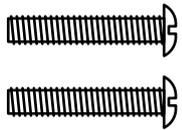# ASSEMBLY AND INSTALLATION INSTRUCTIONS
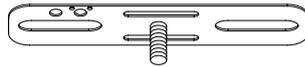
T0674 / T0675

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.**

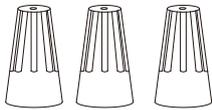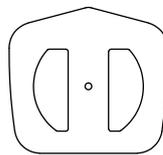## Hardware Package (included):

Mounting Screw (A)

Mounting Strap Unit (B)

Ring and Screw (C)

Wire Connector (D)

Gasket (E)

Decorative Cover (F)

Important to Know:

1. This fixture requires a 120 VAC, 60 Hz power source.
2. For general safety and to avoid any possible damage to the sensor, be sure the power is switched "OFF" before adjustment.
3. Motion sensor: turns light ON automatically when motion is detected and turns light OFF automatically when motion stops.

Rated Wattage: 30 W
**Working Temperature Range: -4ºF~113ºF**

Features:

1. Energy saving LED fixture.
2. Photocell automatically keeps the light OFF during daylight hours and automatically turns the light ON during evening hours.
3. The wall switch that the light is connected to can be used to manually override and change functionality and settings of certain modes

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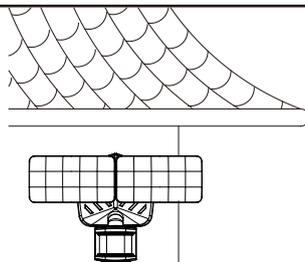
Wall Mounted
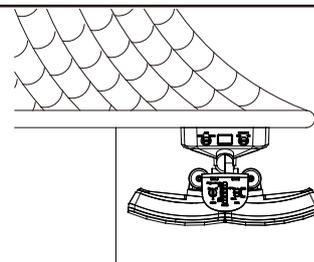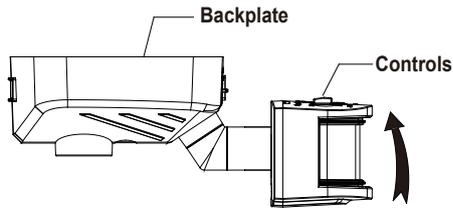
Eave Mounted

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.
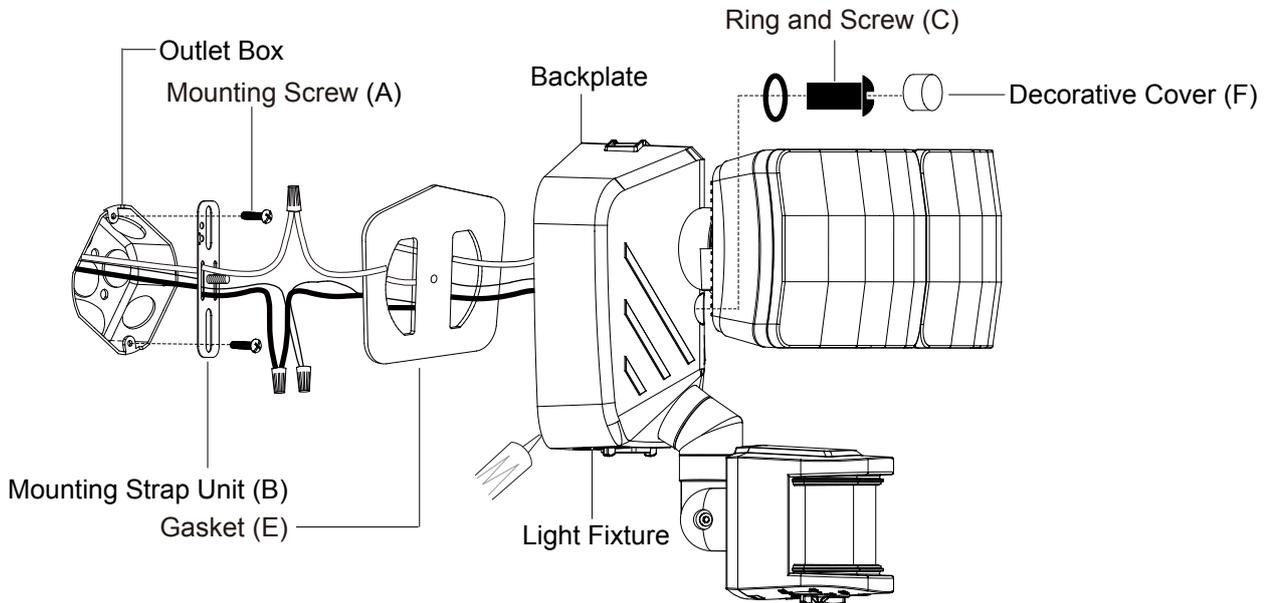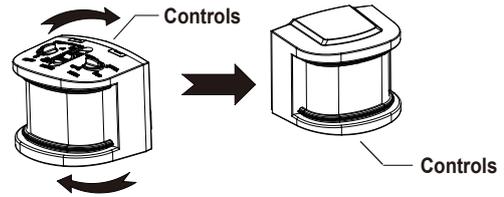
Wall Wash Accent Light, turns on at dusk and turns off at dawn.

