INSTALLATION INSTRUCTIONS

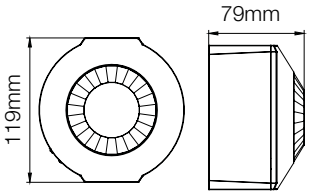
DECOSENSE APEX
Surface-mount PIR Sensor
LHT1252

Thank you for purchasing this Simx Lighting DECOSENSE APEX sensor. This product is suitable for installation in exposed outdoor and wet locations. It operates on a 230 V AC power supply and should be installed by a registered electrician. **An accessible 2.4 GHz Wi-Fi network is required to configure settings through the SmartLife app.**

TECHNICAL SPECIFICATIONS

Power Source	220 - 240V, 50 Hz
Detection Range	Max 28m diameter, 360°
Light-on Adjustment	20-1000 lux
Switch-off Delay	5 - 90 mins
Sensitivity Adjustment	High, Medium, Low
Manual Override	Yes, 8hr (default)
Standby Power	Max 0.5W
Maximum Switchable Load	2000W Incandescent (Resistive)
	300W LED (PF>0.9)
Parallel Connection	Unlimited
Protection Rating	IP65, IK08 (excluding lens)
Safety	Class II
Operating Temperature	-5°C to +40°C
Mounting Height	Surface Mount, up to 20 m
Conduit Cut-out Guides	Ø16, Ø20, Ø25 mm
Warranty	3 Years





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 sensor 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 to allow safe access for any internal cleaning or maintenance.

This sensor 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.

- An accessible 2.4GHz network is required to configure sensor settings. Physical interaction with each sensor to initiate pairing is required only for the first connection.

To achieve the best detection results, consider the following:

- Select a mounting location where movement is likely to occur across the detection zone rather than directly towards or away from the sensor.
- The maximum detection diameter varies depending on the mounting height (Fig. 1).
- To avoid false triggering, the sensor should be installed away from heat sources such as heaters, air conditioning units, flue vents, etc. Maintain a minimum separation distance of 3.0 metres from Wi-Fi routers and CCTV cameras to prevent RF interference between devices.
- Avoid locating above highly reflective surfaces such as smooth white walls, swimming pools, etc.

INSTALLATION

We strongly recommend that this sensor is installed by a registered electrician.

Switch off the power supply before commencing any electrical work.

The housing assembly is shown in Fig. 2.

Use the surface-mount base as a template for drilling the mounting and power cable holes.

Care should be taken to avoid drilling or cutting into concealed electrical wiring or plumbing.

For conduit mounting, drill out the access point guides in the housing. Ensure all cable entries are appropriately sealed to maintain the sensor's IP65 protection rating (Fig. 3).

Fig. 1 **Detection Range According to Mounting Height**

Mh	Detection Range
5m	Ø10m
10m	Ø18m
15m	Ø24m
20m	Ø28m

Fig. 2 **Housing Assembly**

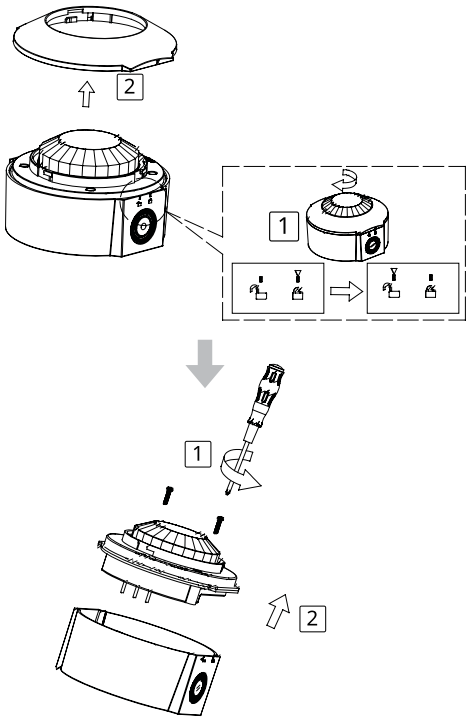
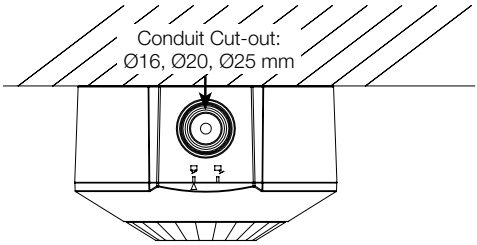


Fig. 3



WIRING

Standard connection

Connect the mains supply cable to the terminal block in accordance with the diagram in Fig. 4.

