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Ensenior AQ1-10I-60K-02-BL-M01

Ensenior 1800LM Solar Flood Lights Outdoor with Motion Sensor

Model: AQ1-10I-60K-02-BL-M01

INTRODUCTION

Thank you for choosing the Ensenior 1800LM Solar Flood Lights. This manual provides essential information for the proper installation, operation, and maintenance of your solar security lights. Please read it thoroughly before use and retain it for future reference.

These solar-powered flood lights are designed for outdoor use, featuring a motion sensor, adjustable heads, and multiple operating modes to enhance security and illumination around your property.

PACKAGE CONTENTS

- Ensenior Solar Flood Light Unit (2 units for 2-PACK)
- Separate Solar Panel
- Remote Control
- Mounting Hardware (screws, anchors)
- Instruction Manual

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. Ensure the solar panel receives direct sunlight for at least 6-8 hours daily.

1. Choose a Location

Select a mounting location for the light unit that provides the desired illumination coverage. The motion sensor has a 180° detection angle and up to 75ft sensing distance. The separate solar panel should be mounted in an area with maximum direct sunlight exposure.



The separate solar panel allows for flexible placement to maximize sun exposure, even if the light unit is in a shaded area.

2. Mounting the Light Unit

The light unit can be wall-mounted or right-angle mounted. Use the provided screws and anchors to securely fasten the light fixture to your chosen surface. The recommended installation height is 6.5-8.25 feet above the ground for a detection distance of up to 72 feet at 77 degrees Fahrenheit.



Illustration of wall-mounted and right-angle mounted installation options.

3. Mounting the Solar Panel

Mount the solar panel in a location that receives maximum direct sunlight throughout the day. Connect the solar panel cable to the input port on the light unit. The cable length is approximately 14.8 feet (4.5m), providing flexibility for placement.

Adjustable Design

Place the light where it is needed



Product dimensions and solar panel cable length for installation planning.

4. Adjusting Light Heads and Sensor

The light features 3 adjustable heads and a 180° adjustable motion sensor. Adjust the light heads to cover the desired area (up to 270° beam angle). Position the motion sensor to optimize detection range and sensitivity.



Adjustable light heads and motion sensor for customized illumination and detection.

OPERATING INSTRUCTIONS

Your Ensenior Solar Flood Light offers 5 distinct operating modes, controllable via the included remote or buttons on the light unit.

Operating Modes:

- **Security Mode:** High brightness (1800 LM) flashes for 15 seconds when motion is detected, then stays on high brightness for 15 seconds before turning off.
- **Sensor Mode:** Turns on high brightness (1800 LM) for 30/60/120 seconds when motion is detected, then turns off after motion leaves.
- **Sensor Mode (ECO):** Turns on medium brightness (240 LM) for 30/60/120 seconds when motion is detected, then turns off after motion leaves.
- **Dim to Sensor Mode (ECO):** Stays on low brightness (12 LM) continuously, then turns to medium brightness (240 LM) for 30/60/120 seconds when motion is detected, and dims back to 12 LM after motion leaves.
- **On Mode:** Keeps the light on medium brightness (240 LM) for 4 hours continuously.

Visual representation of the 5 distinct operating modes.

Motion Sensor Settings:

The motion sensor has adjustable sensitivity (Low, Medium, High) and duration (30s, 60s, 120s). Adjust these settings using the dials on the sensor unit or the remote control to suit your needs.



Security Mode

High brightness(1800 LM) flashes in 15S when motion is detected;
Stay on in high brightness for 15S and then turn off.

Adjustable motion sensor sensitivity and detection range.

MAINTENANCE

To ensure the longevity and optimal performance of your solar flood lights, follow these maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures efficient charging.
- **Check Connections:** Periodically inspect all cable connections between the solar panel and the light unit to ensure they are secure and free from corrosion.
- **Clear Obstructions:** Ensure no trees, bushes, or other objects are blocking direct sunlight from reaching the solar panel or obstructing the motion sensor's field of view.
- **Battery Care:** The integrated Lithium-Ion batteries are designed for long life. If the light's performance significantly degrades over time, the batteries may need replacement by a qualified technician.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar panel charging.	Ensure the solar panel is in direct sunlight for 6-8 hours daily. Clean the solar panel surface.
Light stays on continuously or flashes.	Incorrect mode setting or motion sensor sensitivity too high.	Check the selected operating mode. Adjust motion sensor sensitivity to a lower setting. Ensure no constant motion is within the sensor's range.
Light is dim or has short illumination time.	Low battery charge or dirty solar panel.	Allow the solar panel to charge fully in direct sunlight. Clean the solar panel.
Motion sensor not detecting movement.	Motion sensor obstructed or sensitivity too low.	Clear any obstructions from the sensor. Increase motion sensor sensitivity. Ensure the sensor is pointed towards the desired detection area.

SPECIFICATIONS

Feature	Detail
Brand	Ensenior
Model Number	AQ1-10I-60K-02-BL-M01
Brightness	1800 Lumens (Max)
Color Temperature	6500 Kelvin (Cool White)
Power Source	Solar Powered
Battery	2 Lithium Ion batteries (2200mAh total, included)
Water Resistance Level	IP65 Waterproof

Feature	Detail
Motion Sensor Angle	180°
Motion Sensor Distance	Up to 75 feet
Beam Angle	270° (Adjustable 3 heads)
Control Method	Remote Control, Push Button
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	9.06"L x 7.4"W x 11.61"H
Solar Panel Cable Length	14.8 feet (4.5m)
Certifications	FCC

WARRANTY AND SUPPORT

Ensenior provides a **3-year warranty** for this product. If you encounter any quality issues or require assistance, please do not hesitate to contact Ensenior customer service. We aim to provide prompt service within 12 hours.

For further support or to explore other Ensenior products, please visit the official Ensenior store or contact our customer service team.

Online Support: [Visit the Ensenior Store on Amazon](#)

IMPORTANT SAFETY INFORMATION

- Do not disassemble or modify the product.
- Keep away from fire or high temperatures.
- Ensure proper installation to prevent falling hazards.
- Dispose of batteries according to local regulations.