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For eave mounted only:

◉ Swing the sensor head towards the mounting bracket.
◉ Rotate the sensor head clockwise 180° so the controls face down.

Backplate

Controls

Controls

Controls

Outlet Box
Mounting Screw (A)

Backplate

Ring and Screw (C)

Decorative Cover (F)

Mounting Strap Unit (B)

Gasket (E)

Light Fixture

Installation Steps

Turn off the power at fuse or circuit box

1. Install the mounting strap unit (B) to the outlet box with the screw bolt toward out, using two mounting screws (A) that best fit the outlet box.

2. Remove the protective paper barrier from the adhesive gasket (E), and thread the fixture wires through gasket (E),then adhere the gasket (E) to mounting strap unit (B) and outer edge of surface outlet box. Ensure that the screw on the mounting strap unit (B) is threading the hole of gasket (E).

3. Connect the house grounding wire and the fixture ground wire (yellow / green) using the wire connector (D). Connect the fixture black wire to the house black wire and the fixture white wire to the house white wire using wire connector (D) provided. Carefully tuck the wires back into the outlet box.

4. Attach the backplate of the light fixture to the mounting strap unit (B), then secure it with the ring and screw (C). Push the decorative cover (F) firmly into the fixture mounting screw hole on the light fixture.

5. With silicone caulking compound (not included), caulk completely around where the backplate of the fixture meets the wall surface.
CAUTION: Be sure to caulk completely where the backplate meets the wall surface to prevent water from seeping into the light fixture and outlet box.

Turn on the power at fuse or circuit box

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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 controls facing
   toward the ground.

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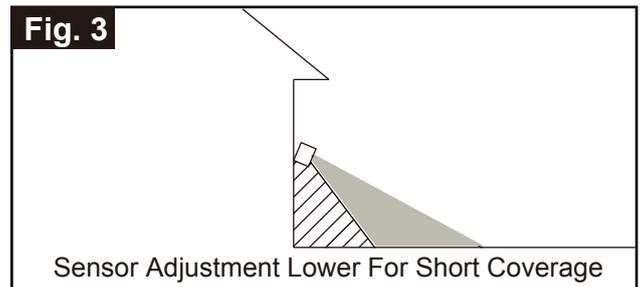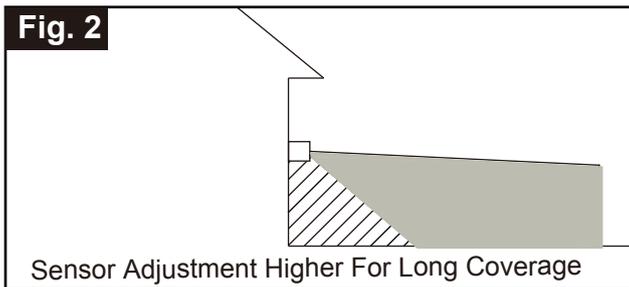   area. (See Fig. 1)
   Note: Range set too high may increase false triggering.
   (See Fig. 2 and Fig. 3)

