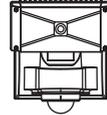


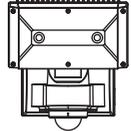
SLRF13W/SLRF13B SLRF26W/SLRF26B DOME LENS PIR MOTION SENSOR LED LIGHT

Specifications:

1. Power: 220-240V~ 50Hz.
2. Range of detection: Adjustable from 2m to 10m.
3. Angle of detection: 240°
4. Timer: Adjustable from 3 sec. to 15 min.
5. Lux control: Adjustable “Light level” sensing from 5 Lux to 1000 Lux and Test Mode.
6. Lamp type & output load:



SLRF13W
SLRF13B



SLRF26W
SLRF26B

Model No.	Lamp Type	Output Load
SLRF13W SLRF13B	CREE COB 13W x 1 pc 1000 lm / 5000K	☀ 230VAC / 800W / $\cos\phi=1$ ⚡ 230VAC / 400VA / $\cos\phi=0.5$
SLRF26W SLRF26B	CREE COB 13W x 2 pcs 2000 lm / 5000K	🔌 200VA LED 200VA

Adjustments:

NOTE: Pull the sensor head surround down to reveal the adjustment knobs. After setting, push it back to position. (Figure A)

1. **TIME:** The time can be set variably from 3 sec, 15 sec, 30 sec, 1 min, 3 min, 5 min, 10 min to 15 min. Timer starts counting from the latest detected movement. While there is still movement in the detecting area, the lighting will remain on and the timer will keep resetting. (Figure B)

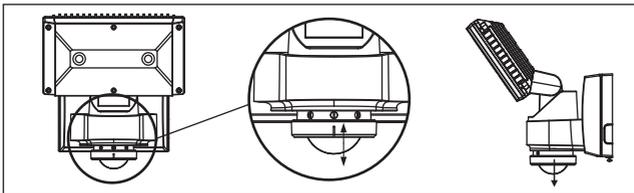


Figure A

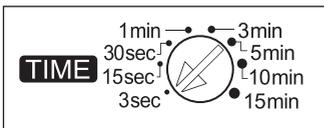


Figure B



Figure C



Figure D

2. **LUX:** The adjustment controls the sensitivity to the background light level at which the detector will operate automatically. It may be set to any level between 5 Lux and full daylight. The unit will operate when it senses motion and the ambient light is at or below the set level. (Figure D)

TEST: If the arrow is pointing to "TEST"

- The Lux setting is deactivated; LED indicator remains ON until TEST is finished.
- When the sensor is activated by motion, the lighting will be turned on for 3 seconds.

3. **SENS:**

1) **Field of view:**

The recommended installation height is 1.8~2.2m. The sensor has a range of detection of 10m at 20°C, adjustable from 2m to 10m (Figure C). The sensor head can be rotated left and right 90° horizontally. SLRF13W/SLRF13B/SLRF26W/SLRF26B has a detecting angle of 240°. (Figure E)

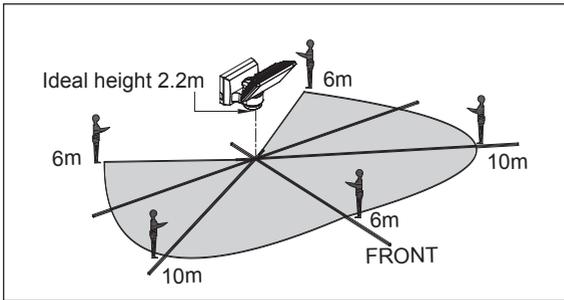
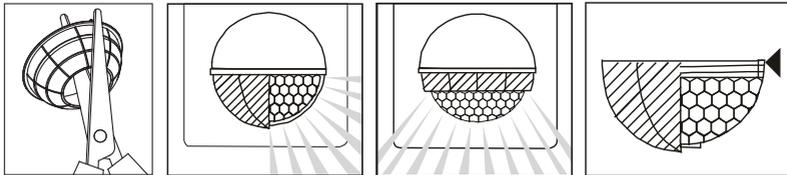


Figure E

2) **Blanking inserts:**

- Undesired areas and interference sources can be obstructed by fitting the insert supplied.
- Cut the insert either horizontally or vertically until the desired result is obtained.
- Push the insert into slot around the sensor head. The position can be adjusted by sliding it around the slot. Please refer to figures below.



4. **MANUAL TRIGGER:** By adding an external switch according to the wiring diagram (Figure F), the fitting can be manually overridden via the switch, please refer to section 5 for operation.