Maximum cable size: 2.5mm².

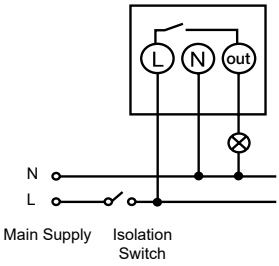
When connecting multiple sensors to a single circuit, wire the sensors in parallel. The maximum direct switching capacity remains unchanged.

Reassemble the housing. Reconnect the power supply and test the circuit.

Factory default settings: 200 lux, 5 mins switch-off delay, high sensitivity.

Modifying default settings is only possible through the SmartLife App.

Fig. 4 **Electrical Termination**



PRODUCT COMPLIANCE

This product complies with all applicable standards for construction, electrical safety and EMC/RFI suppression.

MANUFACTURER'S EXTENDED WARRANTY

This product is guaranteed by SIMX Ltd for 36 MONTHS 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 i.e. 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 or fading of plastic.

This product does not have any user-replaceable 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 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 Lighting

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SMARTLIFE APP MANUAL

SmartLife

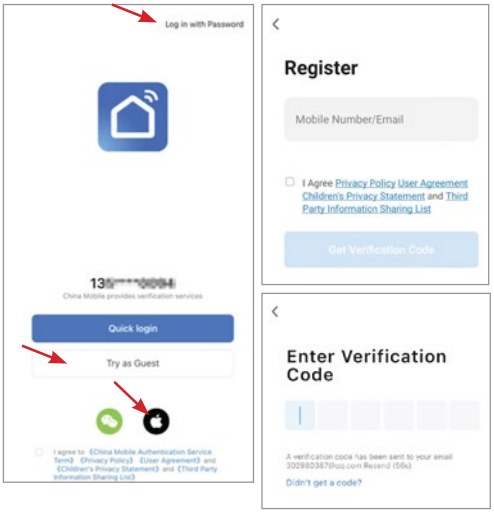
This manual guides you in setting up and configuring the DECOSENSE APEX PIR Sensor using the SmartLife App.

The app allows you to adjust the lux threshold, PIR sensitivity, switch-off delay, and other sensor settings to suit the site.

DOWNLOAD AND SIGN IN

1. Download the **SmartLife** app from the Apple App Store or Google Play.
2. Open the app and **register** a new account or **log in** to an existing account.
3. **Guest access** is also available. However, some features, including device sharing, cloud storage and third-party voice control, are not available in Guest mode.

For account or biometric login settings, go to Me > Settings > Account and Security. This offers restricted access to account holders to make any site.

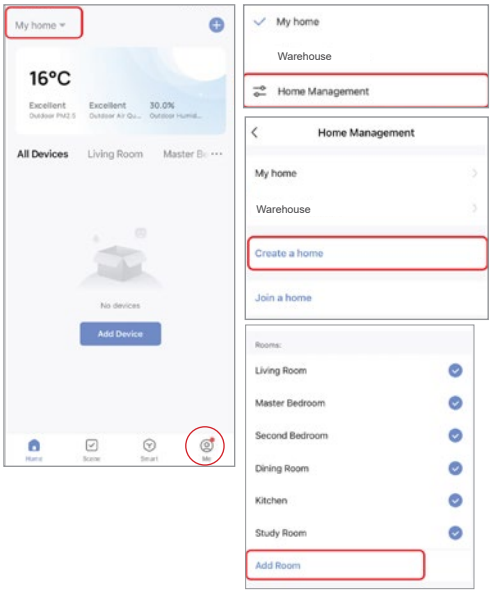


CREATE A SITE

In the SmartLife app, each installation site is configured as a separate **Home**.

