

PATLITE® Signal Devices

Multi-Function Industrial Signal Beacon Monocolor SF Series

Overview

SF series monocolor beacons are offered in four different LED colors (Blue, Green, Red, and Amber). The reflector is designed to distribute light for clear, unambiguous indication.

Features

- Choose from 4 LED color options (Blue, Green, Red, and Amber)
- The newly developed Fresnel lens distributes ambient, uniform light from all surfaces of the globe, including the top
- High protection rating for operation in harsh environments
- Gasket optional
- IP23 (IP65 with optional gasket)
- IP66 (M1KT/M2KT versions)
- 22 light patterns (shown below)



SF08-M1JN-B



Multi-Function Industrial Signal Beacon Monocolor SF Series Selection Chart									
Part Number	Price	LED Color	Type	Size	Light Function	Sound Level	Voltage	Drawing Link	Connection
SF08-M1JN-B	\$06hsa:	Blue	Industrial signal beacon	80mm	22 selectable flashing and rotating patterns	N/A	12-24 VDC	PDF	pigtail
SF08-M1JN-G	\$06hsb:	Green						PDF	
SF08-M1JN-R	\$06hsc:	Red						PDF	
SF08-M1JN-Y	\$06hsd:	Amber						PDF	
SF08-M1KTN-B	\$-06hsi:	Blue						PDF	push-in terminal
SF08-M1KTN-G	\$-06hsj:	Green						PDF	
SF08-M1KTN-R	\$06hsk:	Red						PDF	
SF08-M1KTN-Y	\$-06hsl:	Amber						PDF	
SF08-M2KTN-B	\$06hss:	Blue					100-240 VAC	PDF	
SF08-M2KTN-G	\$;06hst:	Green						PDF	
SF08-M2KTN-R	\$06hsu:	Red						PDF	
SF08-M2KTN-Y	\$06hsv:	Amber						PDF	
SF10-M1JN-B	\$06hsx:	Blue		100mm			12-24 VDC	PDF	pigtail
SF10-M1JN-G	\$06hsy:	Green						PDF	
SF10-M1JN-R	\$06hsz:	Red						PDF	
SF10-M1JN-Y	\$;06hsj:	Amber						PDF	
SF10-M1KTN-B	\$06hs?:	Blue						PDF	push-in terminal
SF10-M1KTN-G	\$;06hs,:	Green						PDF	
SF10-M1KTN-R	\$;06ht0:	Red						PDF	
SF10-M1KTN-Y	\$;06ht1:	Amber						PDF	
SF10-M2JN-B	\$;06ht2:	Blue					100-240 VAC	PDF	pigtail
SF10-M2JN-G	\$;06ht3:	Green						PDF	
SF10-M2JN-R	\$;06ht4:	Red						PDF	
SF10-M2JN-Y	\$;06ht5:	Amber						PDF	
SF10-M2KTN-B	\$;06hta:	Blue						PDF	push-in terminal
SF10-M2KTN-G	\$;06htb:	Green						PDF	
SF10-M2KTN-R	\$;06htc:	Red						PDF	
SF10-M2KTN-Y	\$;06htd:	Amber						PDF	

