

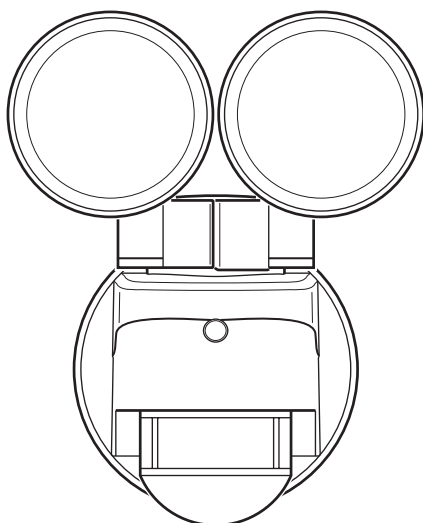
# DEFIANT®

Item #1002366429  
1002366591  
Model #DFI-5852-BK  
DFI-5852-WH

## USE AND CARE GUIDE

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### MOTION SECURITY LIGHT



Questions, problems, missing parts?  
Before returning to the store, call Defiant Customer Service  
8 a.m.-7 p.m., EST, Monday-Friday, 9 a.m. - 6 p.m., EST, Saturday

1-866-308-3976

HOMEDEPOT.COM

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#### THANK YOU

*We appreciate the trust and confidence you have placed in Defiant through the purchase of this motion security light. We strive to continually create quality products designed to enhance your home. Visit us online to see our full line of products available for your home improvement needs. Thank you for choosing Defiant!*

## Table of Contents

Table of Contents .....	2	Tools Required .....	3
Safety Information .....	2	Hardware Included.....	4
Warranty .....	2	Package Contents .....	4
5-Year Limited Warranty .....	2	Installation .....	5
Pre-Installation .....	3	Operation.....	8
Planning Installation .....	3	Care and Cleaning .....	10
Specifications .....	3	Troubleshooting .....	10

## Safety Information

### PRECAUTIONS

- Please read and understand this entire manual before attempting to assemble, install, or operate this light fixture.
- This light fixture requires a 120-Volt AC power source.
- Some codes require installation by a qualified electrician.
- This light fixture must be properly grounded.
- This light fixture should be installed outdoors to a wall or eave.
- The light fixture should be mounted approximately 8 ft. (2.4 m) above the ground. If the light fixture is mounted higher than recommended, aiming the sensor down will reduce the coverage area.



**WARNING:** Turn the power off at the circuit breaker or fuse. Place tape over the circuit breaker switch and verify power is off at the light fixture.



**WARNING:** Risk of fire. Keep the lamp heads at least 2 in. (51 mm) from combustible materials.



**CAUTION:** Burn hazard. Allow the light fixture to cool before touching.

**NOTICE:** Do not connect this light fixture to a dimmer switch or timer.

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- CAN ICES-005 (B)/NMB-005 (B)

## Warranty

### 5-YEAR LIMITED WARRANTY

#### WHAT IS COVERED

This product is guaranteed to be free of factory defective parts and workmanship for a period of 5 years from date of purchase. Purchase receipt is required for all warranty claims.

#### WHAT IS NOT COVERED

This guarantee does not include repair service, adjustment and calibration due to misuse, abuse or negligence, or LEDs. Unauthorized service or modification of the product or of any furnished component will void this warranty in its entirety. This warranty does not include reimbursement for inconvenience, installation, setup time, loss of use, unauthorized service, or return shipping charges. This warranty is not extended to other equipment and components that a customer uses in conjunction with this product.

No service parts available for this product.

Contact the Customer Service Team at 1-866-308-3976 or visit [www.homedepot.com](http://www.homedepot.com).

# Pre-Installation

## PLANNING INSTALLATION

Before installing the light fixture, ensure that all parts are present. Compare parts with the *Hardware Included* and *Package Contents* sections. If any part is missing or damaged, do not attempt to assemble, install, or operate this light fixture.

