

SETTINGS

Setting up the sensor (Fig. 2)

To enter calibration mode, turn the LUX control knob to light (☀) position, turn the wall switch on and wait 30 seconds for the control circuit to stabilise. Ensure TIME control is set to minimum (-)

Have another person move across the desired perimeter of the area to be scanned and slowly adjust the SENS knob until the unit activates. Note reducing SENS will reduce both normal and occupancy zones.

To set the light level at which the lights will automatically switch “on” at night, turn the LUX control knob from daylight (☀) to night (☾). If the lights are required to switch on earlier (eg. Dusk, wait for desired light level, and then slowly turn the LUX control knob towards daylight while someone walks across the center of the area to be detected. When the lights activate, release the LUX control knob).

Once LUX and SENS are calibrated, set TIME to suit site requirements.

MANUAL OVERRIDE

The circuit can be switched on for an 8 hour period by using the Manual override. Operation in this mode bypasses the PIR sensor. This can be activated at any time by using the internal wall switch or circuit breaker.

Toggle the internal wall switch/circuit breaker twice (off/on/off/on) within 3 seconds. The circuit will now be switched on continuously for 8 hours or until switched back to AUTO mode.

To switch the unit back to AUTO mode, toggle the internal wall switch/circuit breaker twice (off/on/off/on) within 3 seconds (Same operation as activating Manual Override). The unit will return to AUTO mode

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

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INSTALLATION INSTRUCTIONS



360° PIR SENSOR DUAL MOUNT LHT0179

Thank you for purchasing the Simx Lighting 360° PIR sensor. 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	
Max Rated Load	2000W ~ incandescent bulb (resistive)	
	600W ~ fluorescent lamps (inductive)	
	300W ~ light emitting diode (LED)	
Detection Height/Function	Max. Ø22m Tangential Detection – across the sensor	
	Max. Ø6m Radial Detection – towards the sensor	
Time On Setting	Min	10 sec ± 5 sec
	Max	40 min ± 5 min
Dusk Control	2-2000 lux day to night (adjustable)	
IP Rating	IP44 - surface mounted	
	IP20 - recess mounted	
Mounting	Ceiling mount only	

! IMPORTANT

This product is suitable for use only with a supply voltage of 220-240V AC 50/60Hz.

All electrical work must be carried out in accordance with local and national electrical codes as applicable. We strongly recommend that this product is installed by a registered electrician.

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

This product 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 the 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.

Do not insert objects into the air outlets. Doing so may be hazardous and could result in electrical shock. Do not obstruct the air inlets or outlets in anyway. Service hand dryer at regular intervals.

BEFORE YOU START

Please read all the instructions prior to installation.

The PIR sensor offers presence detection up to 22m diameter for extra wide spacing. High sensitivity occupancy zone detects smaller movement and the versatile dual mount unit allows for convenience in both surface and recess applications. Do not exceed the max rated load listed in technical specifications.

To achieve best results, please consider the following points:

- This PIR sensor has a normal detection range in open space of max 22m diameter. As this detection zone is circular, please ensure an adequate overlap in your layout to eliminate dead-zones.
- This PIR Sensor has a high sensitivity Occupancy Zone of 8m diameter. In this zone, the sensor will detect small movement to activate lights or keep those lights illuminated.

INSTALLATION

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

- Switch off the power supply before commencing any electrical work.

RECESS MOUNTING TO CEILING

- Unscrew the cable clamp, remove the junction box and terminal block. If recessing, the surface mount base piece can be discarded in the recycling bin as it is not required.
- Connect circuit wiring to the terminal block as per Wiring Diagram. Refit the terminal block, junction box and cable clamp. (Fig. 3)
- Fit springs, carefully lift the spring clips into the 82-88mm diameter hole, and recess the PIR to the ceiling. (Fig. 4)
- The spring clips will secure the unit. Refit the front cover. (Fig. 5)

