

TROUBLESHOOTING

If the load does not work:

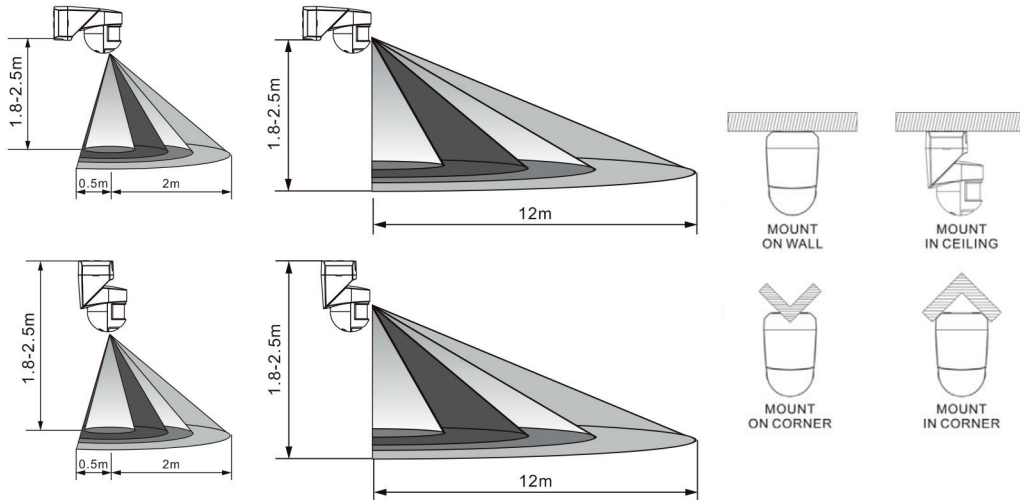
- a. If the connection-wiring of power and load is incorrectly installed.
- b. If the load is incorrectly set up.
- c. If the working light set is not corresponding to ambient light.

If the sensitivity is poor:

- a. Is there is an obstacle in front of the detection window that is affecting the signal?
- b. Is the ambient temperature too high?
- c. Is the induction signal source in the field of detection?
- d. Is the installation height corresponding to the height shown in the instructions.
- e. Is the moving orientation correct?

The sensor cannot shut off the load automatically:

- a. If there is a continuous signal in the detection field.
- b. If the time delay is too long.
- c. If the power corresponds to the instructions.
- d. If the temperature near the sensor changes, (caused by air conditioning or central heating).



For more information contact:



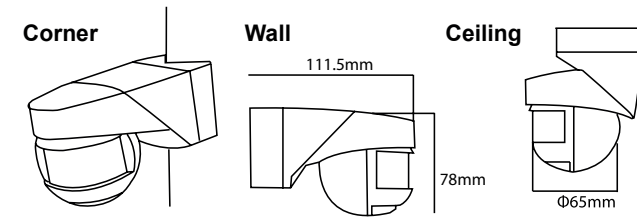
Unit 7/8 Ashbourne Business Centre, Ballybin Road, Ashbourne, Co. Meath, A84 YP58, Ireland

Solas Geal Distribution Phone: +353 1 835 7447, UK Ph: 0330 551 7000, Website: www.sgd.ie



3 in 1 Infrared Motion Sensor

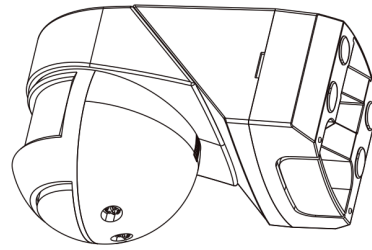
Product Codes:
SPIR 3MOD-WH
SPIR 3MOD-BL



INSTALLATION MANUAL

SPIR 3MOD Infrared Motion Sensor

The SPIR 3MOD is a new type of energy-saving lighting switch, it has a high sensitivity detector, integrated circuit and surface mounted technology. It is automatic, convenient, safe, energy saving with practical functions. It has wide detection range which has an up and down, left and right service field. It utilizes human motion infrared rays as control signal sources. When a presence enters the detection field, it will start the controlled load at once. It can automatically identify daylight and darkness. It is easy to install and it has the dual function of power and detection indication.



