

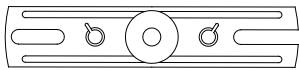
# ASSEMBLY AND INSTALLATION INSTRUCTIONS

T0169 / T0345

**WARNING:** TO AVOID RISK OF ELECTRICAL SHOCK, BE SURE TO SHUT OFF POWER WHILE INSTALLING OR SERVICING THIS FIXTURE.

**NOTES:** 1. Before installing, consult local electrical codes for wiring and grounding requirements.  
2. READ AND SAVE THESE INSTRUCTIONS.

## Hardware Package (included):



Mounting Strap (A)



Mounting Screw (B)



Decorative cover (C)



Wire Connector (D)

## Important to Know:

1. If you are not familiar with state and local electrical codes, it is recommended that you consult with a qualified electrician.
2. This fixture requires a 110~120 VAC, 60 Hz power source.
3. For general safety and to avoid any possible damage to the sensor, be sure the power is switched "off" before adjustment.

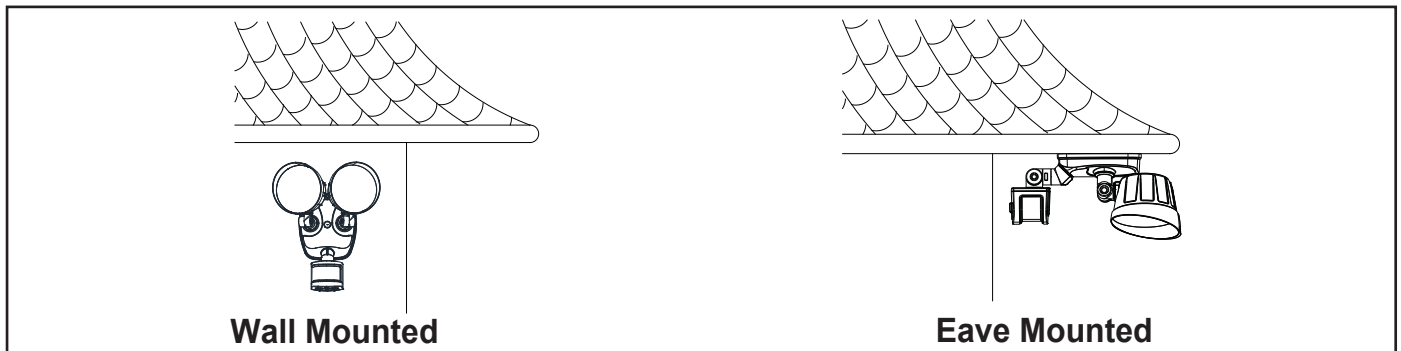
**Maximum Wattage: 34 W**

**Working Temperature Range: -4°F ~ 113°F**

## Features:

1. Energy saving LED fixture.
2. Motion sensor: turns light ON automatically when motion is detected and turns light OFF automatically when motion stops.
3. Photocell keeps the light OFF during daylight hours.
4. When in manual override mode, use wall switch to keep the light ON during the night.

**Note: Fixture can be wall mounted or eave mounted.**



Wall Mounted

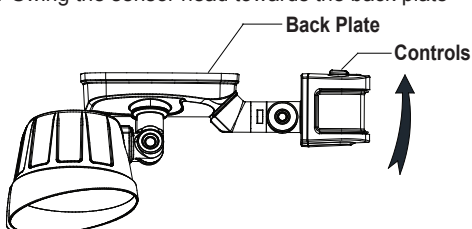
Eave Mounted

Light fixture and sensor should be mounted as shown above when installed (depending upon type of installation)

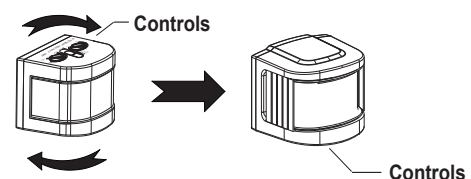
Before installing the light fixture under an eave, the sensor head must be rotated as shown in the next two steps for proper operation and to avoid the risk of electrical shock.