Estimated installation time: 30 minutes

## SPECIFICATIONS

Range	Up to 40 ft. (12.2 m) (Varies with surrounding temperature)
Sensing angle	Up to 180°
Electrical load - integrated LED	19 Watts
Lumens	1250
Power requirements	120 VAC, 60 Hz
Operating modes	Test, Motion ON, Motion OFF, Manual (night only)
Time delay	Adjustable – 10 seconds to 10 minutes

## TOOLS REQUIRED



Phillips  
screwdriver



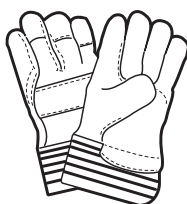
1/8 in. Flathead  
screwdriver



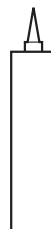
Wire strippers/  
cutters



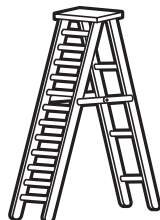
Circuit tester



Work gloves



Silicone  
sealant



Ladder



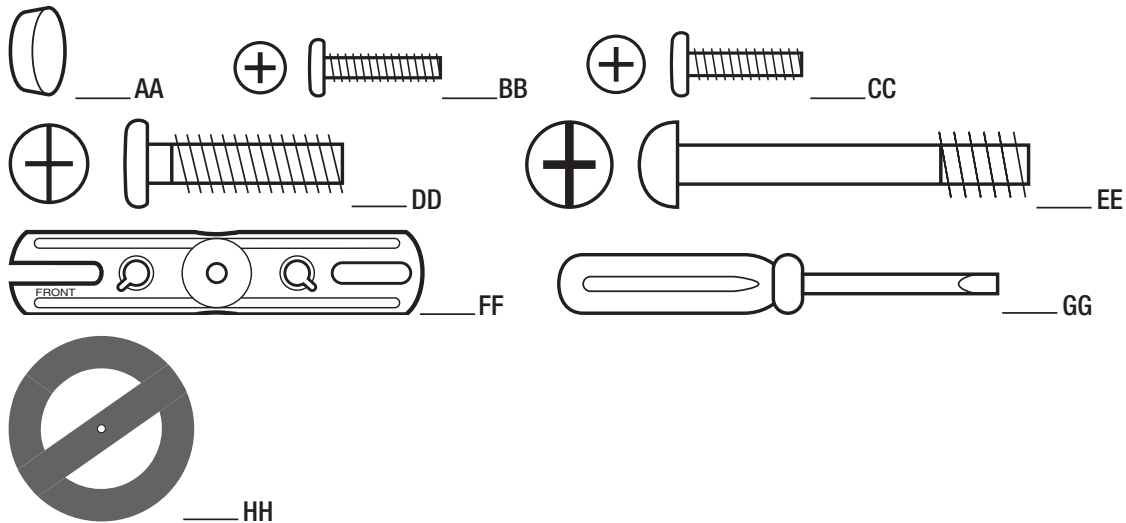
Safety goggles

## Pre-Installation (continued)

### HARDWARE INCLUDED

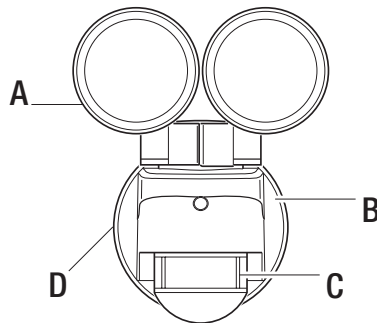


**NOTE:** Hardware shown to actual size.



Part	Description	Quantity
AA	Rubber plug	1
BB	Mounting bracket screw	2
CC	Mounting bracket screw	2
DD	Small mounting bolt	1
EE	Large mounting bolt (pre-installed)	1
FF	Mounting bracket (not to scale)	1
GG	Mini screwdriver	1
HH	Gasket (not to scale)	1

### PACKAGE CONTENTS



Part	Description	Quantity
A	Lamp head	2
B	Light fixture	1
C	Motion sensor	1
D	Mounting plate	1

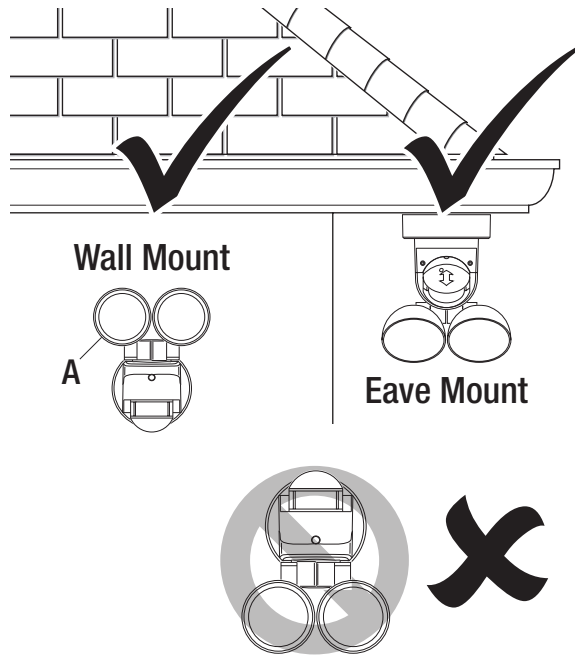
# Installation

## 1 Determining the mounting location



**NOTE:** The light fixture should be mounted approximately 8 ft. (2.4 m) above the ground. If the light fixture is mounted higher than recommended, aiming the sensor down will reduce the coverage area.

