

MEIHUA MH-P001E

MEIHUA 70W Motion Sensor Outdoor Light User Manual

Model: MH-P001E

1. PRODUCT OVERVIEW

The MEIHUA 70W Motion Sensor Outdoor Light is a high-performance LED security floodlight designed for various outdoor applications. It features three adjustable heads, a sensitive motion sensor, and multiple working modes, providing efficient and customizable illumination for your home, garage, garden, or other outdoor spaces. Its robust IP66 waterproof design ensures reliable operation in diverse weather conditions.



Figure 1.1: The MEIHUA 70W Motion Sensor Outdoor Light effectively illuminates different outdoor environments, including gardens, patios, driveways, and building exteriors, providing enhanced security and visibility.

2. SAFETY INFORMATION

- Always turn off the power at the circuit breaker before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- Ensure the mounting surface is strong enough to support the fixture.
- Do not look directly into the LED light source when the light is on, as it may cause eye strain or damage.
- Keep the product away from flammable materials.
- This product is double insulated and does not require an earth wire.

3. PACKAGE CONTENTS

Please check the package to ensure all components are present and undamaged:

- MEIHUA 70W Motion Sensor Outdoor Light (1 unit)
- Remote Control (1 unit)
- Mounting Screws and Wall Anchors (Set)
- Wire Nuts (2 units)
- Mounting Bracket (1 unit)



Figure 3.1: Illustration of the product and its included accessories, such as the main light unit, remote control, wire nuts, screws, and mounting bracket.

4. INSTALLATION GUIDE

Follow these steps for proper installation:

1. **Preparation:** Turn off power at the circuit breaker.
2. **Mounting Location:** Choose a suitable location on a wall or soffit that can support the light fixture. The light can be installed on ceilings or walls.
3. **Install Mounting Bracket:** Secure the widened and thickened 180° adjustable metal bracket to the desired surface using the provided screws and wall anchors.

- Flexible and Adjustable**

Can be installed almost anywhere

180°

180°

180°

Meihua

180°

180°

180°

180°

180°

210°

270°

• Ceiling installation

• Wall installation

Examples of both ceiling and wall installations are shown.



Figure 4.2: The light supports both soffit (under-eave) and wall mounting, providing flexibility for various architectural designs.

5. OPERATING INSTRUCTIONS

5.1 Remote Control Functions

The included remote control allows for convenient adjustment of various settings without needing to access the light fixture directly.

Remote Control & Button Setting

Multifunctional and more convenient



Figure 5.1: The remote control provides options to adjust lighting time (45s-90s-120s-5min-10min), sensing distance (6m/19.69ft, 9m/29.53ft, 12m/39.37ft), and brightness (10%-100%).

- **Lighting Time:** Adjust the duration the light stays on after motion detection (45s, 90s, 120s, 5min, 10min).
- **Sensing Distance:** Set the motion detection range (6m/19.69ft, 9m/29.53ft, 12m/39.37ft).
- **Brightness:** Adjust the light intensity from 10% to 100%.
- **ON/OFF:** Manually turn the light on or off.



Figure 5.2: The light offers 10 levels of brightness adjustment, from a dim 10% to a full 100% illumination, allowing users to customize the light output.



Figure 5.3: The sensor lighting time can be adjusted to 45 seconds, 90 seconds, 120 seconds, 5 minutes, or 10 minutes, controlling how long the light remains on after motion is detected.

5.2 Working Modes

The light features four distinct working modes, selectable via the remote control or buttons on the sensor unit:

4 Working Modes



Figure 5.4: Overview of the four operational modes: Always-on, Night Induction, 24H Induction, and Timing, each with specific behaviors for light activation.

- **1. Always-on Mode:** The light will remain on continuously, regardless of motion detection or ambient light levels.

4 Working Modes



The light will stay on regardless of whether motion is detected

Figure 5.5: Always-on Mode keeps the light illuminated continuously.

- **2. Night Induction Mode:** The light will only activate at night when motion is detected.

Night Induction Mode



Lights up only at night when motion is detected

Figure 5.6: Night Induction Mode ensures the light only turns on with motion after dark.

- **3. 24H Induction Mode:** The light will activate both during the day and at night when motion is detected.

24H Induction Mode



Lights up during the day or night when motion is detected

Figure 5.7: 24H Induction Mode allows the light to respond to motion detection around the clock.

- **4. Timing Mode:** The light will stay on for a set duration (1H/2H/3H) at any time of day or night.