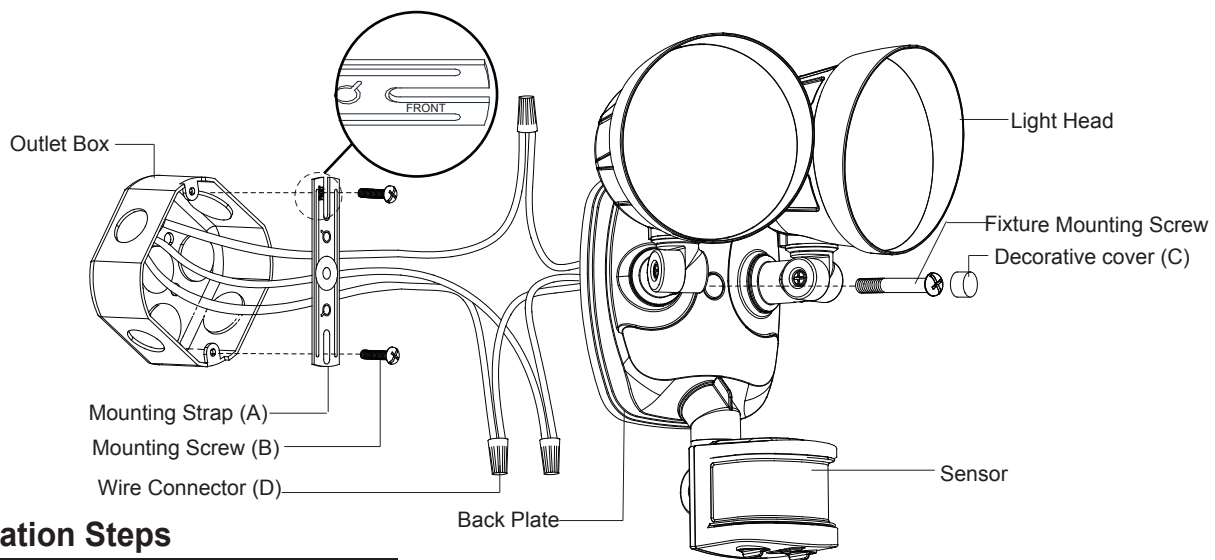
For eave mounted only:

- Swing the sensor head towards the back plate



- Rotate the sensor head clockwise 180° so the controls face down





## Installation Steps

Turn off the power at fuse or circuit box.

1. Install the mounting strap to the outlet box with the stamped word "FRONT" facing away from the outlet box, using two mounting screws that best fit the outlet box.
2. Pull out the source wires from the outlet box. Make wire connections using wire connectors as follows:
  - Connect the black wire from the fixture to the black wire from the power source.
  - Connect the white wire from the fixture to the white wire from the power source.
  - Connect the grounding wire from the fixture to the grounding wire from the power source. (usually green / yellow insulation)
 Carefully tuck the wires back into the outlet box.
3. Attach the back plate of the light fixture to the mounting bracket, secure it with the fixture mounting screw.
4. Push the decorative cover firmly into the fixture mounting screw hole on the light fixture.
5. With silicone caulking compound, caulk completely around where the back plate meets the wall surface.
 

**CAUTION: Be sure to caulk completely where the back plate meets the wall surface to prevent water from seeping into the outlet box.**

Turn on the power at fuse or circuit box.

## Adjusting the Sensor Head:

1. Aim sensor head toward desired detection area, maintaining a 5° - 15° downward angle to allow moisture to drain.
 

Note: Make sure sensor head is positioned with control knob facing towards the ground.
2. You can move the sensor head up and down to change the coverage area. (See Fig. 2) Walk through the detection zone at the farthest distance you wish to detect motion.
 

**Note: Range set too high may increase false triggering.**  
(See Fig. 2 and Fig. 3)

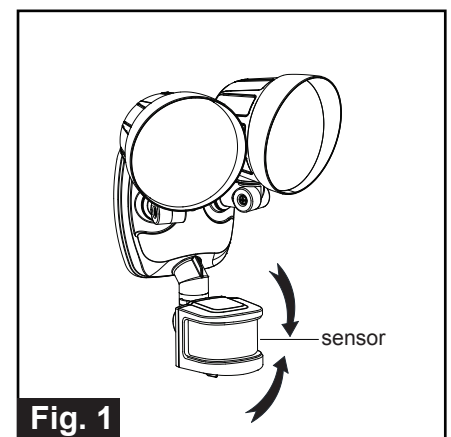
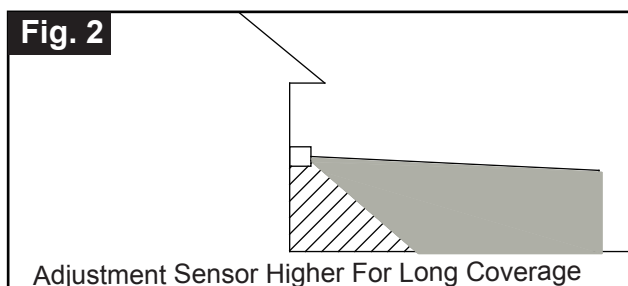
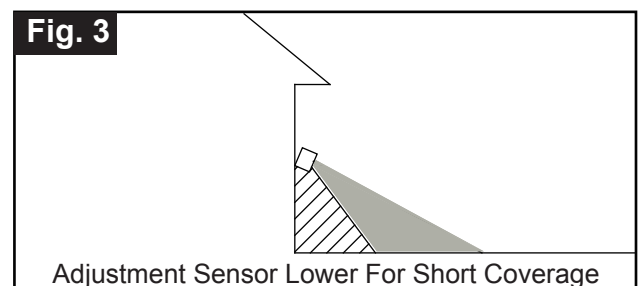