Wall Wash Light

Sensor Head
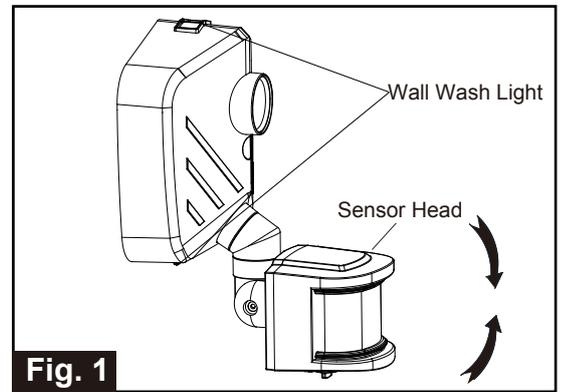
Fig. 1

Wall Wash Light:

At dusk,the wall wash light will be on automactically and turns off automatically at dawn. (See Fig. 1)

Fig. 2

Sensor Adjustment Higher For Long Coverage

Fig. 3

Sensor Adjustment Lower For Short Coverage

Adjusting the Light Head:

1. Adjust the light head up or down, left or right for desired area. Keep the light heads at least 1" (25mm) away from
   the sensor.(See Fig. 4)

2. Keep the light heads face down around 30 degrees angle to avoid water damage and electrical shock.

Fig. 4

Light Head

Light Head

Light Head
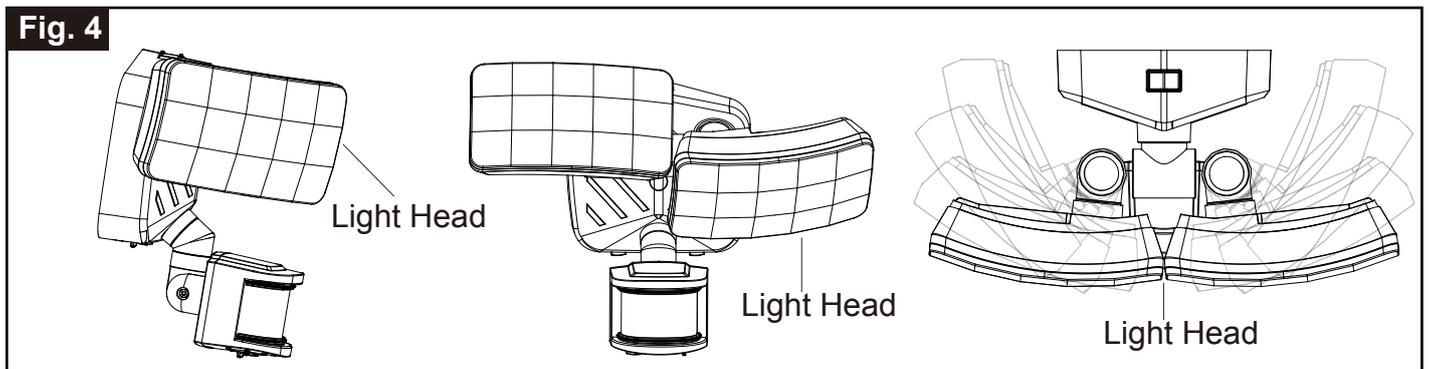
Sensitivity of Motion Sensor

● You can adjust the sensitivity of the motion sensor by using the "SENS" selector located on the right side of the
  sensor head. (See Fig. 5)

● Adjust motion sensor sensitivity to HIGH (H), MEDIUM (M), or LOW (L) to achieve desired performance.

