Manuals+ — User Manuals Simplified.

PATLITE SF08 Multi-Function Beacons Instruction Manual

PATLITE®

PATLITE SF08 Multi-Function Beacon

Notice to Customer

- 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.
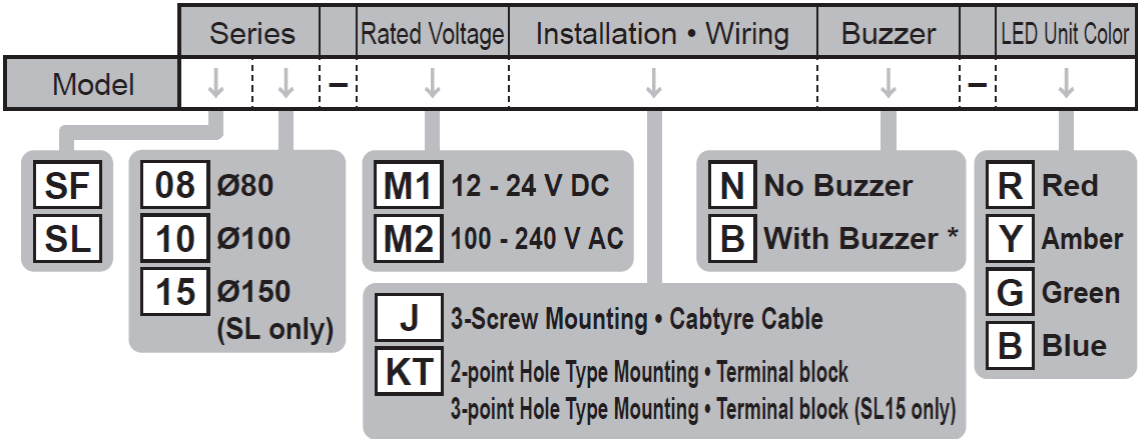
Safety Precautions

- 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.
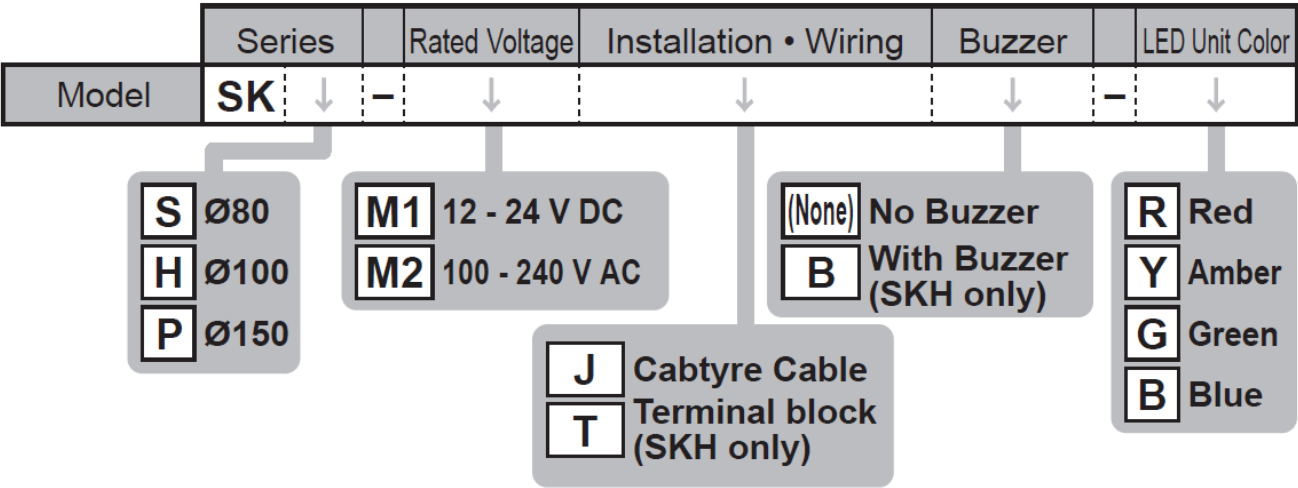
Caution

- 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.