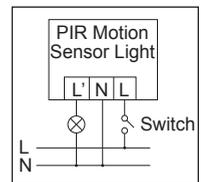
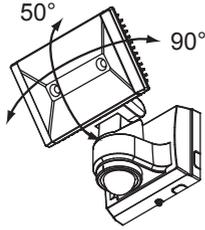


Figure F

5. **MANUAL OVERRIDE**

To manually switch the lamp on, quickly switch the remote switch off - on, off - on (twice within 4 seconds), to enter Override Mode. The lighting will remain On for up to 6 hours, and then go off and back to Auto Mode. Before the 6 hour delay time ends, if required, switch off for 2.5 seconds and then back on to Auto Mode.

6. **Lamp head:** The lamp head can turn 90° horizontally and 50° vertically allowing for optimum illumination.



Installation:

Warning: This product must be installed only by a qualified electrician. Installation must follow local building codes as well as the instruction contained in this manual. Turn off power at circuit breaker or fuse box, to make sure power is off before installation. If you have any doubts about the installation procedure, please consult a professional mechanic.

The product is to be mounted on wall (Figure G). Ensure the product is screwed securely to the wall.

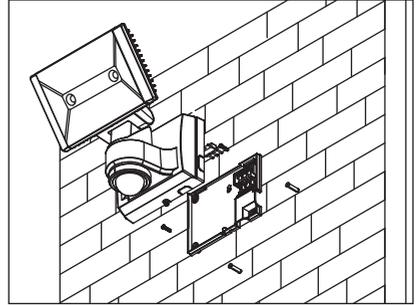


Figure G

Connection to the power supply:

1. Note: This product must be installed according to local Wiring Regulations and Code of Practice.
2. Ensure the supply is disconnected at the distribution board before starting the electrical wiring.
3. Study the wiring diagram below before making any electrical connections. Incorrect wiring of the unit could destroy the product and will not be covered by the warranty.
4. Connect Brown wire from the supply circuit (incoming active/phase) to the active terminal (L).
5. Connect Blue wires (neutrals) from the supply circuit and output load to the Neutral terminal (N).
6. Connect the Red wire (output load active/phase) to the L' terminal.
7. Plug the quick connector onto the terminal, as show in Figure H.
8. Switch on supply and the detector will commence a 60 seconds warm-up period.

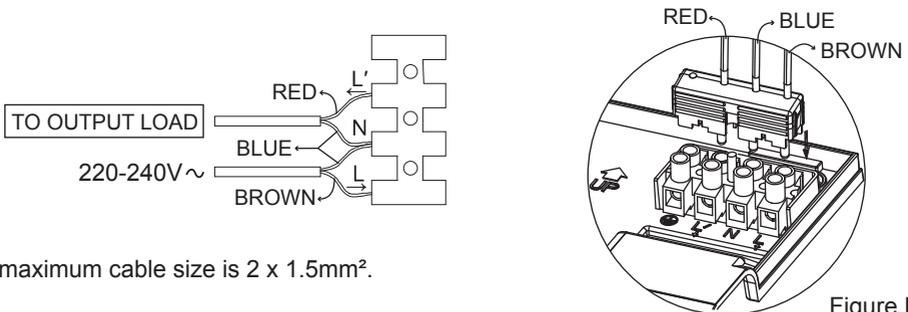
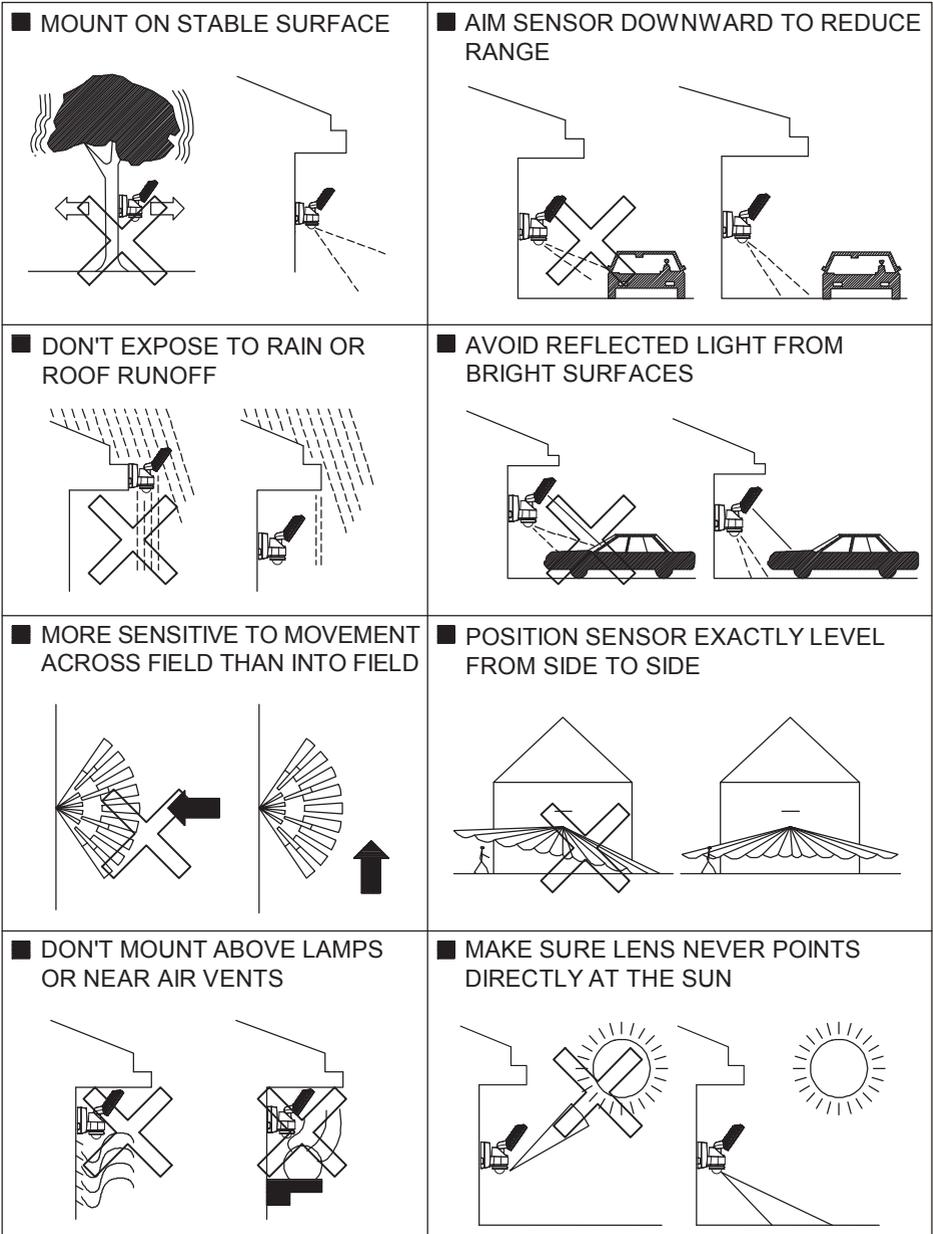