Figure 5.8: Timing Mode enables the light to remain on for a fixed period, such as 1, 2, or 3 hours.

5.3 Manual Button Settings (on sensor unit)

The sensor unit also has physical buttons for basic adjustments:



Figure 5.9: The sensor unit features buttons to select lighting time (5s, 45s, 120s, 600s) and switch between Night Mode (only works at night) and Day Mode (24 hours working).

- **Lighting Time:** Press the button to cycle through 5s, 45s, 120s, or 600s (10 minutes) for the light duration.
- **Working Mode:** Select between "Night Mode" (light activates only at night) and "Day Mode" (light activates 24 hours).

6. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your MEIHUA Motion Sensor Outdoor Light, follow these maintenance guidelines:

- **Cleaning:** Periodically clean the light fixture and motion sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check for any loose connections or damage to the wiring and mounting.
- **Weather Resistance:** The light is IP66 waterproof, heat-resistant, and frost-resistant, designed to withstand various outdoor conditions. However, avoid submerging the unit in water.

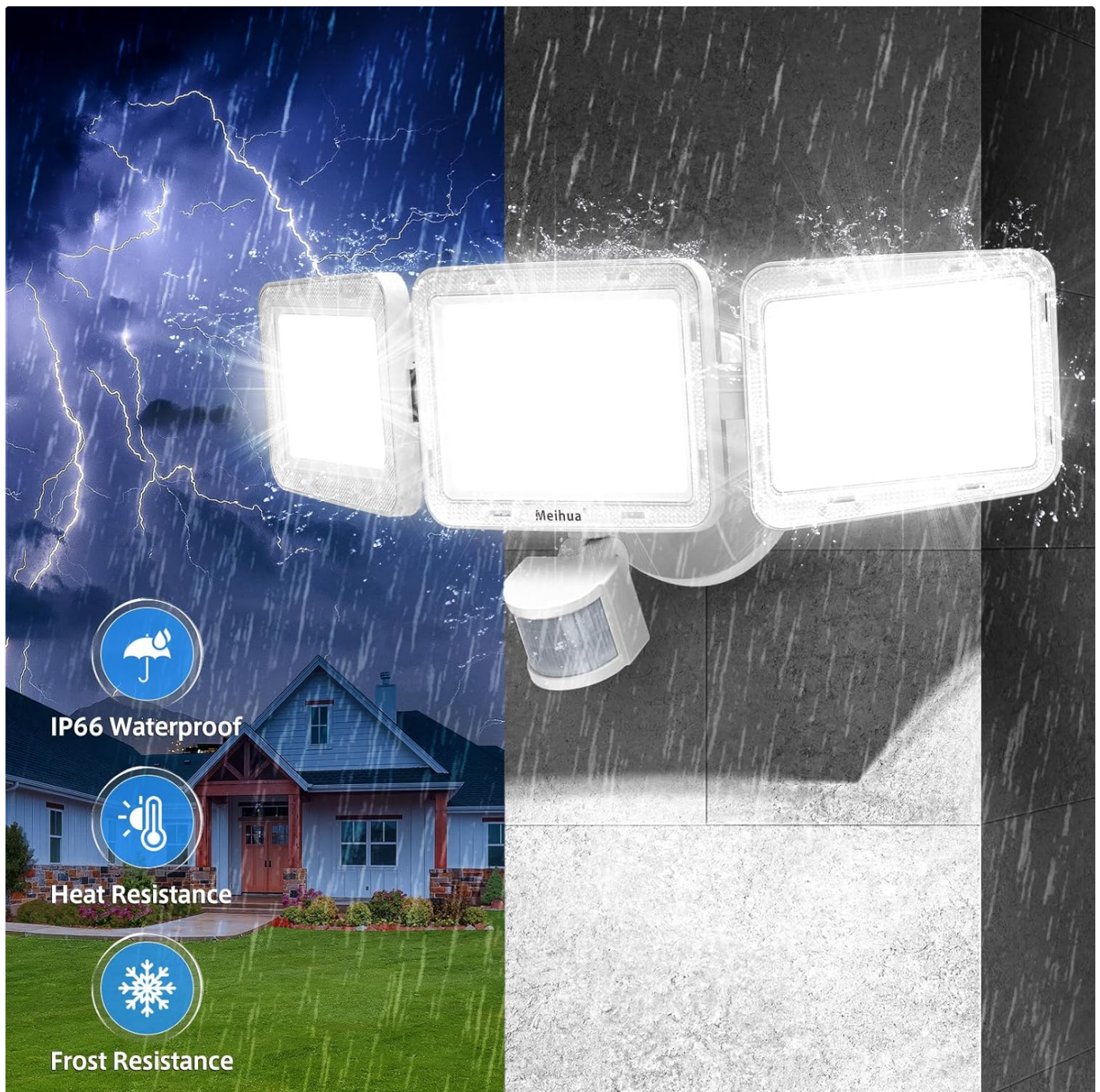


Figure 6.1: The light is built with IP66 waterproofing, ensuring protection against dust and strong jets of water, and is designed to be resistant to both heat and frost, making it suitable for all seasons.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power; faulty wiring; sensor obstructed; incorrect mode.	Check circuit breaker. Verify wiring connections. Clear any obstructions from the sensor. Ensure correct working mode is selected (e.g., not in "Night Induction" during daytime).
Light stays on continuously.	"Always-on Mode" selected; continuous motion detected; sensor malfunction.	Switch to a motion-sensing mode. Ensure no constant motion in the detection area. If problem persists, contact support.

Problem	Possible Cause	Solution
Light flashes or flickers.	Unstable power supply; loose wiring; faulty LED.	Check power supply stability. Secure all wiring connections. If flickering continues, contact support.
Motion sensor not detecting.	Incorrect sensitivity setting; sensor obstructed; outside detection range.	Adjust sensing distance via remote. Clear sensor lens. Ensure motion occurs within the specified detection range (up to 39ft).

8. PRODUCT SPECIFICATIONS

Feature	Specification
Model Number	MH-P001E
Power Consumption	70W
Luminous Flux	6800 Lumens
Color Temperature	5000K (Daylight)
LED Beads	120 high-quality LED beads
Motion Sensor Detection Range	Up to 39ft (12m)
