PATLITE

INSTRUCTION MANUAL Rotating Beacons IN SKS / SKH / SKP Multi-function Beacons **TYPE SF08 / SF10** Flashing Beacons 022 SL08 / SL10 / SL15

Notice to Custom

- Thank you very much for purchasing our Patlite products. • Request the installation and wiring be performed by a professional contractor if construction work is involved.
- Prior to installation, read this manual thoroughly before using this product to ensure correct use. . In addition, please store this manual for future reference when
- performing maintenance, repairs or inspections. . For options and repair parts, please visit our website
- (https://www.patlite.com)
- If there are any questions concerning this product, refer to the contact information at the end of this document and contact your nearest PATLITE Sales Representative.

1 Read this First (Safety Precautions)

Failure to observe the following may result in death or serious injury. A Warning

- To prevent from short-circuits or damage, observe the following:
- Be sure the power is disconnected before replacement or repair, including the replacement of the fuse. -Use this product in a properly maintained condition. (Replace or repair if the
- globe, case, etc. are damaged.) If installing this product requires construction work, ask a specialist in order to
- avoid fire, or personal injury. When this product is used for security purposes, it should be inspected daily.

In case a malfunction should occur, it is recommended that you use this product together with other security products.

 After installation, do not use this product to climb up onto the equipment with Failure to comply will result in product damage and/or falling off the machinery.

Caution Failure to comply with the second present in injury, physical loss or damage Failure to comply with the following points may

- . Be sure to put a fuse in the wiring circuit between the power source and equipment for protection. If a fuse is not added, it may result in product and/or equipment failure
- · Be sure to prevent electrostatic damage due to discharge when working with this product for wiring, exchanging units, setting up parameters, etc. by
- discharging static electricity on your body, etc Do not disassemble or detach during operation

2 Model Number Configuration SF • SL Models Series Rated Voltage Installation • Wiring Buzzer LED Unit Colo Model SF 08 Ø80 N No Buzzer R Red M1 12 - 24 V DC SL 10 Ø100 M2 100 - 240 V AC Y Amber B With Buzzer * 15 Ø150 G Green J 3-Screw Mounting • Cabtyre Cable (SL only B Blue KT 2-point Hole Type Mounting • Terminal block 3-point Hole Type Mounting • Terminal block (SL15 only)

* KT only(SL15 : No Buzzer)

Model Number Example SF08-M1KTB-R • Ø80 • 12 - 24 V DC • 2-point hole type mounting • Terminal block With buzzer
Red color

SK Model Series Rated Voltage Installation • Wiring Buzzer LED Unit Colo Model SK ↓ !-! 1-1 S Ø80 M1 12 - 24 V DC (None) No Buzzer R Red B With Buzzer (SKH only) H Ø100 M2 100 - 240 V AC Y Amber P Ø150 G Green J Cabtyre Cable B Blue T Terminal block (SKH only)

Model Number Example SKH-M1JB-R

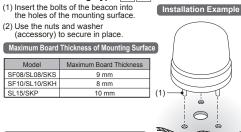
• Ø100 • 12 - 24 V DC • Cabtyre Cable • With buzze • Red color - 5 -

3 Part Names ■ Cable type J * The SF model has a rotary switch Globe inside of the globe. Rotary switch (SF model only) Nameplate Case Buzzer Opening (Model with Buzzer Only) Cabtyre Cable Front View Terminal block type T KT Nameplate Globe Terminal block Rotary switch (SF model only) Nameplate Case Bottom View Front View Buzzer Opening (Model with Buzzer Only) Accessory List Model Name QTY SFDD-DDKT/SLDD-DDKT Mounting Bracket, Waterproof Sheet 1 SE08-DDJ/SL08-DDJ/SKS Model M4 Nut Plain Washer 3 SE10-DU/SL10-DU/SKH Model M5 Nut, Plain Washer 3 SI 15-DDJ/SKP Model M8 Nut Plain Washer 3 4 Installation

Notice . Ensure that the product is installed in an environment that meets the following conditions:

- Where excessive vibration is not present - On a sturdy surface
- On a level surface.
- When it is necessary to waterproof the backside of the installation surface; - Provide a sealant coating around the nuts of the backside of the installation
- surface
- Waterproof the cable mounting area. Ensure that the product is mounted upright when installed outdoors.
- Ensure that the speaker is facing forward when installing the buzzer models.
- Depending on your operating environment, additional waterproofing may be required on the Terminal Block openings for SKH-M T models.

