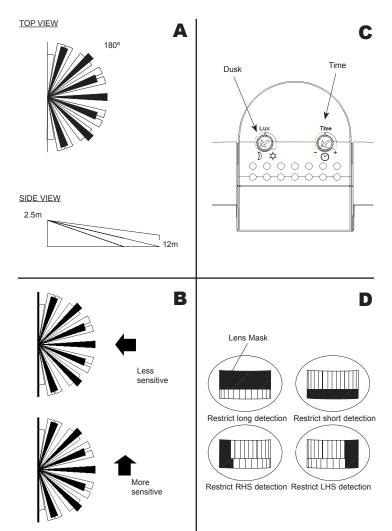






Also in white



SIMX WARRANTY INFORMATION



In this warranty:

We means Simx:

You means the consumer of the Goods

Supplier means the authorised distributor or retailer that sold you the Goods in New Zealand or Australia; and

Goods means the Simx product accompanied by this warranty and purchased in New Zealand or Australia.

The benefits provided to you under the following warranty are in addition to any other rights and remedies available to you under the law:

- If, during the time from the date of purchase (Warranty Period), there is a defect in the Goods due to improper workmanship or material, we will replace or repair the Goods without charge. Any replacement product is warranted only for the time remaining on the original Warranty Period.
- 2. We are not obliged to replace or repair the Goods under clause 1 if the Goods have been improperly stored, installed, connected, used, operated, repaired, damaged, abused, tampered with, altered (without our written approval), or not maintained in accordance with our recommended installation, connection and operating instructions.
- The warranty provided under clause 1 is limited to replacement or repair of the Goods only, at our option. To the extent permitted by law, we exclude liability for:
 - a) consequential loss or any other loss or damage caused to property or persons arising from any cause whatsoever;
 - b) damage to consumable items such as lamps and starters; and
 - c) damage arising from normal wear and tear.
- 4. In order to claim under this warranty you must, within the Warranty Period, return the Goods to the Supplier, together with the original proof of purchase including the details below:

Supplier Name	 	
Date Of Purchase		
Model Number		
Invoice/Receipt No.		

This warranty does not cover the cost of claiming under the warranty or transporting the Goods to and from the Supplier.

Our Goods come with guarantees that cannot be excluded under the Australian 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.

SECTION ONE GENERAL INFORMATION

The unit utilises passive infrared technology to detect heat radiation of moving human bodies. Upon detection, the attached lighting load will illuminate for a user-determined time period. An integral daylight sensor ensures night-only operation.

PARTS INCLUDED

- PIR Sensor unit.
- Instruction manual. Please keep safe for future reference.
- Accessory Pack.

TOOLS & PARTS NEEDED

- 3 core flexible cable
- Electric/hand-held drill & bits.
- Terminal or Electricians screwdriver
- Large slotted/philips screwdriver
- Wire cutters

This product is suitable for wall or ceiling mount.

Lighting loads connected must not exceed maximum 2000W tungsten halogen, 1000W Lighting incandescent or 500W flurescent. If it is intended to use this product with compact fluorescent energy saving lamps, we suggest the TIME setting is set to a minimum of 3 minutes. Do not attempt to install during wet weather, if you are suffering from nausea or dizzy spells or on medication with similar side effects. If in any doubt, consult a qualified tradesperson or electrician.

SECTION TWO SELECTING THE LOCATION

The motion detector has a number of detection zones, at various vertical and horizontal angles as shown (see diagram A).

A moving human body needs to cross/enter one of these zones to activate the sensor. The best all-round coverage is achieved with the unit mounted at the optimum height of 2.5m. Careful positioning of the sensor will be required to ensure optimum performance. See diagram A detailing detection range and direction.

The sensor is more sensitive to movement ACROSS its field of vision than to movement directly TOWARDS (see diagram B). Therefore position the unit so that the sensor looks ACROSS the likely approach path.

Avoid positioning the sensor where there are any sources of heat in the detection area (extractor fans, tumble dryer exhausts etc.) including opposite any other light sources such as other security lights.

Reflective surfaces (ie pools of water or white-painted walls) and overhanging branches may cause false activation under extreme conditions.

During extreme weather conditions the motion sensor may exhibit unusual behaviour. This does not indicate a fault with the sensor. Once normal weather conditions return, the sensor will resume normal operation.

LIGHT POLLUTION

To reduce the risk of light pollution, consider the following when installing the any lights controlled by this unit.

Position the light to ensure that the light emitted does not encroach onto neighbouring properties. Angle the floodlight downward to focus the illumination onto the ground, not into the sky. Consider using a lower wattage bulb to save energy and reduce high light output if not required.

SECTION THREE INSTALLATION

After choosing a suitable location (see previous section) install the unit as follows:

The unit is suitable for connection to a 240 V ac 50Hz electricity supply. It is suggested that 3-core round flexible cable of 1mm² gauge is used. An internal switch should be installed to switch the power to the unit ON & OFF. This allows the sensor to be easily switched off when not required or for maintenance purposes.

