INSTALLATION INSTRUCTIONS

Simx
Lighting

SENSOR LED MAX
TWIN 2 x 8W LED SENSOR LIGHT
LHT0269 BLACK / LHT0270 WHITE

Thank you for purchasing the Simx Lighting Sensor LED Max sensor light. This product is suitable for sheltered exterior locations. It requires a 230V AC power supply to operate and should be installed by a registered electrician. Please read this manual before installation and retain for future reference.

TECHNICAL SPECIFICATIONS

Power Source		220-240V AC
Rated Load		17W max
Colour Temperature		3000K
Lumens (per lamp)		750 lumens
Light Beam Angle		95° to half-peak intensity
Detection Range		8m ± 2m
Detection Angle		140° at 3m
		90° at 8m
Time On Setting	Min	2-5 secs
	Max	4-6 mins
Dusk Control		Day to night (adjustable)
PIR Aiming Adjustment		Pan left and right 90°, tilt down and up 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 this light fitting is installed 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. An earth connection must be used for electrical safety.
Do not install during wet weather.

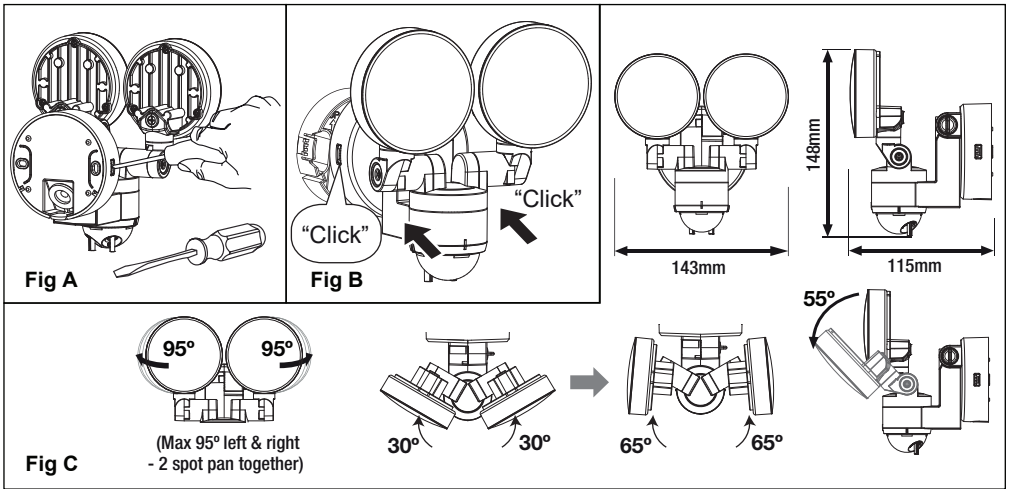Lighting loads connected must not exceed maximum listed in Technical Specifications.

To achieve best results, please consider the following points:
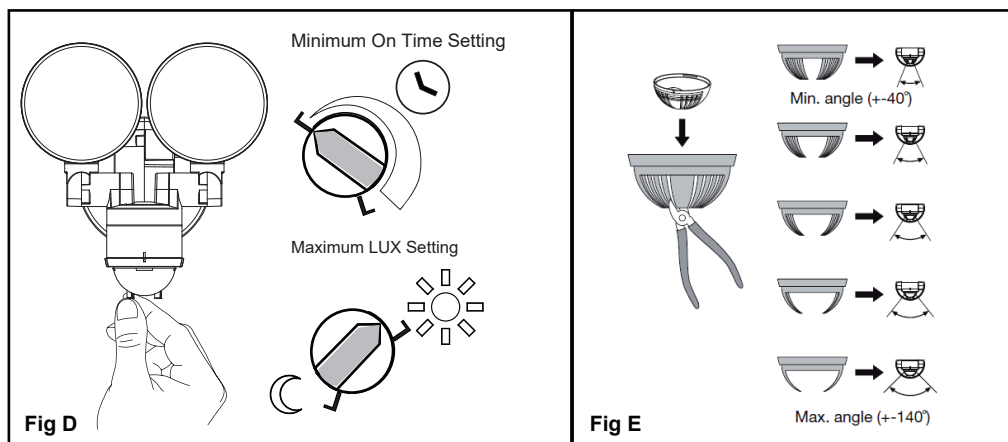
- To avoid false triggering, direct the sensor away from heat sources such as barbecues, air con, flue vents etc or reflective surfaces such as smooth white walls, swimming pools, etc. This sensor may operate abnormally in extreme weather conditions. This is not a fault and should resume normal operation when weather clears.
- Before selecting a place to install your Sensor LED Max sensor Light, 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 any lights controlled by this unit carefully to ensure that the light emitted does not encroach onto neighbouring properties.