PATLITE® Signal Devices

Multi-Function Industrial Signal Beacon Monocolor SF Series

Specifications

Multi-Function Industrial Signal Beacon Monocolor SF Series Technical Specifications																																
Part Number		SF08-M1JN-B	SF08-M1JN-G	SF08-M1JN-R	SF08-M1JN-Y	SF08-M1KTN-B	SF08-M1KTN-G	SF08-M1KTN-R	SF08-M1KTN-Y	SF08-M2KTN-B	SF08-M2KTN-G	SF08-M2KTN-R	SF08-M2KTN-Y	SF10-M1JN-B	SF10-M1JN-G	SF10-M1JN-R	SF10-M1JN-Y	SF10-M1KTN-B	SF10-M1KTN-G	SF10-M1KTN-R	SF10-M1KTN-Y	SF10-M2JN-B	SF10-M2JN-G	SF10-M2JN-R	SF10-M2JN-Y	SF10-M2KTN-B	SF10-M2KTN-G	SF10-M2KTN-R	SF10-M2KTN-Y			
		10-30V DC								90-250V AC				10-30V DC								90-250V AC										
Operating Voltage Range		10-30V DC								90-250V AC				10-30V DC								90-250V AC										
Rated Current Consumption		12VDC: 0.62A 24VDC: 0.32A								100VAC: 0.19A 240VAC: 0.08A				12VDC: 0.62A 24VDC: 0.32A								100VAC: 0.19A 240VAC: 0.08A										
Rated Power Consumption		12VDC: 7.4W 24VDC: 7.7W								8.5W				12VDC: 7.4W 24VDC: 7.7W								8.5W										
Temperature Range	Operating	-20°C to +50°C (-4°F to +122°F)																														
	Storage	-30°C to +60°C (-22°F to +140°F)																														
Humidity Range	Operating	Less than 90% (No condensation)																														
	Storage																															
Mounting		Indoor: upright, inverted & sideways outdoor: upright																														
Insulation Resistance		More than 1MΩ at 500VDC between live part and non-current carrying metallic part								More than 3MΩ at 500VDC between live part and non-current carrying metallic part				More than 1MΩ at 500VDC between live part and non-current carrying metallic part								More than 3MΩ at 500VDC between live part and non-current carrying metallic part										
Withstand Voltage		500VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation								4,000VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation				500VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation								4,000VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation										
Wire Size		UL2464, PVC, 22 AWG×5				Solid Wire : 0.13-1.5mm² Stranded Wire : 28-14 AWG								UL2464, PVC, 22 AWG×5				Solid Wire : 0.13-1.5mm² Stranded Wire : 28-14 AWG				UL2464, PVC, 18 AWG×2 + 24 AWG×3				Solid Wire : 0.13-1.5mm² Stranded Wire : 28-14 AWG						
Protection Rating		IP23 (IP65 when used with SZW-102 Rubber Gasket attachment)				IP66/NEMA TYPE 4X,13								IP23 (IP65 when used with SZW-102 Rubber Gasket attachment)				IP66/NEMA TYPE 4X,13														
Weight g [oz]		0.27kg				0.24kg				0.27kg				0.40kg				0.39kg				0.43kg				0.42kg						
Housing Material		Polycarbonate																														
Agency Approval		UL File No.E215660																														

To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

PATLITE® Signal Devices

Multi-Function Audible-Visual Signal Beacon Monocolor SF Series

Overview

SF series monocolor beacons are offered in four different LED colors (Blue, Green, Red, and Amber). The reflector is designed to distribute light for clear, unambiguous indication.

Features

- Choose from 4 LED color options (Blue, Green, Red, and Amber)
- The newly developed Fresnel lens distributes ambient, uniform light from all surfaces of the globe, including the top
- High protection rating for operation in harsh environments
- Gasket optional
- IP23 (IP65 with optional gasket)
- IP66 (M1KT/M2KT versions)
- 22 light patterns (shown below)



SF08-M1KTB-B



Multi-Function Audible-Visual Signal Beacon Monocolor SF Series Selection Chart									
Part Number	Price	LED Color	Type	Size	Light Function	Sound Level	Voltage	Drawing Link	Connection
SF08-M1KTB-B	\$06hse:	Blue	Audible-visual signal beacon	80mm	22 selectable flashing and rotating patterns	88dB	12–24 VDC	PDF	push-in terminal
SF08-M1KTB-G	\$,06hsf:	Green						PDF	
SF08-M1KTB-R	\$06hsg:	Red						PDF	
SF08-M1KTB-Y	\$06hsh:	Amber						PDF	
SF08-M2KTB-B	\$06hsn:	Blue					100–240 VAC	PDF	
SF08-M2KTB-G	\$06hso:	Green						PDF	
SF08-M2KTB-R	\$06hsp:	Red						PDF	
SF08-M2KTB-Y	\$06hsq:	Amber						PDF	
SF10-M1KTB-B	\$.06hs[:	Blue		12–24 VDC			PDF		
SF10-M1KTB-G	\$06hs_:	Green					PDF		
SF10-M1KTB-R	\$06hs#:	Red					PDF		
SF10-M1KTB-Y	\$.06hs!:	Amber					PDF		
SF10-M2KTB-B	\$.06ht6:	Blue					100–240 VAC	PDF	
SF10-M2KTB-G	\$.06ht7:	Green						PDF	
SF10-M2KTB-R	\$.06ht8:	Red						PDF	
SF10-M2KTB-Y	\$.06ht9:	Amber						PDF	