Fig. 1



Adjustment Sensor Higher For Long Coverage



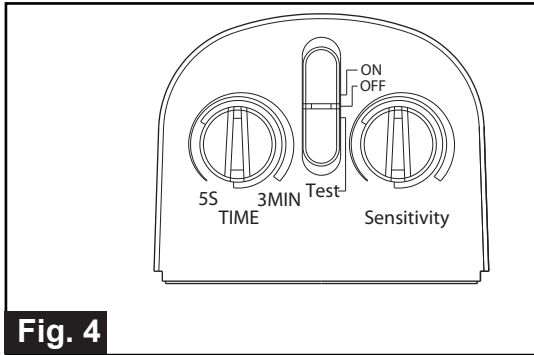
Adjustment Sensor Lower For Short Coverage

### Sensitivity of Motion Sensor

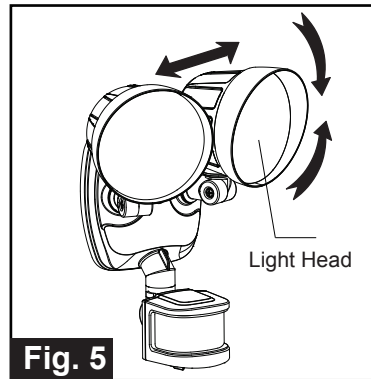
- You can adjust the sensitivity of the motion sensor by using the “SENSITIVITY” selector located on the right side of the bottom surface of the sensor. (See Fig. 4)
- Adjust motion sensor sensitivity to achieve desired performance.
- Approximate range for each setting from 10ft to 75ft.

### **Adjusting the Light Head:**

1. Gently grasp the light heads and move them up or down, left or right to adjust the light coverage area. Keep the light heads at least 1” (25mm) away from the sensor.(See Fig. 5)
2. Keep the light heads 30° below horizontal to avoid water damage and electrical shock.



**Fig. 4**



**Fig. 5**

### **Function and Operation**

**Note: When power is first applied, the light will turn on to 100% brightness. The sensor will take 30+/-10 seconds to warm up.**

#### **1. Test mode**

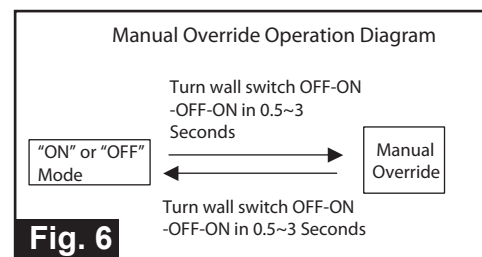
1. Slide the slide switch to the “TEST” position on the bottom of the sensor head.
2. Turn on the circuit breaker and light switch. Allow the fixture to warm up approximately 40 seconds before testing. (Lights may come on during warm-up period.) Then the light will turn to low-level brightness (400 lumen) automatically.
3. The light will turn to high-level brightness when motion is detected, and stays on as long as the motion is continuing. It will then revert to low-level brightness (400 lumen) about 5 seconds after motion is no longer detected.

#### **2. Manual mode(nighttime operation only)**

1. Place the slide switch in the ON position. At dusk, the light will turn to low-level brightness (400 lumen). The light will turn to high-level brightness when motion is detected, and stay on as long as the motion is continuing. When the motion stops, the light will remain on for the predetermined time set (5 ~ 180 seconds), and then revert to low-level brightness.
2. Place the slide switch in the OFF position. At dusk, the light will turn to high-level brightness automatically when motion is detected, and stays on as long as the motion is continuing. When the motion stops, the lights will remain on for the predetermined time set (5 ~ 180 seconds), then the light will turn off automatically.

