

ZOOKKI ZK-SL-101

ZOOKKI Solar Motion Sensor Lights Outdoor User Manual

Model: ZK-SL-101 | Brand: ZOOKKI

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ZOOKKI Solar Motion Sensor Lights. These outdoor lights are designed to provide efficient and reliable illumination for various outdoor spaces, utilizing solar power and motion detection technology.



Image 1.1: A 4-pack of ZOOKKI Solar Motion Sensor Lights, showcasing the product's design and quantity.

2. PRODUCT FEATURES

- **Wireless Solar Powered:** Equipped with 28 bright LEDs and a 1200mAh rechargeable Li-ion battery, these lights charge under direct sunlight (6-8 hours).
- **Intelligent Motion Sensor:** Detects movement up to 26 feet away within a 120° wide-angle. Lights automatically turn ON at night or in darkness when motion is detected, and turn OFF after approximately 30 seconds of no continuous motion.
- **Durable Construction:** Made of high-impact ABS material, ensuring IP65 waterproof, heatproof, and frost-resistant performance for various weather conditions.
- **Easy Installation:** Simple activation and mounting with provided hardware.
- **High Brightness:** Delivers 400 Lumens of light.



Image 2.1: Illustration demonstrating the 120-degree wide sensing angle and 26-foot sensing distance of the solar motion sensor light.

3. PACKAGE CONTENTS

Please check the package to ensure all components are present:

- 4 x Solar Motion Sensor Lights
- 2 x Key Pins (for activation)
- 8 x Expansion Pillar-hinges
- 8 x Installing Screws
- 1 x Instruction Manual



Image 3.1: The complete package contents, including four solar lights, mounting hardware, key pins, and the user manual.

4. SETUP & INSTALLATION

Follow these steps to properly install your solar motion sensor lights:

- 1. Prepare the Light:** Tear off the protective film from the solar panel.
- 2. Activate the Device:** Insert the provided key pin into the small switch hole on the light to activate it.
- 3. Test Functionality:** Cover the solar panel to simulate darkness and test if the light turns on.

4. **Choose Location:** Select an outdoor location that receives direct sunlight for at least 6-8 hours daily to ensure optimal charging. The recommended installation height is 6.5-13 feet (2-4 meters).
5. **Mount the Light:** Drill two holes at your chosen location, insert the expansion pillar-hinges, and then secure the light with the provided screws. Alternatively, you can use 3M double-sided tape (not included) or hang the light with a rope for temporary placement.



Image 4.1: Visual guide illustrating the four main steps for installation: removing protective film, activating with a key pin, testing the light, and drilling holes for screw mounting.

5. OPERATING INSTRUCTIONS

The ZOOKKI Solar Motion Sensor Lights operate automatically based on light conditions and motion detection:

- **Daytime Operation:** During the day, the solar panel converts sunlight into electricity and stores it in the internal battery. The light will remain OFF and charge.
- **Nighttime Operation (Motion Detected):** At night or in dark conditions, the light will automatically turn ON to full brightness when motion is detected within its 120° sensing range and up to 26 feet distance.
- **Nighttime Operation (No Motion):** If no further motion is detected for approximately 30 seconds, the light will automatically turn OFF to conserve battery power.



Image 5.1: Illustration depicting the solar light's functionality: charging during daylight hours and activating with its sensitive PIR motion sensor at night.



Image 5.2: A sequence of images showing the light's behavior: 1. Auto turn off and charging during the day. 2. Turns on when it senses movement. 3. Remains on when movement stays active. 4. Turns off after 30 seconds of no movement.

6. MAINTENANCE

To ensure optimal performance and longevity of your ZOOKKI Solar Motion Sensor Lights, follow these maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Clear Obstructions:** Ensure no trees, bushes, or other objects are blocking direct sunlight from reaching the solar panel, especially during peak charging hours.
- **Weather Resistance:** The lights are IP65 waterproof, heat-resistant, and frost-resistant. While designed to withstand various weather conditions, extreme accumulation of snow or ice on the solar panel may temporarily reduce charging efficiency. Clear any heavy accumulation if necessary.
- **Battery Care:** The integrated Li-ion battery is designed for long-term use. Avoid disassembling the unit, as this may damage the battery or void the warranty.



Image 6.1: Visual representation of the light's IP65 waterproof rating, heat resistance, and frost resistance, indicating its suitability for all weather conditions.

7. TROUBLESHOOTING

If your solar lights are not functioning as expected, consider the following common issues and solutions:

- **Light Does Not Turn On at Night:**

- Ensure the light has been activated with the key pin.
- Verify the solar panel is receiving direct sunlight for at least 6-8 hours during the day. Relocate if necessary.
- Check for any light sources nearby (e.g., streetlights, other outdoor lights) that might be preventing the solar light from activating, as it is designed to turn on only in darkness.

- **Motion Sensor Not Detecting:**

- Ensure the light is installed within the recommended height range (6.5-13 feet).
- Check for obstructions (e.g., branches, large plants) that might be blocking the sensor's field of view.
- Clean the sensor lens to remove any dirt or debris.

- **Light Stays Dim or Only Works for a Short Period:**

- The battery may not be fully charged. Ensure the solar panel is clean and receives adequate direct sunlight.
- Consider the ambient temperature; extreme cold can affect battery performance.

8. SPECIFICATIONS

Feature	Detail
Brand	ZOOKKI
Model Name	ZK-SL-101 (SL2P)
Light Source Type	Solar LED lights

Feature	Detail
Number of Light Sources	28 LEDs
Brightness	400 Lumens
Power Source	Solar Powered
Battery	1200mAh Lithium Ion (included)
Voltage	3.7 Volts
Wattage	1.3 watts
Motion Sensor Angle	120°
Motion Sensor Distance	Up to 26 feet (3-5 meters)
Water Resistance Level	IP65 Waterproof
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	5.1" L x 4.3" W x 2.7" H
Installation Type	Wall-Mounted, Self-Adhesive, Screw-In
Average Battery Life	5000 Hours
UPC	708315163747

9. WARRANTY AND SUPPORT

ZOOKKI provides the following warranty and support for this product:

- **Warranty Period:** 6-month manufacturer warranty.
- **Money Back Guarantee:** 30-Day Money Back Guarantee.
- **Product Warranty:** 90-Day Limited Product Warranty.
- **Customer Support:** For any inquiries or support needs, please refer to the contact information provided with your purchase documentation or visit the official ZOOKKI website.