

Sunforce 82193

Sunforce 82193 Solar Motion Activated Security LED Light User Manual

Model: 82193

1. INTRODUCTION

The Sunforce 82193 Solar Motion Activated Security LED Light is designed to provide reliable illumination and enhanced security for outdoor areas. Powered by an amorphous solar panel, this light charges during daylight hours and activates automatically upon detecting motion, offering adjustable brightness levels up to 2000 lumens. Its weather-resistant design ensures durability in various outdoor conditions.

2. SAFETY INFORMATION

- Read all instructions before installation and use.
- Do not attempt to disassemble or modify the product. This may void the warranty and pose safety risks.
- Ensure the mounting surface is stable and can support the weight of the light fixture.
- Keep the solar panel clean to ensure optimal charging performance.
- This unit is weather-resistant (IP44), but not fully waterproof. Avoid submerging the unit in water.
- Dispose of batteries according to local regulations.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Solar Motion Activated Security LED Light (with integrated motion sensor and adjustable lamp heads)
- Amorphous Solar Panel with connecting cable
- Mounting hardware (screws, wall anchors)
- Instruction Manual

4. PRODUCT FEATURES

- **Dual Brightness Feature:** Adjustable output between 1000 lumens and 2000 lumens.
- **Adjustable Lamp Heads:** Maximize lighting coverage in desired areas.
- **Amorphous Solar Panel:** Charges included batteries in various daylight conditions.
- **Adjustable Motion Sensor:** Customizable detection distance and light duration settings.
- **Easy Installation:** Maintenance-free design with no additional wiring required.
- **Weather-Resistant:** Rated IP44 for outdoor use.

5. SETUP AND INSTALLATION

For optimal performance, ensure the solar panel receives direct sunlight for at least 8 hours daily. Avoid locations under eaves or heavy foliage.

5.1 Mounting the Light Fixture

1. Choose a suitable location for the light fixture, typically on a wall or under an overhang, where motion detection is desired.
2. Use the provided mounting hardware to securely attach the light fixture to the chosen surface.



CERTIFIED REFURBISHED PRODUCT JOURNEY



Image: The Sunforce 82193 security light, showing its main body with three adjustable lamp heads and the motion sensor below. This illustrates the overall design of the unit when mounted.

5.2 Mounting the Solar Panel

1. Select a location for the solar panel that receives maximum direct sunlight throughout the day. The panel can be mounted up to the length of its cable away from the light fixture.
2. Attach the solar panel using the provided mounting hardware. The panel's angle can be adjusted to optimize sun exposure.