- Determine the mounting location – wall or eave mount.
- Position the lamp heads (A) in the general direction of the desired light coverage.



## 2 Removing the mounting plate

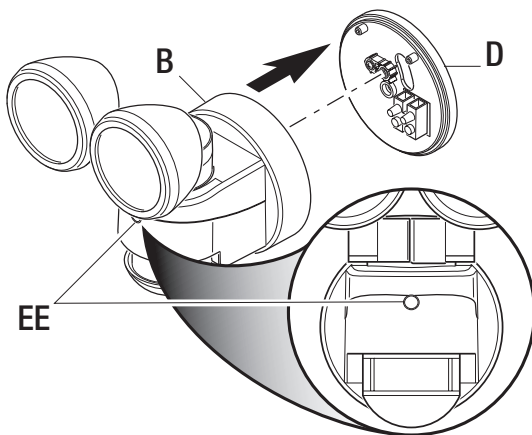


**NOTE:** This fixture comes with a mounting plate (D). It is pre-assembled on the light fixture (B) for shipping.



**NOTE:** The large mounting bolt (EE) is pre-installed in the light fixture (B). Do not attempt to remove the large mounting bolt (EE).

- Unscrew the large mounting bolt (EE) connecting the light fixture (B) to the mounting plate (D) and remove the mounting plate (D).



## 3 Installing the mounting bracket

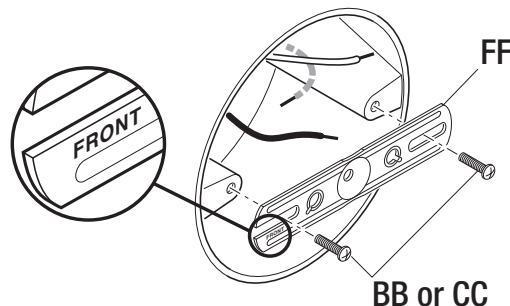


**WARNING:** Turn the power off at the circuit breaker or fuse. Place tape over the circuit breaker switch and verify power is off at the light fixture.



**NOTE:** Four mounting bracket screws of various sizes are included. The installation will only require two. Discard the unused mounting bracket screws after installation.

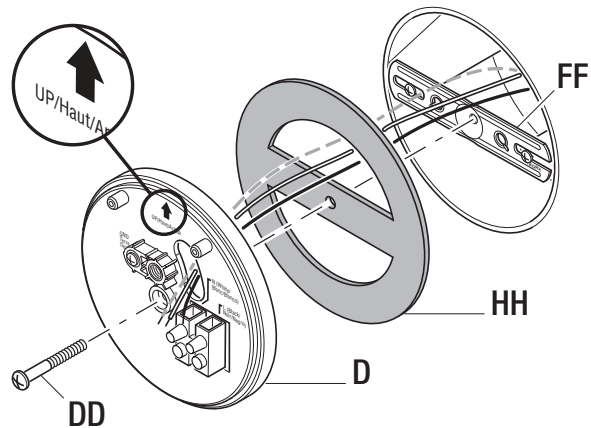
- Remove the existing light fixture.
- Install the mounting bracket (FF) with the stamped word "FRONT" facing away from the junction box. Use the mounting bracket screws (BB or CC) that best fit the junction box. If necessary, use the screws that were removed from the existing light fixture.
- Firmly pull on the mounting bracket (FF) to verify it is securely mounted to the junction box.



