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> SANSI Eco Series 18W 1800LM LED Motion Sensor Outdoor Lights, Energy Saving Security Light, 200W Equiv. 5000K Dusk to Dawn Flood Light, 50,000 Hours Lifespan, IP65 Waterproof for Yard, Doorway, Black

SANSI C2440-GW

SANSI Eco Series 18W LED Motion Sensor Outdoor Light User Manual

Model: C2440-GW

PRODUCT OVERVIEW

The SANSI Eco Series 18W LED Motion Sensor Outdoor Light is designed for energy-efficient outdoor illumination and security. This flood light provides 1800 lumens of 5000K light, equivalent to a 200W traditional halogen light, while consuming only 18 watts. It features multiple operating modes including motion sensor, dusk-to-dawn, and on-time modes, offering versatile control for various applications.

Constructed with high-quality PC material and SANSI's patented ceramic heat dissipation technology, this light ensures durability, stability, and a long lifespan of over 50,000 hours. Its IP65 waterproof rating makes it suitable for all weather conditions.



Image: The SANSI Eco Series 18W LED Motion Sensor Outdoor Light, showcasing its dual LED light heads and integrated motion sensor. This black floodlight is designed for outdoor use.

PACKAGE CONTENTS

Verify that all components are present in the package:

- 1x SANSI 18W Security Light (Black)
- 1x Installation Kit (includes mounting plate, screws, wire nuts)
- 1x Instruction Manual (this document)

SAFETY INFORMATION

Before installation or operation, please read and understand all safety instructions. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always turn off power at the circuit breaker before installing or servicing the fixture.
- Consult a qualified electrician if you are unsure about the installation process.
- Do not install on a dimmer switch.
- Ensure the fixture is properly grounded.
- Do not look directly into the LED light source when illuminated, as it may cause eye strain or damage.

- This product is rated for outdoor use (IP65 waterproof).

INSTALLATION GUIDE

Follow these steps for proper installation of your SANSI Eco Series 18W LED Motion Sensor Outdoor Light.

1. Prepare for Installation:

- Turn off power at the main circuit breaker before beginning installation.
- Ensure the mounting surface is stable and can support the weight of the fixture.

2. Fix the Mounting Plate:

Attach the mounting plate securely onto the junction box using the provided screws. Ensure it is flush with the mounting surface.



Image: Illustration showing the mounting plate being attached to a junction box with screws.

3. Connect the Wires:

Connect the wires from the fixture to your household wiring using the provided wire nuts. Match the colors:

- Black wire (fixture) to Hot wire (household)
- White wire (fixture) to Negative wire (household)

- Green wire (fixture) to Ground wire (household)