SPECIFICATION:

Power Source: 220V/AC-240V/AC

Power Frequency: 50/60Hz

Ambient Light: <10-2000LUX (adjustable)

Time-Delay: min:10sec±3sec

max:15min±3min

Rated Load: 2000W (incandescent lamp)

1000W (energy-saving lamp)

Detection Distance: 12m max(<24°C)

Detection Range: 180°+360°

Working Temperature: -20~ +40°C

Working Humidity: <93%RH

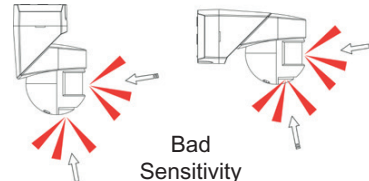
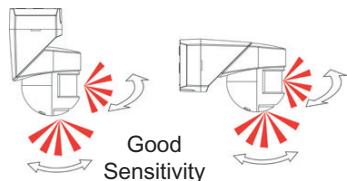
Installation Height: 1.8m~2.5m

Power Consumption: <0.9W (work)

<0.9W(static)

Detection Moving Speed: 0.6~1.5m/s

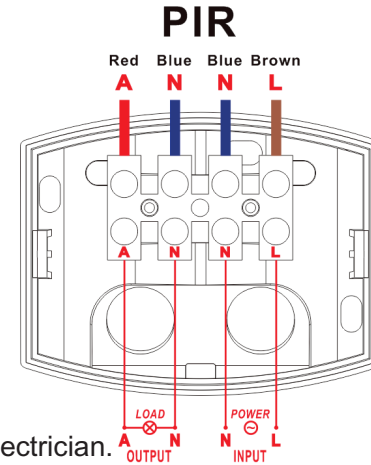
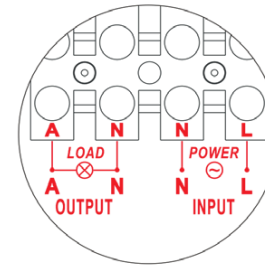
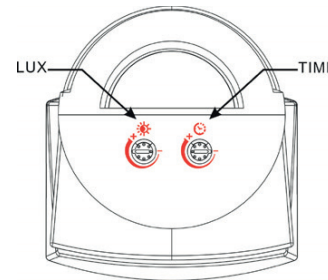
- **Detection field:** The wide detection range works from up and down, left and right (see the below diagram), the detection range can be adjusted.
- Detects daylight and darkness automatically. The ambient light can be adjusted. When turned to SUN (max), it will work day and night. When turned to MOON (min), it will only work in the ambient light less than 10LUX.
- Time-delay is continuously added: When it receives the second induction signals after the first induction, it will compute time once more on the rest of the first time-delay basis (set time).
- Time-delay is adjustable: It can be manually set, the minimum is 10sec±3sec, the maximum is 15min±3min.



INSTALLATION: (see diagram)

- Shut off power.
- Loosen the screw on the bottom lid, open the wiring hole, and pass power wire and load through the bottom lid.
- Fix the bottom lid with inflated screw on the selected position.
- Connect the power and load wire into connection-wire column according to instructions
- This product should be installed by a qualified electrician.
- Avoid installing it on moving objects.
- There should be no obstacles or moving objects in front of the detection windows as it will affect detection.

CONNECT-WIRE FIGURE



TO TEST

- This product should be installed by a qualified electrician.
- Avoid installing it on moving objects.
- There should be no obstacles or moving objects in front of the detection windows as it will affect detection.
- Avoid installing near air temperature alteration zones such as air condition or central heating.
- As a safety precaution, please do not open the cover after installation.
- Turn time knob anti-clockwise to the minimum; turn the LUX knob clockwise to the maximum (SUN), Switch on power, the controlled load should not work as it needs to preheat within 5-30sec.
- The sensor will sense again in 5-10sec later when the first induction is finished, the load works when it receives sensor signal and stops working within 7-13sec with no sensor signal.
- Turn LUX knob to minimum anti-clockwise, if you test it when the ambient light is more than 10LUX, the induction load will not work after the load stops working; the load should work if you cover the detection window with an opaque object (towel etc.), The load stops working within 7-13sec with no induction signal condition.

Important: when testing in daylight, please turn LUX knob to (SUN) position otherwise the sensor lamp will not work



EU DECLARATION OF CONFORMITY

Manufacturers Name: Solas Geal Distribution
Unit 7/8 Ashbourne Business Centre, Ballybin Road, Ashbourne, Co. Meath, A84 YP58.

Declaration Number:
082-SPIR 3MOD-WH,082-SPIR 3MOD -BL

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Products:
Infrared Motion Sensor

Model Number:
SPIR 3MOD -WH, SPIR 3MOD-BL

The product/model of the declaration described above is in conformity with the relevant
Community harmonisation legislation:

Low Voltage Directive (2014/35/EU)
EMC (2014/30/EU)

The product/model of the declaration described above is in conformity with the below listed
harmonised standards and technical specifications listed below:

EN60669-2-1:2004+A1:2009+A12:2010, EN60669-1:1999+A1:2002+A2:2008



Signed:

Date:

Place of Issue: Republic of Ireland