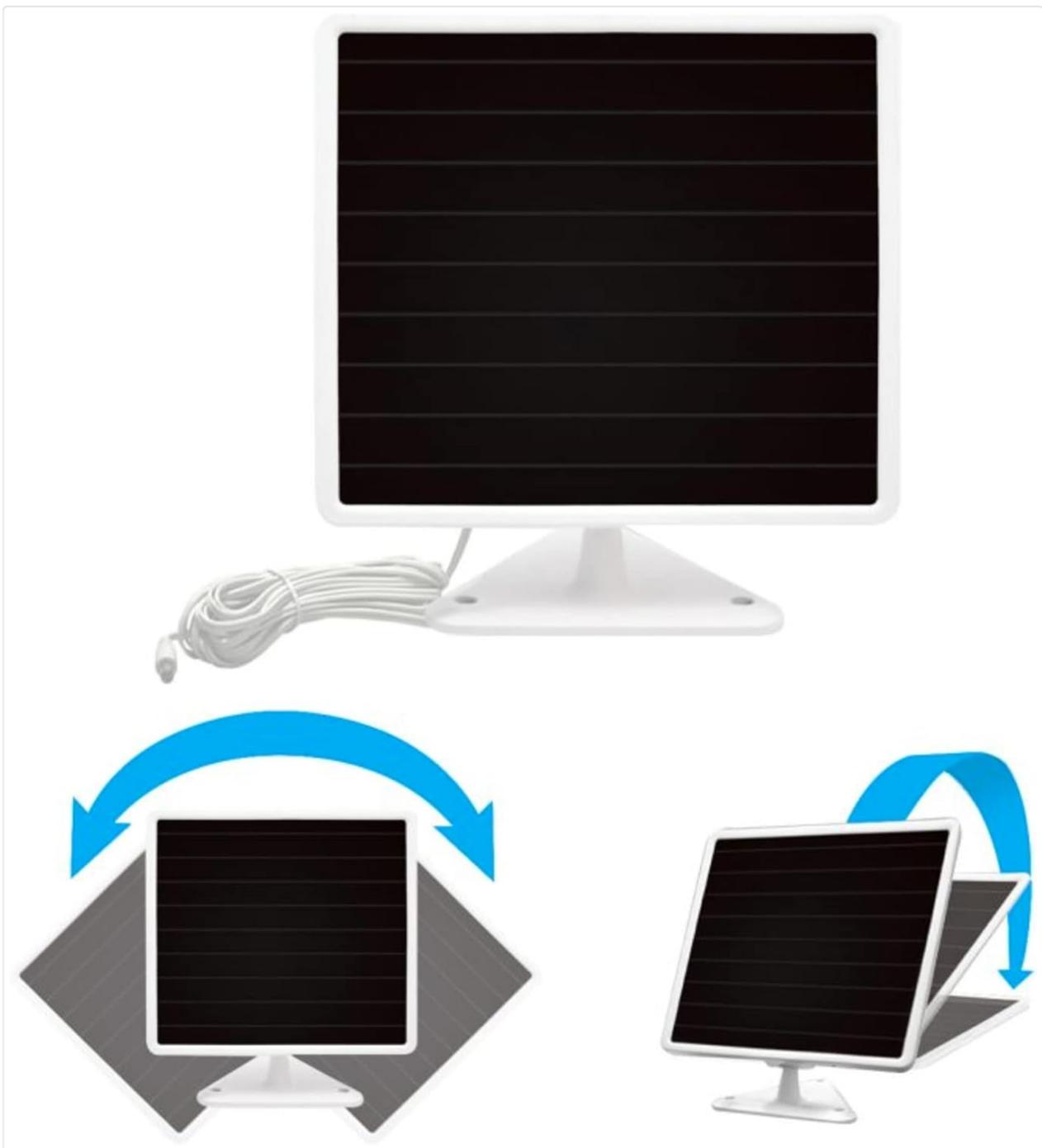


Image: The solar panel component of the Sunforce 82193 light, shown with its connecting cable. Arrows indicate that the panel can be rotated horizontally and tilted vertically to achieve optimal sun exposure.

5.3 Connecting Components

Connect the cable from the solar panel to the input port on the light fixture. Ensure the connection is secure to prevent moisture ingress.

6. OPERATING INSTRUCTIONS

6.1 Adjusting Lamp Heads

The three lamp heads can be individually adjusted to direct light to specific areas. Gently pivot each lamp head to achieve the desired lighting coverage.