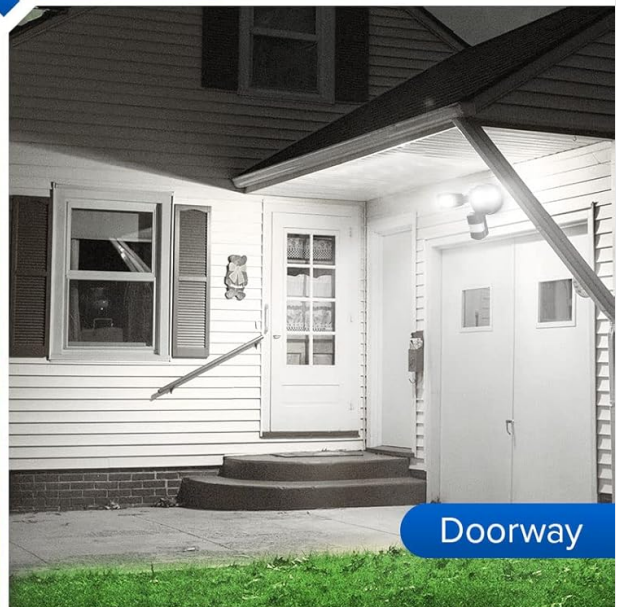
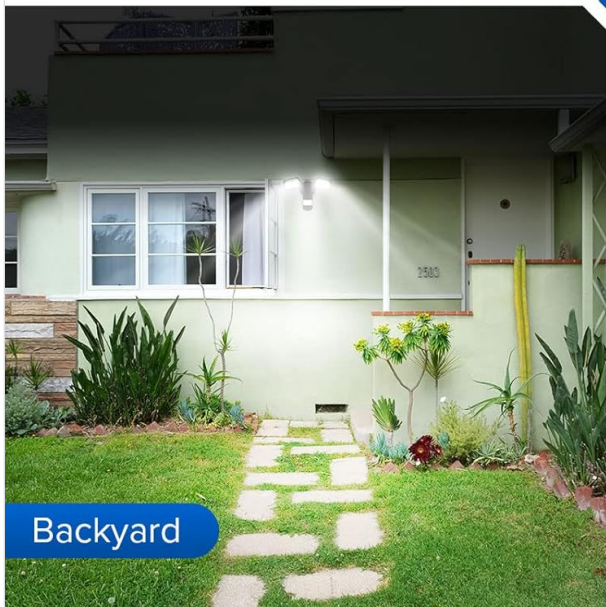
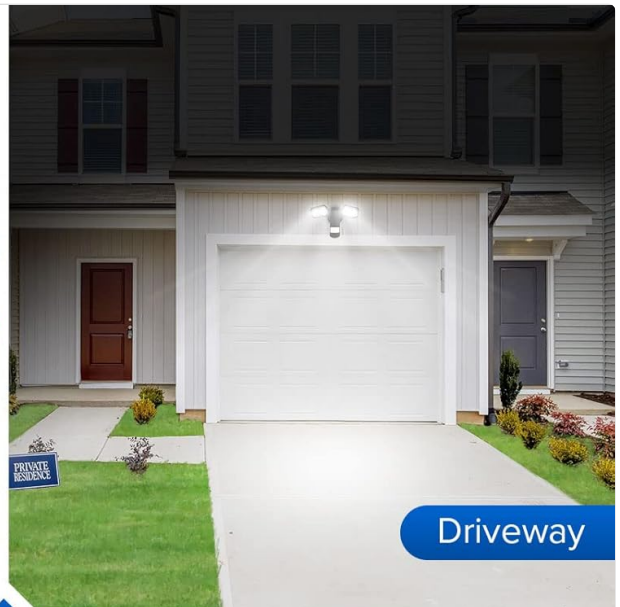
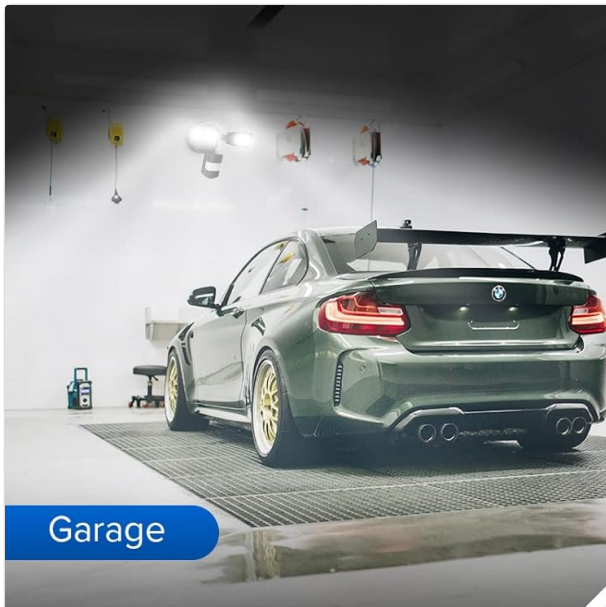


Image: Diagram illustrating the correct wire connections: black to hot, white to negative, and green to ground, secured with wire nuts.

4. Fix the LED Light on the Mounting Plate:

Carefully align the light fixture with the mounting plate and secure it in place with the retaining screw or mechanism.

