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ORTECH SSL-SO Security Light Instruction Manual

Contents

ORTECH SSL-SO Security Light

Product Specifications

- Product Name: SECURITY LIGHTS SSL-SO
- Location: Wet Location
- Sensor Type: PIR Motion D2D Mode Sensor
- Waterproof: Yes
- Mounting Options: Ceiling-mounted and Wall-mounted

WARNING

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

- LED Security Light Sensors are suitable for using in wet locations
- Please keep the LED Security light Sensors away from any corrosive substance, and please use dry cloth when you clean it
- Before installation or maintenance, please disconnect the power to prevent electric shock

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.

HARDWARE CONTENTS (not actual size)

| Plastic Screw Cove x 1 | Stainless Steel Screw x 1 | Gasket x 1 | Mounting Cross Bar x 1 | Wire Nuts x 3 | Mounting Screws x 2 |

PREPARATION

Before assembly, installation or operation of product, make sure all pats are present. Compare parts with package contents list and diagram on previous page. If any part is missing or damaged, do not attempt to assemble, install or operate the product. Contact customer service for replacement parts.
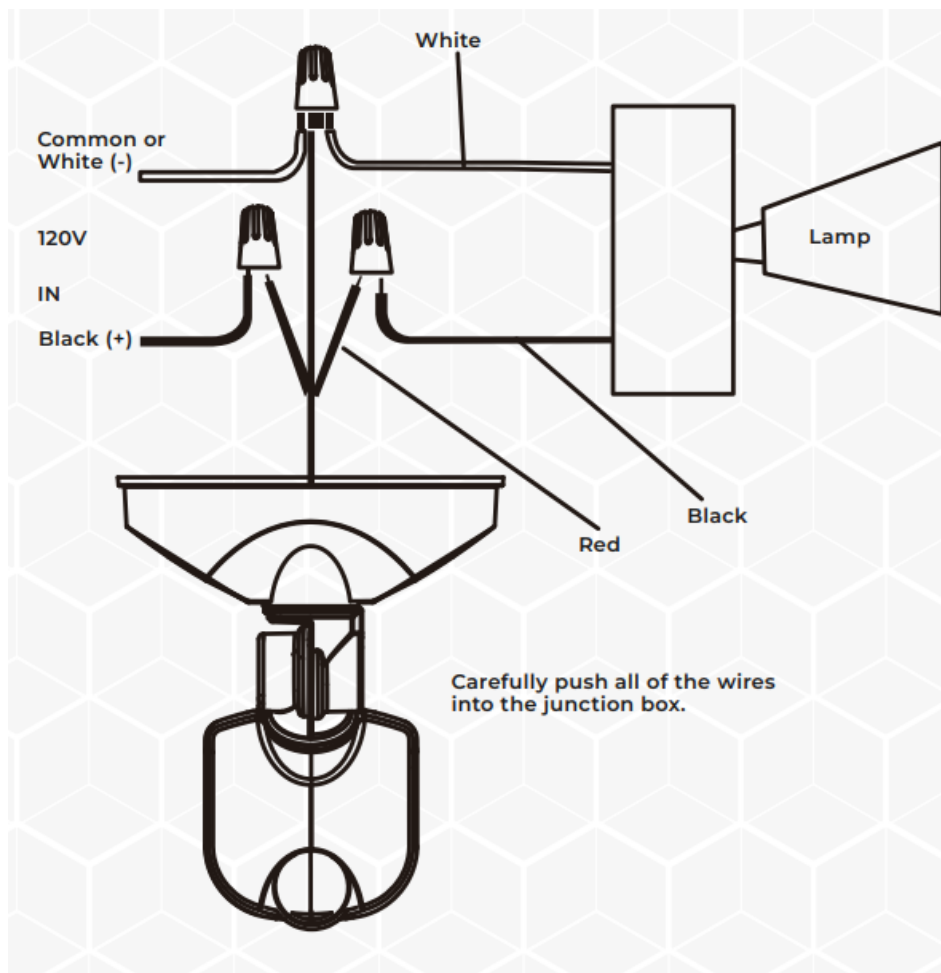
MOUNTING AND WIRING THE LIGHT

NOTE: DO NOT MOUNT ON THE GROUND, RECOMMENDED INSTALLATION HEIGHT IS 6½ FEET TO 10 FEET

1. Attach the cross bar (D) to the junction box using the (2) mounting screws (F).
2. Connect supply wires with wire nuts (E) as shown in the figure above.

   Black wire to the Black supply wire (Live).

