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Defiant 4331030331

Defiant 110 Degree Motion Light Instruction Manual

Brand: Defiant

Model: 4331030331

1. Product Overview

The Defiant 110 Degree Motion Light is a hardwired outdoor floodlight designed to provide security and illumination. It features a 110-degree motion detection range and is suitable for wall-mount installation. This unit is built with weather-resistant metal housing for long service life.

Key features include:

- Swivel heads for directional lighting.
- Two-level brightness settings for energy efficiency.
- Bulb-saver feature to extend bulb life up to four times.
- Selectable light timer with options for test, one minute, five minutes, or 20 minutes.
- Dusk-to-dawn feature to deactivate the unit during daylight hours.
- Light shields for bulb protection.



Image 1: Front view of the Defiant 110 Degree Motion Light, showing the two adjustable light heads and the motion sensor unit below the central mounting plate.

2. Safety Information

Please read and understand all instructions before beginning installation. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause injury or property damage.

- **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.
- Ensure the fixture is properly grounded.
- Do not exceed the maximum wattage specified for the bulbs (two 120-watt PAR 38 bulbs).
- Operating temperature range: -25°C (-13°F) to +50°C (+120°F).
- Do not look directly into the light source when illuminated.

3. Installation Guide

3.1 Tools and Materials Required (Not Included)

- Screwdriver
- Wire strippers
- Electrical tape
- Two 120-watt PAR 38 incandescent or select dimmable LED outdoor-rated bulbs.

3.2 Wall-Mount Installation Steps

1. **Turn off Power:** Before starting, ensure the power to the installation area is turned off at the circuit breaker or fuse box.

2. **Prepare Wiring:** If replacing an existing fixture, carefully disconnect and remove it. Strip approximately 3/4 inch of insulation from the ends of the house supply wires.
3. **Mounting:** Secure the mounting bracket to the wall or junction box using appropriate screws. Ensure the bracket is firmly attached.
4. **Wire Connections:** Connect the fixture wires to the house supply wires using wire nuts. Connect the black (hot) wire from the fixture to the black (hot) wire from the supply. Connect the white (neutral) wire from the fixture to the white (neutral) wire from the supply. Connect the green or bare copper (ground) wire from the fixture to the ground wire from the supply. Ensure all connections are secure.
5. **Secure Fixture:** Carefully tuck the wires into the junction box and attach the fixture to the mounting bracket.
6. **Install Bulbs:** Screw in two 120-watt PAR 38 bulbs (not included) into the light sockets.
7. **Adjust Sensor:** *Important:* Ensure the motion sensor is installed correctly to prevent water collection. The sensor should be oriented so that water drains away from it, typically with the sensor lens facing downwards or slightly angled. Incorrect orientation can lead to sensor failure.
8. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.

4. Operating Instructions

4.1 Adjusting Light Heads

The light heads are designed to swivel, allowing you to direct the light to your desired area. Gently loosen the adjustment knobs on the side of each light head, position the head, and then tighten the knobs to secure it.

4.2 Setting the Light Timer

The motion light features a selectable light timer. Locate the timer dial or switch on the unit. You can choose from the following settings:

- **Test:** For initial setup and testing the motion detection range.
- **One Minute:** Light stays on for approximately one minute after motion is detected.
- **Five Minutes:** Light stays on for approximately five minutes after motion is detected.
- **20 Minutes:** Light stays on for approximately 20 minutes after motion is detected.

4.3 Dusk-to-Dawn Feature

The integrated dusk-to-dawn sensor automatically deactivates the motion detection and lighting during daylight hours, conserving energy. The unit will only activate when it detects motion in low-light conditions.

4.4 Brightness Levels

The light offers two brightness levels for energy-efficient use. Refer to the specific controls on your unit for adjusting this setting, typically a switch or dial.

4.5 Bulb-Saver Feature

This feature is designed to extend the life of your bulbs up to four times by managing power delivery. No user action is typically required for this feature to function.

5. Maintenance

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents.

Ensure power is off before cleaning.

- **Bulb Replacement:** When replacing bulbs, ensure the power is off. Allow bulbs to cool before handling. Use only PAR 38 incandescent or compatible dimmable LED outdoor-rated bulbs, up to 120 watts each.
- **Light Shields:** The light shields are designed to protect the bulbs. Ensure they are properly seated after bulb replacement.
- **Sensor Inspection:** Regularly inspect the motion sensor for any debris or water accumulation, especially if the unit is exposed to harsh weather. Ensure the sensor is clean and clear for optimal performance.

6. Troubleshooting

Problem	Possible Cause	Solution
Light does not turn on.	No power; faulty bulb; dusk-to-dawn sensor active (daylight).	Check circuit breaker/fuse. Replace bulbs. Wait for darkness or cover sensor to test.
Motion sensor not detecting.	Sensor obstructed; incorrect sensitivity setting; sensor failure due to water ingress.	Clear obstructions. Adjust sensitivity. Ensure sensor is installed correctly to prevent water accumulation. If sensor has failed, replacement may be necessary.
Lights are difficult to adjust.	Adjustment knobs too tight; mechanism stiff.	Loosen adjustment knobs slightly. Apply gentle, even pressure when positioning. Do not force.
Light stays on continuously.	Continuous motion detected; timer setting too long; faulty sensor.	Check for constant motion in detection zone. Adjust timer setting. If problem persists, sensor may need service.

7. Specifications

Attribute	Detail
Brand	Defiant
Model Number	4331030331
ASIN	B00L1W1O3S
UPC	016963541559
Color	Black
Style	Modern
Light Fixture Form	Floodlight
Indoor/Outdoor Usage	Outdoor
Power Source	Corded Electric
Control Method	Remote (Note: Product description mentions selectable timer, not necessarily a physical remote control)
Light Source Type	LED (Compatible with PAR38 incandescent and select dimmable LED)

Attribute	Detail
Shade Material	Metal
Number of Light Sources	2 (for bulbs)
Voltage	110 Volts
Wattage	120 watts (per bulb, max)
Mounting Type	Wall Mount
Item Weight	1.95 pounds
Package Dimensions	7.8 x 7.3 x 5.8 inches
Operating Temperature Range	-25°C (-13°F) to +50°C (+120°F)

8. Warranty and Support

For specific warranty information, please refer to the documentation included with your product at the time of purchase or visit the official Defiant website. For technical support or assistance with your Defiant 110 Degree Motion Light, please contact Defiant customer service.

Note: Product specifications and features are subject to change without notice. Always refer to the latest information provided by the manufacturer.

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