PATLITE® Signal Devices

Multi-Function Audible-Visual Signal Beacon Monocolor SF Series

Specifications

Multi-Function Audible-Visual Signal Beacon Monocolor SF Series Technical Specifications																	
Part Number		SF08-M1KTB-B	SF08-M1KTB-G	SF08-M1KTB-R	SF08-M1KTB-Y	SF08-M2KTB-B	SF08-M2KTB-G	SF08-M2KTB-R	SF08-M2KTB-Y	SF10-M1KTB-B	SF10-M1KTB-G	SF10-M1KTB-R	SF10-M1KTB-Y	SF10-M2KTB-B	SF10-M2KTB-G	SF10-M2KTB-R	SF10-M2KTB-Y
Operating Voltage Range		10-30V DC				90-250V AC				10-30V DC				90-250V AC			
Rated Current Consumption		12VDC: 0.64A 24VDC: 0.34A				100VAC: 0.20A 240VAC: 0.08A				12VDC: 0.64A 24VDC: 0.34A				100VAC: 0.20A 240VAC: 0.08A			
Rated Power Consumption		12VDC: 7.7W 24VDC: 8.2W				8.8W				12VDC: 7.7W 24VDC: 8.2W				8.8W			
Temperature Range	Operating	-20°C to +50°C (-4°F to +122°F)															
	Storage	-30°C to +60°C (-22°F to +140°F)															
Humidity Range	Operating	Less than 90% (No condensation)															
	Storage																
Mounting		Indoor: Upright, Inverted & Sideways Outdoor: Upright															
Insulation Resistance		More than 1MΩ at 500VDC between live part and non-current carrying metallic part				More than 3MΩ at 500VDC between live part and non-current carrying metallic part				More than 1MΩ at 500VDC between live part and non-current carrying metallic part				More than 3MΩ at 500VDC between live part and non-current carrying metallic part			
Withstand Voltage		500VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation				4,000VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation				500VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation				4,000VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation			
Wire Size		Solid Wire : 0.13-1.5mm ² Stranded Wire : 28-14 AWG															
Protection Rating		IP66/NEMA TYPE 4X,13															
Weight g [oz]		0.25kg				0.28kg				0.40kg				0.43kg			
Housing Material		Polycarbonate															
Agency Approval		UL File No.E215660															

To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

PATLITE® Signal Devices

Multi-Function Audible-Visual Signal Beacon Monocolor SF Series

Light Patterns

Select from 22 light patterns to indicate various statuses at your work field. The light pattern can easily be configured by adjusting the rotary switch and wiring the input channels as desired.

[Examples of Usage]

- Reduce brightness during night time
- Adjust flash speeds depending on urgency
- Adjust rotation speeds depending on level of danger

Rotary switch	wiring	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
		OFF	OFF	ON	OFF	OFF	ON	ON	ON
0		Off		Rotating (120 rpm)		Triple-flash		Rotating (120 rpm)	
1		Off		Rotating (180 rpm)		Triple-flash		Rotating (180 rpm)	
2		Off		Triple-flash		Pulse pattern		Triple-flash	
3		Off		Rotating (60 rpm)		Rotation (120 rpm)		Rotating (180 rpm)	
4		Off		Single-flash		Double-flash		Triple-flash	
5		Triple-flash		Triple-flash		Triple-flash		Triple-flash	
6		Pulse pattern		Pulse pattern		Pulse pattern		Pulse pattern	
7		Rotating (60 rpm)		Rotating (60 rpm)		Rotating (60 rpm)		Rotating (60 rpm)	
8		Rotating (120 rpm)		Rotating (120 rpm)		Rotating (120 rpm)		Rotating (120 rpm)	
9		Rotating (180 rpm)		Rotating (180 rpm)		Rotating (180 rpm)		Rotating (180 rpm)	

