

### MODEL OL-S



### WARNING

#### **WARNING — THE INSTALLATION MUST BE CARRIED OUT BY A QUALIFIED ELECTRICIAN.**

1. LED Security Light Sensors are suitable for using in dry and damp locations
2. Please keep the LED Security Lights away from any corrosive substance, and please use dry cloth when you clean it
3. LED Security Light Sensors can only be installed by a qualified electrician
4. Before installation or maintenance, please disconnect the power to prevent electric shock

#### **Application Notice**

1. To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts / abrasions and other hazards, please read all warnings and instructions included with and on this product prior to installation
2. For commercial installation, service and maintenance of this product should be performed by a qualified, licensed electrician
3. For residential installation, if you are unsure about the installation or maintenance of this product, consult a qualified licensed electrician
4. DO NOT mount the unit against flammable surfaces
5. It is recommended that this security light is mounted at least 6' 6" off the ground
6. The security light should NOT be used in areas with limited ventilation or high ambient temperatures
7. The security light CANNOT be used with a dimmer switch, motion or occupancy sensor or other electronic switching device
8. This product is intended to be connected to a properly installed and grounded UL listed junction box

#### **WARNING — RISK OF ELECTRICAL SHOCK**

- Turn OFF electrical power at fuse or circuit breaker box before wiring product to the power supply
- Verify if the supply voltage is correct before installing (110V-240V)
- Make all electrical and grounded connections in accordance with the National Electric Code and any applicable local code requirements
- All wiring connections should be capped with UL listed wire connectors

#### **WARNING — RISK OF PRODUCT DAMAGE**

- NEVER connect fixture with power ON
- DO NOT mount or support product in a manner that can cut the outer wire jacket or damage the wire insulation
- Avoid covering LED products with insulation, foam or other materials that will prevent convection or conduction cooling

### CAUTION

#### **PLEASE READ INSTRUCTION BEFORE COMMENCING INSTALLATION AND RETAIN FOR FUTURE REFERENCES.**

**Electrical products can cause death or injury, or damage to property.**

**If in any doubt about the installation or use of this product, consult a competent electrician.**

### INSTALLATION GUIDE

#### **Tools Required for Installation:**

Phillips screwdriver and level

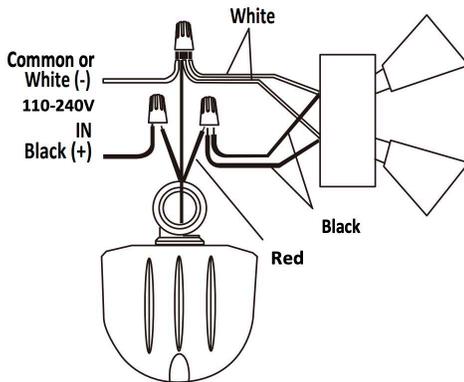
The installation of the Security Light Motion Sensor requires making connections to house wiring. If you are not confident making these connections safely, consult a qualified electrician.

#### **REMINDER:**

Apply silicone caulking around the edges of cover plate and in any open holes for a water-tight seal.

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### INSTALLATION GUIDE



1. Turn OFF all power by removing fuse or flipping circuit breaker to OFF position
2. Screw motion sensor arm into the desired hole on junction box's cover plate. Ensure that the sensor is positioned as shown with the LEDs on top.
3. Connect wires. Connect WHITE wires together using wire nuts provided. Connect BLACK house wire to BLACK wire from sensor. Connect the RED wire from the sensor to the BLACK wire(s) from the light fixture(s) using the wire nut provided. Tighten securely. Carefully push all of the wires into the junction box. (See the diagram on the left)

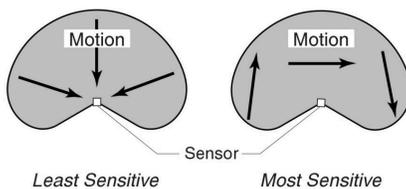
**NEUTRAL = White      LIVE = Black      RED = Load**

DO NOT MOUNT ON THE GROUND. Recommended installation height is 6-1/2ft to 10ft/ This product is intended for use with enclosed gasket and with a junction box marked for use in wet locations. Before you begin, make sure that your power is turned OFF at your circuit breaker box. DO NOT rely on the switch power being turned OFF.

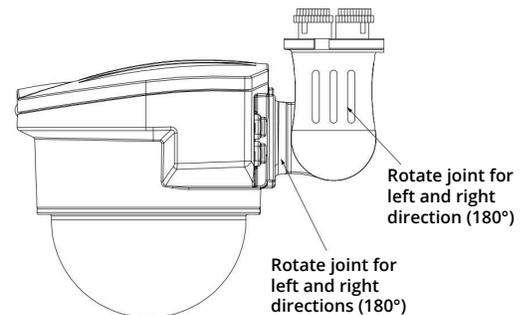
1. Install the cross bar to the junction box and secure with the (2) mounting screws. If installing to a wall or building, pre-drill holes and use appropriate plugs / anchors. Once your holes are drilled, you can install the cross bar to the surface using the two mounting screws
2. On the cross bar locate GND, attach the ground wire with the grounding screw to the cross bar
3. Use a wire nut to connect the ground wire to the house ground wire (typically copper). For proper connection, place wire nut over wires and twist clockwise until tight
4. Connect supply wires with wire nuts. BLACK supply wire connects to the BLACK power supply wire (Live). WHITE product wire connects to the WHITE supply wire (Neutral)
5. You may use the optional gasket at this time round
6. Install the light fixture to the cross bar. Use silicon sealant (not included) around the perimeter of the light to seal for moisture
7. Screw in the stainless steel screw to hold fixture in place. Insert plastic screw cover into screw hole
8. Turn ON your electricity after the installation has been completed
9. Turn ON power switch. (if power is NOT ON, the light will NOT cycle ON or OFF)

### Adjusting Your Motion Sensor

Your sensor head can be adjusted by turning the individual light head to detection area. You can also adjust your sensor head up and down to your detection distance.



