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CLY GY025/25W-WW

CLY 25W LED Motion Sensor Floodlight User Manual

Model: GY025/25W-WW

1. Introduction

Thank you for purchasing the CLY 25W LED Motion Sensor Floodlight. This product is designed to provide efficient and versatile lighting for various indoor and outdoor applications, featuring advanced motion sensing, remote control operation, and multiple lighting modes. Please read this manual carefully before installation and use to ensure proper operation and safety.

2. Product Features

- **High Brightness & Energy Saving:** 25W LED with 3000LM output, equivalent to 150W halogen, saving over 80% energy compared to incandescent bulbs.
- **Dual Control Methods:** Operable via both the main unit button and a convenient remote control.
- **Advanced Motion Sensor:** PIR sensor detects movement to automatically turn the light ON/OFF, preventing forgotten turn-offs.
- **Adjustable Settings:** Customize illumination time (5s, 45s, 90s, 120s, 5min, 10min), detection distance (6m, 9.6m, 12m), and operating mode (Night Mode / 24-Hour Mode).
- **Constant Lighting Mode:** Allows continuous illumination like a standard floodlight, useful for BBQ, work, or sports practice. Includes 1H/2H/3H timer options for constant light before switching to sensor mode.
- **Ultra-Thin Design & Durable Construction:** Compact 3cm thickness, tempered glass for soft, diffused light, and fin-shaped heat sink for excellent heat dissipation, extending product life. PSE certified for safety.
- **IP66 Waterproof & Dustproof:** Suitable for both indoor and outdoor use in various environments. (Note: Not fully submersible; avoid constant wet conditions.)
- **Versatile Plug:** Features a foldable 2-pin and 3-pin compatible plug for easy use with household power outlets without an adapter.
- **Adjustable Light Angle:** Sensor head rotates 180° horizontally and 90° vertically. The light body can be adjusted 180° up and down.

3. Package Contents

- CLY 25W LED Motion Sensor Floodlight Unit
- Remote Control
- Instruction Manual
- Mounting Screws

4. Specifications

Parameter	Value
Power Consumption	25W
LED Color	Bulb Color (2700K)
Lumen Output	3000LM
Beam Angle	120°
Waterproof Rating	IP66
Input Voltage	AC100V / 50-60Hz
Cord Length	Approx. 1.5m (Foldable Plug)
Dimensions (approx.)	12.4cm × 16.7cm × 2.55cm
Operation Methods	Main Unit Button / Remote Control (2-way)
Usage Environment	Indoor / Outdoor
Material	ABS, Aluminum, Tempered Glass
Model Number	GY025/25W-WW

5. Safety Information

- This product is PSE certified, ensuring compliance with Japanese electrical product safety standards.
- While IP66 rated for water and dust resistance, avoid installing the product in locations where it will be constantly exposed to water (e.g., submerged). Ensure good ventilation, especially during rain.
- Do not disassemble or modify the product. This may lead to malfunction, electric shock, or fire.
- Ensure the power supply is disconnected before installation or maintenance.
- Install the product securely using the provided mounting screws to prevent it from falling.
- Do not look directly into the LED light when it is on, as it may cause eye strain.

6. Setup and Installation

The CLY Motion Sensor Floodlight is designed for easy installation. Follow these steps:

1. **Choose a Location:** Select a suitable location for installation, such as an entrance, garage, warehouse, or pathway. Ensure the area allows for optimal motion detection and light coverage.
2. **Mark Drilling Points:** Use the mounting bracket as a template to mark the drilling points on the wall or ceiling.
3. **Drill Holes:** Drill holes at the marked points. Insert wall anchors if necessary for secure mounting.
4. **Mount the Bracket:** Secure the mounting bracket to the surface using the provided screws.
5. **Attach the Light:** Attach the floodlight unit to the mounted bracket.
6. **Adjust Angle:** Adjust the light head and sensor head to the desired angles. The light can be adjusted 180° vertically, and the sensor can rotate 180° horizontally and 90° vertically.
7. **Connect Power:** Plug the power cord into a standard AC100V outlet. The foldable 2-pin/3-pin plug allows for direct connection without an adapter.



Image: Installation diagram showing the light mounted on a wall and adjusted.



Image: Various installation scenarios for the CLY motion sensor light, including entrances, gardens, garages, and warehouses.

7. Operating Instructions

The CLY Motion Sensor Floodlight offers two primary control methods: the main unit button and the remote control.

7.1 Main Unit Button Operation

The main unit features buttons for basic adjustments:

- **Time Adjustment (L button):** Adjusts the illumination duration after motion detection. Options typically include 5s, 45s, 90s, 120s, 5min, 10min.
- **Mode Selection (M button):** Switches between Night Mode (light activates only in darkness) and 24-Hour Mode (light activates anytime motion is detected).
- **Sensitivity/Detection Distance (S button):** Adjusts the sensor's detection range.



Image: Close-up of the main unit buttons for time and mode adjustment.

7.2 Remote Control Operation

The remote control provides comprehensive settings adjustment from a distance.

- **ON/OFF:** Toggles the light between constant ON (Constant Lighting Mode) and constant OFF.
- **Detection Distance:** Adjusts the sensor's detection range (6m, 9.6m, 12m).
- **Illumination Time:** Sets the duration the light stays on after motion detection (5s, 45s, 90s, 120s, 5min, 10min).
- **Operating Mode:**
  - **Night Mode (Moon icon):** Light activates only when it's dark and motion is detected.
  - **24-Hour Mode (Sun icon):** Light activates anytime motion is detected, regardless of ambient light.
- **Constant Lighting Timer (1H/2H/3H):** Activates constant lighting for 1, 2, or 3 hours, after which it automatically switches back to 45-second Night Sensor Mode.



Image: Diagram showing the remote control and its various functions for adjusting settings.



Image: Illustration of illumination time settings via remote control, showing different durations.



Image: Illustration of operating mode adjustment (Night vs. 24-Hour) via remote control.



Image: Illustration of detection distance adjustment via remote control, showing ranges of 6m, 9.6m, and 12m.



Image: Illustration of constant lighting mode and timer function via remote control, showing 1H/2H/3H options.

8. Maintenance

- **Cleaning:** Wipe the light and sensor surface with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the mounting screws and power cord for any signs of damage or loosening.
- **Sensor Clarity:** Ensure the sensor lens is clean and free from obstructions (e.g., dirt, spiderwebs) for optimal performance.

9. Troubleshooting

Problem	Possible Cause / Solution
Light does not turn on.	◦ Check if the power cord is securely plugged in. ◦ Ensure the power outlet is functioning. ◦ Verify the operating mode. In Night Mode, it will not activate during daylight. ◦ Check if the sensor is obstructed or dirty.
Light stays on continuously.	◦ The light might be in Constant Lighting Mode. Press the ON/OFF button on the remote to switch to sensor mode. ◦ There might be continuous motion within the detection range.
Sensor not detecting motion or sensitivity is low.	◦ Adjust the detection distance setting using the remote control. ◦ Ensure the sensor lens is clean and free from obstructions. ◦ The sensor's angle might need adjustment. ◦ Extreme temperatures can affect sensor performance.
Remote control not working.	◦ Check if the remote control battery needs replacement. ◦ Ensure there are no obstructions between the remote and the light's sensor.

10. Warranty and Support

CLY provides a 1-year quality warranty from the date of purchase. If you encounter any issues with the product, please contact CLY customer support with your purchase details. Our goal is to ensure customer satisfaction and provide high-quality service. For support, please visit the CLY store on Amazon or contact us directly through the platform where you made your purchase.

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