

INSTALLATION INSTRUCTIONS



DECOSENSE TWINSPOT PIR 2 x 8W LED SENSOR LIGHT LHT1236 BLACK / LHT1237 WHITE

Thank you for purchasing the Simx Lighting DECOSENSE TWINSPOT sensor light. This product is suitable for exterior exposed locations. It requires a 230V AC power supply to operate and should be installed by a registered electrician. Please read this manual carefully before installation and keep it for future reference.

TECHNICAL SPECIFICATIONS

Power Source	220-240V AC
Rated Load	17W max
Colour Temperature	3000K, CRI 80
Lumens (per lamp)	750 lumens
Light Beam Angle	92° to half-peak intensity
Detection Range	8m $\pm$ 2m
Detection Angle	140° at 3m 90° at 8m
Time On Setting	Min 2-5 secs Max 10 mins
Dusk Control	Day to night (adjustable)
PIR Aiming Adjustment	PAN left or right 90°
Lighting Aiming Adjustment	PAN left and right 90°, TILT down 55°
Working Temperature	-20°C - 40°C
IP Rating	IP55
Safety	Class II
Mounting	Under eaves or wall mount
Construction	UV-stabilised polycarbonate



! IMPORTANT

This product is suitable for use only with a supply voltage of 220-240V AC 50Hz. All electrical work must be carried out in accordance with local and national electrical codes as applicable. We strongly recommend that installation be carried out by a registered electrician.

Always switch power off prior to installation. A means of mains power isolation must be installed in the circuit for the purpose of safe access for any internal cleaning, recalibration, or maintenance.

This light fitting is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Young children should be supervised to ensure that they do not play with the appliance.

Any changes or modifications made or attempted to this product, without the prior written approval of the manufacturer, will void any and all stated warranties.

BEFORE YOU START

Please read all the instructions prior to installation.

This product should be wired to its own switch.

Do not interconnect with other lamp or sensor types on the same switch.

Do not install during wet weather.

As a standalone unit, no additional lighting load should be connected to this sensor

To achieve best results, please consider the following points:

- To avoid false triggering, direct the sensor away from heat sources such as barbecues, air con, flue vents etc or reflective surfaces such as smooth white walls, swimming pools, etc. Sensors may operate abnormally in extreme weather conditions. This is not a fault and should resume normal operation when weather settles.
- Before selecting a place to install your DECOSENSE TWINSPOT, note that movement across the scan area is more effective than movement directly toward or away from the sensor.
- To reduce the risk of light pollution, install and position the lights controlled by this unit carefully to ensure that the light emitted does not encroach onto neighbouring properties.
- Optimal mounting height is 2.5m, however reliable detection is possible on mounting heights up to 4.0m.

INSTALLATION

We strongly recommend this light fitting is installed by a registered electrician

- Using a flat head screwdriver, carefully push in the side tabs to separate the mounting base from the main housing (Fig A).
- Pierce the power entry gasket on the base and slowly draw the cable through the entry hole. The cable entry gasket is engineered to fit 3x1.00mm or 3x1.50mm flat TPS cable to maintain IP rating. Any other cable dimension will not maintain IP rating and void the warranty.
- Firmly secure the base to the wall or ceiling using the mounting screws provided. Mounting holes located in the base are at 60mm centres.
- Engage hands-free process now for easier wiring (Fig. D)
- Connect the cable to the terminal block, ensuring correct polarity. Incorrect wiring may cause permanent damage to the lamp and sensor. A terminal for an earth parking is provided if required. Align the main housing with the base and push until it 'clicks' securely into place. (Fig B.)
- Adjust the base pivot to orientate the fitting with the sensor adjusters pointing downwards.
- Tighten thumb screw to secure. Adjust the spotlight head to illuminate the desired areas (see Fig. C for angling options).