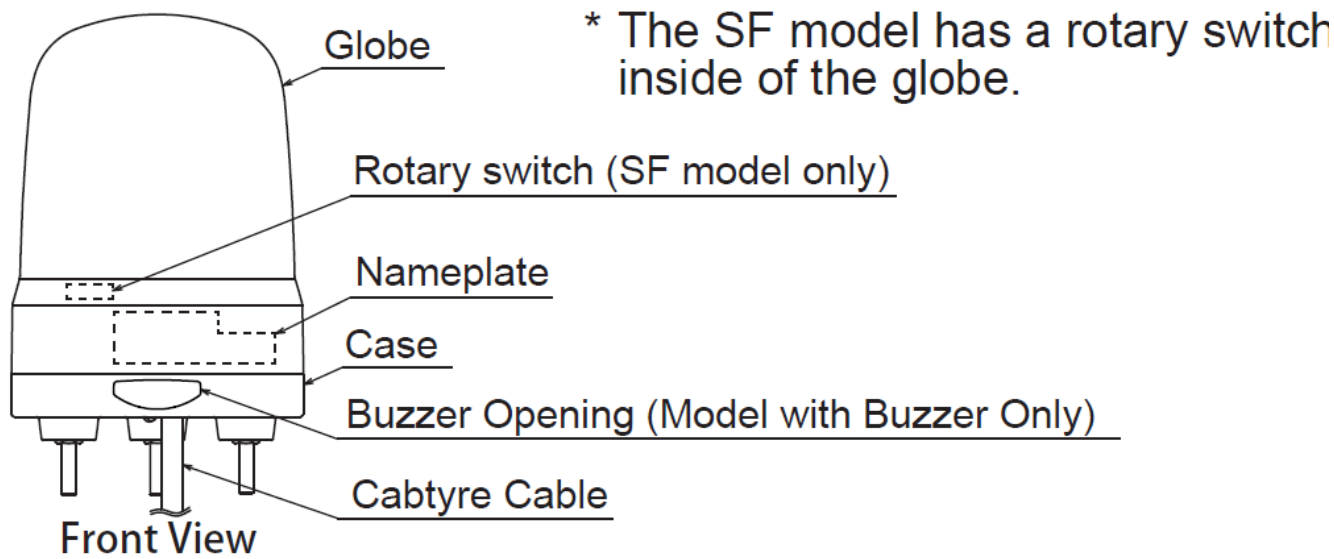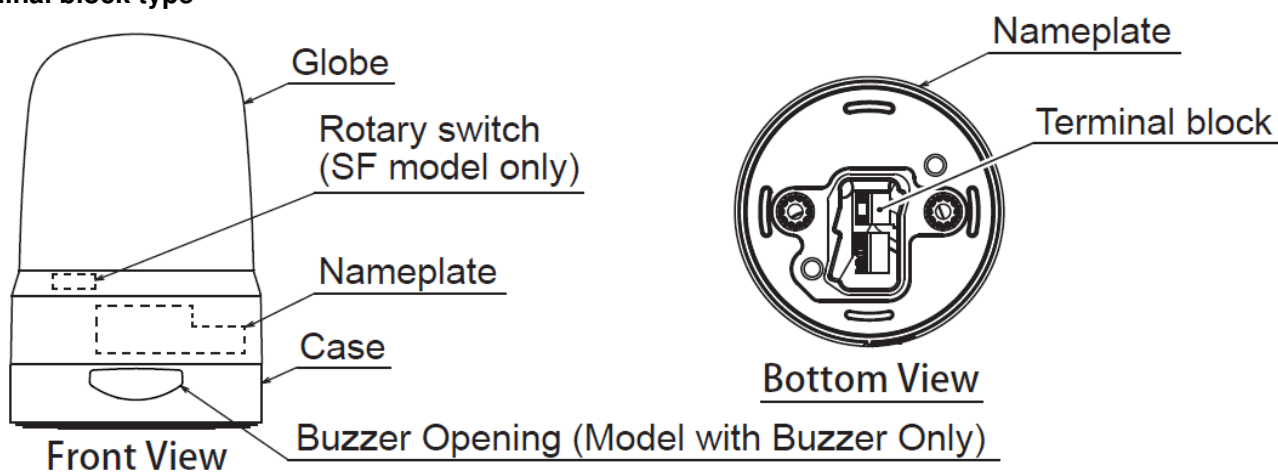## Model Number Configuration