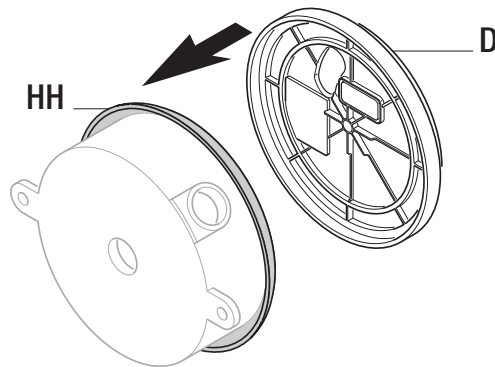
## 4 Installing the mounting plate

- Route the junction box wires through one of the large holes in the gasket (HH).
- Route the junction box wires through the hole in the mounting plate (D).
- Place the gasket (HH) and the mounting plate (D) against the junction box and align the center holes with the hole in the mounting bracket (FF).
  - When mounting to a wall, the “UP” arrow must point upward.
  - When mounting to an eave, the “UP” arrow must point toward the building.
- Insert the small mounting bolt (DD) through the mounting plate (D) hole located below the threaded hole and through the gasket (HH) hole, and thread it into the center hole of the mounting bracket (FF). Tighten the bolt (DD) securely.
- Firmly pull on the mounting plate (D) to verify it is securely attached to the mounting bracket (FF).

**NOTICE:** Ensure the gasket (HH) is wrinkle-free and centered between the mounting plate (D) and the mounting surface.

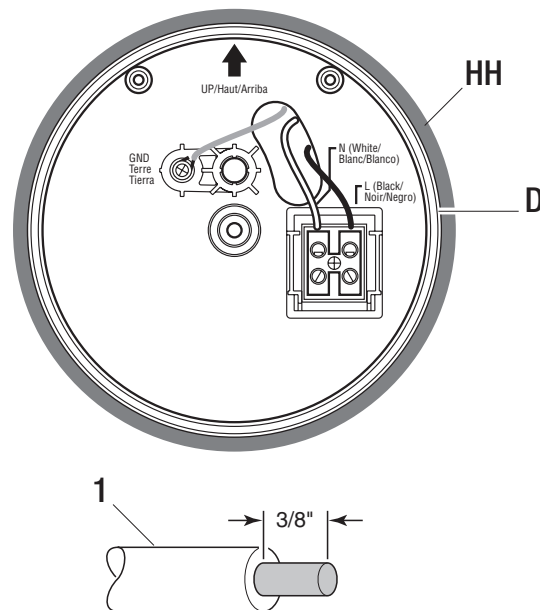


**NOTICE:** When attaching this light to an external, surface mount junction box, ensure the gasket (HH) is centered on the junction box and the mounting plate (D) presses against the gasket (HH) evenly.



## 5 Making the electrical connections

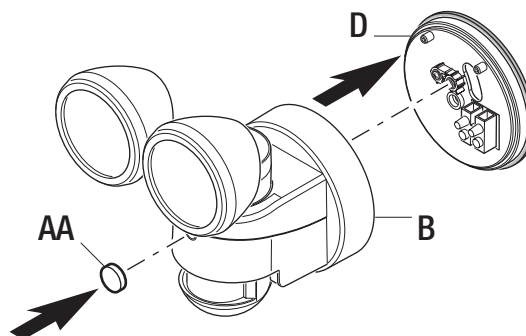
- If necessary, strip 3/8" of insulation from junction box wires (1).
- Insert the junction box wires into the side of the terminal block and around the ground screw. Tighten terminal block screws using the mini-screwdriver (GG) and ground screw to secure the wires.
  - Insert the white wire from the junction box into the terminal marked “N (White)”.
  - Insert the black wire from the junction box into the terminal marked “L (Black)”.
  - Connect the bare or green ground wire from the junction box to the ground screw (marked with “GND”).



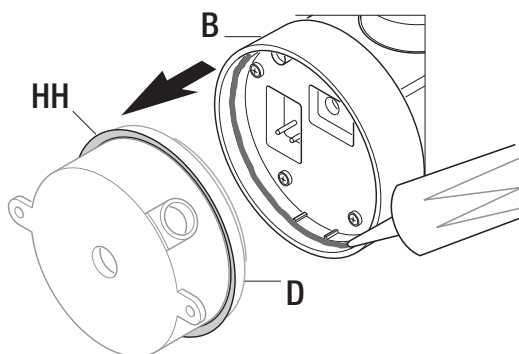
### 6 Mounting the light fixture

**NOTICE:** The two pins on the rear of the light fixture must be inserted into the terminal block for the light to work.

