

7. BEFORE REQUESTING SERVICE

* Please check the list shown below before requesting repairs. If the product still not work, please contact us for repairs. Please feel free to contact our sales office with any questions concerning the product.

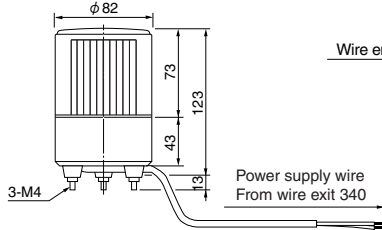
For inquiry, you are required to identify the number indicated at the name plate of the product.

Problems	Where to check	What to do
The bulb does not light. (PS,PSF type)	Is the power on?	Check the power wiring, plug connection and fuse. If a switch is installed, check to see that it is turned on.
	Is the light bulb burned out?	If it is, replace it with a new one.
It does not emit light. (PSX type)	Is the power on?	Check the power wiring, plug connection and fuse.
		If a switch is installed, check to see that it is turned on.

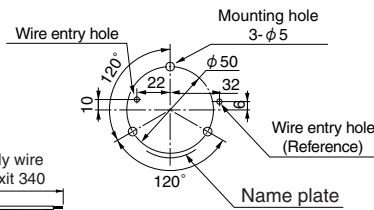
* Please note that any malfunction or damage resulting from modification by the warranty.

8. SPECIFICATIONS

1. Dimensions (mm)



2. Mounting Dimensions (mm)



3. Specifications

Model	Rated Voltage	Power Consumption	Bulb	Flashing cycle	Mass		
PS-12	12V AC/DC	10W	12V10W	60 Flashes per minute	0.3kg		
PS-24	24V AC/DC		24V10W				
PS-100	100V AC	9W	110V10W				
PS-120	120V AC	8.5W	140V10W				
PS-220	220V AC	10W	220V10W				
PS-240	240V AC		240V10W				
PSF-12	12V AC/DC	5W	12V10W			35 Flashes per minute	0.3kg
PSF-24	24V AC/DC		24V10W				
PSF-100	100V AC	4.5W	110V10W				
PSF-120	120V AC	4.5W	140V10W				
PSF-220	220V AC	5W	220V10W				
PSF-240	240V AC		240V10W				
PSX-100	100V AC	2W	Xenon	35 Flashes per minute	0.3kg		
PSX-120	120V AC						
PSX-220	220V AC						
PSX-240	240V AC						

Bulb Type : 12V, 24V Version Glass G18 Base BA15S
: 100V~240V Version Glass T20 Base E12

Power supply wire : wire type / dia	Power supply wire length
VCTFK/ 0.75mm ²	340mm

※ Dimensions and specifications are subject to change without prior notice.

4. Option

• Rubber mount : Type SZ-210

It serves the purpose of waterproofing and enables the unit to be mounted up side-down or sideways in an outdoor installations

• Wall-mounting fitting : Type SZ-007

Caution

- We are not in a position to be responsible for damage and trouble caused by handling against caution and warning described in instruction manual.

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'09. 4. AUTO

PATLITE

3165-J

B95100164
FB001

Signal Light Strobe Flash Light INSTRUCTION MANUAL

[TYPE : PS,PSF]
[PSX]

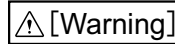
Thank you for purchasing a **PATLITE**. To ensure proper operation, please read this instruction manual thoroughly before attempting to use the system. Also, when undertaking maintenance, inspection or repair work, be sure to refer to this manual. If you have any questions regarding this product, please feel free to contact us.

TO OPERATE THIS PRODUCT SAFELY, PLEASE OBSERVE THE FOLLOWINGS

[NOTES TO BE OBSERVED FOR SAFE OPERATION]

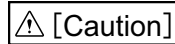
Note to be followed to prevent any damage to the user and other personnel or to assets are as follows:

■ The indications for warning are divided into the following classes according to the degree of danger or damage incurred when the warning is not taken into consideration and the product is not correctly used.



[Warning]

This symbol marks important instructions that, if ignored or incorrectly followed, could conceivably lead to death or serious injury.



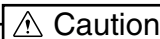
[Caution]

This symbol marks important instructions that, if ignored or incorrectly followed, could conceivably lead to injury or property damage.



