

2122-C

A95100124

Revolving warning light
PATLITE®

Manual

MODEL:KG

Read this manual carefully for the correct handling procedures before using, and for repair and maintenance. Keep this manual with care for future reference. In addition, if you have question with regard to the product, contact Patlite export department or its authorized distributor.

Symbols used in this manual

The symbols shown below appear in this manual. They are intended to ensure the safe use of your new product, and to prevent property damage and injury to you, property and others. The meanings of these symbols are explained below.

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.

1. Instructions for safety

Warning

- To avoid short-circuit and electric shock, turn off before connecting cables.
- Do not use and leave the product with the dome broken or removed.
- Handle the product carefully. The dome (plastics) is fragile and it may cause injury.
- To use this product safely, give daily check, make a trial running with other instruments at the same time to make sure defects and troubles are free.
- If you need a construction for the installation, avoid electric shock, a fire and a fall; ask a professional engineer to install the product.

Caution

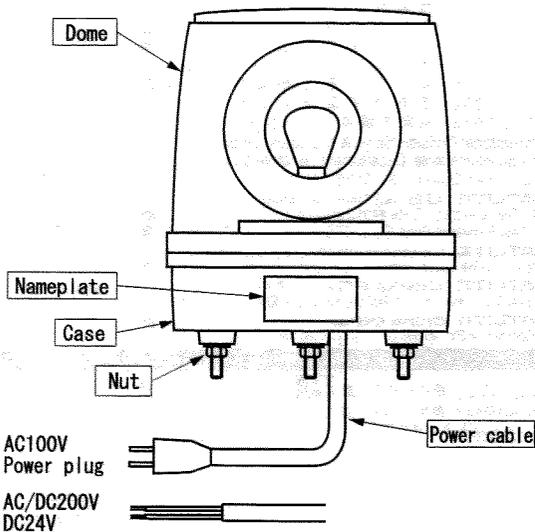
- To prevent damage to the product, do not lift up the product with the electric cable.
- To avoid accidents by a malfunction of the indication, do not use this product near flame or in corrosive and flammable gases environment.

2. Model name

KG - □ □ □

- Voltage
- 12: DC12V
 - 24: DC24V
 - 100: AC100V
 - 200: AC200V~AC240V

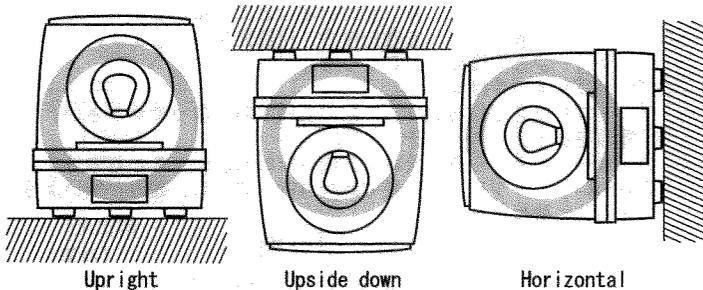
3. Part name



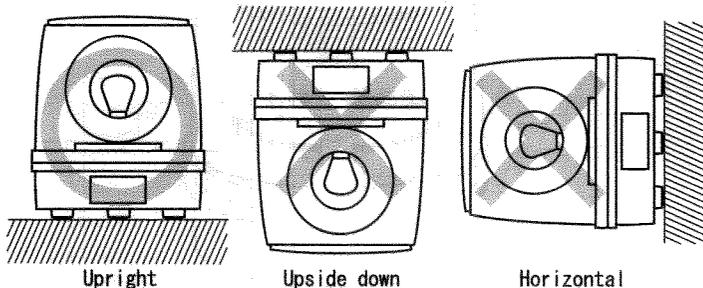
4. Installation

- Drill and make holes where you want to install the product by reference to the dimensional drawing for the installation. (See "9. Specifications")
- Fix the product using the provided nuts.
 - * It is convenient for you to refer the dimensions of the provided paper pattern for KG.
- Maximum board thickness that you can install the product is 8mm.
- The direction of the product that you can install is as follows.

【Indoor】



【Outdoor】



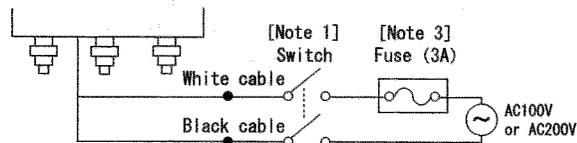
Caution

- If you install the product on high place, choose the place where it is easy to perform maintenance of the product.
- To avoid lost lighting, electric shock and burnout of power source, do not install the product horizontally and upside down in the place where it get wet. If water goes into the product, it will cause short circuit.

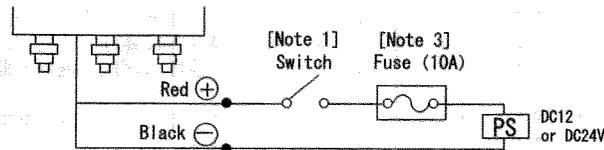
5. Wiring

* Cable diagram

• AC100V, AC200V Specification [Note 2]



• DC12, DC24V Specification



[NOTE 1] Choose the switches and relays in consideration of the starting current. The starting current must be within 5 times as high as the rated current.

