

Sunforce 1900548

Sunforce Solar Motion Security Light User Manual

Brand: Sunforce

INTRODUCTION

The Sunforce Solar Motion Security Light is designed to provide reliable, energy-efficient outdoor lighting and enhanced security. Utilizing solar power, this light automatically activates when motion is detected, illuminating dark areas such as entryways, garages, pathways, sheds, and remote locations. Its adjustable lamp heads offer maximum lighting coverage, and the amorphous solar panel ensures charging even in indirect daylight conditions.

PRODUCT FEATURES

- **Adjustable Lamp Heads:** Side lamp heads can be moved upwards, downwards, and horizontally to achieve maximum lighting coverage for various areas.
- **Motion Activated:** Automatically turns on when motion is detected, providing immediate illumination for security and convenience.
- **Solar Powered:** Equipped with an amorphous solar panel that charges the included batteries during the day, allowing the light to operate at night without requiring main power or wiring.
- **Super-Bright LEDs:** Features 150 super-bright white LEDs for powerful and reliable lighting.
- **Wide Detection Range:** The motion sensor offers a 180-degree detection range and a detection distance of up to 30 feet (9.1 meters).
- **Adjustable Settings:** Includes two adjustable settings for customizing detection distance and light duration.
- **Weather Resistant:** Fully weather-resistant design allows for mounting in almost any outdoor location.

WHAT'S IN THE BOX

Your Sunforce Solar Motion Security Light package includes the following components:

- Sunforce Solar Motion Security Light Unit (with integrated motion sensor and LED heads)
- Amorphous Solar Panel with connecting wire (approximately 14.7 ft / 4.5 m)
- Mounting Hardware (screws and anchors)
- Instruction Manual

SETUP AND INSTALLATION

Follow these steps to properly install your solar motion security light:

1. **Choose a Location:** Select a mounting location for the light unit that provides the desired illumination area. Ensure the solar panel can be mounted in a location that receives direct sunlight for most of the day to ensure optimal charging. The solar panel comes with a 14.7 ft (4.5 m) wire, allowing flexibility in panel placement.

2. **Mount the Light Unit:**



The light unit features a mounting bracket. Detach the mounting base from the light unit if necessary (some models allow sliding the base off). Use the provided screws and anchors to securely fasten the mounting base to your chosen wall or surface. Once the base is secure, reattach the light unit to the base.

3. **Mount the Solar Panel:**



Position the solar panel in an area that receives maximum direct sunlight throughout the day. Use the provided mounting hardware to secure the solar panel. Angle the panel to face the sun for optimal charging efficiency.

4. **Connect the Solar Panel:** Plug the wire from the solar panel into the designated port on the back of the light unit. Ensure the connection is secure.
5. **Initial Charge:** Allow the solar panel to charge the light's internal batteries for at least 3 full days before initial use. This ensures the batteries are fully charged for optimal performance.
6. **Adjust Lamp Heads:**



Adjust the three LED lamp heads to direct light to your desired areas. The heads can be moved independently upwards, downwards, and horizontally to customize the lighting coverage.

OPERATING INSTRUCTIONS

The Sunforce Solar Motion Security Light is designed for automatic operation. It charges during the day and activates at night

when motion is detected.

Motion Sensor Settings:

The motion sensor unit typically has adjustable dials for customizing its behavior. These settings allow you to fine-tune the light's operation to suit your specific needs:

- **TIME Setting:** This dial controls how long the light remains on after motion is detected. You can typically set it for durations ranging from a few seconds to several minutes.
- **DISTANCE/SENSITIVITY Setting:** This dial adjusts the detection range of the motion sensor. A higher sensitivity setting will detect motion from further away (up to 30 feet / 9.1 meters), while a lower setting will require motion to be closer to activate the light.
- **LUX/DAYLIGHT Setting:** This dial determines the ambient light level at which the motion sensor becomes active. For example, setting it to a lower LUX value means the light will only activate in very dark conditions, while a higher LUX value will allow it to activate in dim light.

Experiment with these settings to find the optimal configuration for your installation location.

Detection Area:



The motion sensor provides a wide 180-degree detection range, covering a significant area. The detection distance is approximately 30 feet (9.1 meters). Ensure the sensor is not obstructed by objects that could block its field of view.

MAINTENANCE

To ensure the longevity and optimal performance of your Sunforce Solar Motion Security Light, regular maintenance is recommended:

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and efficient battery charging.
- **Check Connections:** Occasionally inspect the wire connection between the solar panel and the light unit to ensure it remains secure and free from corrosion or damage.
- **Clear Obstructions:** Ensure that no new obstructions (e.g., growing branches, new structures) are blocking direct sunlight to the solar panel or the motion sensor's field of view.
- **Battery Replacement:** While the light uses rechargeable batteries, their lifespan can vary. If you notice a significant decrease in performance over time, the internal rechargeable batteries may need to be replaced. Refer to the manufacturer's guidelines for specific battery types and replacement procedures.

TROUBLESHOOTING

If your Sunforce Solar Motion Security Light is not functioning as expected, consider the following common issues and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar panel charge.	Ensure solar panel is in direct sunlight for at least 6-8 hours daily. Clean the panel. Allow 3 days for initial full charge.
Light stays on constantly.	Motion sensor is too sensitive or faulty.	Adjust the SENSITIVITY/DISTANCE dial to a lower setting. Ensure no constant motion (e.g., tree branches) is in the detection zone. Check LUX setting.
Light flashes or is dim.	Low battery charge or aging batteries.	Ensure adequate sunlight for charging. If problem persists, consider replacing the internal rechargeable batteries.
Motion sensor not detecting.	Sensor obstructed or incorrect angle.	Clear any obstructions from the sensor's view. Adjust the sensor's angle to cover the desired area. Increase SENSITIVITY/DISTANCE setting.

SPECIFICATIONS

Feature	Detail
Brand	Sunforce
Model Number	1900548
Light Source Type	LED
Brightness	1500 Lumens
Power Source	Solar Powered
Motion Sensor Detection Range	180 degrees
Motion Sensor Detection Distance	Up to 30 ft (9.1 m)
Material	Acrylonitrile Butadiene Styrene (Plastic)
Color	Orange (Light unit is white, referring to accent color or packaging)
Product Dimensions	12"L x 12"W x 12"H (Approximate)
Item Weight	2 Pounds
Installation Type	Flush Mount (Wall Mount)
Water Resistance Level	Water Resistant
Batteries Required	2 AA batteries (internal, rechargeable)
UPC	0688432821815

WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact Sunforce customer service directly. Refer to the contact details provided on the product packaging or the official Sunforce website.

Note: Protection plans may be available for purchase separately through your retailer.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question