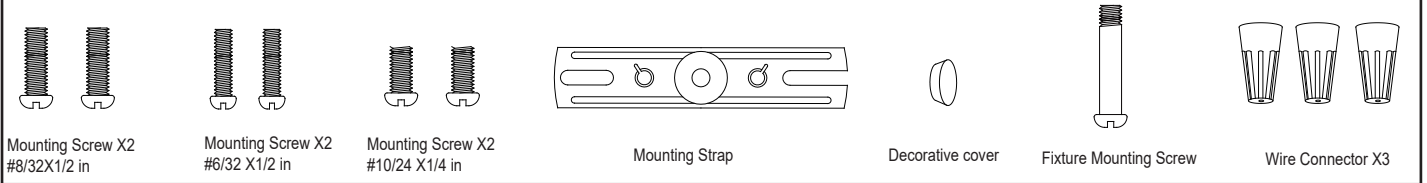# ASSEMBLY AND INSTALLATION INSTRUCTIONS

T0412 / T0413

WARNING: TO AVOID RISK OF ELECTRICAL SHOCK, BE SURE TO SHUT OFF POWER BEFORE 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 Screw X2 #8/32X1/2 in

Mounting Screw X2 #6/32 X1/2 in

Mounting Screw X2 #10/24 X1/4 in

Mounting Strap

Decorative cover

Fixture Mounting Screw

Wire Connector X3

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 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: 42 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 change the function and perform the function conversion.

Note: Fixture can be wall mounted or eave mounted.
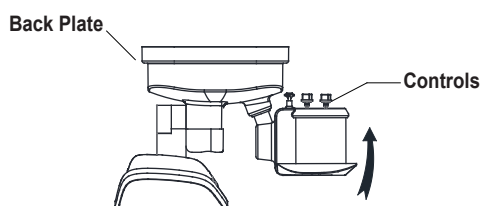
Wall Mounted

Eave Mounted

Read notes section on page.4 for additional information about mounting location of fixture.
Light fixture and sensor should be mounted as shown above when installed (depending upon type of installation)
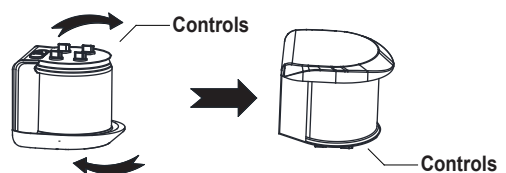
Before installing the light fixture under an eave, the sensor head must be rotated as shown in the next two steps for proper operation and to avoid the risk of electrical shock.
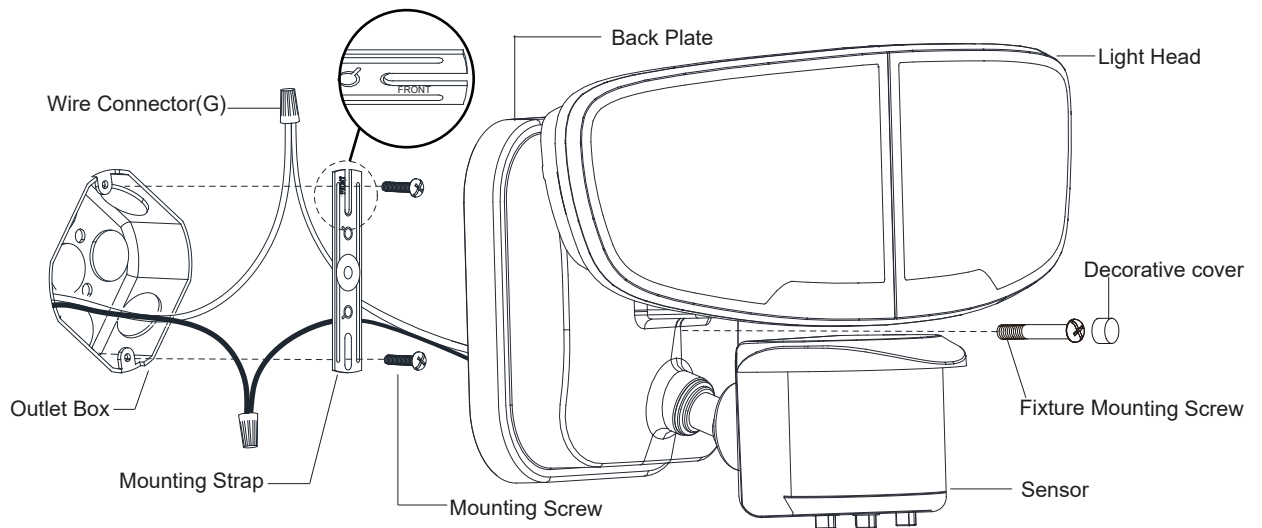
For eave mounted only:

◉ Swing the sensor head towards the mounting bracket.

