MANUAL CONTROL (Override Function)

When power is first switched on, the PIR detector enters into the “WARM-UP” period for about 1 minute, then automatically switches into AUTO MODE.

Turning the wall switch off and on twice, within 3 seconds, will change from Auto Mode to Manual Mode. In MANUAL MODE, the Lamp(s) will remain ON, not affected by duration time and Lux control settings, after 8 hours, the lamp will change to AUTO MODE again.

To change it back to AUTO MODE, prior to this, turn the wall switch off and on twice in about 3 seconds (the same override used to go from AUTO to MANUAL mode.).

During MANUAL MODE or AUTO MODE, by switching off the ON/OFF main switch over 10 seconds and then on again, the PIR detector will reset to WARM-UP periods.

PRODUCT COMPLIANCES

Product complies with:

AS/NZS60598.1:2003 AS/NZS60598.2.1 AS/NZS C1SPR15:2011
AS/NZS61347 Pt 1, 2.11, 2.13 and relevant amendments

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 detect or switch. 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 anyway contrary to the installation instructions, used on a supply voltage other than that indicated in the product specifications, or installed in any unusually exposed or harsh environmental conditions.

This guarantee excludes liability for discolouration 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 the 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.

Simx

Distributed by: Simx Limited
Ph: +64 9 259 1660 | Technical Support Ph: +64 9 259 1662
Email: sales@simx.co.nz | www.simx.co.nz

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Simx reserves the right to alter technical specifications without prior warning.

INSTALLATION INSTRUCTIONS

Simx

LHT0244 BLACK / LHT0250 WHITE
Twin 8W LED Sensor Light

The Simx LED Eco Spot Sensor Light incorporates a PIR (Passive Infra Red) motion sensing device which continuously scans a preset operating zone and immediately switches the light on when it detects movement in that area. This product is suitable for exterior sheltered locations. It requires a 230V AC power supply to operate and should be installed by a registered electrician.

TECHNICAL SPECIFICATIONS

Power Source	220-240 V AC Class 1
Power Frequency	50Hz
Detection Range	12 metres max at 180°
Time Setting	Min: 10sec ± 5sec Max: 4min ± 1min
Dusk Control	Day to Night (adjustable)
PIR Aiming adjustment	Pan/Tilt
Sensitivity Control	Yes
PIR Switching Capacity	300W
Standby Power	1W (sensor head only) 16 Watt
Rated Load	
Lamp Type	CREE LED lamps
Lumens	1440 lumens (total)
Ingress Protection	IP44

ⓘ 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.

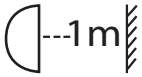
Always switch power off prior to installation. A means of mains power isolation must be installed in the circuit for the purpose of safe access for any internal cleaning, recalibration, or maintenance.

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.



The Simx LED EcoSpot should be wired to its own light switch. Do not interconnect with other lights on the same switch. An Earth connection must be used for electrical safety.

To achieve best results, please consider the following points:

Simx LED Eco Spot should be mounted 1.8 to 2.5 meters (6 to 8ft) above the ground.

To avoid false triggering, the sensor should be directed away from heat sources such as barbecues.

Do not aim towards reflective surfaces such as smooth white walls, swimming pools, etc.

The Simx LED Eco Spot scanning specifications will vary depending on the mounting height and location. The detection range of the unit may also alter with temperature change.

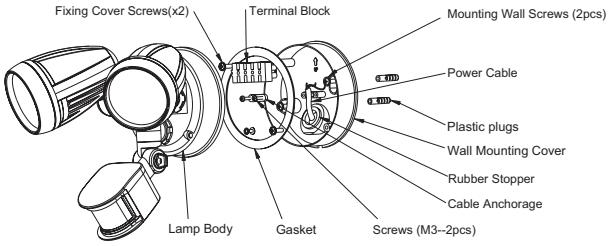
Before selecting a place to install your Simx LED Eco Spot, note that movement across the scan area is more effective than movement directly toward or away from the sensor.

The drain hole on the sensor must be pointed to the downward position during installation in order to meet the IP44 rating.

INSTALLATION

Switch off the power supply before commencing any electrical work.
Unscrew the fixing cover screws and remove the cover.
Remove the cable anchorage and terminal block.
Use the back of the plastic housing to mark the position of screw holes onto mounting surface.
Drill the wall to depth of about 4 cm and fit the wall plugs (supplied).
Care should be taken to avoid drilling or screwing into concealed electrical wiring/plumbing.
Push the cable through the cable gland. Affix the back of the housing to the mounting surface with mounting wall screws.
Connect the power cables to the terminal block securely (refer to Fig. 1). Re-fit the terminal block and cable anchorage.
Reattach and screw securely the cover to the base. Ensure cables are not pinched in closing the unit.
Test circuit and setup PIR settings (see below).

Fig. 1



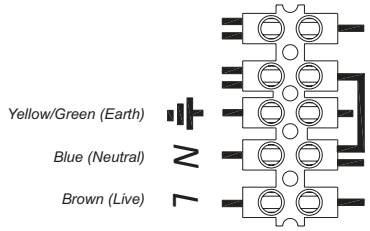
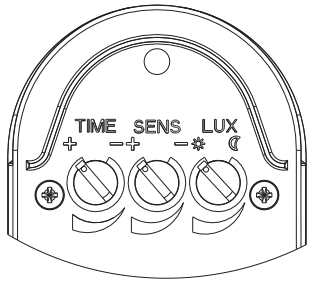


Fig. 2



CALIBRATION

The length of time the Simx LED Eco Spot remains switched on after activation can be adjusted from (10±5) seconds to (4±1) minutes. Rotating the TIME knob to (+) or (-) will adjust the duration time accordingly.
Note: Once the light has been triggered by the PIR sensor any subsequent detection will restart the timed period.

The sensitivity means the maximum distance which PIR Sensor can be triggered by motion. Adjusting the SENS knob from (+) to (-) will adjust the sensitivity.

The Lux control module has a built-in sensing device (photocell) that detects daylight and darkness.

The (☼) position indicates it will work at day and night, and in the (☽) position - only at night. Set dial to operate at the desired level by adjusting the LUX knob.

Setting up the sensor (refer to Fig. 2)

Turn the Lux control knob to light (☼) position, turn the wall switch on and wait 30 seconds for the control circuit to stabilize. Ensure that the TIME control is set at minimum.

Direct the sensor toward the desired area to be scanned by adjusting the elbow joint and swivel joint on the sensor arm

Have someone move across the centre of the area to be scanned and slowly adjust the angle of the sensor arm until the unit senses the movement and triggers as desired. Adjust SENS dial to alter distance.

Adjust the Time control to required setting.

If the lights are required to operate from dusk, wait for the desired light level, then slowly turn the LUX control knob towards daylight while someone walks across the centre of the detection area. When the lights switch on, release the LUX control knob. Set LUX control to suit your application.

Note: All PIR sensors are more sensitive in cold and dry weather than warmer weather
You may need to make further adjustments to achieve your ideal light level setting. To avoid dust build-up and ensure proper functioning of the Simx LED Eco Spot wipe the sensor lens lightly with a damp cloth every 3 months.

Before any aiming adjustments, switch Simx LED Eco Spot off and allow the hot lamp housings to cool. When adjusting lamp housings, ensure they are not touching or in close proximity (not less than 40mm) to sensor head, as heat from the lamp housing may impact operation of the PIR Sensor.