**REMINDER:** If fixture is mounted higher than 8 ft (2.4m), aiming the sensor down will reduce coverage distance. The detector is less sensitive to motion directly towards it.



### Installation

For easy installation, select an existing light operated by a wall switch for replacement.

For best performance, mount the fixture about 8 ft (2.4m) above the ground.

If fixture is mounted higher than 8 ft (2.4m), aiming the sensor down will reduce coverage distance.

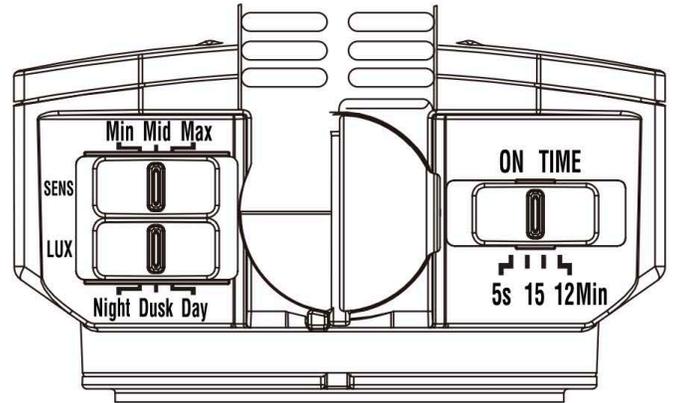
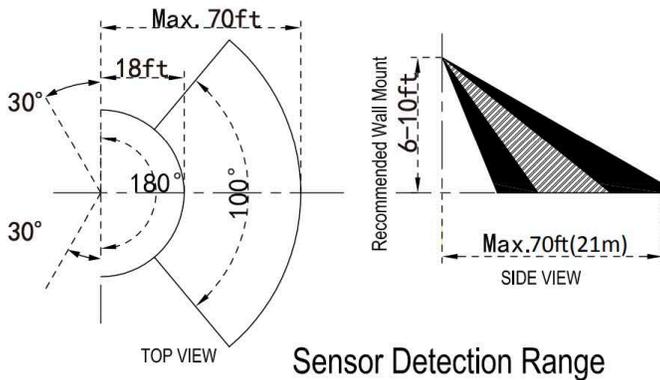
### Setting the Motion Sensor

- Detection Range: 70 ft
- Detection Angle: 240°

**CAUTION**  
KEEP THE SENSOR AT LEAST  
2" (51 mm) AWAY FROM  
THE LAMPS.

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### Sensor Adjustments

\*\* You MUST adjust the motion sensor on the light to the desired area before you can adjust the time and LUX settings.

### Time Setting

The TIME setting controls how long the unit remains illuminated following activation and after all motion ceases. The minimum time (Slide Switch) is approximately 5 seconds, the maximum time (slide switch) is approximately 12 minutes. Set the slide switch to control to the desired setting between these limits.

### LUX Setting

The LUX setting controls when the light will come on; it controls the amount of light needed to turn the light ON. The LUX setting is marked by the sun and the moon. Use one of the three predetermined settings as illustrated. To adjust the light to come ON when it is darker outside, slide the switch to "Night". To adjust the light to come on at dusk, slide the switch to "Dusk". To adjust the light to come on when it is lighter outside, slide the switch to the "Day".

### SENS Setting

The SENS slide switch knob control:  
 Set the slide switch knob to the "Min" position. The sensor is low sensitivity setting.  
 Set the slide switch knob to the "Mid" position. The sensor is generally sensitivity setting.  
 Set the slide switch knob to the "Max" position. The sensor is high sensitivity setting.

### Avoid aiming the control at:

- Objects that change temperature rapidly, such as **heating vents and air conditioners**. These heat sources could cause false triggering
- Areas where **pets or traffic** may trigger the control
- **Nearby large, light coloured objects** reflecting light may trigger the shut-off feature. DO NOT point other lights at the sensor.

### REMINDER

Sensor has a 1-1/2 minute warm up period before it will detect motion. When first turned ON, wait for 1-1/2 minutes.

### MAINTENANCE

To clean the surface of the light, use mild soap and water. DO NOT use scouring pads, powders, steel wool or any other abrasive materials. DO NOT immerse in water.

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#### Lights will not come on:

1. Light switch is turned OFF
2. Light is loose or burned out
3. Fuse is blown or circuit breaker is turned OFF
4. Daylight turnoff is in effect (double-check after dark)
5. Incorrect circuit wiring, if this is a new installation
6. Re-aim the sensor to cover desired area

#### Lights stay ON continuously:

1. A lamp is positioned too close to the sensor or pointed at nearby objects that cause heat to trigger the sensor (reposition the lamp away from the sensor or nearby objects)
2. Light control is pointed toward a heat source like an air vent, dryer vent, or brightly-painted heat reflective surface (Reposition sensor. Reduce Range)

#### Lights come on for no apparent reason:

1. Light control may be sensing small animals or automobile traffic (re-aim the sensor)
2. Range is set too high (reduce range setting)

#### Lights come on in daylight:

1. Light control may be installed in a relatively dark location

#### Lights flash ON and OFF:

1. Heat or light from the lamps may be turning the light control ON and OFF (Reposition the lamps away from the sensor)
2. Heat being reflected from other objects may be affecting the sensor (Reposition sensor)

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