SUNRICHER

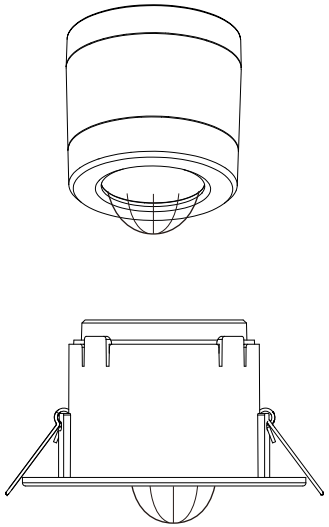
INGY

# Ceiling Mounted AC PIR Sensor

## SR-IG9030D-PIR-10A

## Features

- Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDB
- In typical indoor environment, the typical range for wireless communication is 20m to 25m . Actual range is dependent on field installation.
- On-board antenna
- 5 years warranty



* With Recessed-Mounted Kit

## Parameters

| Input & Output Characteristics | |
|---|---|
| Operating voltage | 220~240VAC 50/60Hz |
| Stand-by power | <0.5W |
| Relay | Max.10A, 400W LED |

| Environment Parameters | |
|---|---|
| Operation temperature | Ta: -20°C ~ +50 °C |
| IP rating | IP44 ( Front-face ) |
| | IP44 (With surface mount kit) |

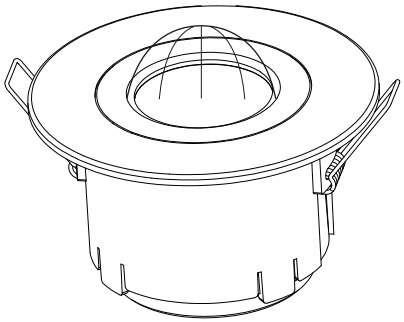
| Safety & EMC | |
|---|---|
| EMC standard (EMC) | EN55015, EN61000, EN61547 |
| Safety standard (LVD) | EN60669-1, EN60669-2-1 AS/NZS60669-1/-2-1 |
| RED | EN300328, EN301489-1/-17 |
| Certication | ENEC, CE , EMC, RED, RCM |

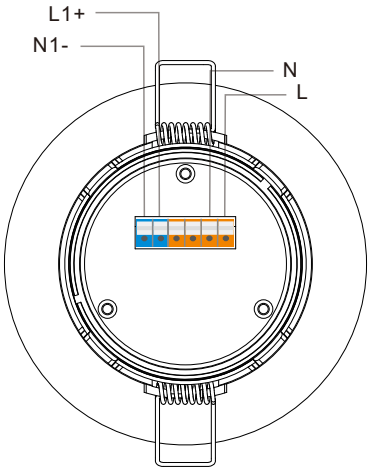
| Mechanical Data | |
|---|---|
| Dimension | φ90*52mm |
| Material | Flame-retardant/ABS |
| Protection Class | Class II |

| Sensing | |
|---|---|
| Movement detection | Max.8m @ 3m height |
| Installation | Max.5m |

| Connectors | |
|---|---|
| Terminal block/Wire size | 0.5mm² - 2.5mm² solid or stranded |
| Wire strip length | 6-7mm |

## Product info






CE RoHS COMPLIANT

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SR-IG9032A-PIR-10A

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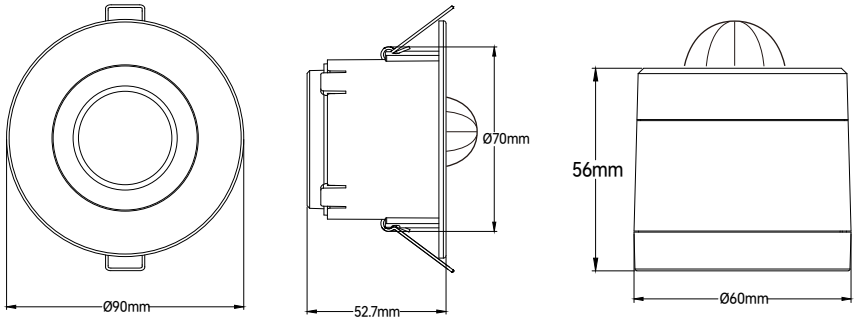
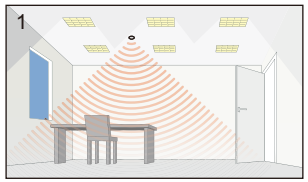
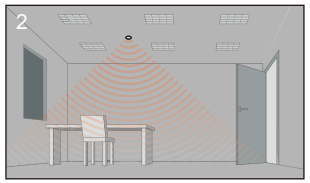
## Dimension



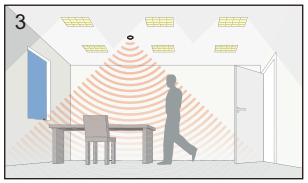

## Application




1. Power up the sensor. The load should come on immediately.



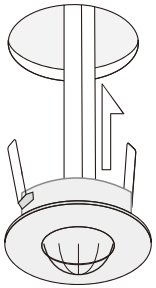

2. Vacate the room or remain very still and wait for the load to switch off .



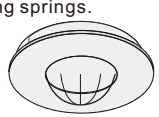

3. Enter the room or make some movement and check that the load switches on.

PRECAUTIONS

- Do not place the SENSOR near heat sources, fans or in ventilated ceiling voids.
- Do not place close to, or positioned such that, any light source points directly into the SENSOR.
- Ensure wires and cables are securely held within the connection terminals.
- Disconnect the SENSOR from the circuit before performing insulation testing of the wiring circuit.