Motion Sensor Detection Angle	180°
Adjustable Lighting Time	45s, 90s, 120s, 5min, 10min
Brightness Adjustment	10% - 100% (10 levels)
Working Modes	Always-on, Night Induction, 24H Induction, Timing (1H/2H/3H)
IP Rating	IP66 Waterproof
Material	Acrylonitrile Butadiene Styrene
Product Dimensions	14.5 x 16 x 20 cm; 1.34 kg
Country of Origin	China









Figure 8.1: Key specifications of the MEIHUA 70W Motion Sensor Outdoor Light, including its high brightness, color temperature, and motion detection capabilities.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official MEIHUA website. Keep your purchase receipt as proof of purchase.



	<p>Meihua B04-21SP-H-D Solar Spotlights User Manual - Outdoor Garden Lighting</p> <p>Comprehensive user manual for Meihua B04-21SP-H-D solar spotlights. Learn about installation, operation, features, and specifications for these IP66 waterproof outdoor garden lights available in warm, neutral, and cool white.</p>
	<p>LED Solar Ground Lights - User Guide and Specifications</p> <p>This document provides specifications, package contents, and usage instructions for LED Solar Ground Lights. It includes details on materials, dimensions, LED quantity, battery type, and important attention points for optimal performance and maintenance. The guide is available in English, French, German, Spanish, Italian, and Japanese.</p>
	<p>Festive Lights Solar Powered Lights User Manual</p> <p>Instructions and specifications for Festive Lights solar-powered lights, covering operation, placement, battery replacement, and disposal. Includes multilingual content in English, French, and German.</p>
	<p>Sunco Lighting Dusk to Dawn LED Barn Light - 55W, 5000K, IP65 Rated Outdoor Fixture</p> <p>Discover the Sunco Lighting 55W Dusk to Dawn LED Barn Light. This IP65 rated fixture delivers 7150 lumens at 5000K, featuring a built-in photocell, durable aluminum construction, and a 5-year warranty. Ideal for area, barn, and warehouse lighting.</p>
	<p>Aurora Glow Solar String Lights: Setup and Instructions</p> <p>Detailed instructions for setting up and using Aurora Glow Solar String Lights by Allsop Home & Garden. Includes parts list, step-by-step assembly guide, helpful usage tips, and contact information.</p>
	<p>HD07VR-MH-B-1 Microwave Sensor Head: Features, Specifications, and Application Notes</p> <p>Comprehensive details on the HD07VR-MH-B-1 microwave sensor head, covering its features, technical specifications, dimensions, detection coverage, wiring, performance parameters, and application guidelines for lighting control.</p>