[NOTE 2] The model of AC100V is provided with a power plug.

[NOTE 3] To avoid the power source burnout, install the fuse as shown in the above.

Caution

- To avoid short circuit and electric shock, turn off before connecting cables.
- To check with cable diagram for proper connection.

6. Maintenance and check

1. Check tightening torque of the screws for secure mounting.
2. Clean the dome by soft cloth with water. (Do not clean the dome by oil, paint thinner, benzine, gasoline, or other petroleum products.)
3. Change the dome if it is fogged, the fogged dome deteriorates lighting performance.

<How to change the dome>

Refer the procedure as follows when you change the dome.

- ① Turn off power. (Turn off a switch.)
- ② Remove the dome by twisting it counterclockwise of its top view.
- ③ Fit the new dome by twisting it clockwise of its top view and tighten firmly.

Dome replacement

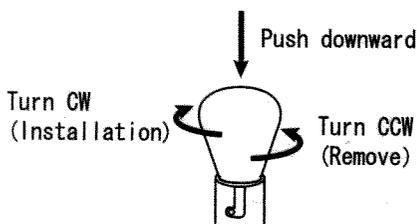


<How to change a bulb>

Refer the procedure as follows when you change a bulb.

- ① Turn off power. (Turn off a switch.)
- ② Push the bulb downward and remove the bulb by twisting it counterclockwise.
- ③ Push the new bulb downward and fit the bulb by twisting it clockwise.

* To avoid failure of the product and burnout of power source, use the bulb specified in "9. Specifications".



7. Precautions

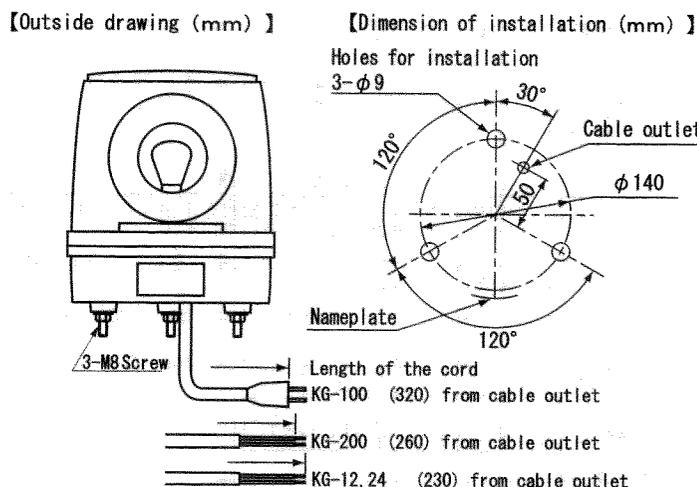
- The life of bulb becomes shorter in such condition of vibration, follow instruction mentioned below.
 - Avoid installing the product in conditions of a vibration and a shock.
 - Avoid installing the product at a pillar or a wall in conditions of a vibration and a shock, and use a swifter or an angle that have enough strength against a wind and a vibration.
- To avoid short circuit and electric shock, turn off power before connecting cables.
- To avoid failure and deterioration of the production, use it in the rated voltage.
- Do not use and leave the product with the dome broken or removed.
- If you install the product on high place, choose the place where it is easy to perform maintenance of the product.
- Take safety measures for the unexpected troubles as bulb may brake, lost lighting, fuse blowout, and rotation stop.
- Confirm the working voltage of the product.
- Do not pull the power cord and do not squash up it when you make wiring.
- Do not lubricate to the motor, it makes the motor stop.

8. Repair parts

The repair parts mentioned below are available. Ask us for the repair parts, if required.

Dome Red	Rotor Rubber
Dome Amber	Manual

9. Specifications



[Specifications]

Model name	KG-100	KG-200	KG-12	KG-24
Rated voltage	AC100V	AC200V~AC240V	DC12V	DC24V
Rated current	320mA	at AC200V 110mA at AC240V 130mA	2.7A	1.2A
Bulb	120V 40W	240V 30W	12V 35W	24V 35W
Flashes per minute (at room temperature)	200	at AC200V 160 at AC240V 200	200	
Temperature range of operation	-3 0°C ~ +6 0°C			
Water resistance	IP23			
Mass	0.9kg		0.7kg	

● Specifications subject to change without notice.

Caution

We are not responsible for damage and trouble, when caution and warning described in this manual are not followed.