   White wire to the White supply wire (Neutral).
3. You may use the optional gasket (C) at this point.
4. Install the light fixture to the cross bar (D).Use silicon sealant (not included) around the perimeter of the light to seal for moisture.
5. Screw in the stainless steel screw (B) to hold fixture in place. Insert plastic screw cover (A) into screw hole.
6. Turn on your electricity after installation is completed.
7. Turn on power switch. (If power switch is not on, the light will not operate)

NEUTRAL = White LIVE = Black RED = Load
Apply silicone caulking around the edges of coverplate and in any open holes for a watertight seal.

White

Common or
White (-)

120V

IN

Black (+)

Lamp

Black

Red

Carefully push all of the wires
into the junction box.

WATERPROOF TREATMENT INSTRUCTIONS

- Place silicone(not included) around the mounting plate and its surface to ensure a waterproof seal.
- The light can be mounted on eaves, soffits, or walls, so there are 2 installation ways, ceiling-mounted and wall-mounted.


Wall mounting
Waterproof treatment place

Ceiling installation
Waterproof treatment place
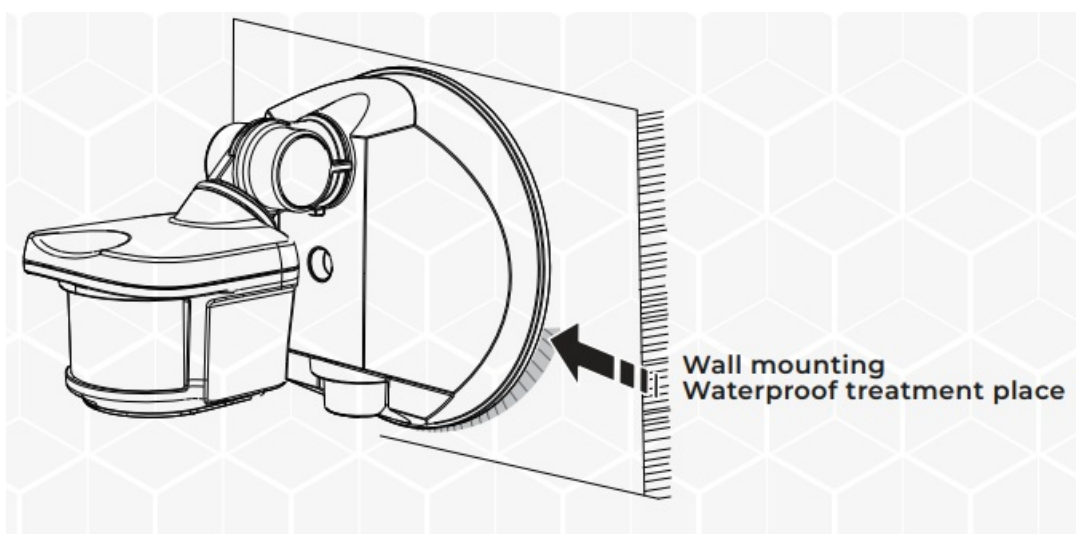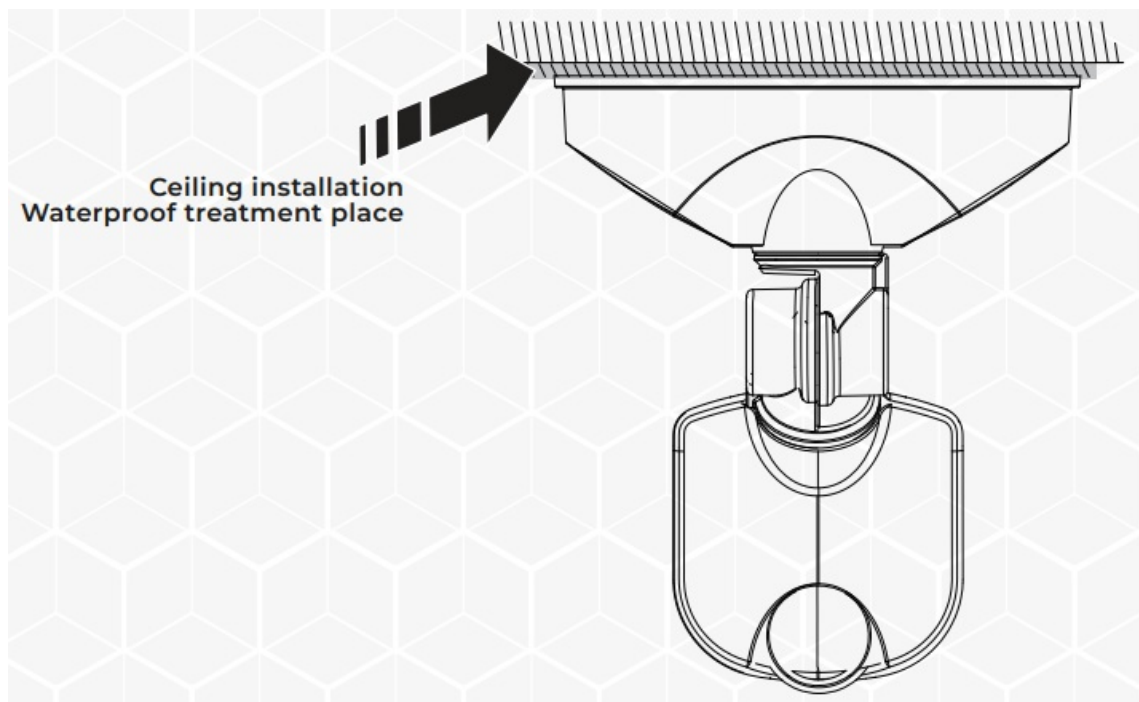
ADJUSTING LIGHT HEADS
Your light heads can be adjusted by turning the individual light head to desired position horizontally or vertically.
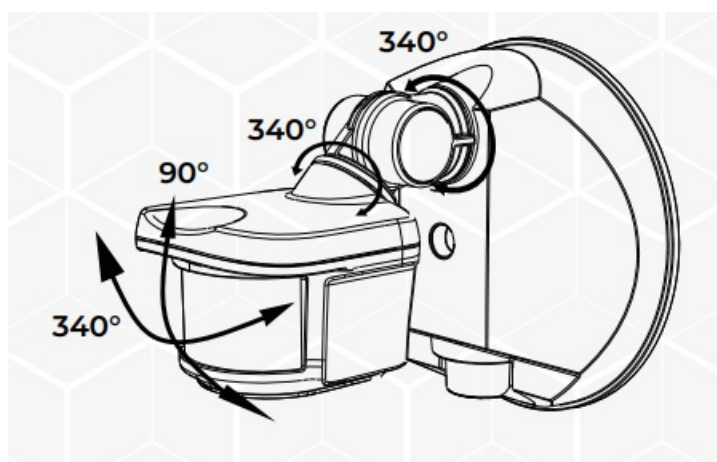

