

ALUSSO WL-YDR-230P

ALUSSO WL-YDR-230P Motion Sensor Outdoor Flood Light Instruction Manual

Model: WL-YDR-230P

1. INTRODUCTION

Thank you for choosing the ALUSSO Motion Sensor Outdoor Flood Light. This manual provides essential information for the safe installation, operation, and maintenance of your new security light. Please read these instructions thoroughly before installation and retain them for future reference.



Image: ALUSSO 30W LED Security Light installed on a house, illuminating the front yard.

2. SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK. Disconnect power at the fuse or circuit breaker before installing or servicing.

- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Use only supplied accessories for installation.

- Ensure the balancing mechanism is secure after installation.
- Do not modify or alter the product.
- Do not install near flammable materials.
- This fixture is Class II safety-rated and does not require a ground wire.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before installation.



Image: Diagram showing the ALUSSO flood light components and included accessories for installation.

- ALUSSO Motion Sensor Outdoor Flood Light Unit (1)
- Mounting Bracket (1)
- Screws and Wall Anchors (Set)
- Wire Connectors (Yellow Quick-Connects) (Set)
- Waterproof Gasket (1)
- Instruction Manual (1)
- Warranty Card (1)

4. PRODUCT OVERVIEW

The ALUSSO WL-YDR-230P is a versatile and durable outdoor security light designed to provide powerful illumination and enhanced safety for your property.



Image: Overview of ALUSSO 30W LED Security Light features.

- **Power & Brightness:** 30W, 3500 Lumens, covering up to 2000 sq. ft.
- **Color Temperature (3CCT):** Adjustable between 3000K (Warm White), 4000K (Natural White), and 6500K (Daylight).
- **Operating Modes (3 Modes):** Dusk to Dawn (D2D), Auto (Motion Mode), and On Time (Always On).
- **Motion Sensor:** 150° wide-angle detection with an adjustable range of 1-40 ft.
- **Adjustable Heads:** Dual adjustable light heads provide a 100° beam angle, allowing precise light direction.
- **Durability:** IP65 waterproof rating, UV resistant, and cold resistant for all-weather performance.
- **Safety:** Class II safety-rated, requiring no ground wire.

5. SETUP AND INSTALLATION

This flood light is designed for hardwired installation. Ensure power is disconnected before proceeding.

1. **Turn Off Power:** Locate the circuit breaker controlling the light fixture and turn off the power.
2. **Prepare Wiring:** If replacing an existing fixture, carefully remove it. Ensure the existing wires (Live and Neutral) are accessible.
3. **Install Mounting Bracket:** Attach the provided mounting bracket to your standard 3" or 3.5" round junction box. Use the appropriate screws and anchors for your mounting surface (wall or soffit).
4. **Connect Wires:** Use the yellow quick-connect terminals to securely connect the light's wires to your household wiring. Connect the white wire from the fixture to the neutral wire, and the black wire from the fixture to the live wire. This is a Class II fixture, so no ground wire connection is needed.
5. **Attach Fixture:** Carefully align the flood light unit with the mounting bracket. Ensure the waterproof gasket is properly seated between the fixture and the mounting surface to prevent moisture ingress. Secure the fixture with the provided screws.
6. **Adjust Light Heads:** Loosen the wing nuts on the light heads to adjust their angle and direction as needed. Tighten the wing nuts to secure the position.
7. **Recommended Installation Height:** For optimal sensor performance, install the light at a height of 6.56-9.84 feet (2-3 meters).



Image: Installation steps for the ALUSSO flood light.



Image: Soffit Mounted and Wall Mounted configurations.

6. OPERATING INSTRUCTIONS

Your ALUSSO flood light offers adjustable settings for optimal performance.

6.1. Color Temperature (CCT) Adjustment

A dip switch located on the back of the light fixture allows you to select the desired color temperature:



Image: 3 CCT options: Warm White (3000K), Natural White (4000K), and Daylight (6500K).

- **WW (Warm White):** 3000K
- **NW (Natural White):** 4000K
- **CW (Daylight):** 6500K

Note: Adjust the CCT switch before mounting the fixture for easier access.

6.2. Operating Mode Selection

A dip switch on the back of the motion sensor unit allows you to select one of three operating modes:

3 Work Modes



AUTO Mode



Turn on for **10s-10min** when the sensor detects motion



D2D Mode



Light turns on automatically at night and turns off at dawn



ON Time Mode



Light works with on/off switch, the sensor will not work on this mode

Image: Three work modes of the ALUSSO flood light.

- **D2D Mode (Dusk to Dawn):** The light automatically turns on at sunset and turns off at sunrise. The motion sensor is inactive in this mode.
- **AUTO Mode (Motion Mode):** The light activates when motion is detected within its range. It turns off after a set duration if no further motion is detected.
- **ON TIME Mode (Always On):** The light is manually controlled via the wall switch. The motion sensor is disabled, and the light remains on until manually switched off.

6.3. Auto Mode Adjustments

When in AUTO Mode, three knobs on the bottom of the motion sensor allow for fine-tuning:

Auto Mode

Adjust the detect brightness, sensing distance, lighting time by 3 knobs

LUX



The sensor works all the day



The sensor only works at night

SENS



Change detection distance of 1-40ft

TIME



Set duration time from 10S to 10 Min

Image: Motion sensor with LUX, SENS, and TIME adjustment knobs.

