PATLITE.

INSTRUCTION MANUAL Rotating Beacons TE SKS / SKH / SKP **Multi-function Beacons** ©Y23 SF08 / SF10 Flashing Beacons **W23** SL08 / SL10 / SL15

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)

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

- 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.

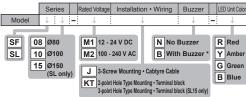
 When this product is used for security purposes, it should be inspected daily. In case a malfunction should occur, it is recommended that you use this
- product together with other security products.
- After installation, do not use this product to climb up onto the equipment with. Failure to comply will result in product damage and/or falling off the machinery.

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

- 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

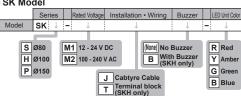


* KT only(SL15 : No Buzzer)

Model Number Example SF08-M1KTB-R

Ø80 • 12 - 24 V DC • 2-point hole type mounting • Terminal block

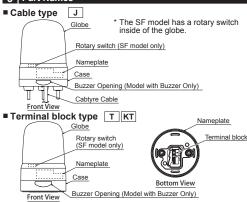
■ SK Model



Model Number Example SKH-M1JB-R

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

3 Part Names



Accessory List

Model	Name	QTY
SFOO-OOKT/SLOO-OOKT	Mounting Bracket, Waterproof Sheet	1
SF08-□□J/SL08-□□J/SKS Model	M4 Nut, Plain Washer	3
SF10-□□J/SL10-□□J/SKH Model	M5 Nut, Plain Washer	3
SL15-□□J/SKP Model	M8 Nut, Plain Washer	3

4 Installation

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

- 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

(1) Insert the bolts of the beacon into the holes of the mounting surface.





Refer to the "Installation Manual"

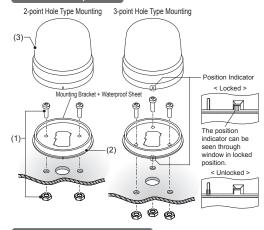
■ 2-point Hole Type Mounting (SF • SL Models) 3-point Hole Type Mounting (SL15 Model Only)

(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.

Screw Hole Depth of Mounting Bracket	Nominal Diameter
4.4 mm	M4
5.7 mm	M5
4.8 mm	M8
	of Mounting Bracket 4.4 mm 5.7 mm

- (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.

Installation Example



Installation Dimensions

Refer to the "Installation Manual"

↑ Caution • 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
- 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)

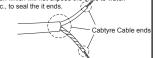
 Do not expose the wiring from the device. If tension is applied to the wiring, the wiring may be disconnected, resulting in a short circuit or an electric shock.
- Use either a Contact Switch or Contact Relay for External Contact that power supply wire of SF, SL, SK Models and buzzer wire of SK Model.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

Notice

• The protection rating does not include the Cabtyre Cable

If the ends of the it are in contact with water or exposed to dew or condensation, refer to the indications below to dress the wire ends for water

Connect the it ends in a location which will not expose the ends to water. Use Fillers, such as silicon, etc., to seal the it ends.



[External contact capacity of power supply wire]

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

[External contact capacity of signal wire and buzzer wire] SF • 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

* When using an NPN open-collector transistor.

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]		

Wire Type / Wire Gauge

Wire Type : UL2464

Wire Gauge : M1 AWG22

M2 Power Supply Wire AWG18 Excluding Power Supply Wire AWG24

Wiring Example

■ Recommended leg

be of copper wire.

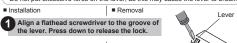
Refer to the "Installation Manual"

Terminal Block Wiring	
ead wire specifications	

Wire Type Wire Gauge (Solid Wire) Wire Gauge (Stranded Wire) UL1007 / UL1430 0.13 ~ 1.5 mm² AWG28 ~ 14 · Temperature rating should be above 75°C, and the conductor material should

Note

- Strip 8-9 mm of wire insulation from the lead wire to insert into the terminal block. Do not tug on to the lead wire to remove- always unlock the lever before
- removing the wires. The tip of the flathead screwdriver should be no more than 2mm wide and
- Do not put excessive force on the lever, as this may cause the lever to break







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 ugital vertice, pursuant or a mental transfer and the reverse initia are usually 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

(Note) • Dimensions and specifications may change without notice due to

Dimensions a unit speculications may consing window trade to continual product improvement.
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