● Approximate range for each setting: 70 ft. (H), 40 ft. (M), 20 ft. (L).

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FUNCTION AND OPERATION

Choose a mode by sliding the switch on the bottom of the sensor head. (See Fig.5)
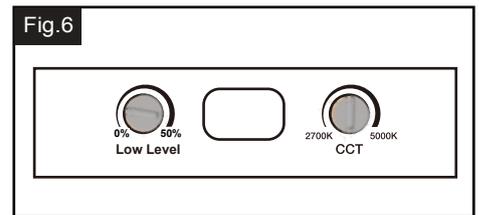
Note: When power is first applied, the light will be on and warm up lasts 30 seconds.

1. TEST MODE (daytime and nighttime operation.)
   - Rotate Time knob arrow on the left side of the sensor head to the "TEST" position. (See Fig. 5)

   - The light turns to high-level brightness (5000K) when motion is detected, and stays on as long as the motion continues. Then it reverts back to low-level brightness (2700K) about 5 seconds after motion is no longer detected.

Fig.5
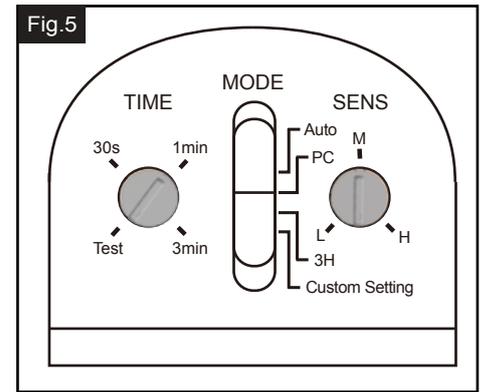
2. AUTO MODE (nighttime operation only)
   - In "AUTO" mode, rotate Time Delay knob to the desired time setting (30s/1min/3min). At dusk, the light turns on to pre-selected low-level brightness and CCT color. When motion is detected, the light turns to full brightness (5000K) and stays on as long as motion continues. When the motion is no longer detected, the light at full brightness (5000K), remains on for predetermined time you set (30s/1min/3min), and then switch back to the set low level brightness and CCT color automatically.
   - The light turns off automatically at dawn.
   Note: You can adjust the low-level brightness (0~50%) and CCT color (2700K~5000K) by using the low-level brightness (0~50%) knob and CCT color (2700K~5000K) knob on the backplate (See Fig.6)

Fig.6

3. PC MODE (nighttime operation only)
   - In "PC" mode, the light turns on at full brightness at dusk and remains on until dawn.
   Note: You can adjust the CCT color (2700K~5000K) by using the CCT color (2700K ~5000K) knob on the backplate. (See Fig.6)

4. 3 HOURS (3H) MODE (nighttime operation only)
   - In "3H" mode, the light turns to high-level brightness (100%) at dusk, and stays "ON" for 3 hours, then it turns to low-level brightness. It turns to high-level brightness (100%) when motion is detected, and stays on as long as motion continues. When motion is no longer detected, it remains on for the predetermined shut-off delay time you set (30s/1min/3min), then returns to the predetermined low level brightness and CCT color automatically.
   - The light turns off automatically at dawn.
   Note: You can adjust the low-level brightness (0~50%) and CCT color (2700K~5000K) by using the low-level brightness (0~50%) knob and CCT color (2700K~5000K) knob on the backplate (See Fig.6)