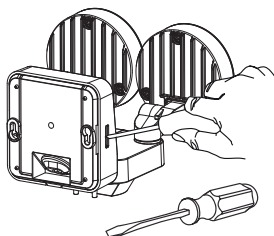


Fig A

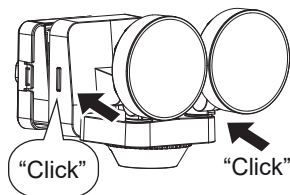


Fig B

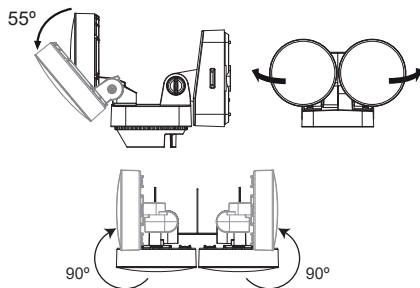
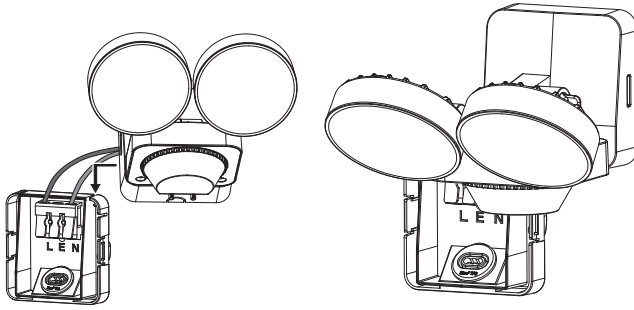


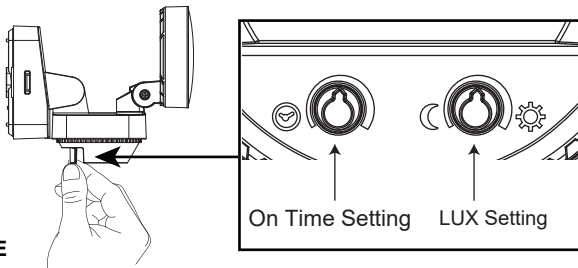
Fig C



Note:

In order to make the installation process HANDS-FREE, clip the unit to the upper corner of the wall plate during installation, preventing the unit from hanging mid-air.

Fig D



Note:

Sensor housing can pivot left and right 90deg to suit aiming direction needed.

Fig E

OPERATION

On initial power activation, the sensor goes through a warmup period of approx. 1min during which time the lights will be on. Do not adjust settings until this warm-up period has completed.

If you wish to have the main detection zone to the left or right rather than directly ahead, the entire sensor housing can be pivoted left or right by 90degrees. Rotate to aim the detection zone in your desired direction by gripping the side walls of sensor lens and pivot.

SETTING UP FOR AUTOMATIC OPERATION (Fig. E)

Viewing the dials from below the sensor, the **TIME** dial is on the Left, and the **LUX** dial is on the Right.

The **LUX** setting (sun and moon) controls the level of darkness required for the unit to start operating. To operate the sensor earlier, adjust the dusk control anti-clockwise. To operate the sensor later, adjust the dusk control clockwise. Wait for at least 1 minute between adjustments.

An easy way to set the sensor to your desired activation time is to set the dusk control fully anti-clockwise to start operating automatically after dusk, this is the earliest it will operate. Then wait until the ambient light level reaches the level of darkness at which you wish the lamp to become operative, The unit may trigger when the dusk control is adjusted, it will settle into normal sensing mode after 1 minute of inactivity. SLOWLY rotate the control in a clockwise direction until a point is reached where the lamp illuminates. Leave the control set at this point.

The **TIME** setting (Clock) controls how long the light remains on after motion is detected. The minimum time (fully anti-clockwise) is approx. 5 seconds, whilst the maximum time (fully clockwise) is approx. 10 minutes. Set the control to the desired setting between these limits.

PRODUCT COMPLIANCES

This light fixture complies to all applicable Standards for construction, both lamp and luminaire electrical safety and EMC/RFI suppression.

MANUFACTURERS EXTENDED WARRANTY

This product is guaranteed by SIMX Ltd for 3 years from the date of purchase against faulty materials or workmanship which affects its designed ability to operate. During this period if the product has a defect of this nature it will be repaired or replaced free of charge by SIMX with the same item, or a similar one of higher specification.

ON CONDITION THAT:

- The buyer returns it to the seller from whom it was bought, freight paid.
- The product has been bought by the user (ie. a receipt/sales invoice is produced as proof of purchase).
- The product has not been misused or handled carelessly, installed in any way contrary to the installation instructions, or installed in any unusually exposed or harsh environmental conditions.

This guarantee excludes liability for discolouration and/or delamination of paint or plastic, or any user serviceable parts. It does not confer any rights other than those expressly set out above and does not cover any claims for consequential loss or damage.

Our Goods come with guarantees that cannot be excluded under either Australian, or New Zealand, Consumer Law.

You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the Goods repaired or replaced if the Goods fail to be of acceptable quality and the failure does not amount to a major failure.



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