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CLAONER CLCLSL015AB-USAS1

CLAONER Solar Lights Outdoor

Model: CLCLSL015AB-USAS1

User Instruction Manual

1. Introduction

Thank you for choosing CLAONER Solar Lights Outdoor. These advanced solar-powered motion sensor lights are designed to provide efficient and reliable outdoor illumination for various applications, including gardens, garages, decks, fences, and patios. Featuring 128 high-brightness LEDs, a 270° wide-angle illumination, and an enhanced PIR motion inductor, these lights offer superior coverage and responsiveness. They are built with high-strength ABS material and boast an IP65 waterproof rating, ensuring durability in diverse weather conditions.

2. What's in the Box

- 10 x CLAONER Solar Wall Light
- 10 x Installing Screws
- 10 x Plastic Anchors
- 10 x Adhesive Tapes
- 1 x User Manual

3. Product Overview

The CLAONER Solar Lights are designed for optimal performance and ease of use. Each unit integrates a solar panel, LED light array, and a motion sensor within a compact, durable housing.

Figure 3.1: Overview of CLAONER Solar Lights (10-pack).

This image displays the complete set of 10 CLAONER Solar Lights, highlighting their compact design and the integrated solar panel and LED array on each unit.

Key Features:

- **128 LED Beads:** Provides bright and efficient illumination.
- **270° Wide-Angle Illumination:** Offers broader lighting coverage compared to standard solar lights.
- **Enhanced PIR Motion Inductor:** Detects motion up to 12-20 feet with a 120° detection angle.
- **Solar Powered:** Absorbs sunlight during the day for night operation, reducing electricity costs.
- **IP65 Waterproof:** Designed to withstand various outdoor weather conditions, including rain and frost.
- **Durable ABS Material:** Ensures long-lasting performance.

Figure 3.2: Comparison of CLAONER Solar Light (New Version) vs. Old Version.

This image illustrates the improvements in the new CLAONER model, including 128 LEDs (vs. 82), 270° lighting angle (vs. 90°), 20ft detection distance (vs. 12ft), and 3 sensor modes (vs. 1 mode).

Figure 3.3: IP65 Waterproof and All-Weather Ready Design.

The image highlights the IP65 waterproof rating, indicating resistance to rain, heat, and frost, ensuring reliable operation in various outdoor environments.

4. Setup & Installation

The CLAONER Solar Lights are designed for quick and easy installation. Choose a location that receives ample direct sunlight throughout the day for optimal charging.

Installation Methods:

1. **Method 1: Using Screws**
   Drill one hole at the desired mounting location. Insert a plastic anchor (if needed for your surface) and then secure the light with the provided screw. Ensure the solar panel faces upwards to receive maximum sunlight.
2. **Method 2: Using Adhesive Tape**
   For smooth, clean surfaces, you can use the provided double-sided adhesive tape. Clean the mounting surface thoroughly, peel off the protective film from the tape, and firmly press the light onto the surface. Ensure a strong bond before releasing.

Important: *Before first use, allow the solar lights to charge in direct sunlight for at least 8-10 hours to*

ensure the battery is fully charged.

Figure 4.1: Installation options for CLAONER Solar Lights.

This image demonstrates both screw-based and adhesive tape installation methods, along with the compact size of the light.

5. Operating Modes

The CLAONER Solar Lights offer three distinct working modes to suit various lighting needs. These modes can be cycled through by pressing the mode button located on the front of the light.

1. **Mode 1: Normally On Mode (Constant Medium Light)**
   In this mode, the light stays on at a medium brightness throughout the night. Ideal for continuous ambient lighting.
2. **Mode 2: Dim Light to High Light Sensor Mode**
   The light stays on at a dim brightness. When motion is detected, it automatically switches to high brightness for approximately 20 seconds. If no motion is detected for 20 seconds, it reverts to dim light.
3. **Mode 3: No Light to High Light Sensor Mode**
   The light remains off in darkness. When motion is detected, it illuminates at high brightness for

approximately 20 seconds. If no motion is detected for 20 seconds, the light turns off completely.