[Warning]

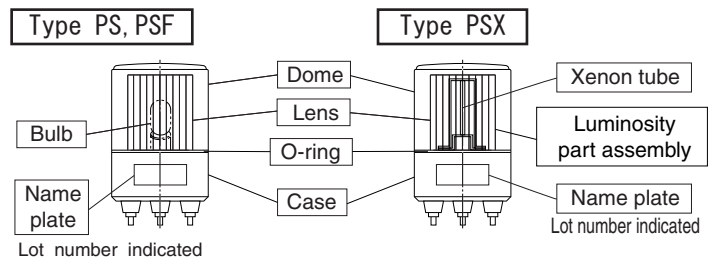
- Turn off the power supply before making wiring connections. Neglecting to do so may cause an electric shock.
- Wiring should be careful enough there to be for no mistake. If wiring is mistaken, an internal circuit will be damaged and it will become the cause of a fire.
- When the installation of this product requires the construction, please ask to specialist. Electric shock, fire and fall may occur.
- When you use this product for security purpose, routine inspection must be done. Just in case of emergency we recommend you to use this product together with other security product.
- Do not use this product without dome. It may cause electric shock.
- Make sure power is turned off and the temperature of electric bulb falls down for repair to avoid electric shock and burn.
- Make sure power is turned off when checking or changing a fuse to prevent danger of electric shock.
- Do not look closely at the light source while it is flashing. It can cause an injury to your eyesight. (Type PSX only)



[Caution]

- Use only specified operating voltage range. Excess voltage hastens degradation.
- Make sure to set fuse in a power supply side, please connect a fuse. To clean dome, lens and case, wipe with water or glass cleaner soaked soft cloth. Do not use thinner or benzine, gasoline, oil as these cause color change or deform the surface.

1. PARTS NAME



2. REPLACEMENT PARTS

The replacement parts are prepared. Please ask your local distributor for availability.

- Dome (per color)
- Bulb (per voltage):(PS,PSF type only)
- Fuse(250V 1A , 125V 3A) : (PSF Type only)
- O-ring

If you have question please feel free to contact us about other parts.

3. MODEL NO. CONFIGURATION

Specifications no	Rated voltage	Dome color	Specifications	Rated voltage	Dome color
no : Continuous lighting	12 :12V AC/DC	R : Red	X :Xenon	100 :100V AC	R : Red
F :Flashing lighting	24 :24V AC/DC	Y : Amber		120 :120V AC	Y : Amber
	100 :100V AC	G : Green		220 :220V AC	G : Green
	120 :120V AC	B : Bule		240 :240V AC	B : Bule
	220 :220V AC				
	240 :240V AC				

4. HOW TO MOUNTING

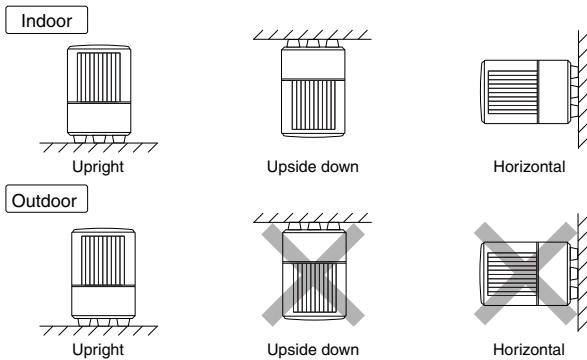
⚠ Caution

- When the installation of this product requires the construction, please ask to specialist. Electric shock, fire and fall may occur.
- When mounting the unit outdoors or in a place where water may splash on it, avoid inverted or sideways mount. If water seeps into the unit through the drain hole on the bottom of the case, then collects inside, it may cause an electric shock or short circuit.
- When installing the unit in a high place, choose the place where a foothold can be secured for case in repairs.

1. How to mount the unit

- Drill the specified holes for installation (see the dimensional drawings for each installation surface) in the area in which the unit is to be installed.
- Affix the unit using the supplied nuts, etc.

2. Orientation of mounted unit

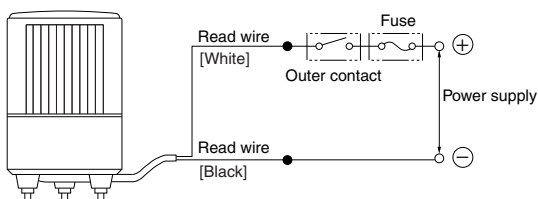


※ When operating the unit outdoors or in a humid place, we recommend that you use the SZ-210 rubber mount(optional)in order a short circuit.