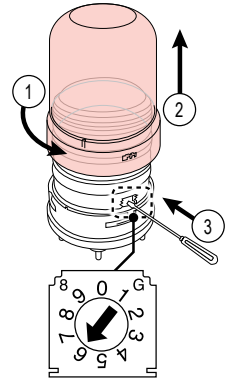


= Dimmed

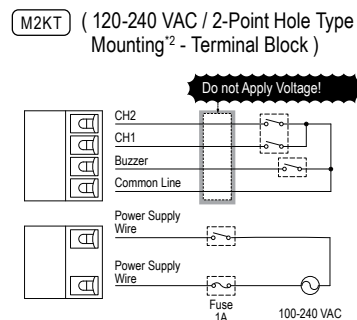
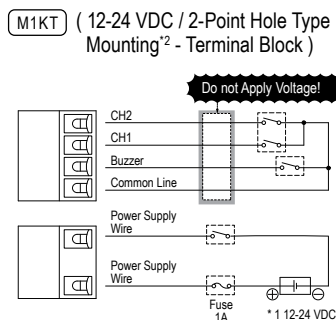
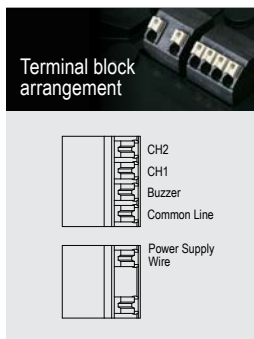
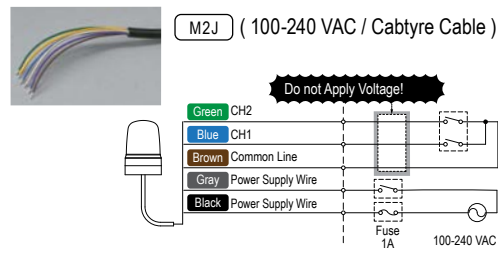
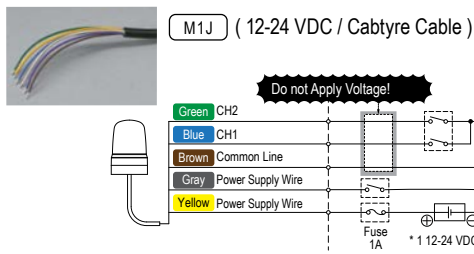


= Half-side emitted

Adjusting the Rotary Switch



Wiring Diagrams



* 1 Nonpolar. Use the UL specification with class 2.
* 2 SL15: 3-point hole type mounting

PATLITE® Signal Devices

Audible-Visual and Industrial Signal Beacon Accessories SF, SK, and SL Series

Accessories SF, SK, and SL Series			
Part Number	Price	Description	Drawing Link
SZK-101	\$,-6htf:	Patlite mounting bracket, wall mount, black, polycarbonate. For use with Patlite SKS, SKH, SF08, SF10, SL08 and SL10 series beacons.	PDF
SZK-102	\$,-6htg:	Patlite mounting bracket, wall mount, silver, 304 stainless steel. For use with Patlite SKS, SKH, SF08, SF10, SL08 and SL10 series beacons.	PDF
SZK-103	\$,-6hth:	Patlite mounting bracket, wall mount, silver, 305 stainless steel. For use with Patlite SKP and SL15 series beacons.	PDF
SZK-104	\$,-6hti:	Patlite mounting bracket cover, wall mount, black, polycarbonate. For use with Patlite SZK-102 mounting bracket. Installation hardware included.	PDF
SZK-105	\$,-6htj:	Patlite mounting bracket cover, wall mount, black, polycarbonate. For use with Patlite SZK-103 mounting bracket. Installation hardware included.	PDF
SZP-101	\$,-6htk:	Patlite tube adapter, tube mount, 100mm diameter, black, polycarbonate. For use with Patlite SKH, SF10, SL10 series beacons and POLE22-xxxxAN or POLE22-xxxxAT mounting poles.	PDF
SZP-102	\$,-6htl:	Patlite tube adapter, tube mount, 80mm diameter, 1/2in NPT thread, silver, aluminum. For use with Patlite SKS, SF08 and SL08 series beacons.	PDF
SZP-103	\$,-6htn:	Patlite tube adapter, tube mount, 100mm diameter, 1/2in NPT thread, silver, aluminum. For use with Patlite SKH, SF10 and SL10 series beacons.	PDF
SZP-104	\$,-6hto:	Patlite tube adapter, tube mount, 150mm diameter, 3/4in NPT thread, silver, aluminum. For use with Patlite SKP and SL15 series beacons.	PDF
SZW-101	\$,-6htp:	Patlite mounting bracket, ceiling mount, 100mm diameter, black, cold-rolled steel. For use with Patlite SKH, SF10 and SL10 series beacons.	PDF
SZW-102	\$,-6htq:	Patlite gasket, black, silicone. For use with Patlite SKS, SF08 and SL08 series beacons.	PDF
SZW-103	\$,-6hts:	Patlite gasket, black, silicone. For use with Patlite SKH, SF10 and SL10 series beacons.	PDF



[SZK-101](#)



[SZK-102](#)



[SZK-103](#)



[SZK-104](#)



[SZK-105](#)



[SZP-101](#)



[SZP-102](#)



[SZP-103](#)



[SZP-104](#)



[SZW-101](#)



[SZW-102](#)



[SZW-103](#)