MOTION SENSOR SENSITIVITY

1. The sensor is affected by brightness, temperature, and moving objects.
2. Do NOT install near other sources of light, as this can affect motion sensor detection.

Recommended wall mounting height is at 6.5 ft.
Environmental testing temperature: 25°C
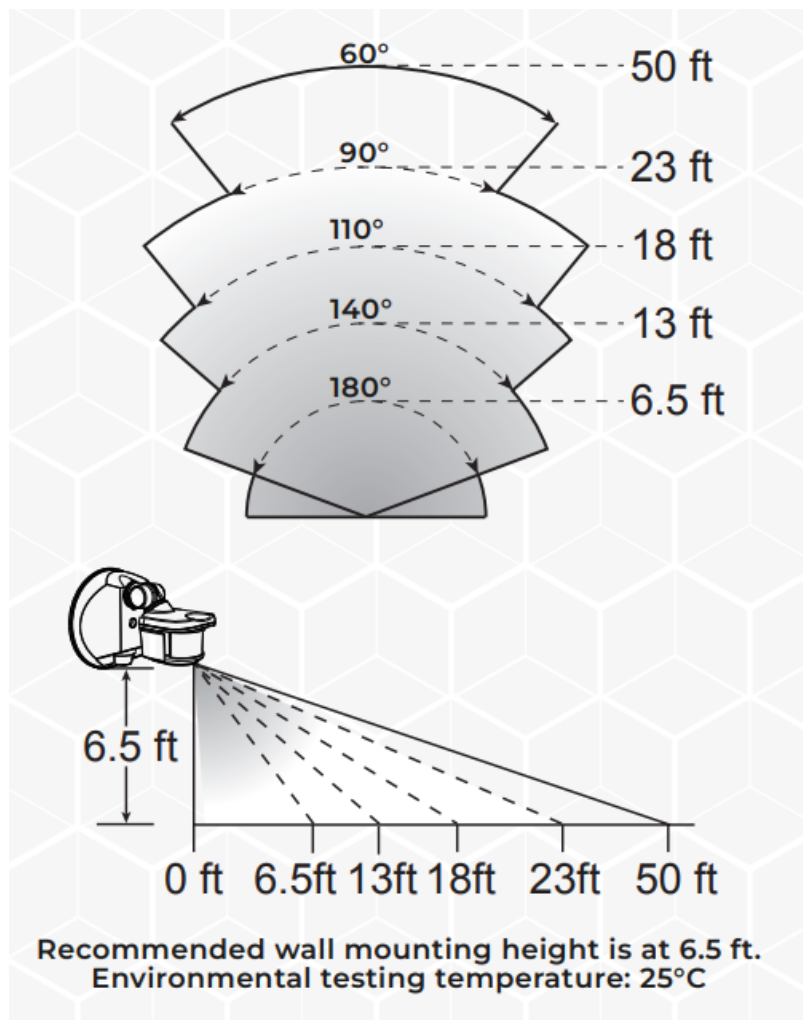
Significant temperature changes may cause sensor malfunctions, so avoid placing the sensor near vents, heat exhausts or AC units.