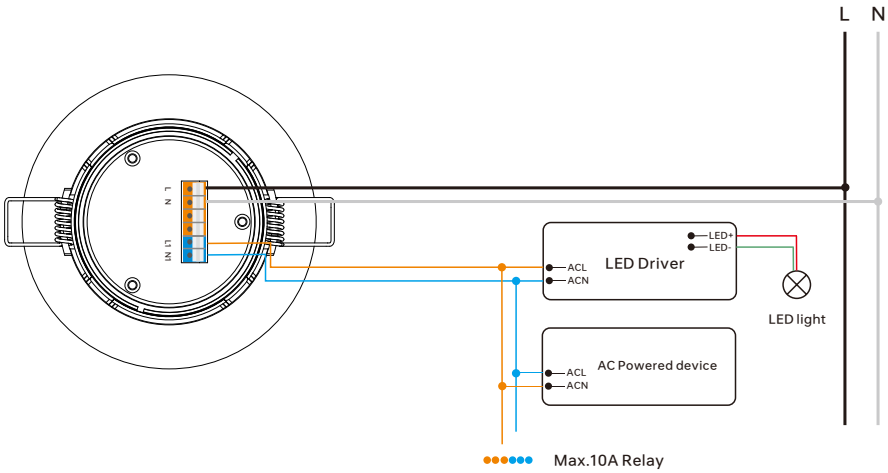


Bend the springs up and push detector through hole in ceiling. When fully inserted the springs snap back to hold the device in place.To avoid injury, take care when bending springs.



Installation complete.

## Wiring




## Specification

### ENERGY SAVINGS

- Occupancy/Vacancy detection

### COMFORT & CONVENIENCE

- Advanced occupancy detections
- Personalized setting profile
- Work with kinetic switch keypad

### ENVIRONMENT & APPROBATION

- Operating temperature: 0°C to 45°C
- Warranty: 5 years

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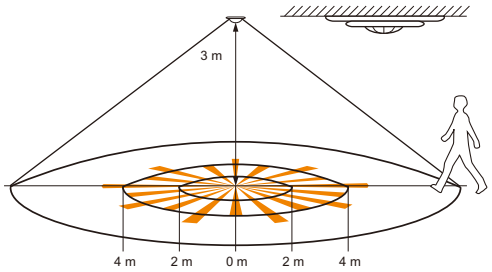
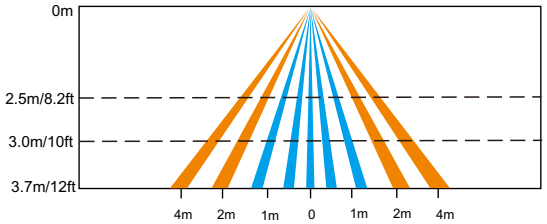
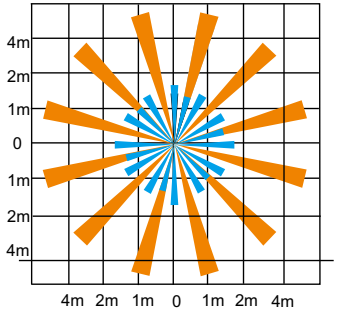
## Detection Pattern




Coverage Side View




Coverage Top View

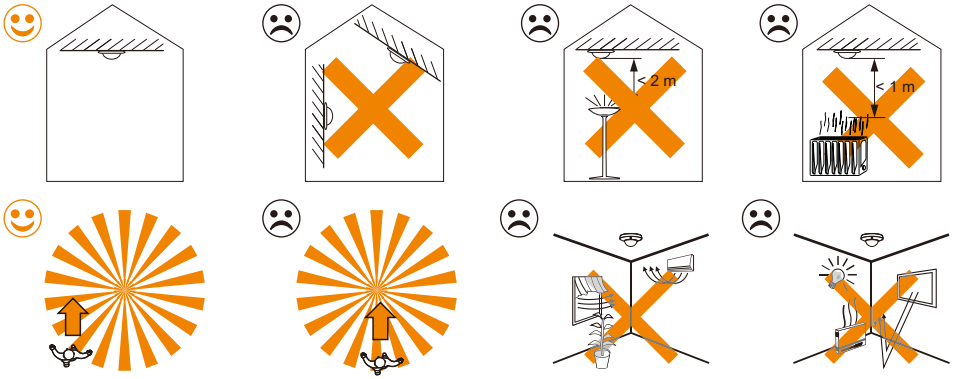



The detection area for movement can be roughly divided into two parts:

Slow movement (person moving < 1.0'/s or 0.3m/s)

Quick movement (person moving > 1.3'/s or 0.4m/s)

## Demos




## Warning

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

**Update Log**

| Date | Version | Update Content | Update by |
|---|---|---|---|
| 2024-3-29 | V1.0 | Initial Version | Romeo |

Subject to change without notice. Please contact us if you have any questions.