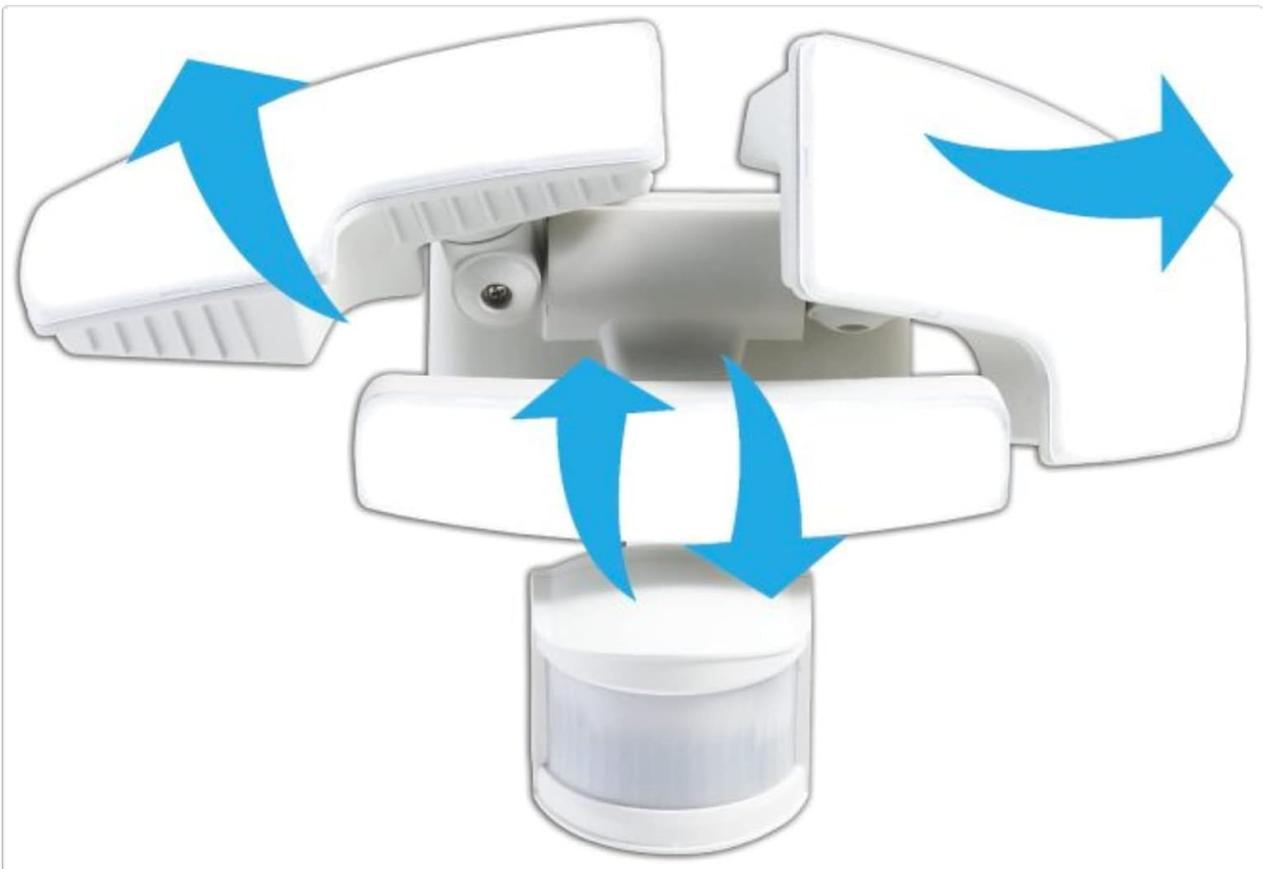


Image: A close-up view of the Sunforce 82193 light fixture, highlighting the three individual lamp heads. Blue arrows indicate the range of motion for each head, demonstrating their adjustability for directing light.

6.2 Adjusting Motion Sensor Settings

The motion sensor features three adjustable dials located on the side of the unit:

- **TIME:** Controls the duration the light stays on after motion is detected. Settings typically include 30s, 60s, and 120s.
- **DISTANCE:** Adjusts the sensitivity of the motion sensor, determining the detection range. Settings range from Low (L) to High (H).
- **BRIGHTNESS:** Selects the light output level. Options are 1000 lumens (1000LM) or 2000 lumens (2000LM). There is also an 'OFF' setting.

