

# Using Instructions

## Solar PIR „DUO Power“



### 3. Intended use

The PIR-solar spotlight is suited for the illumination of courtyards, driveways, entranceways and much more. It is designed for the year-round outdoor use. The product is splashproof and must not be exposed to a direct water jet respectively immersed in the water.

### 4. Function

The integrated motion detector is activated at night (responds to heat change). If motion is detected, 2 pcs. 1 W high-performance-LED is switched on for approx. 20 seconds. The solar module works as a twilight sensor. The spotlight is activated if the solar module is dark.

The solar module and the spotlight may be mounted on a pole or screwed to the wall. The product is designed for the use in private households.

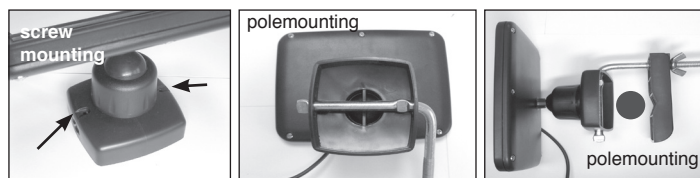
An LED display on the bottom side (next to the slide switch) shows a green or red light when the spotlight is switched on. The green light indicates that the battery is ready for operation, the red light indicates that the battery is exhausted and that the spotlight is switched off in order to protect the battery. The battery is charged at sunlight and a green light will be indicated as soon as the battery is recharged.

**Note: Please make sure that the solar module is installed directed to the south and that shadows are avoided. The product cannot be used if installed directed to the north. In winter, the solar module shall always be free of snow. The battery pack has to be exchanged at every two years at the latest.**

### 5. Assembly and activation

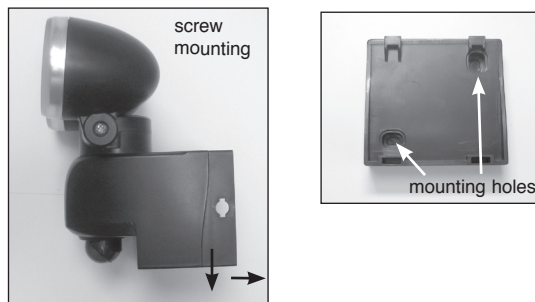
1. Please carefully take all parts out of the package and unpack the accessories.
2. Choose an appropriate place of installation for the spotlight and the solar module. The spotlight and the module may be mounted on a pole or railing or screwed to the wall.

#### 3. Assembly of the solar module



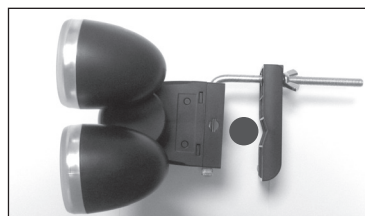
#### 4. Installation of the LED spotlight on the wall

- Take off the back panel of the spotlight.
- Now mount the back panel with two screws and snap the spotlight back onto the back panel.



#### 5. Installation of the LED spotlight on a pole or rod/post

- By means of the mounting rod it is possible to mount the spotlight horizontally or vertically at a pole or rod/post.



6. Now plug the connector of the solar module into the socket (protected by rubber cap) of the spotlight. Switch on the spotlight via the slide switch (ON). The solar spotlight is now activated.
7. The luminary head may be adjusted horizontally and vertically as required.
8. The motion switch may also be adjusted horizontally. A little exertion of force is required for this purpose.

**Note:** During the winter months the duration of illumination will generally be shorter. If the lamp should not yet start working on the first evening, please wait for a sunny day.

### Customer support:

If you have problems or questions regarding this product, simply contact us! esotec GmbH, Industriegebiet Weberschlag 9, D-92729 Weiherhammer  
**Monday to Friday 8 am to 12 noon and 1 pm to 4 pm.**

By phone: +49 9605-92206-0

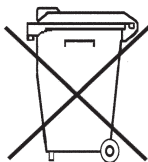
By e-mail for ordering spare parts: [ersatzteil@esotec.de](mailto:ersatzteil@esotec.de)

By e-mail for questions about the product: [technik@esotec.de](mailto:technik@esotec.de)

**Product: Manufacturer Item No.: 102415 and 102417**

### Battery take-back

- Batteries must not be discarded into domestic waste.
- The consumer is legally required to return batteries after use, e.g. to public collecting centers or to battery distributors.
- Contaminant-containing batteries are labeled with the sign "crossed-out trashcan" and one of the chemical symbols. Used batteries should be disposed environmentally friendly and should not be discarded into domestic waste. Your dealer is legally required to take back old batteries.



NiMh

### Rechargeable battery notes

- Rechargeable batteries should not be played with by children. Never leave rechargeable batteries lying around; they could be swallowed by children or pets.
- Rechargeable batteries must never be short-circuited, disassembled or thrown into fire. This leads to a danger of explosion!
- Leaking or damaged rechargeable batteries can cause chemical burns when they come into contact with skin. For this reason, please make use of suitable protective gloves.
- Rechargeable batteries should only be replaced by structurally identical rechargeable batteries from the same manufacturer. Normal batteries must not be used since these are not rechargeable.
- Make sure the rechargeable batteries are inserted with the correct polarity.
- For long periods of time of non-use (for example, storage), remove the inserted rechargeable batteries to avoid damages via the leaking rechargeable batteries.

