

Model **PFH-BT**
User's Manual

Thank you for purchasing our PATLITE battery-operated Flashing Signal Light (Henceforth, "this product").

- Prior to installation, read through this manual for proper installation and precautionary steps.
- Store this manual in a location for future reference.
- When performing maintenance and repairs, etc., be sure to reread this book.
- If there are any questions concerning this product, refer to the information on the last page to ask your nearest PATLITE Sales Representative.

1. Notes to observe before operation

Safety Precautions In order to prevent any damage to the user and other personnel or to assets, note the following:

Warning Displays the warning "Failure to follow warning may lead to death or severe injury."

- Do not use this product for any applications which would affect a human life, nor an application which may lead to injury of a human.
- When this product is used for security purposes, it should be inspected daily, and to be used in conjunction with other security products, in case a malfunction should occur.
- Do not modify or disassemble the product. Failure to comply may result in fire or electric shock.
- Do not use the product where condensation may form. Failure to comply may result in fire or electric shock.
- Do not use the product when there is damage to parts or the batteries. Failure to comply may result in fire or electric shock.
- Do not look directly into the light source during operation of this product. The excessive brightness may impair vision.

• Since there is a hazard of blindness if the battery liquid gets into the eye, immediately wash with clean water and request medical attention. If battery liquid leakage adheres to the skin or clothes, wash away with water.

Caution Displays the warning "Failure to follow warning may lead to impairment or physical hindrance."

- Beware of the following when using this product. Failure to comply may result in falling off the machinery or product damage may occur.
 - Do not install this product in an inverted direction.
 - Do not attach and operate this product on vehicles.
 - Do not use this product where the magnet can rust or iron powder etc., can collect.
 - Do not install in a location which blocks a walkway, or **where excessive vibration and shock is present.**
- Do not drop the product. Possible damage may be inflicted on the magnet, battery, or Main Unit (Globe, Body, etc.). Using the product in this condition may result in fire or injury. The replacement parts for the globe and base are available.
- Since there is a possibility of damage, do not bring magnetic objects (magnetic card etc.) too close.
- Do not mistake the positive (+) and negative (-) battery pole polarities. Moreover, do not use a modified or considerably damaged battery. Possible generation of heat, liquid leakage and rupturing may occur.
- Do not mix the old and new alkaline dry cell batteries.
- Be sure to use the designated battery. Possible cause of fire or failure may result.
- If this product is not used for a long time, remove the batteries. Possible cause of fire or failure may result.
- Do not exchange the batteries, or install this product in a place where it can be exposed directly to water. Possible cause of failure may occur.

This symbol indicates "Prohibited", which should not be carried out by all means.

This symbol indicates "Enforced", which should be observed and carried out by all means.

Caution

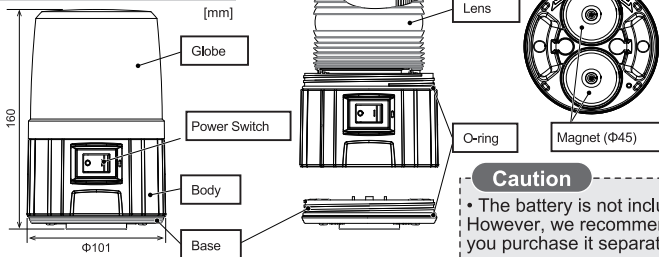
- Dew may collect inside the globe in environments where large changes of temperature are present.
- In order to maintain waterproof performance, it is recommended to periodically change the O-rings.
- Damage to the Globe, Body, etc., may happen if strong shocks occur.
- The battery lifespan and operating temperature is dependent upon the brand of battery used.
- Remove the batteries and store this product indoors when not using it.
- When discarding exhausted batteries, dispose of them in accordance with the local laws.

2. Model Configuration, Part Names and Dimensions

-Model Configuration-

PFH-BT-□
Color R: Red
Y: Amber

-Part Names (Dimensions)-



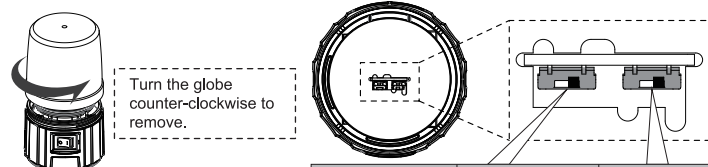
Caution

- The battery is not included. However, we recommend you purchase it separately.

3. Settings

The slide switch is located on the upper part of the lens and can be accessed by removing the globe. It can be selected between "Flash Pattern" and "Flashing Mode."

Flash Pattern	Flashing Mode
Double-flash: Two short flashes are emitted.	Power Mode: A high-intensity flash is emitted.
Single-flash: One short flash is emitted.	Eco Mode: A low-intensity flash is emitted.