ADJUSTABLE MOTION SENSOR

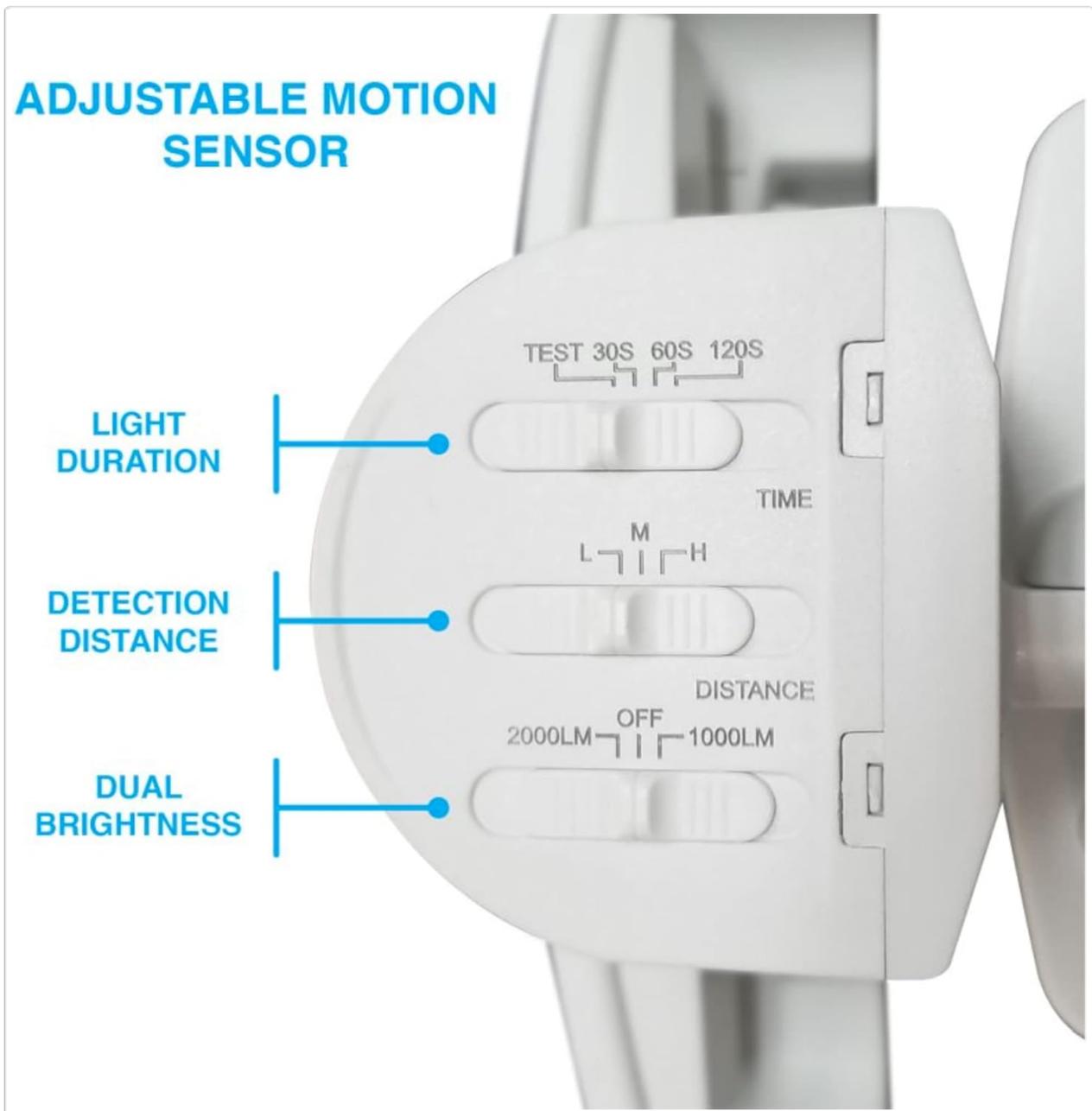


Image: A detailed view of the side of the Sunforce 82193 light, showing three adjustment dials labeled 'TIME', 'DISTANCE', and 'BRIGHTNESS'. This illustrates how users can customize the light's operation.



Image: A comparison showing the light output at 1000 lumens (LOW) and 2000 lumens (HIGH) from the Sunforce 82193 light. This visually demonstrates the dual brightness feature.

