

# Using Instructions



These instructions relate **ONLY** to this product and contain important information for using the product for the first time. Please keep these instructions for later reference and should always accompany the product in the event of transference to a new user.

## 1. Introduction

Dear Customer,

Thank you for purchasing the solar light. With this solar light you purchased a product manufactured according to the current state of technology.

**This product fulfils all requirements of the valid European and national regulations. The conformity was proved. The relevant declarations and documentation are deposited with the manufacturer.**

To maintain this state and guarantee a safe operation, you as the user will have to follow this operating manual!

## 2. Safety Instructions



- In case of damages caused by not following this operating manual, the warranty rights will expire! We exclude liability for any consequential damages!
- We exclude liability for property or personal damages caused by inappropriate

handling or not following the safety instructions.

- In these cases any guarantee rights will expire.

Due to safety and admission reasons (CE) it is not allowed to arbitrarily reconstruct and/or change the solar light.

Therefore, please keep to the operating manual.

The accident prevention rules of the association of the industrial trade cooperative association for electric plants and working material are to be considered in industrial environments.

## 3. Intended use

The light is automatically switched on at darkness and switched out at morning light. The maximum duration of illumination with full accumulator and without recharge amounts to approx. 10 hours. The solar module installed in the upper part of the housing charges the integrated accumulator. The two switches are used in order to switch the light on and off or change between flashing light and permanent light. The light is suitable for outdoor use.

**Note:** Make sure that the lamp is always adjusted to the south and shadows are avoided. The product may not be used if adjusted to the north. In the winter, it is required to keep the solar module free of snow. Due to the reduced insolation, the duration of illumination will be shorter in winter.

## 4. Initiation

1. Please carefully take all parts out of the package and completely unroll the line between solar module and shrub.

2. Insert the ground spike on the bottom of the solar module and the shrub (illustration 1).

3. Set the rocker switch at the bottom of the housing into the position "ON". The light is now switched-on. The second switch is used in order to switch between the operating modes "Permanent light" or "Flashing light" (illustration 2).

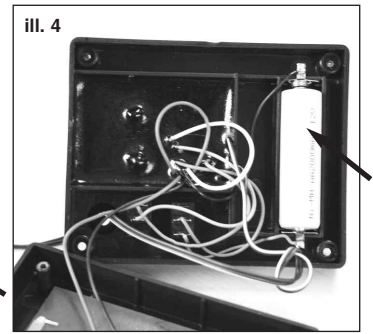
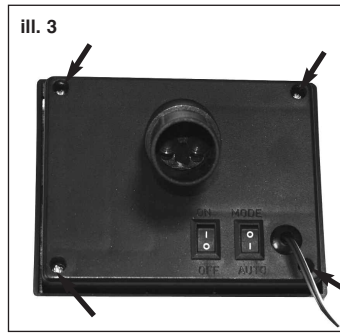
**Note:** The light is switched-off in the position „OFF“ and the accumulator will not be recharged.

4. The control unit and the shrub may be inserted into the ground with the ground spike.



The initiation is now completed.

**Note:** The maximum illumination time in wintertime is normally somewhat reduced. Should the solar lights not illuminate in the first evening, wait for a sunny day.



## 5. Battery replacement

Battery capacity will be lower after one or two years requiring replacement. The battery is available from the manufacturer and other suppliers. Only batteries of identical design must be used.

1. Set the left switch into the position "OFF"
2. Unscrew the 4 screws on the lower part of the encasement and remove the cover (illustration 3).
3. Remove the battery from the support.
4. Insert the new battery (ill. 4) ensuring proper polarity. Close the assembly.

**Note:** Used batteries should be disposed of environmentally friendly, i.e. not as a part of domestic waste. Return them to the supplier, who is obligated by law to take them back.

## 6. Malfunctions

**Lamp is not automatically switched on at darkness**

- An outside light source (e.g. streetlight) simulates daylight and prevents the lamp from switching on. Place the lamp at a darker location.

**Lamp is not switched on at darkness or only for a short period of time.**

- Is the lamp connected?
- Accumulator weak or defective. Exchange of the accumulators.

## 7. Specifications

- Operating voltage: 1.2 V
- Battery: NiMh 1.2 V/2000 mAh
- Illuminating units: 36 LEDs
- Illumination time: max. 10 h with a full battery

### 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.



### 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.

### Customer support:

If you have problems or questions regarding this product, simply contact us!

**Monday to Friday 8 am to 12 noon and 1 pm to 4 pm.**

By phone: 09605-92206-27 Internet: [www.esotec.de](http://www.esotec.de)

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

**Manufacturer Art.-No.:** 102104

### 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!