SF • SL Models

	Series	Rated Voltage	Installation • Wiring	Buzzer	LED Unit Color
Model	↓ ↓ –	↓	↓	↓ –	↓

Series:
SF
SL
- 08 Ø80
- 10 Ø100
- 15 Ø150 (SL only)

Rated Voltage:
- M1 12 - 24 V DC
- M2 100 - 240 V AC

Installation • Wiring:
- J 3-Screw Mounting • Cabtyre Cable
- KT 2-point Hole Type Mounting • Terminal block
3-point Hole Type Mounting • Terminal block (SL15 only)

Buzzer:
- N No Buzzer
- B With Buzzer *

LED Unit Color:
- R Red
- Y Amber
- G Green
- B Blue

SK Model

	Series	Rated Voltage	Installation • Wiring	Buzzer	LED Unit Color
Model	SK ↓ –	↓	↓	↓ –	↓

Series:
- S Ø80
- H Ø100
- P Ø150

Rated Voltage:
- M1 12 - 24 V DC
- M2 100 - 240 V AC

Installation • Wiring:
- J Cabtyre Cable
- T Terminal block (SKH only)

Buzzer:
- (None) No Buzzer
- B With Buzzer (SKH only)

LED Unit Color:
- R Red
- Y Amber
- G Green
- B Blue

Part Names

Cable type

Globe

Rotary switch (SF model only)

Nameplate

Case

Buzzer Opening (Model with Buzzer Only)

Cabtyre Cable

Front View

* The SF model has a rotary switch inside of the globe.

Terminal block type

Globe

Rotary switch (SF model only)

Nameplate

Case

Buzzer Opening (Model with Buzzer Only)

Front View

Nameplate

Terminal block

Bottom View

Accessory List

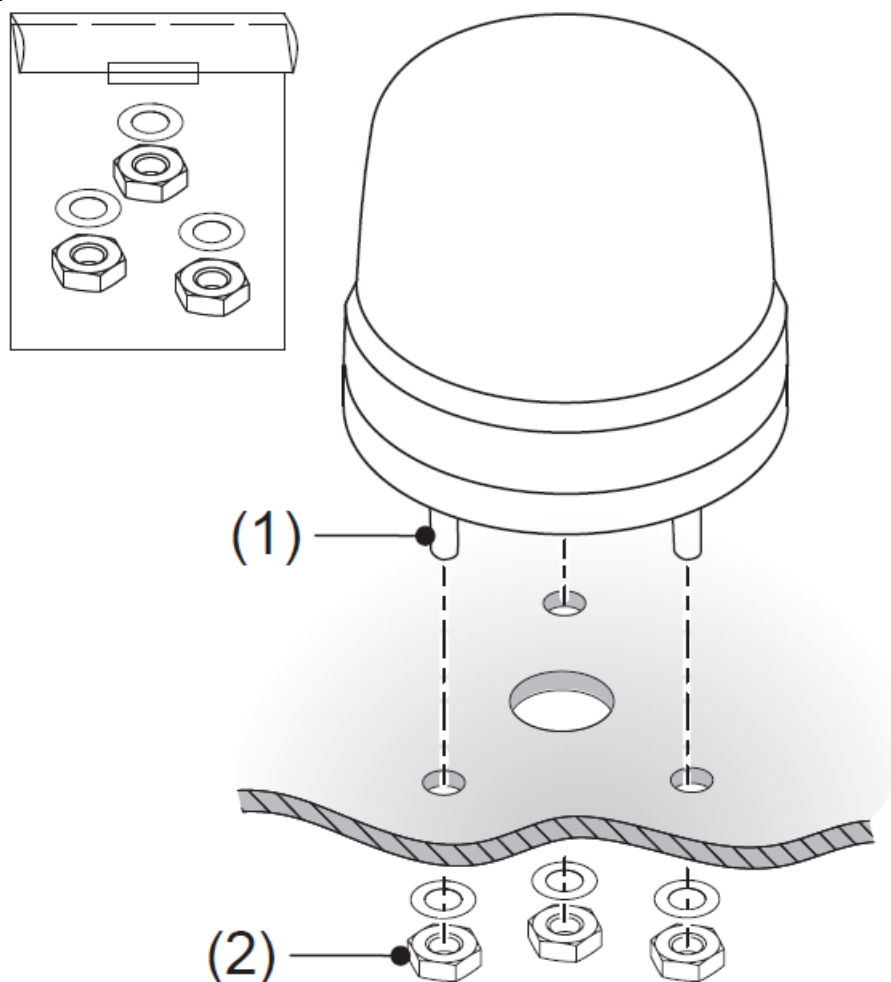| Model	Name	QTY
SF□□-□□KT/SL□□-□□KT	Mounting Bracket, Waterproof Sheet	1
SF08-□□J/SL08-□□J/SKS Model	M4 Nut, Plain Washer	3
SF10-□□J/SL10-□□J/SKH Model	M5 Nut, Plain Washer	3
SL15-□□J/SKP Model	M8 Nut, Plain Washer	3

