.33 A	0.45 A	300 cd	500 cd	60	60
	220-240 Vac 50/60 Hz	0.19 A	0.34 A	300 cd	500 cd	60	60

UL/cUL HAZARDOUS LOCATION RATING

TEMPERATURE CODE AT 70°C	
Class I, Division 2, Groups A, B, C, D	T3
Class II, Division 2, Groups F, G	T4A
Class III	T4A

ATEX/IECEx HAZARDOUS LOCATION RATING

TEMPERATURE CODE AT 70°C	
15 J	**21 J**
T4	T3

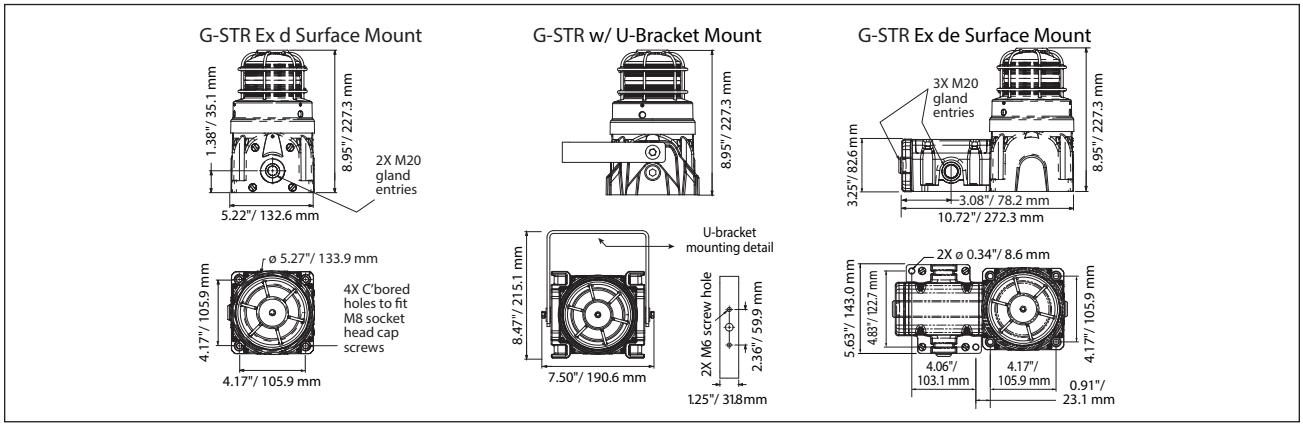
UL/cUL HAZARDOUS LOCATION CLASS/ZONE

TEMPERATURE CODE AT 70°C
T3

Patent No. 9,886,832 B2

[1] Recommended labels: BRADY #B-855 Toughwash labels or ULINE #S-16643 weather resistant

Global Series® Hazardous Location Strobes (G-STR)



SPECIFICATIONS

Lamp Life:	10,000 Hours
Light Source:	Strobe
Operating Temperature Range:	-67° to 158°F (-55° to 70°C)
ATEX/IECEx Certification Marking:	@ 70°C 15J 21J
II 2GD Ex d IIC Gb, Ex tb IIIC Db IP66:	T4 T3
II 2GD Ex de IIC Gb, Ex tb IIIC Db IP66:	T4 T3
	ATEX: Baseefa15ATEX0154X
	IECEx: IECEx BAS 15.0103X
Terminals:	4mm² (12 AWG) Max
	Ex d: 6-way block (3 in, 3 out)
	Ex de: 2X 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	T3 @ 70°C
Class II, Division 2, Groups F, G	T4A @ 70°C
Class III	T4A @ 70°C
Certificate Number E207119	
Class 1, Zone 1 AEx db IIC T3 @ 70°C	
or Class 1 Zone 1 AEx db eb IIC T3 @ 70°C	
Zone 21, AEx tb IIIC T200°C (21 J)	
Zone 21, AEx tb IIIC T165°C (15 J)	
Certificate Number E488522	
Net Product Weight:	
Ex d Surface Mount:	7.17 lb (3.25 kg)
Ex d U-Bracket Mount:	9.15 lb (4.15 kg)
Ex de Surface Mount:	9.99 lb (4.53 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	**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**
Adapter kit for G-Series to XEN strobe applications	**G-KIT-XBKT-R**

REPLACEMENT PARTS

Description	Part Number
Lens Guard	**K859500821-01**
Lens, Amber	**K859500814**
Lens, Blue	**K859500814-01**
Lens, Clear	**K859500814-02**
Lens, Green	**K859500814-03**
Lens, Red	**K859500814-04**
Lens, Magenta	**K859500814-05**
Lens, Yellow	**K859500814-06**
Strobe Tube Only	**K8107177A**
Strobe Tube, 15 J, PCBA 24 Vdc Kit	**K859501402-024-15J**
Strobe Tube, 15 J, PCBA 120 Vac Kit	**K859501402-120-15J**
Strobe Tube, 15 J, PCBA 240 Vac Kit	**K859501402-230-15J**
Strobe Tube, 21 J, PCBA 24 Vdc Kit	**K859501402-024**
Strobe Tube, 21 J, PCBA 120 Vac Kit	**K859501402-120**
Strobe Tube, 21 J, PCBA 240 Vac Kit	**K859501402-230**

HOW TO ORDER

G - **STR** - **024** - **T** - **A** - **15J** - [ ]

MODEL

TYPE
STR Strobe

VOLTAGE
024 (24 Vdc)
120 (120 Vac)
230 (220-240 Vac)

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

COLOR
A Amber
B Blue
C Clear
G Green
M Magenta
R Red
Y Yellow

JOULE
15J 15 joule
21J Blank

BODY COLOR
BLANK Black
R Red

Global Series is a registered trademark of Federal Signal Corporation.

2645 Federal Signal Dr., University Park, IL 60484 | Tel: +1 708.534.4756 | Email: signalsupport@fedsig.com | www.fedsig.com