### Disposal:

Dear customer, please cooperate in avoiding waste. When you intend to dispose of the product in future, please consider that it contains valuable raw materials suited for recycling. Therefore, do not dispose it of with domestic waste but bring it to a collection point for the recycling of waste electrical and electronic equipment.



Thank you very much for your cooperation!


### 1. Introduction

Dear customer, we thank you for purchasing the Solar Globelight. With this Solar Light you have purchased a product that complies with the latest and most up-to-date technology.

**CE** This product complies with the European and National Standards. The relevant certificates of conformity are deposited with the manufacturer.

To preserve this standard and in order to maintain safety you must adhere to the use instructions!

### 2. Security Instructions

 In the event of any problems arising or damage occurring from not following these instructions, the warranty is deemed cancelled. The manufacturer will not be held responsible for any claims or damages arising from the misuse of this product.

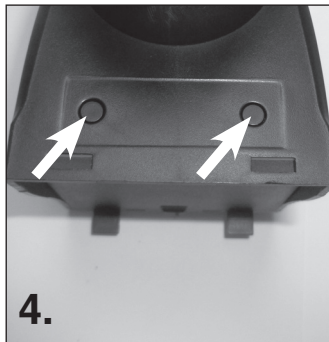
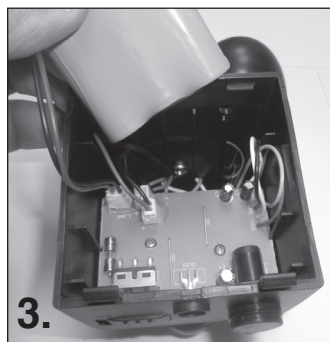
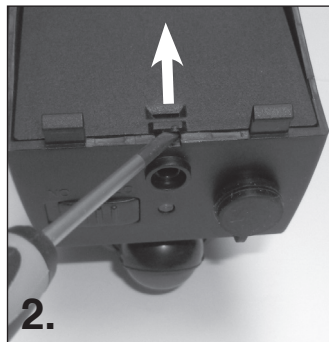
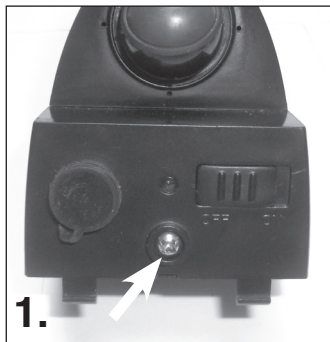
- For safety reasons and in order to maintain standards (CE) you are prohibited from altering or changing any component in the product.
- Please follow the instructions very carefully.
- For commercial applications due care and attention must be paid to the Health and Safety Standards in your jurisdiction.

## 6. Exchange of the battery

The capacity of the battery pack will diminish after one to two years and it has to be exchanged. The battery pack (Art.-No: 901021, NiMh 3.6 V/ 1300 mAh) is available retail or in the Internet under [www.esotec.de](http://www.esotec.de).

1. Remove the spotlight from the back panel by slightly lifting it off.
2. Unscrew the screw on the bottom side (pic. 1) of the spotlight and take off the cover (pic. 2).
3. Unplug the connector on the cable of the battery pack and take out the battery pack (pic. 3).
4. Now insert the new battery pack and plug in the connector of the battery pack with correct polarity (pic. 4).
4. Now close the housing in reverse order.

**Note:** Used batteries or accumulators must be disposed of in a non-polluting way and do not belong into the domestic waste. Your dealer is required by law to take back old accumulators.



## 7. Malfunctions

### The lamp is not switched on at darkness

- Is the spotlight activated/switched on?
- A source of extraneous light (e.g. street lamp) simulates daylight on the solar module and prevents the activation. Place the lamp at a darker place.

### The lamp is not switched on at darkness at all or only for a short time.

- Does the display on the bottom side of the spotlight indicate a green light?
- Battery pack inserted?
- Spotlight switched on?
- Battery weak or defective? Exchange of the battery pack every two years at the latest!

## 8. Technical data

### Solar module:

Output:	1 Wp
Nominal voltage:	6.6 V
Nominal current:	150 mA
Protection class:	IP 44
Operating temperature:	-20°C to +40°C
Length of cable:	2 m

### LED spotlight:

Luminous flux:	2 x 115 lm
Light color:	6500 K
Protection class:	IP 44
Operating temperature:	-20°C to +40°C
Duration of illumination:	approx. 20 seconds after detection
Operating voltage:	3.6 V
Battery pack:	NiMh 3.6 V/ 1300 mAh (Spare part art. No.: 901021)

PIR-coverage: 90°/ 6 m

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