SURFACE MOUNT

- Remove the cover (twist). Unscrew the cable clamp, and remove the Junction Box and Terminal Block.
- Use the Base as a template to mark the screw holes into the ceiling. Pre-drill the lining to depth of 35mm and fit the plastic plugs (not supplied), and then securely affix the Base using mounting wall screws (not supplied). Care should be taken to avoid drilling into any concealed wiring.
- Connect circuit wiring to the terminal block as labelled. (Fig. 6)
- Secure the Junction box & Terminal block to the PIR and tighten cable clamp over Mains Cable. (Fig. 7)
- Carefully align the male terminal pins, click the PIR body onto the Base then re-fit the front cover. (Fig. 8)

Fig. 1 DETECTION ZONES FOR CEILING MOUNTING

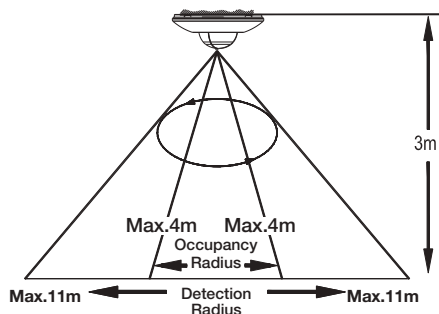
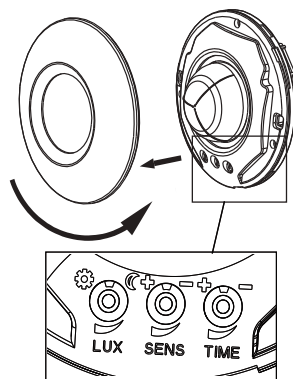


Fig. 2



RECESS MOUNT

Fig. 3

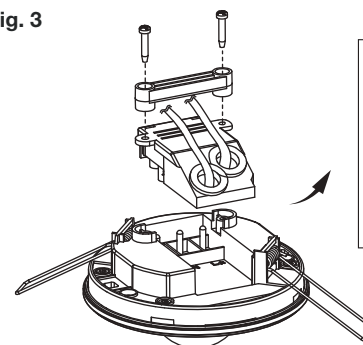


Fig. 4

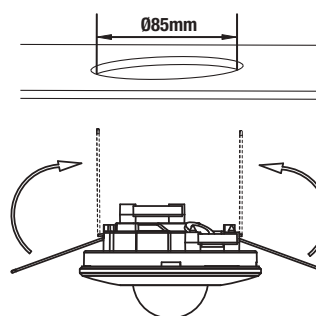
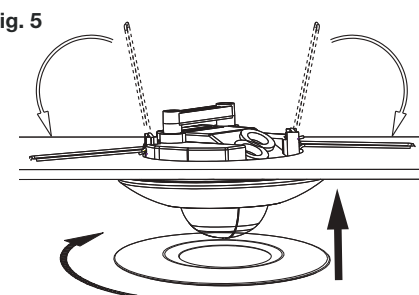


Fig. 5



SURFACE MOUNT

Fig. 6

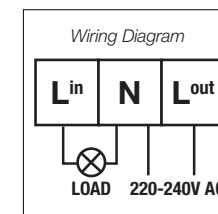


Fig. 7

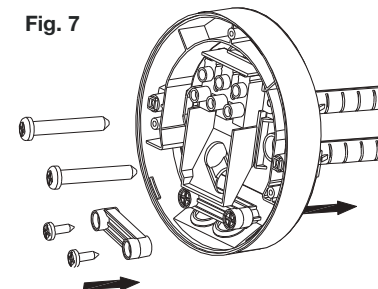
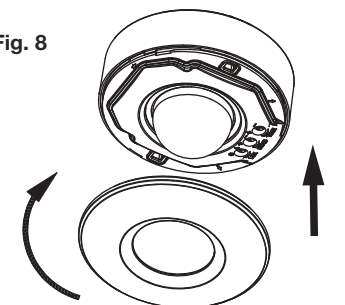


Fig. 8



SETTINGS

Controls are located under the front cover as per (Fig. 2) The length of time attached lamps remain switched on after activation can be adjusted from 10 seconds (± 5 seconds) to 40 minutes (± 5 minutes). Rotating the TIME control 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.

(Fig. 1) Shows the maximum distance which PIR Sensor can be triggered by motion. Adjusting the SENS control from (+) to (-) will adjust the sensitivity and range of both occupancy zones.

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 control.