◉ Rotate the sensor head clockwise 180˚ so the controls face down

Back Plate

Controls

Controls

Controls

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180412

Back Plate

Light Head

Wire Connector(G)

FRONT

Decorative cover

Outlet Box

Fixture Mounting Screw

Mounting Strap

Mounting Screw

Sensor

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. Mounting bracket should sit flush against wall surface when secured. (Choose one matching pair of suitable mounting screws from the 3 pairs provided)

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 "hot" wire from the power source. (usually black)
   ---Connect the white wire from the fixture to the neutral wire from the power source (usually white).
   Carefully tuck the wires back into the outlet box.

3. Attach the back plate of the light to the mounting strap, secure it with the fixture mounting screw.

4. Push the decorative cover firmly into the fixture mounting screw hole on the light.

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.
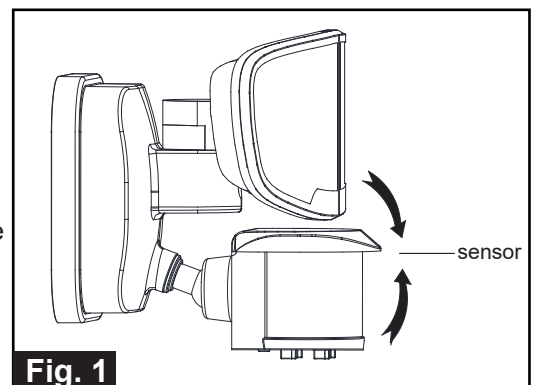
Turn on the power at the main fuse or circuit breaker box.
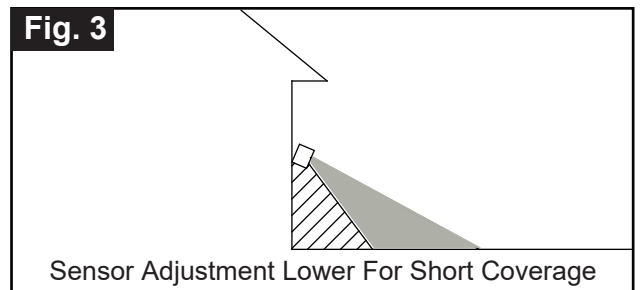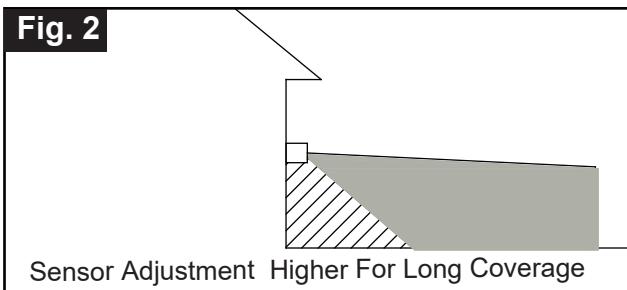
Adjusting the Sensor Head:

1. Aim sensor head toward desired detection area, maintaining a 5° - 40° downward angle to allow moisture to drain.
   Note: Make sure sensor head is positioned with control knob facing towards the ground.

2. You can rotate the sensor head up and down to change the coverage area. (See Fig. 1)
   Note: Range set too high may increase false triggering.
   (See Fig. 2 and Fig. 3 on Page 2)

sensor

Fig. 1

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Sensor Adjustment Higher For Long Coverage

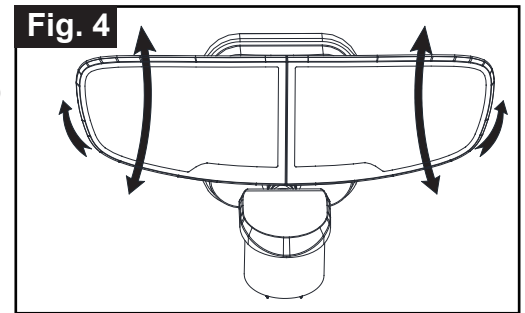Sensor Adjustment Lower For Short Coverage

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 5ft to 70ft.

