

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 1.8–2.5m.
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 1.8–2.5m.

SUPPORT

Visit kasta.com.au

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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.



Installation Guide

PIR Motion Sensor
180° Surfacemount Adjustable IP44

SEN-PIR180SMADJ-W
SEN-PIR180SMADJ-B

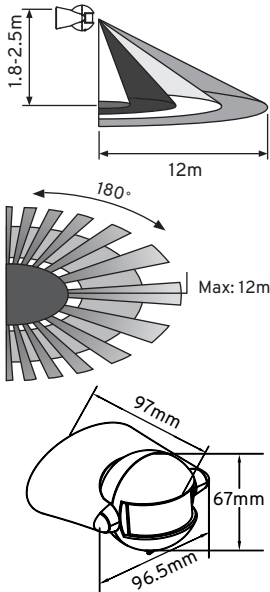


PRODUCT OVERVIEW

This PIR (Passive Infrared) motion sensor automatically controls lighting by detecting human body heat movement within a 180° 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

Rated Voltage:	220–240V a.c. 50Hz
Detection Angle:	180°
Detection Range:	Up to 12m (<24°C)
Installation Height:	1.8–2.5m
Time Delay:	10 sec (±3s) to 7 min (±2min)
Ambient Light Control:	<10–2000 LUX (adjustable)
Rated Load:	Max. 1200W (incandescent) Max. 300W (LED)
Standby Power:	<0.5W
Working Temperature:	-10°C to +40°C
Working Humidity:	<93% RH
IP Rating:	IP44



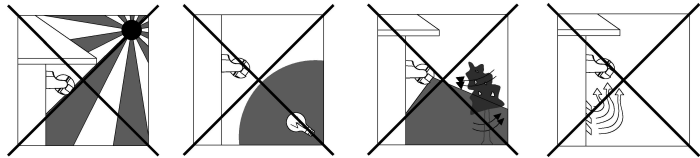
CONTROLS

LUX (Light Sensitivity): Adjust when the sensor operates	SUN (Max): Works day & night MOON (Min): Works only in low light (<10 LUX)
TIME (Delay Setting): Adjust how long the load remains on after motion detection	Minimum: ~10 seconds Maximum: ~7 minutes If motion is detected again while active, the timer resets.

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.
 - Toward objects which move in windy conditions such as large plants or trees

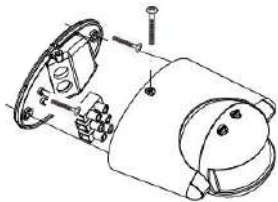


Safety

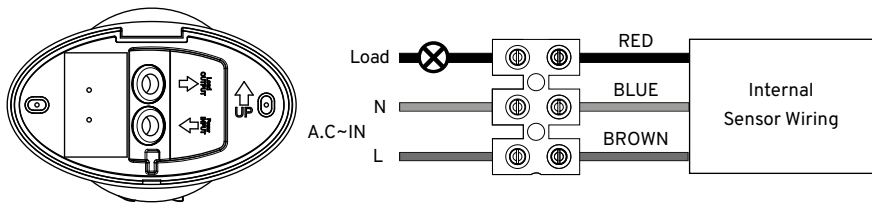


Installation shall be performed by a licensed electrician.
Do not exceed rated load capacity.
If the connected lamp exceeds 60W, maintain a minimum distance of 60cm between the lamp and the sensor.
Ensure wiring complies with national and local building regulations and the Australian and New Zealand wiring rules (AS/NZS 3000) current edition.

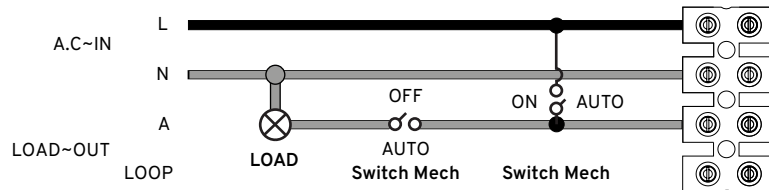
WIRING INSTRUCTIONS



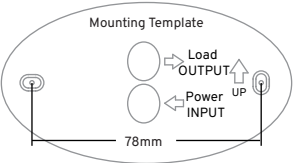
- Loosen the rear screw and remove the sensor cover.
- Locate the cable entry hole at the bottom and pass the power cable through it.
- Connect the wires to the terminal block according to the wiring diagram.



Optional automatic with manual override ON or OFF



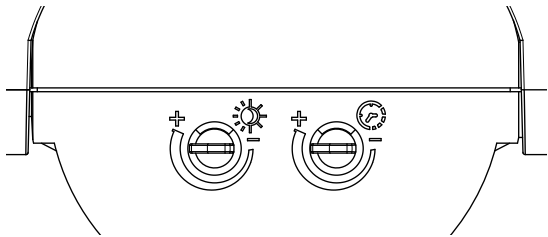
- Secure the base to the selected mounting position using appropriate screws.



- Re-attach the sensor to the base and tighten the screw.
- Restore power and proceed to testing.

SENSOR SETUP & TESTING

Initial Test Procedure:



- Turn the TIME knob fully anti-clockwise to minimum (-).
- Turn the LUX knob fully clockwise to the maximum (SUN).
- Switch on the power.
- 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:

- Turn the LUX knob fully anti-clockwise to the minimum (MOON).
- If ambient light is above 10 LUX, the sensor will not activate.
- If ambient light is below 10 LUX (dark conditions), the sensor will operate normally.
- 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 SUN position, otherwise the sensor will not operate.