- Align the top edge of the light fixture (B) with the top edge of the mounting plate (D). Tilt the light fixture (B) toward the mounting plate (D), making sure the light fixture (B) is centered on the mounting plate (D).
- Tighten the large mounting bolt (EE) securely through the center of the mounting plate (D). Do not overtighten.
- Push the rubber plug (AA) firmly into the mounting bolt hole on the light fixture (B).



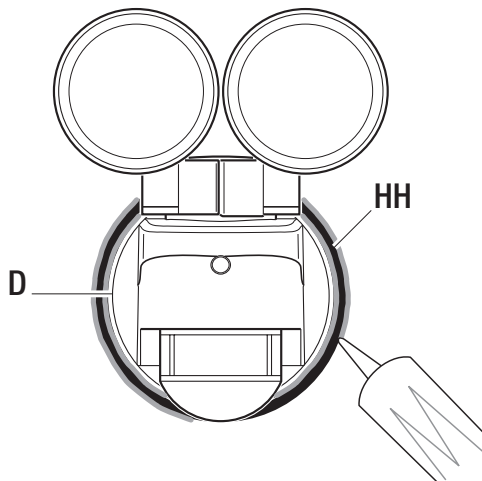
**NOTICE:** When attaching this light to an external, surface mount junction box, caulk around the inside of the light fixture (B) before attaching to the mounting plate (D).



### 7 Caulking around the light fixture

**IMPORTANT:** Failure to completely caulk around the gasket (HH) and the mounting plate (D) could lead to water damage and is not covered under warranty.

- Caulk around the gasket (HH) and mounting surface with silicone sealant (not included).
- Caulk around the mounting plate (D) and gasket (HH) with silicone sealant (not included).



# Operation

## 1 Adjusting the lamp heads

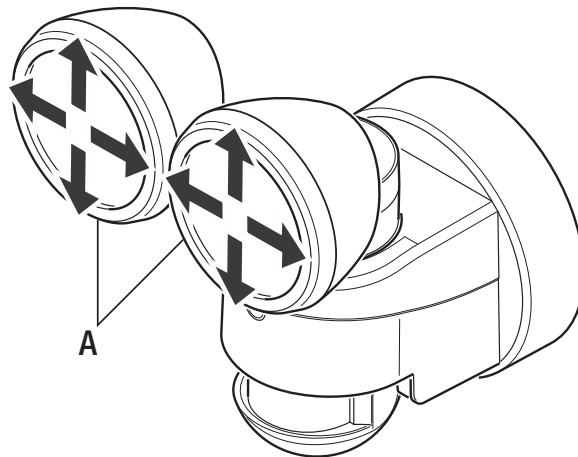


**WARNING:** Risk of fire. Keep the lamp heads at least 2 in. (51 mm) from combustible materials.



**CAUTION:** Keep lamp heads 30° below horizontal to avoid water damage and electrical shock.

- Turn the power on at the circuit breaker or fuse and turn on the wall switch.
- If needed, gently grasp the lamp heads (A) and tilt them up or down or side to side to adjust the light coverage area.



## 2 Setting the sensor for testing

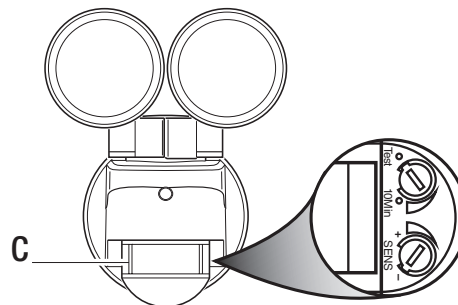


**NOTE:** When the “Test / Timer” control is set to the “Test” position, the light fixture will operate during the day or night. The light will stay on for 8 seconds after all motion is stopped.

- Turn the “Test / Timer” control fully counterclockwise to the “Test” position.
- Turn the “SENS” control fully clockwise to the minimum position.



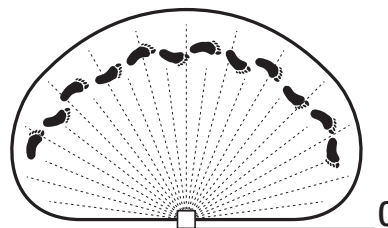
**NOTE:** The motion sensor will need to completely warm up (60 seconds) before beginning the setup process.



## 3 Adjusting the motion sensor detection zone

- Perform a “walk test”: walk in an arc across the front of the motion sensor (C).
- Watch the light. The light will come on and the red LED will flash indicating motion has been detected.
- Stop, wait for the light to turn off, and then begin walking again.
- Continue this process until the detection zone has been established.