* After completing the set up, when closing the globe, follow the procedure for "Globe Locking Position."

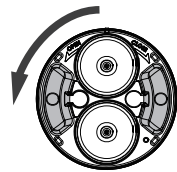
Switch Direction	Flash Pattern	Flashing Mode
	Double-flash	Power Mode
	Single-flash	Eco Mode

Caution

- Be sure to turn OFF the power switch before changing the settings.

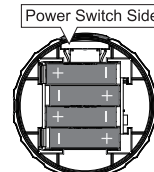
4. Operating Directions

-Removing the Base-



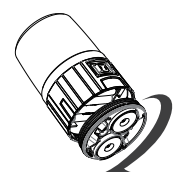
Turn counter-clockwise to remove the base.

-Battery Installation-



Place four batteries in the battery box.

-Closing the Base-

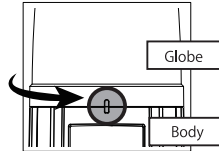


The base is turned clockwise to close.

Caution

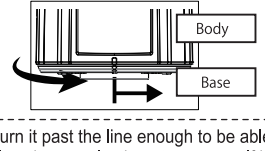
- Only use AA (LR6) alkaline dry cell batteries.
- Be sure to set the positive (+) and negative (-) correctly when inserting.

-Globe Locking Position-



Be sure to close the globe to where a "click" sound is made and the two lines in the shaded area are aligned in position.

-Base Locking Position-



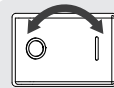
Turn it past the line enough to be able to close it securely; do not overturn. If it is tightened too much, there is a possibility that it may become difficult to open again.

Caution

- If it is not closed sufficiently, waterproof performance will not be maintained.

-Lighting Method-

Power Source OFF
(Non-flashing Condition)

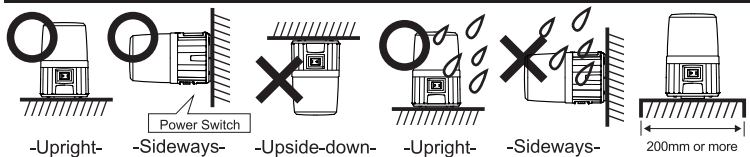


Power Source ON
(Flashing Condition)

Caution

- When the power switch is turned on and this product flashes six times, or the batteries are close to depletion, the lights may go out when the batteries are completely drained. The batteries need to be Changed.
- Even if it does not turn ON after switching the power switch, or it does not switch on the light, or if it is in a continuous high speed flashing status, turn OFF the power switch immediately and replace the batteries. The batteries need to be Changed.

5. Installation



Caution

- Do not install this product in a high location. Risk of injury and damage may occur due to falling.
- Do not attach this product to a vehicle. It may become a violation of Traffic Control Laws.
- Because the magnet is powerful, be careful not to pinch hands or fingers during installation.
- Be sure to attach onto a flat surface. Failure to comply may result in the possibility of falling from high places.
- Do not install on a place with shock or vibration. Failure to comply may result in the possibility of falling from high places.
- Do not install this product in a high location. Risk of injury and damage may occur due to falling.
- If the installation in a sideways direction, install it so that the power switch is facing downwards.
- Install in an upright position when placed in a wet environment. Failure to comply will result in degrading waterproofing performance.
- Be careful of the type of construction material and thickness of the installation location. Risk of falling due to the magnetism of the selected material may occur.

*Recommended: min. board thickness: 1.5mm; paint coating: ab. 60 micrometers

6. Replacement Parts

The following replacement parts are available. Visit our homepage for more details.

- O-ring
- Base
- Globe Red/Amber

7. Specifications

Power Supply	4 - AA (LR6) Alkaline dry cell batteries
Battery Lifespan	Power Mode: 24hrs. Eco Mode: 100hrs. *1 *2
Operating ambient temperature and humidity	-10°C to +50°C RH Below 90% No dew or condensation accumulation. (Battery is removed)
Mounting Location - Direction	Indoor/Outdoor - Upright/Sideways (Upright only in a wet environment)
Protection Rating	IP55(Upright)
Peak luminous intensity (Typ.)	Red: More than 40 cds Amber: More than 140 cds
Mass (Tolerance ±10%)	510g (Not including battery)
Compliance Standards	RoHS Directive (EN 50581), EMC Directive (EN61000-6-4, EN61000-6-2)

- *1 Battery lifespan changes drastically, based on the operating environmental conditions.
 *2 The data is based on ambient temperature of 25°C, alkaline dry cell (EVOLTA), and flash pattern set at double flash.

• Specifications may change without advance notification, due to constant improvements.

-Trademarks-

- "EVOLTA" is a registered trademark of the Panasonic Corporation in Japan.

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