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NOMA 180

NOMA 180 Degree LED Solar Motion Sensor Light User Manual

Model: 180

1. Introduction

Thank you for choosing the NOMA 180 Degree LED Solar Motion Sensor Light. This product is designed to provide efficient and reliable outdoor lighting using solar power, activating automatically upon detecting motion. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of your device.

Important Safety Information

- Always follow local electrical codes and regulations when installing.
- Do not attempt to disassemble or modify the product. This may void the warranty and pose safety risks.
- Keep the product away from flammable materials and extreme temperatures.
- Ensure the mounting surface is stable and can support the weight of the light.
- Dispose of batteries according to local regulations.

2. Package Contents

Please verify that all components are present before beginning installation:

- NOMA 180 Degree LED Solar Motion Sensor Light Unit
- Separate Solar Panel with connecting cable
- Mounting Hardware (screws, wall anchors)
- User Manual (this document)



Image: The NOMA 180 Degree LED Solar Motion Sensor Light unit (left) with its integrated motion sensor and LED array, alongside the separate solar panel (right) designed for optimal sun exposure.

3. Setup and Installation

3.1 Choosing a Location

- Select a location for the solar panel that receives at least 6-8 hours of direct sunlight daily. Avoid shaded areas.
- Choose a mounting location for the light unit that provides the desired illumination coverage and motion detection range. The motion sensor has a 180-degree detection angle.
- Ensure the cable connecting the solar panel to the light unit can reach comfortably without tension.

3.2 Mounting the Solar Panel

1. Position the solar panel in the chosen sunny location.
2. Mark the drilling points for the mounting bracket.
3. Drill pilot holes and insert wall anchors if mounting on masonry or drywall.
4. Secure the solar panel bracket using the provided screws. Adjust the angle of the panel to face the sun directly.

3.3 Mounting the Light Unit

1. Position the light unit at the desired height and angle.
2. Mark the drilling points for the light unit's mounting base.
3. Drill pilot holes and insert wall anchors if necessary.
4. Secure the light unit using the provided screws.
5. Connect the cable from the solar panel to the input port on the light unit. Ensure a secure connection.

3.4 Initial Charge

Before first use, allow the solar panel to charge the internal battery for at least 24-48 hours in direct sunlight. This ensures optimal performance.

4. Operating Instructions

The NOMA 180 Degree LED Solar Motion Sensor Light is designed for automatic operation.

- **Automatic Dusk-to-Dawn Operation:** The light features a built-in photocell sensor that detects ambient light levels. The unit will automatically enter standby mode during the day to charge and activate its motion sensor at dusk.
- **Motion Detection:** When motion is detected within its 180-degree sensing range, the LED light will illuminate. The light will remain on as long as motion is detected and for a short period after motion ceases.

- **Adjustable Settings:** While specific controls are not detailed, typical solar motion lights may have adjustable settings for motion sensitivity (how easily it detects motion) and light duration (how long the light stays on after motion stops). Refer to any physical dials or switches on your specific unit for these adjustments.

5. Maintenance

Regular maintenance ensures the optimal performance and longevity of your solar motion sensor light.

- **Cleaning the 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 charging.
- **Cleaning the Light Unit:** Clean the LED lens and motion sensor window with a soft, damp cloth to maintain clear light output and accurate motion detection.
- **Battery Care:** The unit contains rechargeable batteries. Over time, rechargeable batteries may lose their capacity. If the light's performance significantly diminishes, the batteries may need replacement. *Note: Replacement batteries for this model may require specific types (e.g., SN0917 or SN4818 as mentioned in customer reviews) and may be difficult to source. Contact NOMA customer support for guidance on battery replacement.*
- **Winter Operation:** In colder climates, ensure snow and ice are cleared from the solar panel. Reduced sunlight hours in winter may affect charging efficiency and light duration.

6. Troubleshooting

If you experience issues with your NOMA Solar Motion Sensor Light, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	• Insufficient solar charge. • Solar panel is dirty or obstructed. • Light switch is off (if applicable). • Motion sensor is obstructed or faulty. • Battery capacity is low or depleted.	• Ensure solar panel receives 6-8 hours of direct sunlight daily. • Clean the solar panel surface. • Check for any physical on/off switch and ensure it is in the "ON" position. • Clear any obstructions from the motion sensor. • Allow several days of full charge. If problem persists, consider battery replacement (see Maintenance).
Light stays on constantly or flashes.	• Motion sensor is continuously triggered. • Faulty motion sensor. • Internal wiring issue.	• Adjust the angle of the light or motion sensor to avoid constant triggers (e.g., tree branches, passing traffic). • Contact customer support if the sensor appears faulty.
Light is dim or only stays on for a short time.	• Insufficient solar charge. • Aging or depleted batteries. • Cold weather affecting battery performance.	• Ensure optimal solar panel placement and cleanliness. • Consider replacing the batteries (see Maintenance). • Performance may be reduced in very cold temperatures.

7. Specifications

Model Number	180
Power Source	Solar Powered
Light Source Type	LED
Special Feature	Motion Sensor (180 Degree)
Installation Type	Flush Mount
Indoor/Outdoor Usage	Outdoor
Color	Black
Control Method	Remote

8. Warranty and Support

NOMA products are manufactured to high-quality standards. For warranty information, technical support, or inquiries regarding replacement parts (such as batteries), please contact NOMA customer service directly. Keep your proof of purchase for any warranty claims.

Please note that specific warranty terms and contact details may vary by region and purchase date. Refer to the packaging or the official NOMA website for the most current information.

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