

703499

# 180 Degree Motion Security Light User Manual

*Model: 703499*

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your 180 Degree Motion Security Light. Designed to enhance the safety and security of your home, this light features advanced motion detection and adjustable settings for optimal performance. Please read this manual thoroughly before installation and use to ensure proper function and safety.

## SAFETY INFORMATION

### **WARNING:**

- Always turn off power at the circuit breaker before installing or servicing the fixture.
- Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- Do not connect to a dimmer switch.
- Ensure all connections are secure and properly insulated.
- This product is designed for outdoor use.
- Use only PAR38 bulbs as specified (not included).

## PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 180 Degree Motion Security Light fixture
- Mounting Hardware (screws, wire nuts, mounting plate)
- Instruction Manual (this document)



Image: The 180 Degree Motion Security Light, showing its two adjustable lamp heads and the integrated motion sensor.

This image illustrates the complete fixture as it appears out of the box.

## SPECIFICATIONS

| Feature                | Detail   |
|------------------------|--|
| Brand                  | Generic  |
| Model Number           | 703499   |
| Manufacturer           | Defiant  |
| Color                  | White  |
| Material               | Metal  |
| Product Dimensions     | 16"L x 14"W x 12.5"H                                   |
| Item Weight            | 2 pounds   |
| Indoor/Outdoor Usage   | Outdoor  |
| Power Source           | Corded Electric  |
| Installation Type      | Surface Mount  |
| Control Method         | Touch (via settings)                                   |
| Light Source Type      | Requires 2 x PAR38 bulbs (not included)                |
| Wattage                | Up to 2 x 120-Watt (240W total)                        |
| Voltage                | 120 Volts (AC)   |
| Motion Sensor Range    | 180 degrees, 70 Ft                                     |
| Motion Timer           | Test, 1, 5, 20 minutes                                 |
| Special Features       | DualBrite 2-Level Lighting, Photocell, Manual Override |
| Water Resistance Level | Water Resistant  |

## SETUP AND INSTALLATION

This security light can be mounted on a wall or eave. Follow these steps carefully:

**1. Prepare for Installation:**

- Turn off power at the circuit breaker for the location where the light will be installed.
- Ensure the mounting surface is stable and can support the fixture's weight.

**2. Attach Mounting Plate:**

- Secure the mounting plate to the electrical junction box using the provided screws. Ensure the plate is level.

**3. Wire Connections:**

- Connect the house supply wires to the fixture wires using the provided wire nuts:
  - Black (Hot) to Black (Fixture)
  - White (Neutral) to White (Fixture)
  - Green or Bare Copper (Ground) to Green (Fixture)
- Carefully tuck all wires into the junction box.

#### 4. Mount the Fixture:

- Align the fixture with the mounting plate and secure it with the center screw or screws provided.
- Ensure the fixture is flush against the mounting surface to prevent water entry.

#### 5. Install Bulbs:

- Screw in two 120-Watt PAR38 bulbs (not included) into the lamp holders. Do not overtighten.

#### 6. Adjust Lamp Heads and Sensor:

- Adjust the lamp heads to direct light to the desired areas.
- Adjust the motion sensor to cover the desired detection zone (up to 180 degrees and 70 feet).

#### 7. Restore Power:

- Turn power back on at the circuit breaker.

## OPERATING INSTRUCTIONS

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Your security light features several adjustable settings for customized operation:

### Motion Sensor Settings:

- **TIME Adjustment:** This knob controls how long the light stays on after motion is detected. Options include:
  - **TEST:** For initial setup and aiming. Light stays on for a few seconds.
  - **1 MIN:** Light stays on for approximately 1 minute.
  - **5 MIN:** Light stays on for approximately 5 minutes.
  - **20 MIN:** Light stays on for approximately 20 minutes.
- **SENSITIVITY Adjustment:** (If applicable, typically a separate knob or combined with TIME) Adjusts the range and sensitivity of the motion sensor. Turn clockwise for higher sensitivity/longer range, counter-clockwise for lower sensitivity/shorter range.
- **PHOTOCELL (DUSK-TO-DAWN) Sensor:** The integrated photocell ensures the light only operates at night, optimizing energy usage. The motion sensor will not trigger the light during daylight hours.

### DualBrite 2-Level Lighting:

This feature allows the light to provide accent lighting at a lower level when no motion is present, and then switch to full brightness when motion is detected. This provides both aesthetic appeal and security.

- The accent lighting level and duration may be adjustable via specific controls on the fixture (refer to the specific model's detailed instructions if available on the unit itself).

### Manual Override Option:

The light can be manually turned on to stay on continuously for a selected period, bypassing the motion

sensor. To activate manual override:

1. Quickly flip the wall switch OFF and then ON within 2 seconds.
2. The light will turn on and stay on continuously.
3. To return to motion sensor mode, quickly flip the wall switch OFF and then ON again. The light will flash once to indicate it's back in motion sensor mode.

## 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:** Always turn off power at the circuit breaker before replacing bulbs. Allow bulbs to cool before handling. Use only 120-Watt PAR38 bulbs.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose wiring, or wear. Address any issues promptly.
- **Light Shields:** The light shields provide bulb protection. Ensure they are clean and unobstructed.

## TROUBLESHOOTING

| Problem                                | Possible Cause   | Solution  |
|--|--|---|
| Light does not turn on at night.       | <ul style="list-style-type: none"><li>◦ Power is off at the breaker.</li><li>◦ Bulbs are loose or burned out.</li><li>◦ Photocell is detecting too much ambient light.</li><li>◦ Wiring error.</li></ul> | <ul style="list-style-type: none"><li>◦ Check circuit breaker.</li><li>◦ Tighten or replace bulbs.</li><li>◦ Relocate fixture or shield photocell from direct light.</li><li>◦ Verify wiring connections.</li></ul> |
| Light stays on continuously.           | <ul style="list-style-type: none"><li>◦ Manual override is active.</li><li>◦ Constant motion in detection zone.</li><li>◦ Sensor is faulty.</li></ul>  | <ul style="list-style-type: none"><li>◦ Toggle wall switch OFF/ON to reset.</li><li>◦ Adjust sensor angle or sensitivity.</li><li>◦ Contact customer support.</li></ul>   |
| Light turns on during the day.         | <ul style="list-style-type: none"><li>◦ Photocell is obstructed or faulty.</li></ul>   | <ul style="list-style-type: none"><li>◦ Clear any obstructions from the photocell.</li><li>◦ Contact customer support if issue persists.</li></ul>  |
| Motion sensor range is too short/long. | <ul style="list-style-type: none"><li>◦ Sensitivity setting is incorrect.</li><li>◦ Obstructions in detection path.</li></ul>  | <ul style="list-style-type: none"><li>◦ Adjust the SENSITIVITY knob.</li><li>◦ Clear obstructions or reposition fixture.</li></ul>  |

## WARRANTY AND SUPPORT

For technical assistance or warranty inquiries, please contact the manufacturer or retailer where the product was purchased. Keep your proof of purchase for warranty claims.

This product is designed for reliable performance. Should you encounter any issues not covered in this manual, please refer to the contact information provided with your purchase or visit the manufacturer's official website.

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