Adjusting the Light Head:

1. Gently grasp the light heads and tilt 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. 4)

2. Keep the light heads 30° below horizontal to avoid water damage and electrical shock.

Function and Operation

Choose a mode by sliding the switch on the bottom of the sensor. (See Fig.5)
Note: When power is first applied, the light will turn on to 100% brightness. The sensor will take 15 seconds to warm up.

TEST MODE (daytime and nighttime operation):

- To shift to the "TEST" mode, slide switch to "TEST" position.
- The light turns to low-level brightness automatically. It turns to high-level brightness when motion is detected, and stays on as long as the motion continues. Then switches back to low-level brightness about 5 seconds after motion is no longer detected.

Note: You can adjust the low-level (0~50%) and high-level (50~100%) brightness by using the brightness switch on the back plate.
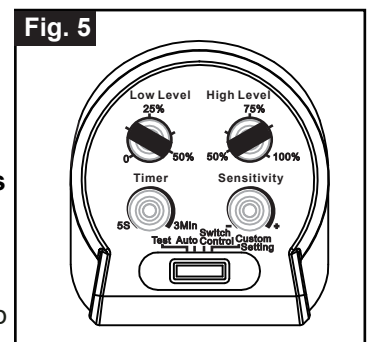

AUTO MODE (nighttime operation only):

- To shift to the "AUTO" mode, slide switch to "AUTO" position, and rotate Time knob arrow to the desired time setting (between 5 seconds and 3 minutes). At dusk, the light turns to low-level brightness automatically, it turns to high-level brightness when motion is detected, and stays on as long as motion continues. When the motion is no longer detected, it remains on for the predetermined shut-off delay time you set (5s ~ 3min), and then turns to low-level brightness.
- The light turns off automatically at dawn.

Note: You can adjust the low-level (0~50%) and high-level (50~100%) brightness by using the brightness switch on the back plate.

SWITCH CONTROL MODE (daytime and nighttime operation):

Set in the Switch control mode, which is directly controlled by the power Switch to control the light or turn off the light, It is decided by high level adjustment, low brightness cannot adjust.

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CUSTOM SETTING MODE (nighttime operation only):
1) Do not use power switch/wall switch (photocell mode), the light to turn on at dusk and off at dawn automatically.
2) ● Set motion-sensor operation to go on at a specified time. Turn the wall switch "OFF", and turn it "ON" twice within 3 seconds. The light will go into motion-sensor operation at the specified time every night. The light turns off automatically at dawn.
   ● For example, a homeowner wants to have the light stay on high-level brightness from dusk to 8pm. At 8pm, the homeowner would like the light to go into motion sensor mode. To achieve this, the homeowner will, at 8pm, turn the wall switch "OFF", and turn it "ON" twich within 3 seconds. This sets the light such that every day, the light will behave the same way.
   ● To revert back to Default, turn the wall switch "OFF" and then turn it "ON" over 5 seconds again.
Note: You can adjust the low-level (0~50%) and high-level (50~100%) brightness by using the brightness switch on the back plate.

Note: To make sure the above functions operate properly, always keep the wall switch in the "ON" position (including the daytime).
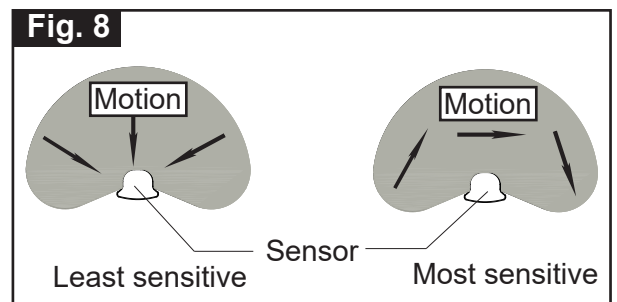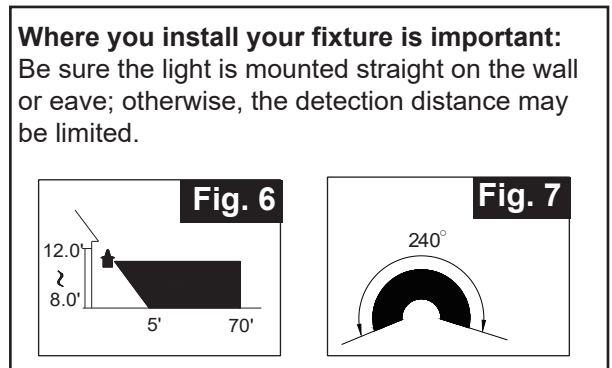
Customization Options:

Shut-off Delay
   ● The shut-off delay is the length of time the light will stay at brightness after motion has ceased to be detected.
   ● 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 a soft 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 70 feet at 77 degrees Fahrenheit. (See Fig.6)

3. The sensor detects movement across a detection range of 240 degrees. (See Fig.7)

4. The sensor will be more sensitive to motion across its detection path than motion directly towards it. (See Fig.8)

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.

Where you install your fixture is important:
Be sure the light is mounted straight on the wall or eave; otherwise, the detection distance may be limited.

Fig. 6
12.0'
8.0'
5'   70'

Fig. 7
240°

Fig. 8
Motion   Motion
Sensor
Least sensitive   Most sensitive

Troubleshooting
---The light does not come on at all:
1. Make sure the wall switch and circuit breaker are on.
2. Make sure the wiring is correct.
3. Cover the sensor with dark color cloth to verify that the ambient light level is not too high.
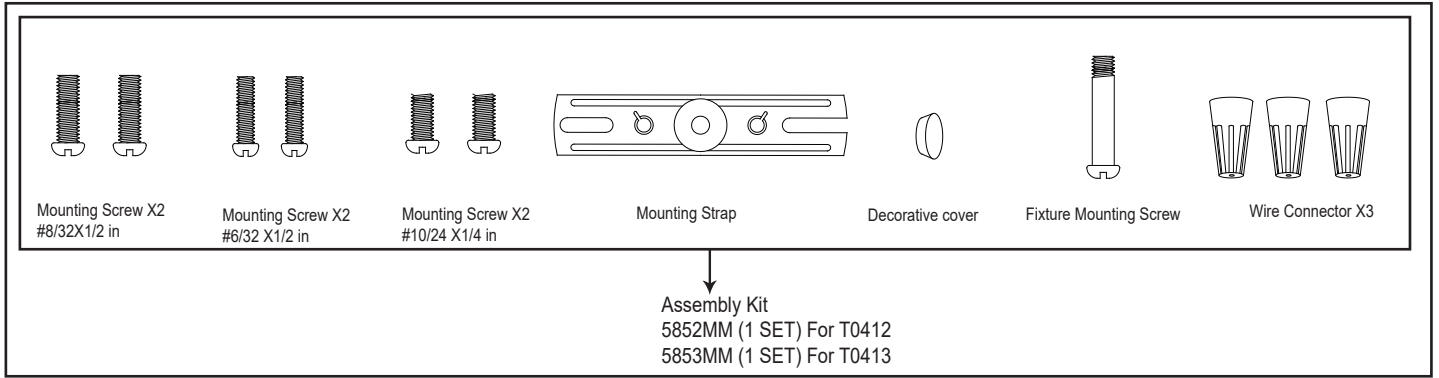
---The light comes on for no apparent reason:
1. Re-aim the motion sensor.
2. Decrease the sensitivity setting.
3. Do not use a dimmer or timer to control the light fixture. Replace the dimmer or timer with a standard on/off wall

---The light flashes on and off:

1. Reposition the bulb away from the motion sensor.
2. Reposition the motion sensor.
3. The motion sensor is in "TEST" mode and warm up.

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The following parts are available for re-order if damaged or missing. Call our toll free at 1-800-887-6326.

Mounting Screw X2 #8/32X1/2 in	Mounting Screw X2 #6/32 X1/2 in	Mounting Screw X2 #10/24 X1/4 in	Mounting Strap	Decorative cover	Fixture Mounting Screw	Wire Connector X3

Assembly Kit
5852MM (1 SET) For T0412
5853MM (1 SET) For T0413

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 does not cover labor costs, consequential damages, nor does it apply to any item(s) that have been improperly installed, overloaded, altered, or otherwise abused by the customer, its agent(s) or employee(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.

A: 13-1/8"

B: 9"

C: 6-3/8"

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180412