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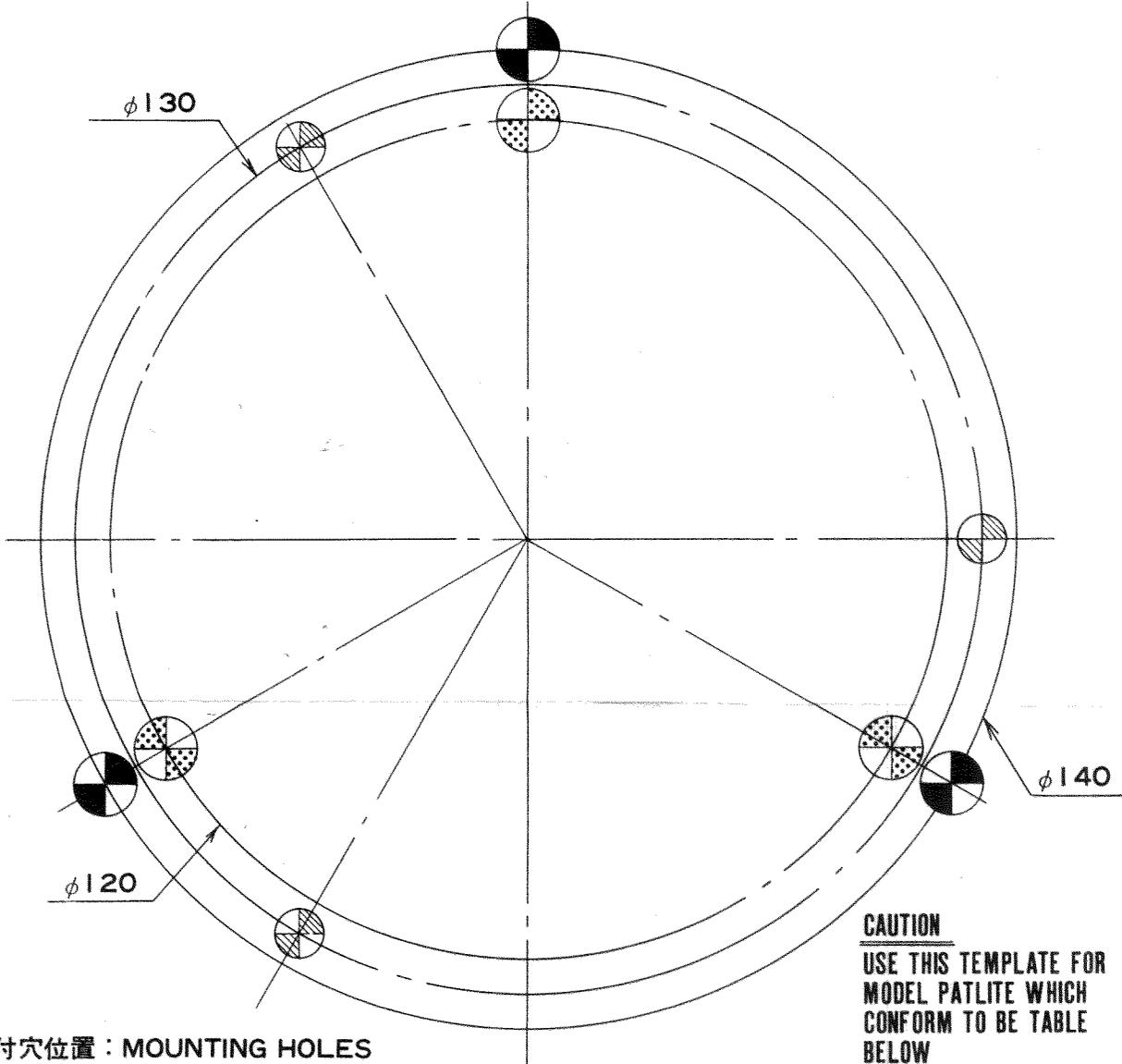
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K95100002

取付型紙：MOUNTING HOLE TEMPLATE

この型紙を利用しますと取付ボルト穴加工が容易に出来ます。

(Mounting holes are easily drilled, using this template)



●取付穴位置：MOUNTING HOLES

機種 MODEL	取付ピッチ MOUNTING PITCH	取付ボルト位置 MOUNTING BOLT POSITION	取付穴径 HOLE SIZE
SKP・SKE・ADP・KP	φ120		φ9
RP・HRP	φ130		φ7
SKL・SKLB・SKR・SFL・SKC・RV・RG・HKM HKU・SKK・SM・500・HKS・KB・SS・SKLA SKLS・SKV・SKM・SKS・SKMA・HS・KME・KG	φ140		φ9

●この型紙の取扱方法

1. 製品の穴位置を確認する。
2. テープ等で型紙を取付面に固定する。
3. 取付穴に、ポンチ等で印をつける。
4. ドリル等で取付面に穴加工をする。

(注)

- 銘板の方向及びコードの取出口を決定してから穴加工をして下さい。

●INSTRUCTIONS FOR THIS TEMPLATE

1. Choose holes for your PATLITE.
2. Secure the paper template in position with gummed tape.
3. Mark hole positions on mounting surface by piercing paper template with a center punch.
4. Drill holes at the marked positions.

(NOTE)

- Drill holes at the mounting surface after determine the direction of name plate and wire exit.

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