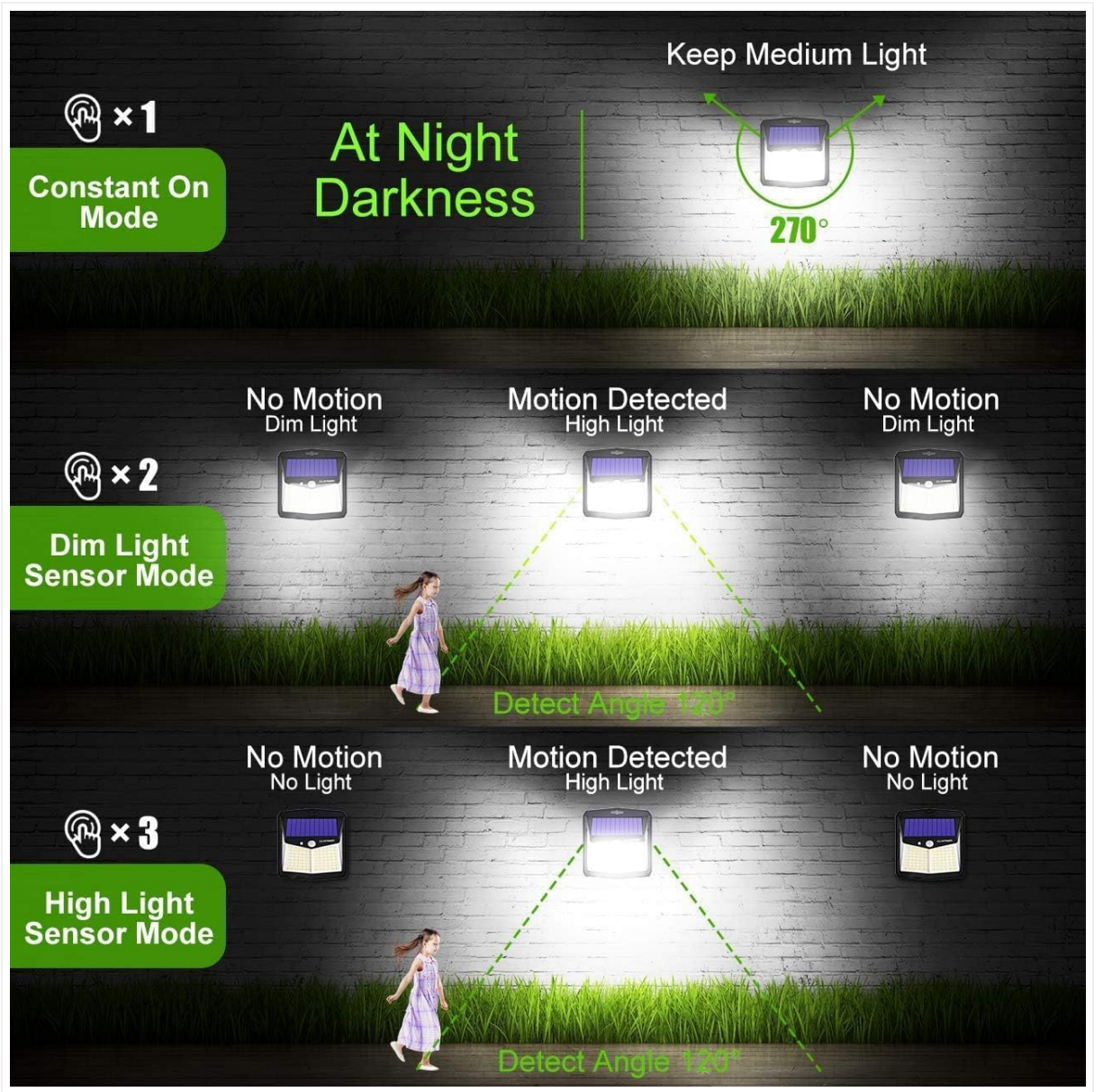

Figure 5.1: Visual representation of the three operating modes.

This diagram illustrates the behavior of each mode: Constant On, Dim Light Sensor, and High Light Sensor, showing how the light responds to darkness and motion detection.

6. Maintenance

To ensure optimal performance and longevity of your CLAONER Solar Lights, follow these simple maintenance guidelines:

- **Clean the Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption for efficient charging.
- **Check Mounting:** Periodically inspect the mounting screws or adhesive tape to ensure the light remains securely attached to its surface.
- **Environmental Considerations:** While the lights are IP65 waterproof and resistant to heat and frost, extreme weather conditions may temporarily affect performance. Ensure the lights are not obstructed by overgrown vegetation or debris.
- **Battery Life:** The rechargeable battery is designed for long-term use. If you notice a significant decrease in lighting duration over time, it may indicate the battery is reaching the end of its lifespan.

7. Troubleshooting

If your CLAONER Solar Light is not functioning as expected, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient sunlight exposure during the day. Mode button not activated.	Ensure the solar panel receives 8-10 hours of direct sunlight. Press the mode button to activate the desired lighting mode.
Light is dim or only stays on for a short period.	Solar panel is dirty or obstructed. Not enough charging time. Battery degradation over time.	Clean the solar panel. Relocate the light to a sunnier spot. Allow for a full day's charge. *Note: Some users have reported degradation within 1-2 years, which may require replacement.*
Motion sensor is not responsive.	Sensor is obstructed. Light is in the wrong mode. Detection range issues.	Ensure the sensor is clear of obstructions. Switch to a motion-sensing mode (Mode 2 or 3). Verify placement within the 12-20 feet detection range.

8. Specifications

Attribute	Detail
Brand	CLAONER
Model Name	CLCLSL015AB-USAS1
Color	Cold White
Material	Plastic
Product Dimensions	4.4"L x 2.3"W x 4.2"H
Item Weight	3.5 Pounds (for 10-pack)
Light Source Type	LED (128 LEDs)
Brightness	1800 Lumen
Wattage	1.5 watts
Voltage	5.5 Volts
Power Source	Solar Powered

Attribute	Detail
Water Resistance Level	IP65 Waterproof
Special Features	270° wide-angle illumination, Reflector LED bead, 120° detect angle, 3-way switching, Heat-resistant, Frost-resistant
Installation Type	Surface Mount
Included Components	Solar Wall Light, Installing Screws, Plastic Anchors, Adhesive Tape, Manual

9. Warranty & Support

Warranty: The CLAONER Solar Lights come with a 12-month warranty from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use.

Support: For any questions, technical assistance, or warranty claims, please contact CLAONER customer support through the retailer's platform or visit the official CLAONER store on Amazon for further assistance. Please have your purchase details and model number ready when contacting support.

Visit the CLAONER Store on Amazon

Related Documents - CLCLSL015AB-USAS1

	Claoner 252 LED Solar Motion Sensor Light User Manual User manual for the Claoner 252 LED Solar Motion Sensor Light, detailing specifications, features, lighting modes, installation, and warranty information for this IP65 waterproof solar-powered light.
	CLAONER D2 Dash Cam User Manual Comprehensive user manual for the CLAONER D2 Dash Cam, detailing installation, setup, operation, video and photo settings, playback, product care, and troubleshooting.
	A4 Laminator SL388 User Manual and Operating Guide Comprehensive user manual for the OidoZac A4 Laminator SL388, detailing product structure, specifications, operating instructions for hot and cold lamination, accessory usage, troubleshooting, and safety precautions.