5. CUSTOM SETTING MODE (nighttime operation only):
   - In "CUSTOM SETTING" mode, the light turn on at dusk and off at dawn automatically.
   - Instead of "3H", the motion sensor operation can be set to start at a specific 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, and would like the light to go into "AUTO motion sensor mode. To achieve this, the homeowner will turn the wall switch "OFF", and turn it "ON" twice within 3 seconds. This sets the time the light goes into "AUTO" mode every day, the light will behave the same way.
   To revert back to Default, turn the wall switch "OFF" and then turn it "ON" after 5 seconds.
   Note: You can adjust the low-level brightness (0~50%) and CCT color (2700K~5000K) by using the low-level brightness (0~50%) knob and CCT color (2700K~5000K) knob on the backplate (See Fig.6)
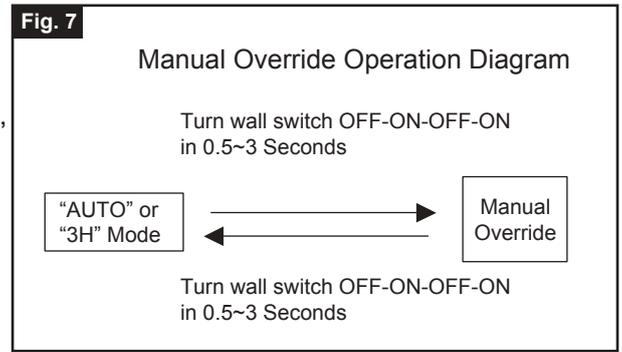
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FUNCTION AND OPERATION

6. Manual Override (nighttime operation only)
   ● To temporarily override the settings in "AUTO" or "3H" mode for on-demand continuous high-level brightness at night, turn the wall switch "OFF" then turn it "ON" twice within 3 seconds, the light remains on all night long. To shift back to "AUTO" or "3H" mode, turn the wall switch "OFF" then turn it "ON" twice within 3 seconds again. (See Fig.7)
   ● The light turns off automatically at dawn.

7. CCT Color Switching
   ● CCT Color adjustable function apply to low level brightness, 3H, PC and Custom Setting mode.

Fig. 7

Manual Override Operation Diagram

Turn wall switch OFF-ON-OFF-ON
in 0.5~3 Seconds

"AUTO" or "3H" Mode ⟷ Manual Override

Turn wall switch OFF-ON-OFF-ON
in 0.5~3 Seconds

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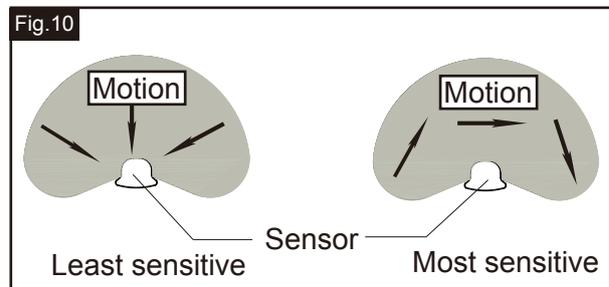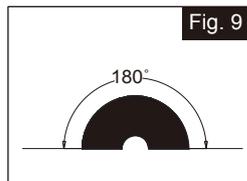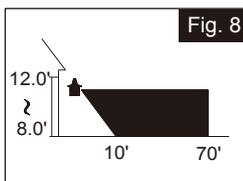
Customization Options:

Shut-off Delay
● The shut-off delay is the length of time the light will stay at brightness after motion is detected.
● You can set the shut-off delay by rotating the Time knob arrow so it points to the desired time setting (30s/1min/3min) (See Fig.5).

Notes:

1. The sensitivity of the motion sensor will increase as the environmental temperature gets cooler. For best performance, gently clean the lens with a soft cloth every 1 or 2 months to ensure 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.8)
3. The sensor detects movement across a detection range of 180 degrees. (See Fig.9)
4. The sensor will be more sensitive to motion across its detection path than motion directly towards it. (See Fig.10)
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 reflective object or other nearby light source.
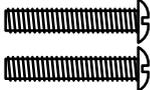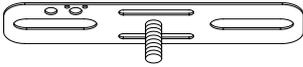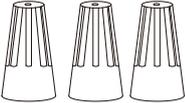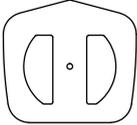
Where you install your fixture is important:
Be sure the light is mounted straight on the wall or eave; otherwise, the detection distance may be limited.