This product is designed to be mounted on walls or under eaves, see diagram E. The sensor can be rotated through 180 degrees to direct detection where required, decide on your location before installation.

Remove the unit from its packaging.

Unscrew the wiring box fixing screw shown on diagram F. This screw is captive, do not fully remove.

Detach the wiring box from the Sensor body.

Using the wall plate as a template, mark the position of the fitting holes. Drill the holes. Insert the wall plugs into the holes.

PIERCE & PASS THE CABLE(S) THROUGH THE GROMMET(S) BEFORE PROCEEDING. It is recommended that the grommet is pierced with a screwdriver to ensure a better seal.

Attach the mounting plate to the wall using screws provided. Do not overtighten the mounting screws as this could damage the unit. If using a power screwdriver, use the lowest torque setting.

This unit features an installation aid. Simply hang the Sensor onto the wall plate by use of the clip arrangement on the wall plate. See diagram H. This allows you to use your hands to hold the screwdriver, and install the incoming cables with ease.

Connect the incoming and outgoing cables as follows

*** IMPORTANT ***

Switch off the electricity at the fuse box by removing the relevant fuse or switching off the circuit breaker before proceeding with the installation.

CONNECTION

Connect the **mains supply cable** to the terminal block on the unit as follows (see connection diagram):

NEUTRAL (Blue) N
EARTH (Green/Yellow)
LIVE (Brown) L

Connect the **cable from the lighting load(s)** to the terminal block on the unit as follows (see connection diagram):

NEUTRAL (Blue)

EARTH (Green/Yellow)

LIVE (Brown)

LIVE (Brown)

Ensure that all connections are secure.

Ensure the terminal block is attached to its mounting posts in the sensor body.

Un-hook the sensor unit from the wall plate and re-attach to the wall plate box as follows:-

Ensure no wires are trapped.

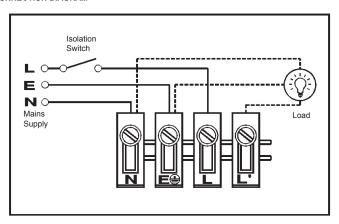
Align the sensor centrally over the wiring box and attach the top edge of the sensor to the wall plate, see diagram I. There will be an audible click indicating that the top clips are located into the wallolate.

Slowly rotate the sensor body downwards and and ensure no wires are trapped, the lower edge of the unit will locate into the wallplate.

Fullly tighten the fixing screw. See diagram F.

Installation is complete.

CONNECTION DIAGRAM



MANUAL OVERRIDE MODE

The light can be switched on for longer time periods by use of the **Manual Override Mode**. This can be activated at night by using the internal wall switch or circuit breaker.

Switch the internal wall switch/circuit breaker twice (off/on off/on) within 2 seconds. The unit will now illuminate continuously until dawn or until it is switched back into **Auto Mode**.

To switch the unit back into **Auto Mode**, flick the internal wall switch/circuit breaker off/on once within 1 seconds. The unit will return to **Auto Mode**.

SECTION FOUR OPERATION AND TESTING

WALK TESTING PROCEDURE

The sensor will tilt forward or backward. Adjust the sensor to point in the desired direction.

Set the two adjustment controls on the underside of the unit (diagram C) to the following positions:

TIME - Fully anti-clockwise

DUSK - Fully anti-clockwise

The unit will now operate during daytime as well as at night, illuminating the lamp for approx. 5 seconds each time. This allows testing to be carried out to establish the best position for the sensor. The lamp will immediately illuminate as the unit goes through its "warm-up" period. After approximately 1 minute the lamp will extinguish. Try to 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. Now stand still until the lamp extinguishes (this should take approx. 5 seconds).

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, try angling the sensor head up. This will increase the coverage distance. Angling the head downwards will reduce the range should a smaller coverage area be required.

SETTING UP FOR AUTOMATIC OPERATION

When walk tests are complete, and there is no motion detected, the unit switches to automatic sensing.

The TIME setting controls how long the unit remains illuminated following activation & after all motion ceases. The minimum time (fully anti-clockwise) is approx. 5 seconds, whilst the maximum time (fully clockwise) is approx. 5 minutes. Set the control to the desired setting between these limits.

The DUSK control determines the level of darkness required for the unit to start operating. The setting is best achieved by the procedure below(wait for 1 minute before adjusting): Set the DUSK control knob fully anti-clockwise. The unit will now start operating at dusk. If you require the light to activate earlier, wait until the ambient light level reaches the level of darkness at which you wish the lamp to become operative, 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 unit may operate when the dusk control is adjusted.

Please wait until the unit resets before making further adjustments. If the unit operates after dusk setting is done, stop movement for 1 minute. The unit will then settle into normal sensing mode. At this position, the unit should become operative at approximately the same level of darkness each evening. Observe the operation of the unit. If the unit is starting to operate too early (ie. when it is quite light), adjust the control slightly anti-clockwise. If the unit starts to operate too late (ie. dusk), adjust the control slightly clockwise.