#### **3. Manual Override mode (nighttime operation only)**

1. To shift to the manual override mode, set the slide switch to “ON” or “OFF” mode. Turn the wall switch “OFF” and turn it “ON” twice within 3 seconds. The light will remain on all night long. To shift back to the “ON” or “OFF” mode, turn the wall switch “OFF”, and turn it “ON” twice within 3 seconds again. (See Fig.6)



**Fig. 6**

2. The light will turn off automatically at dawn.

**Note: To make sure the above functions operate properly, always keep the wall switch in the “ON” position (including the daytime).**

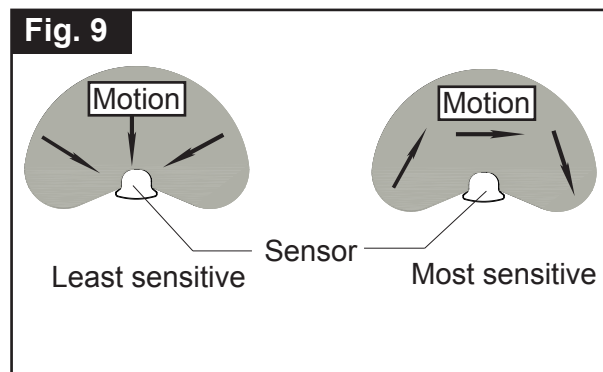
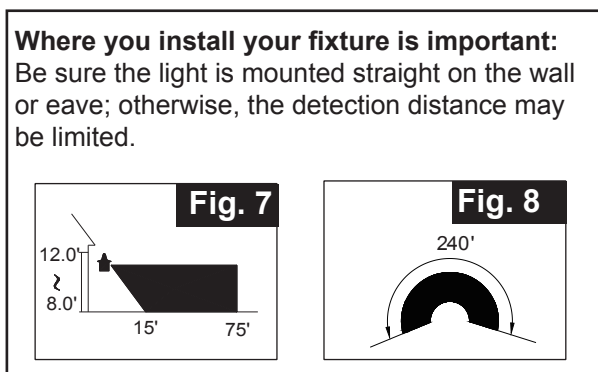
## Customization Options:

### Shut-off Delay

1. The shut-off delay is the length of time the light will stay at brightness after motion has ceased to be detected.
2. You can set the shut-off delay by rotating the delay time knob arrow so it points to the desired time setting within "TIME" range. To increase the shut-off delay, turn the knob clockwise. To decrease the shut-off delay, turn the knob counterclockwise.

### Notes:

1. The sensitivity of the motion sensor will increase as the environmental temperature gets cooler. You may wish to make adjustments when the season changes. For best performance, gently clean the lens with clear water and a soft, damp cloth every 1 or 2 months to assure maximum sensitivity.
2. For best performance, install fixture at least 8 feet above the ground. At such a height, the fixture will provide a detection distance of up to 75 feet at 77 degrees Fahrenheit. (See Fig.7)
3. The sensor detects movement across a detection range of 240 degrees. (See Fig.8)
4. The sensor will be more sensitive to motion across its detection path than motion directly towards it. (See Fig.9)
5. To reduce possible nuisances, do not mount the fixture near a heat source like an air conditioner, vent or furnace exhaust, or in a direction facing any reflecting object or other light source.



## Troubleshooting

---The light will not come on.

1. Turn the light switch on.
2. Replace the fuse or turn the circuit breaker on.
3. Recheck after dark.
4. Verify the wiring is correct.
5. Re-aim the motion sensor to cover the desired area.

---The light comes on during the day.

1. The light fixture is operating normally under these circumstances.
2. Set the "ON/OFF" switch to the ON position.

---The lights flash on and off.

1. Reposition the lamp heads away from the motion sensor.
2. Decrease the sensitivity setting or reposition the motion sensor.

---The lights stay on continuously.

1. Decrease the sensitivity setting or reposition the motion sensor.
2. Do not use a dimmer or timer to control the light fixture.
3. Install the light fixture on a circuit without motors, transformers, or fluorescent bulbs.

---The light comes on for no apparent reason.

1. Reposition the motion sensor.
2. Reduce the sensitivity.
3. Decrease the sensitivity setting.
4. Do not use a dimmer or timer to control the light fixture.

The following parts are available for re-order if damaged or missing.

**Spare Parts List:**

Mounting Strap (A)      Mounting Screw (B)      Decorative cover (C)      Wire Connector (D)

→ Mounting Hardware  
5305MM for T0169  
5743MM for T0345

**5-YEAR LIMITED WARRANTY:**

All products are warranted to be free of defects in material and workmanship for five (5) years from date of purchase. This warranty is limited to the correction of any such defect, or the replacement of any such defective item(s), provided that: (a) we are properly notified and consent to return of the item(s) in question;(b) the item (s) is / are returned with proof of purchase date; and (c) it is found upon inspection by us that the item (s) is / are defective as noted above. This warranty dose not cover labor costs, consequential damages, nor dose it apply to any item(s) that have been improperly installed, overloaded, altered, or otherwise abused by the customer, its agent(s) or emplyee(s). Finishes are specially excluded from the terms of this warranty since they are subject to environmental maintenance deemed beyond our control. Other than the described obligation, we assume no further liability with respect to the sale or use of our products. We make no warranty, express or implied, and disclaim any warranty of merchantability or fitness for a particular purpose.