■ 3-Screw Mounting Type J T

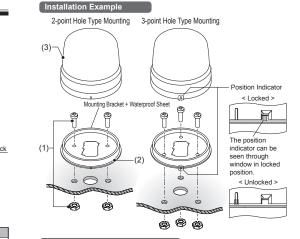


- 2-point Hole Type Mounting (SF SL Models) 3-point Hole Type Mounting (SL15 Model Only)
- (1) Use the screws or bolts, nuts, to secure the mounting bracket (accessory) to the mounting surface.
- (Installation screws and nuts are not included with this product. Binding head screws or pan head screws are recommended.)

Model	of Mounting Bracket	Nominal Diameter
SF08/SL08	4.4 mm	M4
SF10/SL10	5.7 mm	M5
SL15	4.8 mm	M8

(2) Check that the O-ring is not twisted.

(3) Align the main unit of product with the positioning Indicator and turn it clockwise to lock it. - 6



Installation Dimensions

Refer to the "Installation Manual"

. Use a soft cloth moistened with water to clean the globe or case. (Do not use thinner, benzine, gasoline or oil.)

Note . The type with a buzzer, if the buzzer opening is splashed with water, the Sound Pressure Level may drop.

5 Wiring

 Make sure the power is OFF before wiring. A short circuit ▲ Caution may damage internal circuits. . Ensure the proper working voltage is used. Any mistake in wiring may result in

damage. Do not pull the wire, or stuff it inside of this case.

 Be sure the wiring is done properly. Any mistake in wiring may result in damage. In the M2 model, do not perform blinking control by turning the power supply

- ON / OFF. Any mistake in wiring may result in damage.
- Do not apply a voltage to the common wire. (M1 type) Do not apply a voltage to any wire other than the power supply wire. (M2 type)

Failure to comply will result in product damage.(except buzzer wire of SKH-M1) Do not expose the wiring from the device. If tension is applied to the wiring, the wiring may be disconnected, resulting in a short circuit or an electric shock. Use either a Contact Switch or Contact Relay for External Contact that power supply wire of SF, SL, SK Models and buzzer wire of SK Model. Failure comply may result in fire, product malfunction.



[External contact capacity of power supply wire]

M2 M1 Current Capacity (Is) 1A or more 3A or more

[External contact capacity of signal wire and buzzer wire] SE · SI Models

	M1	M2
Current Capacity (Is)	10 mA or more	10 mA or more
Withstand Voltage (Vs)	20 V or more	20 V or more
Leakage Current* (IL)	0.1 mA or less	0.1 mA or less
t When using an NDN open collector transistor		

/hen using an NPN open-collector transis

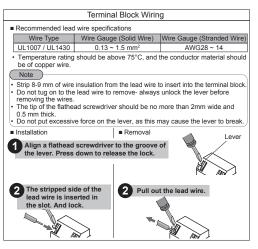
SK Model			
	M1	M2	
Current Capacity (Is)	0.5 A or more	0.5 A or more	
Withstand Voltage (Vs)	35 V or more	20 V or more	
[Fuse]			
Fuse Rating	250 V 1 A		

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Wiring Example

Refer to the "Installation Manual"

Terminal block type T KT



6 Specifications

Model	Rated Voltage	
SF08-M1/SF10-M1	12 - 24 V DC (Non-polar)	
SF08-M2/SF10-M2	100 - 240 V AC (50/60 Hz)	
SL08-M1/SL10-M1/SL15-M1	12 - 24 V DC (Non-polar)	
SL08-M2/SL10-M2/SL15-M2	100 - 240 V AC (50/60 Hz)	
SKS-M1J/SKH-M1J/SKP-M1J	12 - 24 V DC (Non-polar)	
SKS-M2J/SKH-M2J/SKP-M2J	100 - 240 V AC (50/60 Hz)	
SKH-M1T	12 - 24 V DC (Non-polar)	
SKH-M2T	100 - 240 V AC (50/60 Hz)	

<Conformity Standards>

EMC Directive (EN61000-6-4, EN61000-6-2)

RoHS Directive (EN50581)
UL508, CSA-C22,2 No.14 (File No. E215660)

FCC Part 15 Subpart B Class A

<Conformity requirements for the CE Marking> This product conforms to EN standards and shows the CE Marking. This product has been tested and found to comply with the limits for a Class A device, pursuant to EMC DIRECTIVE. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This product must not be used in residential areas. <Conformity to FCC Compliance>

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. The equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in aresidential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense

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