Figure H

Note: maximum cable size is 2 x 1.5mm².

Installation hints:

To ensure the best performance of your sensor, refer to the following figures for an ideal location.



Initial set up and operation:

1. After connection to mains power, 60 seconds is required to warm up. The lighting lasts approximately 60 seconds.
2. Walk in front of the detector until the light comes up. This checks the operation of the detector and the field of view. Under test mode, Red LED and lighting will come on for 3 seconds when each movement is detected.
3. Repeat step 2 and adjust the angle of the dome lens until the optimum field of view is achieved.
4. Turn the Time and Ambient Light (LUX) control to the desired positions.
5. The detector is now in Auto Mode and will operate according to the preset time and ambient light (LUX) adjustments. LED indicator will keep flashing at stand-by mode. Once activated , LED indicator and lighting will remain on until timer out.
6. To turn the lights Off: Turn the power switch off or unplug the AC plug.

Trouble Shooting:

1. Unit will not function at all/Lights won't come on

- Check wiring to make sure that you have correct AC power at the unit.
- Check the wiring from the unit to the source of power to make sure you have wired the unit correctly.
- Check the ambient light control to see if it was set at your desired level.

2. Detector clicks but does not work

- Check if lamps are broken.
- Check if lamps are tight in lampholders.

3. Lights go on and off quickly

- Ensure light and heat are not being reflected onto the detector. Check for white or reflective surfaces that may be causing the problem.
- Note the detector is more sensitive in cold weather.

4. Lights stay on

- Check unit has not gone into Manual Override mode.
- Light bulb sockets may be wired directly to the power source. Recheck the wiring diagram.
- Adjust time to minimum, and ensure unit is firmly fixed to a solid object with no moving branches etc. in field of view.
- Ensure detector is not being activated by stray moving heat sources such as heating outlets, car etc.

5. Detector goes on under windy and rainy condition

- Adverse weather conditions and temperature changes can result in unwanted activations.
- This can be minimized by mounting in a protected location.

6. Maintenance and repair

- Do not attempt to repair as this could invalidate warranty or result in personal injury.
- Clean detector lens and outside casing with damp cloth.

Due to our policy of continuous improvement we reserve the right to change specification without prior notice. Errors and omissions excepted. These instructions have been carefully checked prior to publication. However, no responsibility can be accepted by Challenger for any misinterpretation of these instructions.

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SLRF13_SLRF26_Instructions Rev01