5. HOW TO MAKE WIRING CONNECTION

⚠ Caution

- Turn off the power supply before making wiring connections. Neglecting to so may cause an electric shock.
- When you have questions for the method of special operation or plural units operation, we recommend you to ask our sales office before wiring.
- Wiring should be careful enough there to be for no mistake. If wiring is mistaken,an internal circuit will be damaged and it will become the cause of a fire.
- Make sure to set fuse in a power supply side, please connect a fuse.



※When 12,24V DC is used, make a black line a ⊖.

※Use the following rating for external contacts and fuses such as switches.

Model	Current consumption	Contact capacity	Fuse
PS (F) -12	0. 8A	$I_s \geq 1A$ $V_s \geq 25V DC$	3A
PS (F) -24	0. 45A	$I_s \geq 0. 5A$ $V_s \geq 35V DC$	3A
PS (F) -100	0. 09A	$I_s \geq 0. 2A$ $V_s \geq 120V AC$	1A
PS (F) -120	0. 09A	$I_s \geq 0. 1A$ $V_s \geq 250V AC$	1A
PS (F) -220	0. 05A	$I_s \geq 0. 1A$ $V_s \geq 250V AC$	1A
PS (F) -240	0. 05A	$I_s \geq 0. 1A$ $V_s \geq 500V AC$	1A
PSX-100	0. 02A	$I_s \geq 0. 1A$ $V_s \geq 120V AC$	0. 3A
PSX-120	0. 02A	$I_s \geq 0. 1A$ $V_s \geq 250V AC$	0. 3A
PSX-220	0. 01A	$I_s \geq 0. 1A$ $V_s \geq 250V AC$	0. 3A
PSX-240	0. 01A	$I_s \geq 0. 1A$ $V_s \geq 500V AC$	0. 3A

※ I_s =Current capacity V_s =Withstand voltage

6. MAINTENANCE

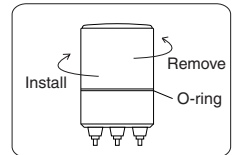
⚠ Caution

- Make sure power is turned off and the temperature of electric bulb falls down for repair to avoid electric shock and burn.
- Do not use any bulb other than specified on name plate.

1.Change dome

Please follow the procedure mentioned below to change the dome.

- ① Make sure power is turned off when changing dome.
- ② The dome can be easily removed by turning to dome.
- ③ Install new dome to case by turning to right.



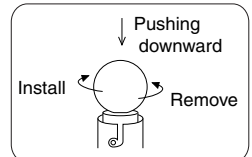
※Be sure to reinstall the rubber packing to the case one size for all applications or the unit will no longer be splash proof.

2.Change bulb

Type PS(F) 12V, 24V Version

Please follow the procedure mentioned below to change the bulb.

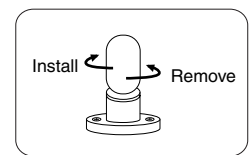
- ① Make sure power is turned off when changing bulb.
- ② Remove dome. (Refer to the "Change dome ")
- ③ The bulb can be easily removed by pressing it downward to turn to left.
- ④ The new bulb can be easily installed by pressing it downward to turn to right.
- ⑤ Install dome. (Refer to the " Change dome ")



Type PS(F) 100V~240V Version

Please follow the procedure mentioned below to change the bulb.

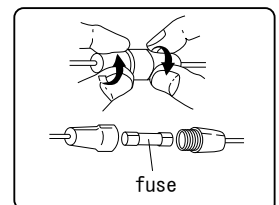
- ① Make sure power is turned off when changing bulb.
- ② Remove dome. (Refer to the "Change dome ")
- ③ Remove bulb by means of turning to left.
- ④ Install new bulb by means of turning to right.
- ⑤ Install dome. (Refer to the " Change dome ")



3.Change fuse Type PSF only

Please follow the procedure mentioned below to change the fuse.

- ① Make sure power is turned off when changing dome.
- ② Remove dome. (Refer to the "Change dome ")
- ③ Remove two screws.
- ④ Remove the fuse from fuse holder.
- ⑤ Install two screws.
- ⑥ Install dome. (Refer to the " Change dome ")



Please make sure to use rated ampere fuse for replacement