

# Using Instructions solar light „Ancona pro“

esotec<sup>pro</sup>  
Line- Serie



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 solar module installed in the upper part converts sunlight in electric current. The integrated batteries are charged with the energy gained this way. This solar lamp is appropriate for all-season use. The integrated high quality „Nichia“ LEDs give light at darkness. The light colors warm or cold white can be selected via a switch.

The solar lamp can be operated in two operating modes: In **summer mode**, the LEDs are shining with their full luminosity at nightfall and is automatically switched off at brightness or when the batteries are discharged.

In **winter mode**, the LEDs are shining with reduced luminosity. When a movement is detected (change of heat) within the detection range of the PIR sensor, the LEDs will shine with the full luminosity for approx. 30 seconds and are then switched back to their reduced luminosity. This mode is specifically intended for the less sunny time because this property provides for the saving of energy.

The light ON time at night is strongly dependent of the solar radiation and the angle of incidence onto the solar cell during the day. Solar lamps shall always be positioned free from shadows in the sunlight. An operation on north sides or in the shadow of trees or bushes is not recommendable.

## 4. Assembly and Start-Up Procedure

1. Carefully remove the parts from the packaging and unpack the accessories.
2. Look for a suitable assembly site with access to enough sunshine on the solar module of the lamp. At the bottom side of the upper part there are two 2 switches (illustration 1). The following settings are possible with those switches:

### Switch position: WW AUS (OFF) KW

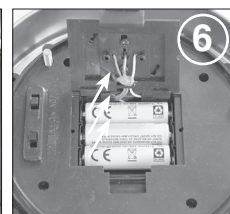
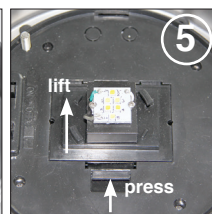
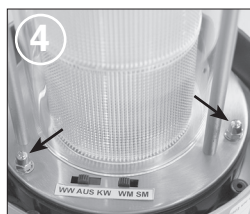
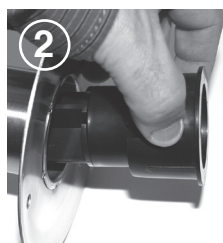
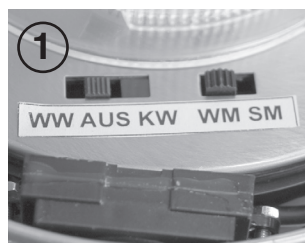
- WW = Light color warm white (2800 K)
- KW = Light color cold white (6500 K)
- AUS = Lamp switched off

### Switch position: WM SM

- WM = Winter mode
- SM = Summer mode (without PIR)

4. Remove the plastic ground spike from the pipe on the underside of the lamp (Illustration 2), twist the spike around and stick the ground spike into the pipe of the lamp (Illustration 3). The lamp must also be mounted on the foot of the retaining plate with the accompanying screws or nails. The accompanying nails are only suited for assembly in grass or sandy soil. Under no circumstances should the lamp be nailed into wood. The solar lamp is now activated.

**Note:** You generally cannot count on there being a long lamp duration in the winter months. If the lamp doesn't yet function on the first evening, please wait until the lamp has been recharged through one day of sunshine.



## 5. Replacing the rechargeable Batteries

After one to two years, the capacity of the rechargeable batteries tends to diminish and they need to be replaced. The rechargeable batteries can be purchased at your local dealer or directly from the manufacturer.

**Attention:** Before removing the lamp head, the light must be turned off, otherwise your eyes could be damaged from the bright LED.

1. Unscrew the three screws on the underside of the lamp (Illustration 4) and remove the underside from the top section.
2. Carefully unlatch the rechargeable battery compartment (Illustration 5 and 6). Remove the rechargeable batteries from the holder.
3. Put in the new rechargeable batteries in the right manner and close the enclosure accordingly in an inverse sequence.

**Note:** Used rechargeable batteries must be disposed of properly in an environmentally sound manner and should not be simply thrown into the household garbage can. Your local dealer is legally obligated to take back old rechargeable batteries.

## 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

- Solar module: crystalline silicon (Kyochera) 1.3 Wp
- Illuminant: 6 Nichia LEDs (3 x cold white, 3 x warm white)
- Light color: 6500 K (cold white), 2800 K (warm white)
- Luminosity: 100 lm (summer mode or PIR)/ 2,2 lm
- Protection type: IP 44
- Protection class: III
- Battery: 3 x NiMH 1.2 V/1300 mAh (Mignon, AA)
- Light ON time: max. 8 hours with a fully charged set of batteries
- Detection range motion detector: 120°/ 6 m
- Operating temperature range: -20°C to + 40°C

## 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.



## 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.

## Manufacturer/Importer/ spare parts:

esotec GmbH - Weberschlag 9 - D-92729 Weiherhammer  
Tel.-Nr: 09605-92206-0 Fax.-Nr: +49 9605-92206-10  
e-mail: info@esotec.de Internet: www.esotec.de  
Manufacturer item no: 102534

## 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! Copyright, esotec GmbH