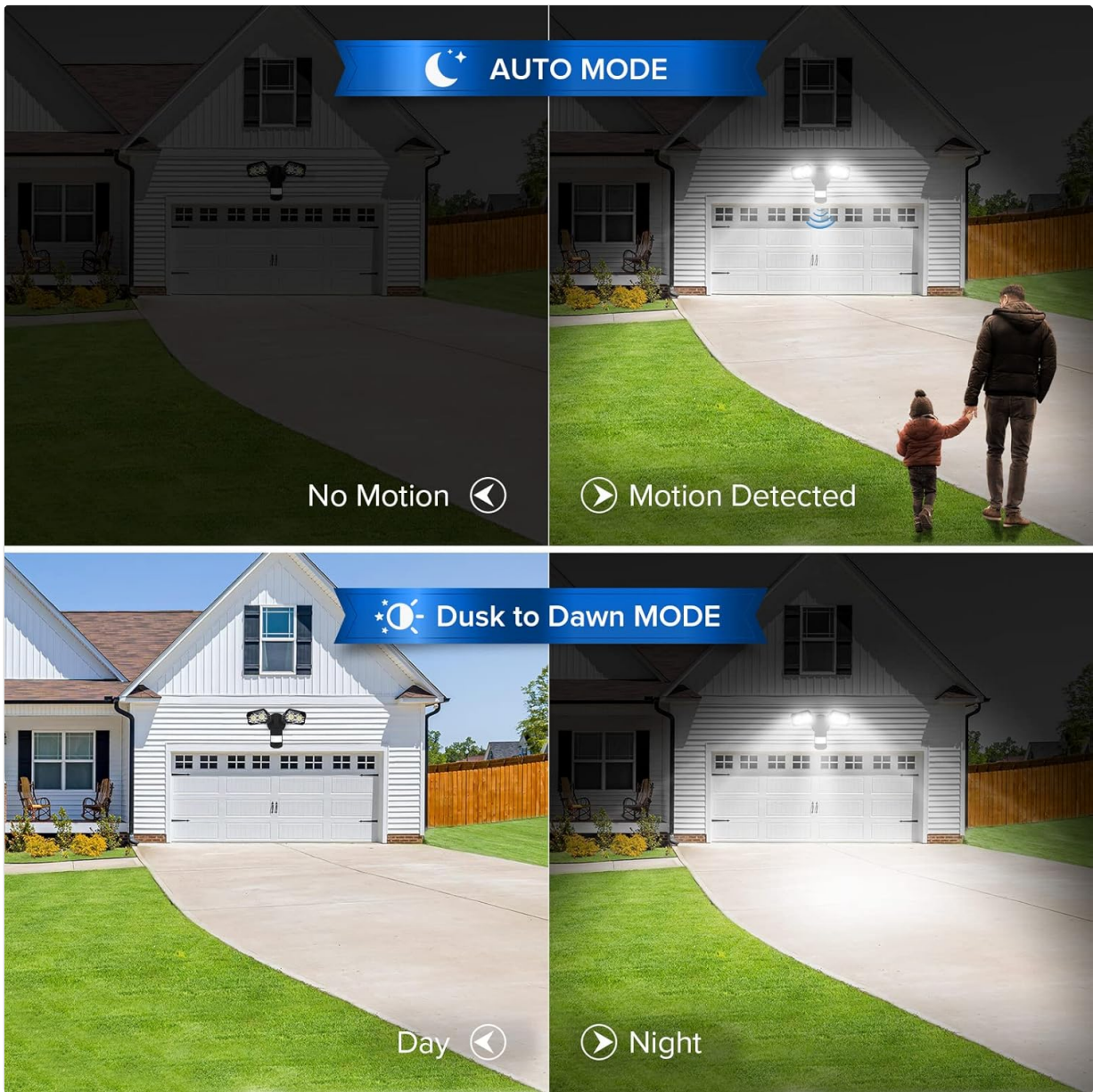


Image: The light fixture being attached to the mounting plate, showing the final assembly step before power-up.

5. Choose the Working Mode:

Once installed, select your desired operating mode using the switch on the motion sensor unit. Refer to the "Operating Modes" section for details.



Image: Close-up of the motion sensor unit with labels for "Auto", "On Time", and "D2D" modes, and adjustable dials for Lux, Time, and Range.

OPERATING MODES

The SANSE Eco Series light offers multiple operating modes for flexible use:

- **AUTO (Motion Sensor Mode):**

In this mode, the light will automatically turn on when motion is detected within its range (up to 72 FT) and angle (120°). The light will stay on for a set duration (adjustable from 1 to 10 minutes) after motion ceases. This mode is ideal for security and energy saving.



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Eco Level



Heat Dissipation Level



320° Light angle



Max Detection Range 72 FT



4 Application Modes



Eco Level



Heat Dissipation Level



180° Light angle



Max Detection Range 65 FT



3 Application Modes



Image: Depiction of the light operating in Auto Mode, showing it off when no motion is detected and on when motion is detected.

- **Dusk to Dawn Mode (D2D):**

The light will automatically turn on at dusk and turn off at dawn, providing continuous illumination throughout the night. This mode is suitable for general area lighting.