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.

Screw Mounting Type

Insert the bolts of the beacon into the holes of the mounting surface. Use the nuts and washer (accessory) to secure in place.

Maximum Board Thickness of Mounting Surface

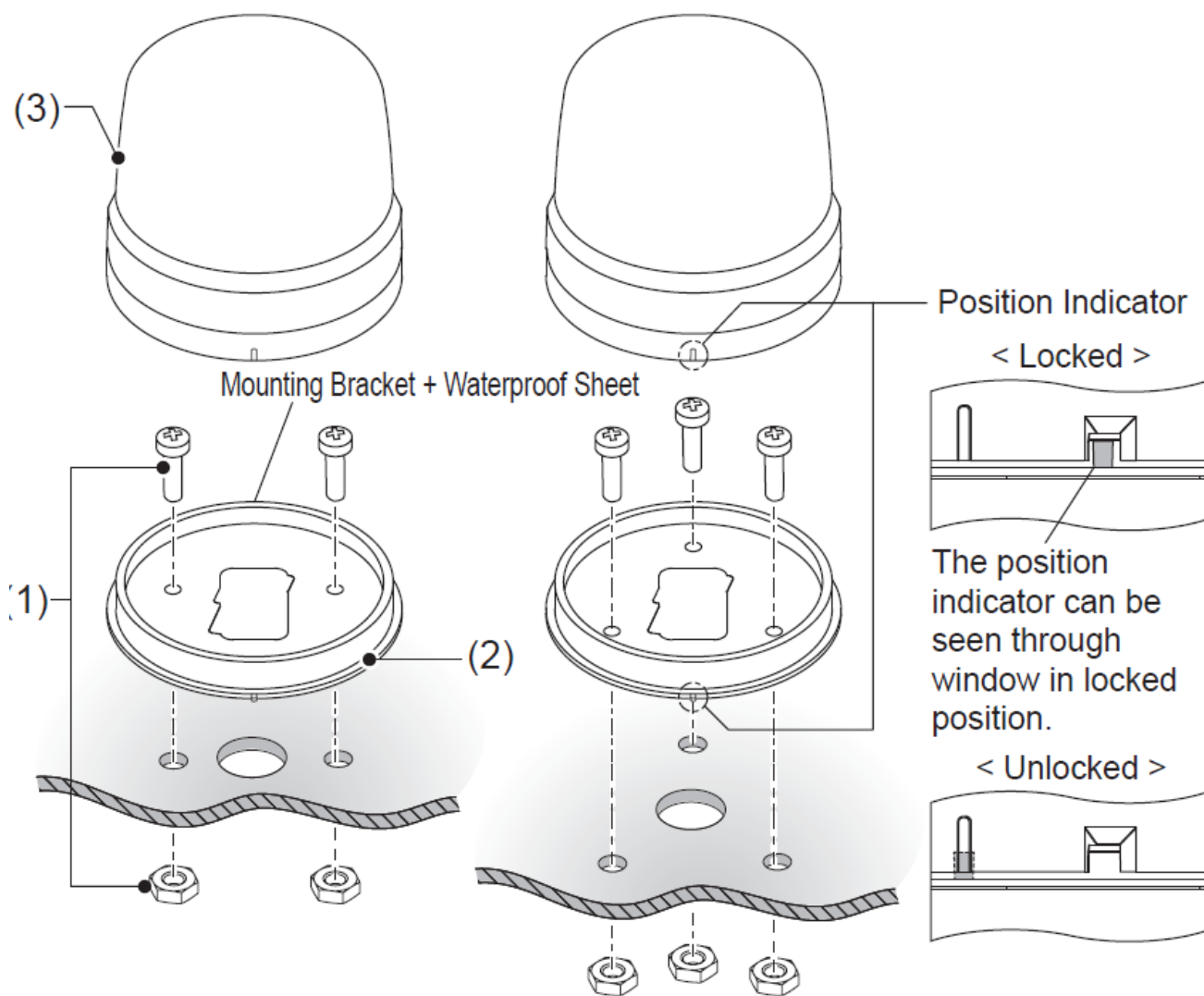| Model	Maximum Board Thickness
SF08/SL08/SKS	9 mm
SF10/SL10/SKH	8 mm
SL15/SKP	10 mm