INSTALLATION

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- Using a flat head screwdriver, carefully lever the side tabs to separate the mounting base from the main housing (Fig A).
- Pierce the power cable entry grommet on the mounting base and slowly draw the power cable through the entry hole. 0.75mm² - 1.5mm² round core cable is recommended.
- Firmly secure the base to the wall or ceiling using the mounting screws provided. Mounting holes located in the base are at 60mm centres.
- Wire the cable to the terminal block, ensuring correct polarity. Failure to do so will result in irreparable lamp and sensor failure. A terminal for an earth parking is provided if required. Relocate the main housing over the base and push together until it 'clicks' into finished position (Fig B.)
- Adjust the base pivot to orientate the fitting with the sensor adjusters pointing downwards.
- Tighten thumb screw to secure. Aim spotlight head to suit the locations (see Fig. C for angling options).

Fig A

Fig B
"Click"
"Click"

143mm
148mm
115mm

Fig C
95°   95°
(Max 95° left & right
- 2 spot pan together)
30°   30°
65°   65°
55°

Minimum On Time Setting

Maximum LUX Setting

Fig D

Min. angle (+-40°)

Max. angle (+-140°)

Fig E

OPERATION AND TESTING

WALK TESTING PROCEDURE

Adjust the sensor to point in the desired direction. Set the adjustment controls underside of the unit to the following to enable daytime operation for walk testing: **TIME** - Fully anti-clockwise **DUSK** - Fully clockwise.

The lamp will switch on for a "warm-up" period for 1 minute. Remain outside the detection area during the warm-up period. Walk across the detection area approx 5 metres from the unit. As you cross a detection "zone" the lamp will illuminate. Stand still until the lamp extinguishes (approx. 2 secs) then start moving again. As you cross each "zone" the lamp will illuminate.

Repeat the above, walking at various distances and angles to the unit. This will help you to establish the detection pattern. If the detection area is too small for your requirements, angle the sensor head up to increase the coverage distance. Angling the head downwards will reduce the range should a smaller coverage area be required.

SETTING UP FOR AUTOMATIC OPERATION (Fig. D)

The TIME setting (Clock) controls how long the unit remains illuminated following activation & after all motion ceases. The minimum time (fully anti-clockwise) is approx. 2 seconds, whilst the maximum time (fully clockwise) is approx. 6 minutes. Set the control to the desired setting between these limits.

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 at 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.

MASKING THE SENSOR LENS

To restrict the sensor coverage, preventing detection in unwanted areas, mask the sensor lens using the masks (included in kit). (Fig. E) Removing the largest centre segment provides a 40° detection area, while removing all segments provides maximum 140° angle. The mask clips into place.

Remove one segment at a time, aim, and check in walk test mode. Continue removing segments until correct coverage is achieved. The purpose of the lens mask is to block out areas not desired for detection. Apply to PIR lens as required for your location.

PRODUCT COMPLIANCES

Product complies with:

This product complies to all relevant standards and amendments.

MANUFACTURERS EXTENDED WARRANTY

This product is guaranteed by SIMX Ltd and Ventair Pty 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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Specifications are subject to change without notice   PUB1324 2303