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Eco Level



Heat Dissipation Level



320° Light angle



Max Detection Range 72 FT



4 Application Modes



Eco Level



Heat Dissipation Level



180° Light angle



Max Detection Range 65 FT



3 Application Modes



Image: Depiction of the light operating in Dusk to Dawn Mode, showing it off during the day and on during the night.

- **On-Time Mode:**

This mode allows manual control of the light, keeping it continuously on via a wall switch, similar to a standard light fixture.

- **Test Mode:**

For testing purposes, the light will turn on for only 5 seconds during daytime or night once it detects motion. This helps in adjusting the sensor's position and sensitivity.

Adjustable Settings: The motion sensor unit features adjustable dials for LUX (light sensitivity), TIME (duration the light stays on), and RANGE (motion detection distance). Adjust these according to your specific needs.



Image: The SANSI Eco Series 18W LED Motion Sensor Outdoor Light installed on a building, illuminating a driveway, demonstrating its effective coverage.

MAINTENANCE

The SANSI Eco Series LED Motion Sensor Outdoor Light requires minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Cleaning:** Periodically clean the light fixture and motion sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or sensor.
- **Inspection:** Regularly inspect the wiring and mounting for any signs of wear, damage, or loosening. Address any issues promptly.
- **LEDs:** The LED lights are designed for a long lifespan and are not user-replaceable. Do not attempt to open the sealed light heads.

Note: The IP65 waterproof rating ensures protection against dust and water jets, but the fixture should not be submerged in water.

TROUBLESHOOTING

If you encounter issues with your SANSI Eco Series light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	<ul style="list-style-type: none">◦ No power to the fixture.◦ Incorrect wiring.◦ Sensor settings (LUX) are too low for current ambient light.◦ Motion sensor obstructed or faulty.	<ul style="list-style-type: none">◦ Check circuit breaker and wall switch.◦ Verify wiring connections according to installation guide.◦ Adjust LUX setting to a higher sensitivity.◦ Clear any obstructions from the sensor. Test in "Test Mode".
Light stays on continuously.	<ul style="list-style-type: none">◦ Light is in "On-Time" or "Dusk to Dawn" mode.◦ Constant motion detected within sensor range.◦ Sensor faulty.	<ul style="list-style-type: none">◦ Switch to "AUTO" mode if motion sensing is desired.◦ Adjust sensor range or reposition the fixture to avoid constant triggers.◦ Contact customer support if sensor is suspected to be faulty.
Light turns on and off frequently.	<ul style="list-style-type: none">◦ Interference from moving objects (trees, traffic).◦ Sensor sensitivity (LUX) too high.	<ul style="list-style-type: none">◦ Adjust sensor angle or reduce range.◦ Lower the LUX setting.
Motion detection range is poor.	<ul style="list-style-type: none">◦ Sensor angle or range setting is too low.◦ Obstructions in the detection path.◦ Temperature differences affecting sensor performance.	<ul style="list-style-type: none">◦ Increase RANGE setting and adjust sensor angle.◦ Clear obstructions.◦ Ensure sensor is not directly exposed to heat sources or extreme cold.

If the problem persists after trying these solutions, please contact SANSI customer support.

SPECIFICATIONS

Brand	SANSI
Model Name	C2440-GW
Wattage	18 Watts
Brightness	1800 Lumens
Color Temperature	5000K (Daylight White)

Voltage	120 Volts
Motion Sensor Detection Range	Up to 72 FT
Motion Sensor Detection Angle	120°
Lifespan	50,000+ Hours
Water Resistance Level	IP65 Waterproof
Material	Ceramic, Plastic (PC)
Dimensions	13.7"L x 21.1"W x 29.2"H
Installation Type	Flush Mount
Certifications	ETL Listed

WARRANTY AND SUPPORT

SANSI provides a **5-year warranty** for the Eco Series 18W LED Motion Sensor Outdoor Light. This warranty covers defects in materials and workmanship under normal use.

Additionally, SANSI offers an unconditional **30-day refund or replacement** policy from the date of purchase.

For technical assistance, warranty claims, or any other inquiries, please contact SANSI customer service. A professional customer service team is available to provide 24/7 online help.

You can reach our team via Amazon Message or visit the official SANSI website for contact information.

Your satisfaction is 100% guaranteed.