Installation Dimensions

Refer to the "Installation Manual".

point Hole Type Mounting (SF・SL Models)/ point Hole Type Mounting (SL15 Model Only)

2-point Hole Type Mounting 3-point Hole Type Mounting

Position Indicator
< Locked >

The position indicator can be seen through window in locked position.

< Unlocked >

Mounting Bracket + Waterproof Sheet

(3)
(1)
(2)

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

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

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

Installation Example

Installation Dimensions
Refer to the "Installation Manual".

Wiring

1. Make sure the power is OFF before wiring. A short circuit may damage internal circuits.
2. Ensure the proper working voltage is used. Any mistake in wiring may result in damage.
3. Do not pull the wire, or stuff it inside of this case.
4. 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.
5. Do not apply a voltage to the common wire. (M1 type)
6. 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.
7. Use either a Contact Switch or Contact Relay for External Contact that power supply wire of SF, SL, SK Aodels and buzzer wire of SK Model. Failure comply may result in fire, product malfunction.

Notice

1. The protection rating does not include the Cabtyre Cable ends.
2. If the ends of it are in contact with water or exposed to dew or condensation, refer to the indications below to dress the wire ends for water resistance.
3. – Connect it ends in a location that will not expose the ends to water.
   – Use Fillers, such as silicon, etc., to seal the ends.

[External contact capacity of power supply wire]

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

	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

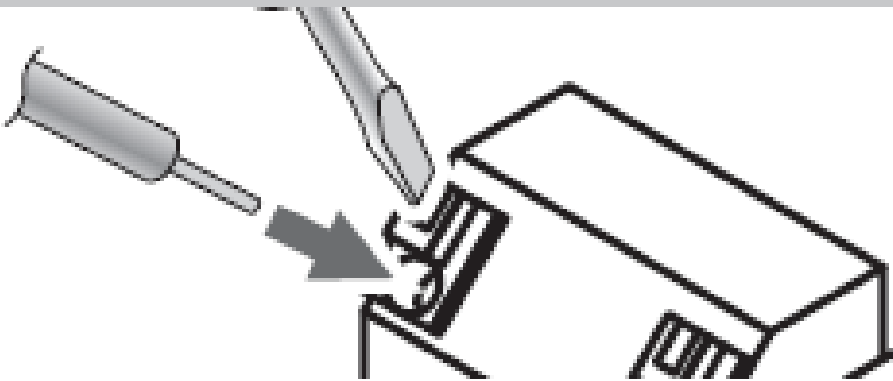|	M1	M2
Current Capacity (Is)	0.5 A or more	0.5 A or more
Withstand Voltage (Vs)	35 V or more	20 V or more