Fig. 8

12.0'
8.0'
10'   70'

Fig. 9

180°

Fig.10

Motion

Least sensitive — Sensor

Motion

Most sensitive

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

Spare Parts List:

Drywall Screw (A)	Mounting Strap Unit (B)	Ring and Screw (C)
Wire Connector (D)	Gasket (E)	Decorative Cover (F)

→ Assembly Kit
6325MM (1 SET) for T0674
6298MM (1 SET) for T0675

TROUBLESHOOTING

Problem	Possible Cause	Solution
The light will not come on.	☐ The light switch is turned off.	☐ Turn the light switch on.
	☐ The fuse is blown or the circuit breaker is turned off.	☐ Replace the fuse or turn the circuit breaker on.
	☐ Daylight turn-off (photocell) is in effect.	☐ Recheck after dark.
	☐ The circuit wiring is incorrect (if this is a new installation).	☐ Verify the wiring is correct.
	☐ The motion sensor is aimed in the wrong direction.	☐ Re-aim the motion sensor to cover the desired area.
	☐ The outside air temperature is close to the same as a person's body heat.	☐ Increase the "SENS" setting.
The light comes on during the day.	☐ The motion sensor may be installed in a relatively dark location.	☐ The light fixture is operating normally under these circumstances
	☐ The "TIME" switch is in the "TEST" position.	☐ Set the "TIME" switch to the 30s, 1min,3min setting.
The light comes on for no apparent reason.	☐ The motion sensor may be sensing small animals or automobile traffic.	☐ Decrease the "SENS" setting or reposition the motion sensor.
	☐ The "SENS" switch is set too high.	☐ Decrease the "SENS" setting.
	☐ The outside temperature is much warmer or cooler than a person's body heat (summer or winter).	☐ Decrease the "SENS" setting.
	☐ The light fixture is wired through a dimmer or timer.	☐ Do not use a dimmer or timer to control the light fixture. Replace the dimmer or timer with a standard on/off wall switch.
The lights turn off too late in the PC setting.	☐ The light fixture may be installed in a relatively dark location.	☐ Relocate the light fixture or use the 3 hour setting.

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TROUBLESHOOTING (CONTINUED)

Problem	Possible Cause	Solution
The lights stay on continuously.	☐ The motion sensor may be picking up a heat source, such as an air vent, dryer vent, or brightly painted, heat-reflective surface. ☐ The motion sensor is in manual mode. ☐ The light fixture is wired through a dimmer or timer. ☐ The light fixture is on the same circuit as a motor, transformer, or fluorescent bulb.	☐ Decrease the "SENS" setting or reposition the motion sensor. ☐ Switch the motion sensor to auto. See Using manual mode on page 5. ☐ Do not use a dimmer or timer to control the light fixture. Replace the dimmer or timer with a standard on/off wall switch. ☐ Install the light fixture on a circuit without motors, transformers, or fluorescent bulbs.
The lights flash on and off.	☐ Heat or light from the lamp heads may be turning the motion sensor on and off. ☐ Heat is being reflected from other objects and may be turning the motion sensor on and off. ☐ The motion sensor is in "TEST" mode and warming up.	☐ Reposition the lamp heads away from the motion sensor. ☐ Decrease the "SENS" setting or reposition the motion sensor. ☐ While in "TEST" mode, the light only stays on for 30 seconds. Set the "TIME" switch to 30s,1min,3min.
The lights flash once then stay off in manual mode.	☐ The motion sensor is detecting light from the lamp heads.	☐ Reposition the lamp heads to keep the area below the motion sensor relatively dark.

A: 7-1/4"

B: 11-1/2"

C: 5-3/4"

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