1. Tap **Me > Home Management > Create a home.**
2. Enter a Home name for the site.
3. Tap **Location** and confirm the site location on the map.
4. Select the required **rooms** or tap **Add Room** to personalise the installation site.
5. Give each room a clear name that matches the installation, such as **Warehouse, Loading Bay, Office, etc.**
6. Delete unused rooms as required.
7. Save the Home.

To switch between installation sites, tap **the current Home name** at the top of the Home page and select the required site.

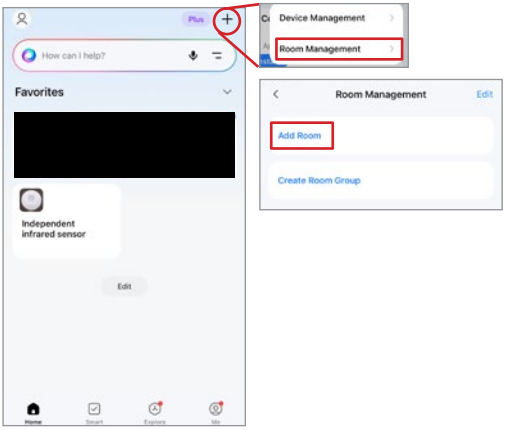


SET UP ROOMS

Create a unique location for each sensor before pairing the sensors. This makes each sensor easier to identify during and after setup.

1. Open **Favorites > Room Management.**
2. Tap **Add Room**.
3. Select the room added in the previous step.
4. Repeat for each required location.

For example:
Warehouse Aisle 1 Position 1
Warehouse Aisle 1 Position 2
Warehouse Aisle 1 Position 3

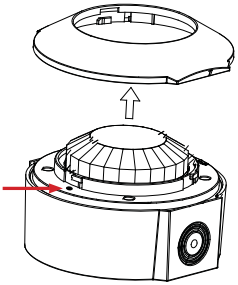


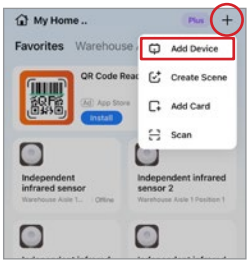
PAIR A SENSOR

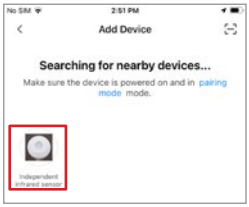
The DECOSENSE APEX connects to a **2.4 GHz** Wi-Fi network **only.** Physical interaction with each sensor to initiate pairing is required only for the first connection.

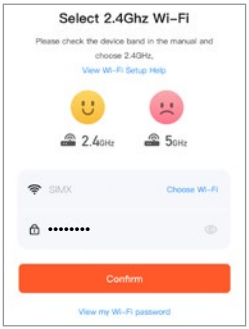
1. Ensure the sensor is correctly wired and switch on the 230 V AC supply. Allow approximately 30 seconds for the sensor to initialise, indicated by a slow double-flashing red LED.
2. Using a suitable tool, **press and hold the recessed pairing button** beneath the front bezel for approximately **5 seconds.**
3. **The red LED will flash rapidly** to indicate that the sensor is in pairing mode. Pairing mode remains active for approximately **3 minutes**.
4. On the SmartLife Home page, tap **+** > **Add Device.**
5. Wait for **Independent Infrared Sensor** to appear, then tap it.
6. Select the local **2.4 GHz Wi-Fi network**, enter the Wi-Fi password and tap **Confirm**.
7. Wait for **Device Added Successfully,** then tap **Done**.
8. Assign the sensor to the appropriate room and give it a clear name.

Repeat these steps for each sensor.



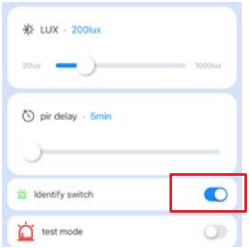






IDENTIFYING A SENSOR

Use the **Identify Switch** on the **Sensor Control Page** to identify a specific sensor. When activated, the sensor's red LED will flash, making it easy to locate the sensor being configured.





SENSOR CONTROLS

Open the sensor from the SmartLife **Home page** to access its controls.

Device Control Mode
Select **PIR Auto Control** for normal motion-sensor operation or **Manual Control*** for manual switching.