- **LUX (Brightness Sensitivity):** Adjusts the ambient light level at which the motion sensor becomes active. Turn towards the sun icon for day and night operation, or towards the moon icon for night-only operation (5-2000 LUX).
- **SENS (Detection Range):** Controls the sensitivity and detection distance of the motion sensor (1-40 ft).
- **TIME (Duration):** Sets how long the light remains on after motion is detected and no further motion is sensed (10 seconds to 10 minutes).

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Video: Official ALUSSO product video demonstrating features and modes.

7. MAINTENANCE

To ensure the longevity and optimal performance of your ALUSSO flood light, follow these maintenance guidelines:

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or electrical components.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose connections, or wear. Address any issues promptly.

- **Sensor Cleaning:** Keep the motion sensor lens clean and free from obstructions (e.g., dirt, spiderwebs) to ensure accurate detection.



Image: ALUSSO flood light is durable in all weather conditions.

8. TROUBLESHOOTING

If you experience issues with your flood light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, incorrect wiring, mode setting.	Check circuit breaker. Verify wiring connections. Ensure correct operating mode is selected.
Motion sensor not detecting.	Incorrect SENS/LUX settings, obstructions.	Adjust SENS to maximum. Adjust LUX towards sun icon. Clear any obstructions from sensor's view.
Light stays on continuously.	TIME setting too long, continuous motion, D2D mode selected.	Adjust TIME to a shorter duration. Ensure no constant motion in detection zone. Switch to AUTO mode if D2D is not desired.

Problem	Possible Cause	Solution
Light flickers.	Loose wiring, unstable power.	Check all wire connections for tightness. Consult an electrician if power supply is unstable.

9. SPECIFICATIONS

Feature	Specification
Model Name	30W Flood Lights Outdoor Motion Sensor
Part Number	WL-YDR-230P
Wattage	30 watts
Brightness	3500 Lumens
Color Temperature	3000K/4000K/6500K (Adjustable)
Voltage	120 Volts (AC)
Motion Detection Angle	150°
Motion Detection Range	1-40 ft (Adjustable)
Light Duration (Auto Mode)	10 seconds - 10 minutes (Adjustable)
Water Resistance Level	IP65 Waterproof
Indoor/Outdoor Usage	Outdoor
Installation Type	Hardwired, Wall Mount/Soffit Mount
Product Dimensions	9.45"L x 6.9"W x 5.12"H
Item Weight	1.52 pounds (0.69 Kilograms)
Average Life	30000 Hours
Safety Rating	ETL Listed, Class II (no ground wire required)

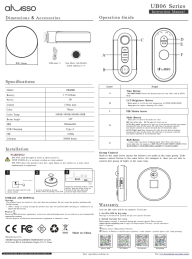

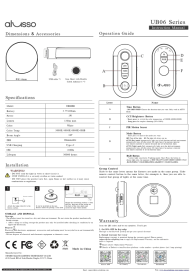
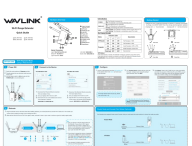

10. WARRANTY AND SUPPORT

ALUSSO provides a **3-year warranty** for this product, as indicated on the packaging. Additionally, a **5-year manufacturer's coverage** is offered, ensuring repair or replacement for any defects in materials or workmanship under normal use.

For any inquiries, technical support, or warranty claims, please contact ALUSSO customer service:

- **Email:** service-support@alussolighting.com
- **Website:** www.alussolighting.com

Related Documents - WL-YDR-230P

	<p>Alusso UB06 Series LED Under Cabinet Light Operation Guide</p> <p>This operation guide provides details on the Alusso UB06 Series LED Under Cabinet Light, including its specifications, installation, operation, and warranty information. It covers features like dimmable lighting, color temperature adjustment, PIR motion sensing, and group control.</p>
	<p>InfoLinker3 Introduction Manual - West Unitis</p> <p>This manual provides an introduction to the West Unitis InfoLinker3, a wearable device featuring a neckband-type computer (NBC) and head-mounted display (HMD) for hands-free communication and work support. It covers intended use, safety precautions, basic operations, and product specifications.</p>
	<p>Alusso UB06 Series LED Under Cabinet Light Operation Guide</p> <p>This operation guide provides details on the Alusso UB06 Series LED Under Cabinet Light, including its specifications, installation, operation, and warranty information. It covers features like dimmable lighting, color temperature adjustment, PIR motion sensing, and group control.</p>
	<p>WAVLINK Wi-Fi Range Extender Quick Guide: Setup and Configuration (WL-WN575A2/A3, WL-WN578A2/A3)</p> <p>This quick guide provides step-by-step instructions for setting up and configuring your WAVLINK Wi-Fi Range Extender (models WL-WN575A2, WL-WN575A3, WL-WN578A2, WL-WN578A3) in Repeater, Router, and Access Point modes. Learn how to connect, configure settings, and optimize placement for extended Wi-Fi coverage.</p>
	<p>Solis WL Stick Datalogger Quick Installation Manual</p> <p>This manual provides a quick guide for installing and configuring the Solis WL Stick Datalogger for solar inverter data monitoring.</p>
	<p>Residential ESS Lithium-ion Battery WL Series User Manual</p> <p>User manual for the WL Series Residential ESS Lithium-ion Battery. This document provides information on product introduction, installation prerequisites, and battery installation. Content for safety instructions, technical data, operation, commissioning, and warranty is not available in the provided OCR text.</p>