

Setup:

The LED indicator inside the sensor will flash to display the preset times as following:

- 1) 1 hour: flash one time
- 2) 2 hours: flash two times
- 3) 3 hours: flash three times
- 4) 4 hours: flash four times
- 5) 5 hours: flash five times
- 6) 6 hours: flash six times
- 7) 7 hours: flash seven times
- 8) 8 hours: flash eight times
- 9) 9 hours: flash nine times
- 10) dusk to dawn: rapidly flash ten times

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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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.



Installation Guide

PE Cell Sensor
IP66 DUSK 2 DAWN W/ TIMER WHITE
SEN-DSK2DWN-IP-G

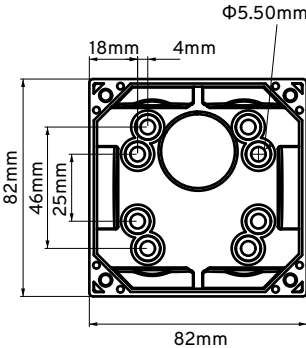


PRODUCT OVERVIEW

This item is an automatic photocell switch designed for lamps. When the ambient light level drops below the preset LUX setting, the light turns on automatically. It will turn off either at the preset time or when the ambient light rises above the selected LUX level. The device features adjustable LUX sensitivity and customizable time settings, making it easy and convenient to use.

TECHNICAL SPECIFICATIONS

Rated Voltage:	220–240V a.c. 50Hz
Time Delay:	1,2,3,4,5,6,7,8,9 hours
Ambient Light Control:	<3–500 LUX (adjustable)
Rated Load:	16A LED 500W Incandescent 1000W Fluorescent 2000W
Standby Power:	<0.5W
Working Temperature:	-10°C to +40°C
Working Humidity:	<93% RH
IP Rating:	IP66



CONTROLS

LUX (Light Sensitivity): Adjust when the sensor operates	Turn the LUX knob counterclockwise to the “3” position to activate the photocell only in very low light conditions (below 3 LUX). Turn it clockwise to the “500” position to allow the photocell to operate when the ambient light is below 500 LUX.
TIME (Delay Setting): Adjust how long the load remains on after motion detection	Set the desired operating duration to control how long the photocell remains active according to your needs.

PRIOR TO INSTALLATION

Improper placement may cause false triggering.

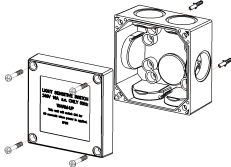
Do NOT install: Where obstructions and moving objects that may block natural light. Under the lamp or where the lamp's light can shine directly onto the photocell. If another light source shines on the photocell for more than 1 minute while the lamp is on, the lamp will turn off and the timer will reset. The timer will also reset if the power is turned off for more than 2-5 seconds.

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.

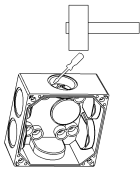
WIRING INSTRUCTIONS

Important: Turn off the power prior to installation

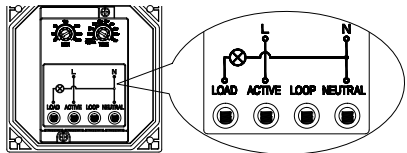
1. Loosen the four screws on the cover and remove the cover.



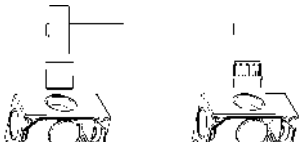
2. Use a screwdriver and hammer to make the required mounting holes. All used cable entries must be sealed with a silicone sealant to maintain IP66 rating.



3. Connect the wires according to the wiring diagram.



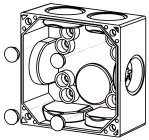
4. Select the appropriate accessories as needed and secure them with adhesive if required.



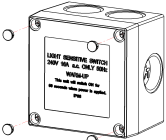
5. Install the five conduit entry caps onto the product as required.



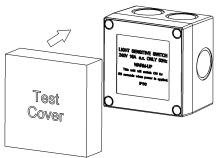
6. Mount the product using the appropriate wall plugs and screws and four large screw caps.



7. Reattach the cover using the screws provided and small screw caps to maintain IP rating.



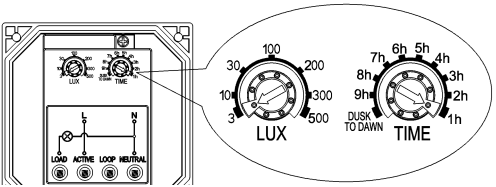
8. Switch on the power. During daytime testing, place the test cover over the product and check whether the lamp turns on properly. Remove and keep the test cover after testing.



SENSOR SETUP & TESTING

Initial Test Procedure:

Remove cover of the sensor to access adjustment knobs.



1. Set the LUX knob to the “3” position and the TIME knob to the “1h” position. When the ambient light is below 3 LUX, the red indicator light will turn on. After 1 minute, the lamp will turn on.

Within 1 hour, ambient light < 3 LUX:
The lamp will remain on for 1 hour. After 1 hour, it will turn off automatically. The red indicator light will turn off when the ambient light rises above 10 LUX.

Within 1 hour, ambient light > 10 LUX:
The red indicator light will turn off. After 1 minute, the lamp will turn off.

When setting the TIME knob to 2-9 hours, follow the same testing procedure described above.

2. Set the LUX knob to the “3” position and the TIME knob to the “DUSK TO DAWN” position. When the ambient light is below 3 LUX, the red indicator light will turn on. After 1 minute, the lamp will turn on and remain lit continuously.

When the ambient light rises above 10 LUX, the red indicator light will turn off. After 1 minute, the lamp will turn off.