Continue to adjust until the unit operates as desired.

MASKING THE SENSOR LENS

To restrict the sensor coverage, preventing detection in unwanted areas, mask the sensor lens using the masks provided in the accessory pack(see diagram H). For your information, the top section of the lens covers long range detection, the bottom covers short range. Similarly the left and right lens sections cover the left and right detection areas respectively.

SECTION FIVE

TECHNICAL SPECIFICATIONS

Detection Range Up to 12 metres

Detection Angle 180°

Power Supply 240 V AC ~ 50Hz

Maximum Switchable Load 2000W (4 x 500W) Tungsten Halogen

1000W (10 x 100W GLS) Incandescent

500W Fluorescent

Time On Adjustment 5 seconds - 5 minutes

Dusk Level Adjustment Day & night or night only operation

Environmental Protection IP44 (suitable for outdoor use)

Warranty 3 years

If you experience problems refer to Troubleshooting Guide. If problems still exist, do not immediately return the unit to store.

Telephone the Simx Customer Helpline

NZL: 64 9 259 1662 Weekdays 9.00am - 5.00pm

Email: sales@simx.co.nz Website: www.simx.co.nz
Email: sales@simx.com.au Website: www.simxlighting.com.au

6 5468

Qualified Customer Support Co-ordinators will be on-line to assist in resolving your query.

IMPORTANT INFORMATION: LIGHT POLLUTION & CONSIDERATE LIGHTING

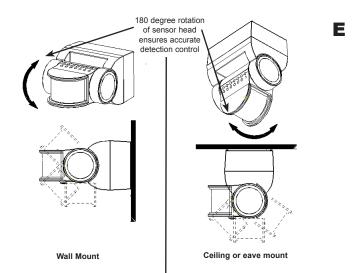
Please be aware of the annoyance over-lighting an area can cause to your immediate neighbours.

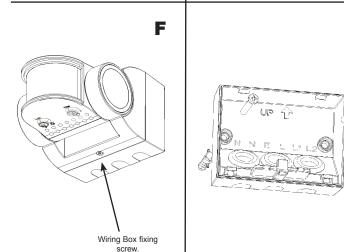
Light pollution caused by incorrectly installing a unit or over-lighting an area can be limited by carefully considering the location and position of your unit before installation. The light spead on all halogen floodlights can be reduced by angling the floorlight downwards on the mounting bracket. This will also concentrate the light on your property and limit the potential inconvenience of the light shining into your neighbours windows etc.

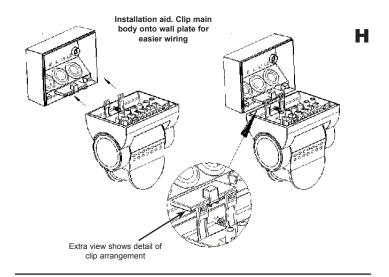
Please see **Selecting a Location** for information on choosing the optimum location for your security light.

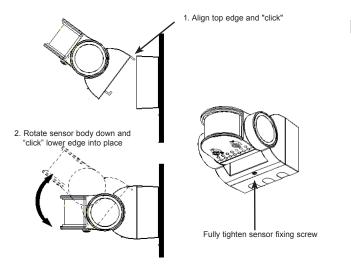
*** IMPORTANT ***

Simx advises and recommends that this product should be installed by a register electrician









SECTION SIX TROUBLESHOOTING GUIDE

PROBLEM	SOLUTION
☐ Lamp stays ON all the time at night.	Cover PIR lens with a thick cloth. If the light turns out, check detection area for heat or reflective source. If the light stays on, check wiring. See Section 3.
☐ PIR keeps activating for no reason / at random.	Reset unit. Leave for a maximum of 5 minutes. If light activates, check area for false activation from heat or reflective source.
☐ PIR sensor will not operate at all.	Check that the power is switched ON at the circuit breaker/internal wall switch.
	Turn OFF the power to the unit and check the wiring connections.
	Check the lamp. If the lamp has failed, replace. Ensure that the lamp is seated correctly in the lampholder. Please note that the unit will not detect through glass.
☐ The PIR sensor will not operate at night.	The level of ambient light in the area may be too bright to allow operation at the current DUSK setting. During the hours of darkness, adjust the DUSK control slowly clockwise until the lamp illuminates. Refer to previous section for more details.
☐ Unit activates during the daytime	Adjust the setting anti-clockwise to lower the level of ambient light required for activation.
☐ PIR coverage is poor/ sporadic	Unit may be poorly located. See previous section - 'Selecting The Location' and re-locate the unit.
☐ Detection range varies from day to day	PIR sensors are influenced by climatic conditions. The colder the ambient temperature, the more effective the sensor will be. You may need to make seasonal adjustments to the sensor head position to ensure trouble-free operation all year round.