PIR Switch
Enables or disables motion detection when the sensor is in PIR Auto Control mode.

Light Switch
In Manual Control mode, use this switch to turn the connected load on or off.

PIR State
Displays the current motion detection status.
NONE: No motion detected.
HUMAN MOTION DETECTED: Motion detected.

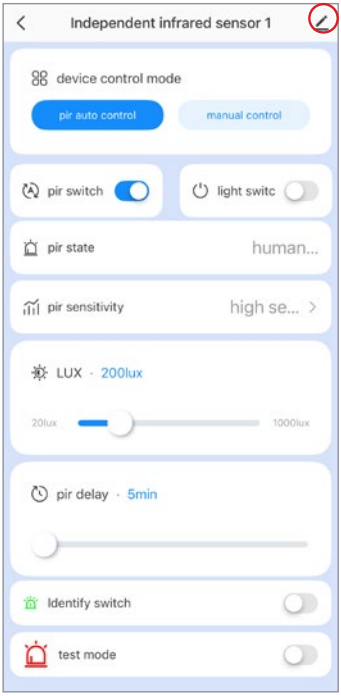
PIR Sensitivity
Adjusts the sensor's detection sensitivity and effective detection diameter. The available settings are:
High: 100% of the maximum detection diameter.
Medium: 65% of the maximum detection diameter.
Low: 35% of the maximum detection diameter.
Refer to Fig. 1 for the maximum detection diameter at each mounting height.

LUX
Sets the ambient light threshold between **20 and 1000 lux.** In PIR Auto Control mode, the connected lighting activates when motion is detected and the ambient light level is below the selected threshold.

PIR Delay
Adjusts the switch-off delay from **5 to 90 minutes.** The timer resets each time motion is detected, keeping the connected lighting on until no further motion is detected for the selected duration.

Identify Switch
Makes the sensor's red LED double-flash to help identify the sensor being configured. This function automatically switches off after **15 seconds.**

Test Mode
Switches the connected load on or off for testing the lighting connected to a specific sensor.



FACTORY DEFAULT SETTINGS
200 lux threshold
5-minute switch-off delay
High sensitivity

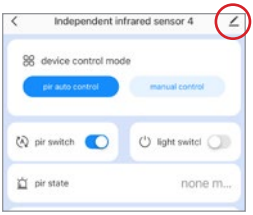
***Manual Override Control Options**

There are two options to engage manual override.

1. By switching the wall switch OFF-ON-OFF-ON, the connected load enters an 8 hour manual mode, then reverts back to the 'Device Control Mode' as set in the App. Repeating the wall switch process disables manual mode immediately. App operation during this override will not be effective.
2. In the App, change 'Device Control Mode' to Manual Control, and engage the light switch directly below that to engage On and Off state. The connected load will stay on as long as the App setting remains in place.

RENAME OR RELOCATE A SENSOR

1. Open the **Sensor Control** page.
2. Tap the **pen (Edit)** icon in the top-right corner.
3. Change the sensor name or assigned room location as required.





DEVICE SHARING:

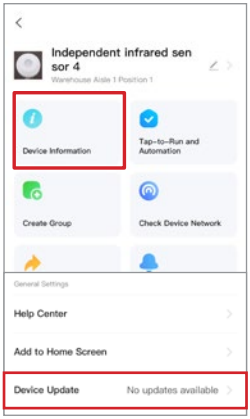
To give another person access to a site, open:

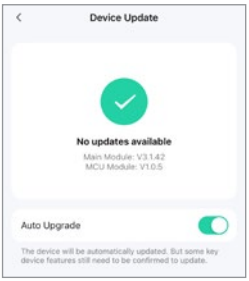
Home Management > [Home name] > Add Member

The invited user will receive an invitation in the SmartLife app.

DEVICE UPDATE

1. Open the **Sensor Control** page.
2. Tap the **pen (Edit)** icon in the top-right corner.
3. Scroll to the bottom of the settings page and tap **Device Update**.
4. If an update is available, follow the on-screen instructions to install it.
5. Enable **Auto Upgrade** if you want the sensor to install future firmware updates automatically when available.





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