- If needed, gently grasp the motion sensor (C) and move it from side to side or up and down to adjust the detection zone.





## Operation (continued)

### 4 Adjusting the SENS control

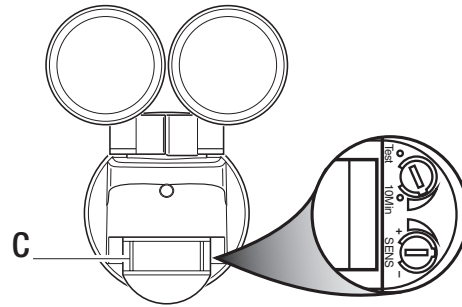
- To increase the sensitivity, turn the “SENS” control counterclockwise.
- To decrease the sensitivity, turn the “SENS” control clockwise.



**NOTE:** The motion sensor (C) is more sensitive to motion moving across the front of the sensor. The motion sensor (C) is less sensitive to motion moving directly toward the front of the sensor.



**NOTE:** The higher the “SENS” setting (sensitivity), the greater the possibility of false triggering. To reduce false triggering, turn the “SENS” control clockwise.



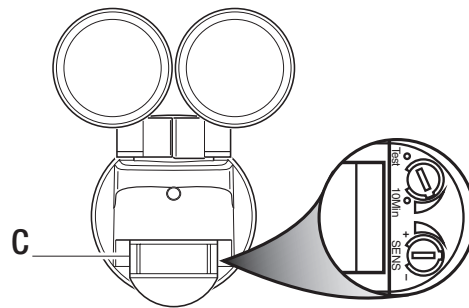
### 5 Adjusting the TEST / TIMER control



**NOTE:** The “Test / Timer” control determines the amount of time the light will stay on full bright after all motion has stopped.

- After all adjustments are complete, turn the “Test / Timer” control clockwise and select a time between 10 seconds (10S) and 10 minutes (10Mins). The light will only work at night after a time has been selected.

- To increase the time, turn the “Test / Timer” control clockwise.
- To decrease the time, turn the “Test / Timer” control counterclockwise.



### 6 Switching motion detection OFF and ON



**NOTE:** This light fixture can operate as a motion detection light (default from the factory) or as a dusk-to-dawn (nighttime) light. The wall switch controlling the light is used to select the desired mode. In either mode, the light will only operate at night.

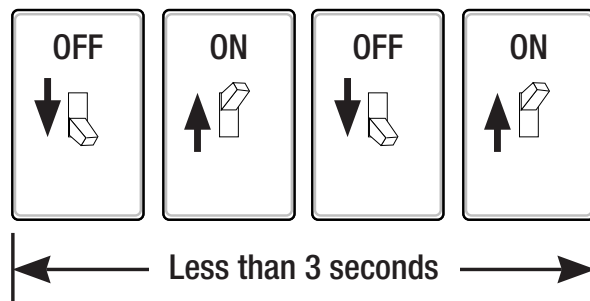
**IMPORTANT:** THIS LIGHT FIXTURE MUST BE WIRED THROUGH A WALL SWITCH IN ORDER TO USE THE MOTION OFF FEATURE. IF THE LIGHT FIXTURE IS WIRED DIRECTLY TO THE HOUSE WIRING WITH NO WALL SWITCH, THEN THE MOTION OFF FEATURE CANNOT BE SET.

To switch between modes:

- Ensure the power to the light is ON and the sensor has warmed up (60 seconds).
- Switch the power OFF–ON–OFF–ON at the wall switch within 3 seconds.

The light will stay in the selected mode until the above steps are performed again.

**IMPORTANT:** IF THERE IS A POWER OUTAGE OR THE WALL SWITCH TO THE LIGHT FIXTURE IS TURNED OFF FOR MORE THAN 5 SECONDS, THE LIGHT WILL DEFAULT TO THE LAST SELECTED MODE SETTING IT WAS SET TO BEFORE THE POWER OUTAGE.



**NOTE:**



- If motion detection mode is set to ON, the red LED behind the motion sensor lens will blink indicating motion has been detected.
- If motion detection mode is set to OFF, the red LED behind the motion sensor lens will not blink.

## Care and Cleaning

- ☐ To prolong the original appearance, clean the light fixture with clear water and a soft, damp cloth only.
- ☐ Do not use paints, solvents, or other chemicals on this light fixture. They could cause a premature deterioration of the finish. This is not a defect in the finish and will not be covered by the warranty.
- ☐ Do not spray the light fixture with a hose or power washer.

