TROUBLESHOOTING

The load does not operate

1. Check that the power supply and load wiring are correct.
2. Confirm the load (lamp) is functioning properly.
3. Ensure the LUX setting matches the ambient light conditions.

Poor sensitivity

1. Check for obstructions in front of the sensor.
2. Ensure ambient temperature is not excessively high.
3. Confirm that movement occurs within the detection area.
4. Verify installation height is between 2.2–4m.
5. Ensure movement crosses the detection zone rather than approaching directly.

The load does not switch off automatically

1. Check for continuous movement within the detection field.
2. Ensure the TIME setting is not at maximum.
3. Confirm installation height is 2.2–4m.

SUPPORT

Visit kasta.com.au

Contact: (02) 9168 5900
info@kasta.com.au

DISCLAIMERS

1. This product must be installed and used as per these instructions.
2. The IP rating of this product is only valid when installed on a flat and non-porous surface. Additional sealing may be required for irregular surfaces.
3. This product must be used with the loads specified only.
4. This product contains no serviceable parts.
5. This product is not suitable for installation in hazardous and/or corrosive areas.
6. This product has been designed to operate in ambient temperatures -10°C to 40°C.
7. Extended exposure to UV rays (such as exposure to direct sunlight) may cause discolouration of this product.
8. The material in this product may vary in colour from batch to batch. Colour matching from one batch to another cannot be guaranteed.

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KASTA

Installation Guide

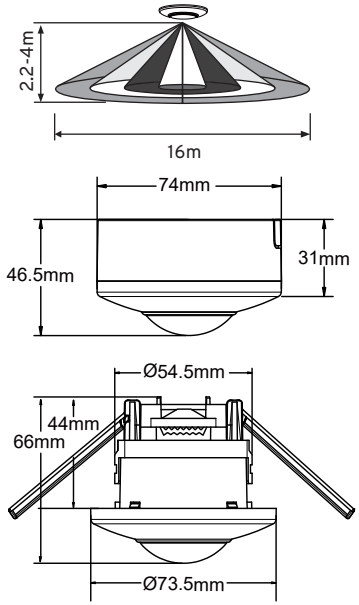
PIR Motion Sensor
360° RECESSED OR SURFACE MOUNT
W/ OVERRIDE WHITE
SEN-PIR360RC-SM-W

PRODUCT OVERVIEW

This PIR (Passive Infrared) motion sensor automatically controls lighting by detecting human body heat movement within a 360° detection area.
When motion is detected, the connected load turns on instantly.
The sensor can be set to operate during daytime, nighttime, or both.

TECHNICAL SPECIFICATIONS

Power Supply:	**220–240V a.c. 50Hz**
Detection Angle:	**360°**
Detection Range:	**2 to 16m (<24°C)**
Installation Height:	**2.2 - 4m**
Time Delay:	**10 sec (±3s) to 15 min (±2min)**
Ambient Light Control:	**<10–2000 LUX (adjustable)**
Rated Load:	**Max. 2000W (incandescent)** **Max. 1000W (LED)**
Standby Power:	**<0.5W**
Working Temperature:	**-10°C to +40°C**
Working Humidity:	**<93% RH**
IP Rating:	**IP20**
Cutout:	**Ø60mm**



CONTROLS

LUX (Light Sensitivity): Adjust when the sensor operates	**Minimum: Works only in low light (<10 LUX)** **Maximum: Works day & night**
TIME (Delay Setting): Adjust how long the load remains on after motion detection	**Minimum: ~10 seconds** **Maximum: ~15 minutes** **If motion is detected again while active, the timer resets.**

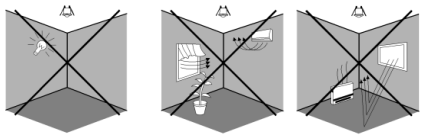
Manual Override:
The light can stay ON for longer time periods by using the manual override function.

Under PIR Mode,simply turn off/on/off/on the power within 3 seconds, then the unit will be in Override Mode and the light will stay ON.
To switch back to PIR Mode, turn off the power, and 10 seconds later, turn it back on.

PRIOR TO INSTALLATION

Improper placement may cause false triggering.

Do **NOT** install: Near heat sources such as heating vents, AC units, lights, metal roofs etc.
Toward reflective surfaces such as glass.

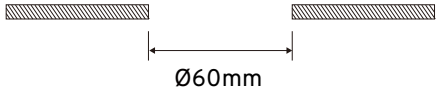


Safety

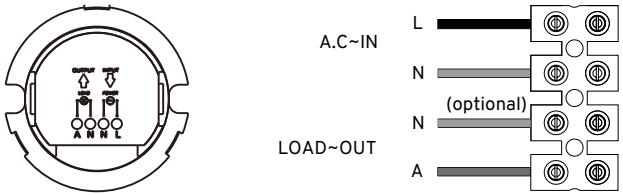
Installation shall be performed by a licensed electrician.
Do not exceed rated load capacity.
Ensure wiring complies with national and local building regulations and the Australian and New Zealand wiring rules (AS/NZS 3000) current edition.

WIRING INSTRUCTIONS

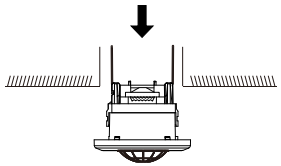
Important: Turn off the power prior to installation
If surfacemount is required then mount base to surface.
If recessed installation is required, cut a Ø60mm hole.



1. Connect the wires to the terminal block according to the wiring diagram.



2. Fold the metal springs upward into the “I” position.



3. Insert the sensor into the ceiling hole.
4. Release the springs to secure the sensor firmly into place.
5. Restore power and proceed to testing.

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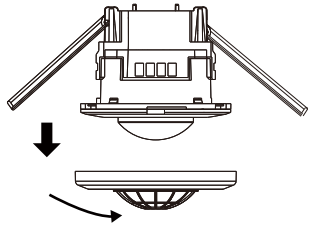
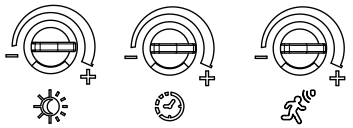
SENSOR SETUP & TESTING

Initial Test Procedure:

Remove the sensor cover to access adjustment knobs.



1. Turn the LUX knob fully clockwise to the maximum (+).
2. Turn the TIME knob fully anti-clockwise to minimum (-).
3. Turns the sensitivity knob clockwise to maximum (+).



4. Switch on the power.
5. The sensor requires approximately 30 seconds warm-up time before normal operation begins.

When motion is detected:

The connected lamp will turn on.
-If no further motion is detected, the lamp will turn off after approximately 10 seconds (±3 seconds).

Night Mode Test:

1. Turn the LUX knob fully anti-clockwise to the minimum.
2. If ambient light is above 10 LUX, the sensor will not activate.
3. If ambient light is below 10 LUX (dark conditions), the sensor will operate normally.
4. Without additional motion, the load will switch off after approximately 10 seconds (±3 seconds).

Note:
When testing during daylight, ensure the LUX knob is set to the maximum + position, otherwise the sensor will not operate.