Wire Type / Wire Gauge

- Wire Type: UL2464
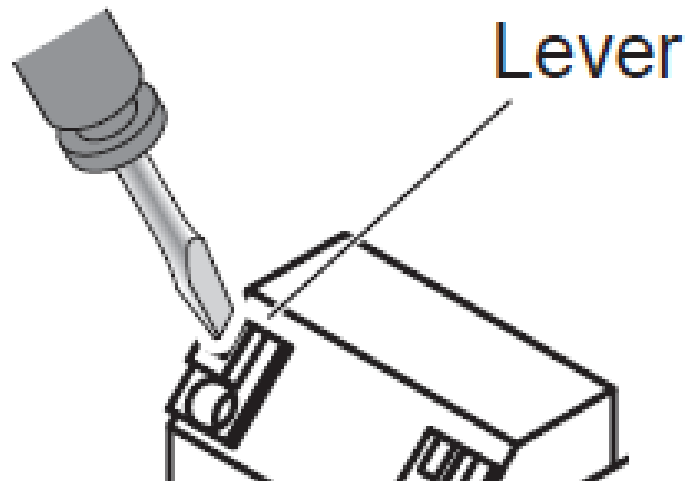- Wire Gauge: M1 AWG22
- Power Supply Wire AWG18
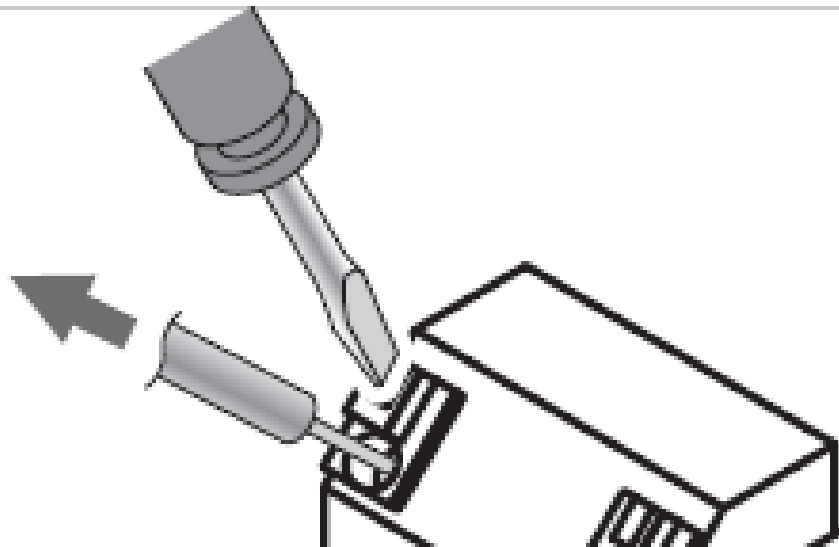
- Excluding Power Supply Wire   AWG24

Wiring Example
Refer to the "Installation Manual".

Removal

Lever

Pull out the lead wire.

Terminal Block Wiring

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

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. 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 a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

(Note) Dimensions and specifications may change without notice due to PATLITE and the PATLITE logo is a trademark or registered trademark of the PATLITE Corporation of Japan and each country.

(Importer for EU)
PATLITE Europe GmbH Am Soeldnermoos 8, D-85399 Hallbergmoos, Germany

Documents / Resources

PATLITE SF08 Multi-Function Beacons [pdf] Instruction Manual
SF08, Multi-Function Beacons, SF08 Multi-Function Beacons, SF10, SL08, SL10, SL15, Flashing Beacons

References

- 🚨 **[PATLITE - New Frontiers in Safety, Security and Comfort.](#)**

Manuals+,