## Troubleshooting

Problem	Possible Cause	Solution
The light will not come on.	<ul style="list-style-type: none"> <li><input type="checkbox"/> The light switch is turned off.</li> <li><input type="checkbox"/> The fuse is blown or the circuit breaker is turned off.</li> <li><input type="checkbox"/> The light fixture is not properly attached to the mounting plate, if this is a new installation (the pins are not fully seated in the terminal block).</li> <li><input type="checkbox"/> Daylight turn-off (photocell) is in effect.</li> <li><input type="checkbox"/> The circuit wiring is incorrect (if this is a new installation).</li> <li><input type="checkbox"/> The motion sensor is aimed in the wrong direction.</li> <li><input type="checkbox"/> The outside air temperature is close to the same as a person's body heat.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Turn the light switch on.</li> <li><input type="checkbox"/> Replace the fuse or turn the circuit breaker on.</li> <li><input type="checkbox"/> Re-install the light fixture to the base and ensure the pins are fully seated in the terminal block.</li> <li><input type="checkbox"/> Recheck after dark.</li> <li><input type="checkbox"/> Verify the wiring is correct.</li> <li><input type="checkbox"/> Re-aim the motion sensor to cover the desired area.</li> <li><input type="checkbox"/> Increase the "SENS" setting.</li> </ul>
The light comes on during the day.	<ul style="list-style-type: none"> <li><input type="checkbox"/> The motion sensor may be installed in a relatively dark location.</li> <li><input type="checkbox"/> The "Test / Timer" control is in the "Test" position.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> The light fixture is operating normally under these circumstances.</li> <li><input type="checkbox"/> Set the "Test / Timer" control to a timed setting.</li> </ul>
The light comes on for no apparent reason.	<ul style="list-style-type: none"> <li><input type="checkbox"/> The motion sensor may be sensing small animals, automobile traffic, or other heat sources.</li> <li><input type="checkbox"/> The "SENS" control is set too high.</li> <li><input type="checkbox"/> The outside temperature is much warmer or cooler than a person's body heat (summer or winter).</li> <li><input type="checkbox"/> The light fixture is wired through a dimmer or timer.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Decrease the "SENS" setting or reposition the motion sensor.</li> <li><input type="checkbox"/> Decrease the "SENS" setting.</li> <li><input type="checkbox"/> Decrease the "SENS" setting.</li> <li><input type="checkbox"/> Do not use a dimmer or timer to control the light fixture. Replace the dimmer or timer with a standard on/off wall switch.</li> </ul>

## Troubleshooting (continued)

Problem	Possible Cause	Solution
The lights stay on continuously.	<ul style="list-style-type: none"> <li><input type="checkbox"/> The motion sensor may be picking up a heat source, such as an air vent, dryer vent, or brightly painted, heat-reflective surface.</li> <li><input type="checkbox"/> The motion sensor is in motion off mode (the red LED behind the motion sensor lens is not blinking).</li> <li><input type="checkbox"/> The light fixture is wired through a dimmer or timer.</li> <li><input type="checkbox"/> The light fixture is on the same circuit as a motor, transformer, or fluorescent bulb.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Decrease the “SENS” setting or reposition the motion sensor.</li> <li><input type="checkbox"/> Switch the motion sensor to motion on. See <i>Switching motion detection OFF and ON</i> on page 9.</li> <li><input type="checkbox"/> Do not use a dimmer or timer to control the light fixture. Replace the dimmer or timer with a standard on/off wall switch.</li> <li><input type="checkbox"/> Install the light fixture on a circuit without motors, transformers, or fluorescent bulbs.</li> </ul>
The lights flash on and off.	<ul style="list-style-type: none"> <li><input type="checkbox"/> Heat or light from the bulbs may be turning the motion sensor on and off.</li> <li><input type="checkbox"/> Heat is being reflected from other objects and may be turning the motion sensor on and off.</li> <li><input type="checkbox"/> The motion sensor is in “TEST” mode and warming up.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Reposition the lamp heads away from the motion sensor.</li> <li><input type="checkbox"/> Decrease the “SENS” setting or reposition the motion sensor.</li> <li><input type="checkbox"/> While in “TEST” mode, the light only stays on for 8 seconds. Set the “Test / Timer” control to a timed setting.</li> </ul>

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Retain this manual for future use.