3. When installing, ensure the sensor is not placed too close to trees. Movement of branches in the wind may trigger sensor.
4. The sensor cannot detect infrared light through glass or object.
5.
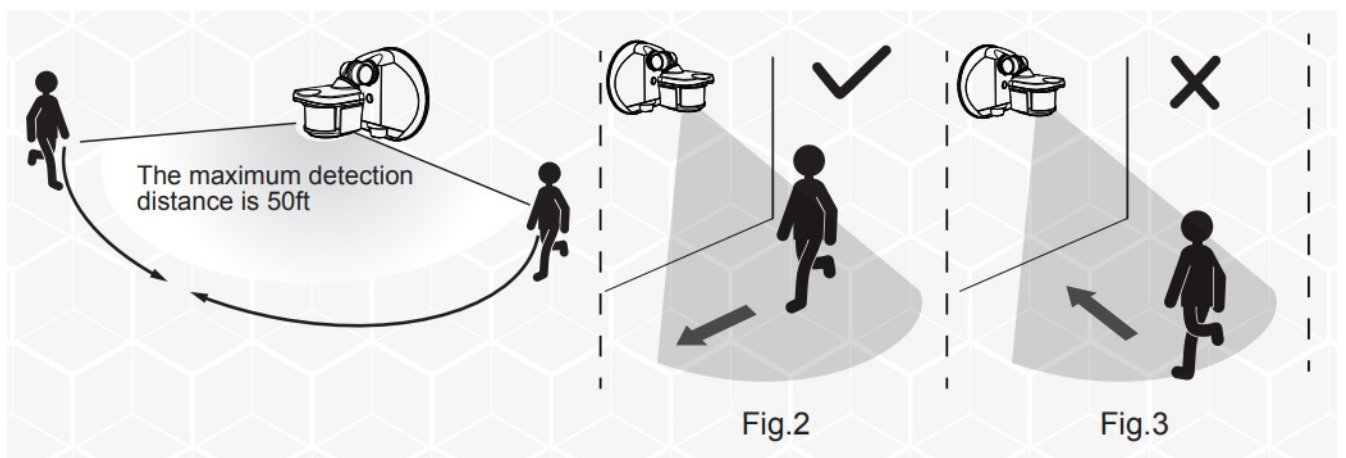
The sensor is very sensitive to lateral motion, with a maximum detection distance of 50 ft. (Fig. 2)

6. In contrast, the sensor may not be very sensitive to movement directly towards the light and may occasionally detect such movement within 12 ft, due to the small displacement involved. (Fig. 3)

CCT SELECTABLE SWITCH

CARE AND MAINTENANCE

1. To clean the surface of the light, use mild soap and water.

2. Do not use scouring pads, powders, steel wool or any other abrasive materials.

3. Do not immerse in water.

TROUBLE SHOOTING

SYMPTOM	POSSIBLE CAUSE
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 turn off is in effect (recheck after dark).5. Incorrect circuit wiring, if this is a new installation.6. Re-aim the sensor to cover desired area.
Lights come on in day light.	1 . Light control may be installed in a relatively dark location.
Lights come on for no apparent reason.	1 . Light control may be sensing small animals or automobile traffic (re-aim sensor). Range is set too high. (Reduce Range setting).
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 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).

ORTECH reserves the right to modify at any time, without notice, any or all of our product's features, designs, components and specifications to meet market changes.

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FAQ

- **Q: Can I clean the LED Security Light Sensors with any cleaning substance?**
  A: Please keep the sensors away from corrosive substances and use a dry cloth for cleaning to prevent damage.
- **Q: What should I do if the light does not operate after installation?**
  A: Ensure the power switch is turned on. If the issue persists, consult a qualified electrician for assistance.

Documents / Resources

[ORTECH SSL-SO Security Light](#) [pdf] Instruction Manual
SSL-SO Security Light, SSL-SO, Security Light, Light

References

- [**User Manual**](#)