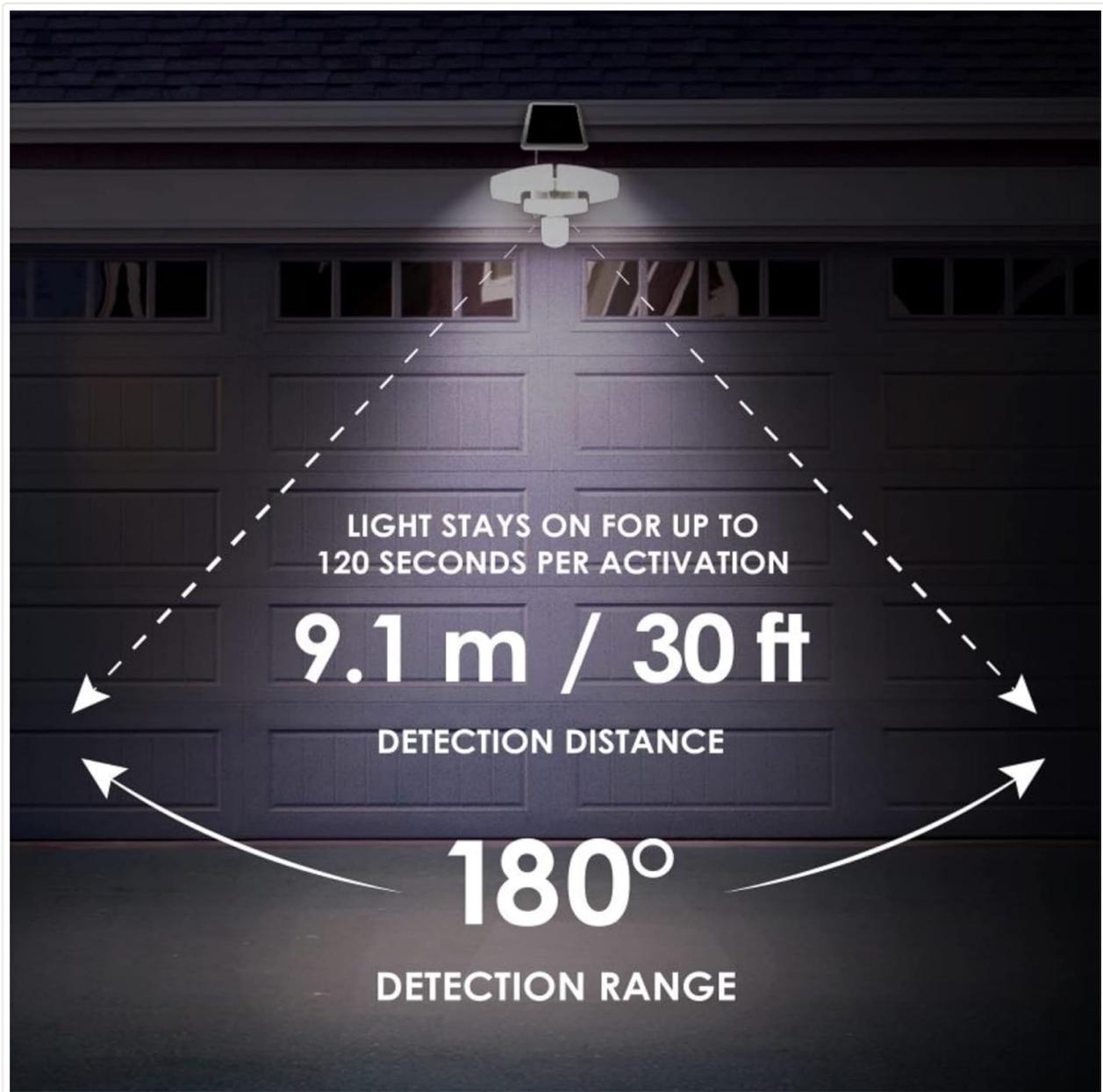


Image: An illustration depicting the motion detection capabilities of the Sunforce 82193 light. It shows a 180-degree detection range and a detection distance of up to 9.1 meters (30 feet), with the light staying on for up to 120 seconds per activation.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the solar panel and light fixture with a soft, damp cloth to remove dust, dirt, or debris. A clean solar panel ensures efficient charging.
- **Battery:** The internal rechargeable batteries are designed for long-term use. If the light's performance significantly degrades over time, the batteries may need replacement by a qualified technician. Do not attempt to replace batteries yourself.
- **Weather Resistance:** The unit is weather-resistant (IP44). While designed for outdoor use, prolonged exposure to extreme weather conditions (e.g., heavy hail, blizzards) may affect its lifespan.



Image: The Sunforce 82193 light and solar panel installed outdoors during rainfall, illustrating its weather-resistant (IP44) design. This indicates its suitability for various outdoor conditions.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	<p>Solar panel not receiving enough sunlight.</p> <p>Motion sensor settings are incorrect.</p> <p>Batteries are not fully charged or are depleted.</p>	<p>Relocate solar panel to an area with direct sunlight.</p> <p>Adjust 'TIME' and 'DISTANCE' dials. Ensure 'BRIGHTNESS' is not set to 'OFF'.</p> <p>Allow 1-2 days of full sunlight charging. If issue persists, internal batteries may need service.</p>
Light stays on too long or too short.	'TIME' setting is incorrect.	Adjust the 'TIME' dial to the desired duration (30s, 60s, or 120s).

Problem	Possible Cause	Solution
Motion sensor is not detecting motion or is too sensitive.	'DISTANCE' setting is incorrect. Obstructions blocking sensor.	Adjust the 'DISTANCE' dial to increase or decrease sensitivity. Clear any objects (bushes, trees) that might be blocking the sensor's view.
Light output is dim.	'BRIGHTNESS' setting is on 1000LM. Solar panel is dirty. Insufficient charging.	Set 'BRIGHTNESS' dial to 2000LM. Clean the solar panel surface. Ensure solar panel receives adequate direct sunlight.

9. SPECIFICATIONS

Feature	Detail
Model Number	82193
Light Source	LED
Brightness	Adjustable 1000 / 2000 Lumens
Power Source	Solar Powered
Motion Sensor	Yes
Detection Range	Up to 9.1 m (30 ft)
Detection Angle	180 degrees
Light Duration	Adjustable (30s, 60s, 120s)
Material	Plastic
Color	White
Mounting Type	Wall Mount
Weather Resistance	IP44
Assembly Required	No

10. WARRANTY AND SUPPORT

Specific warranty details and customer support contact information are not provided within this manual. Please refer to the product packaging, the retailer's website, or the manufacturer's official website for the most current warranty policy and support options.

