

INSTALLATION / WARRANTY INSTRUCTIONS

PRODUCT BRAND: PIERLITE

PRODUCT NAME: ECOSSET WEATHERPROOF IP65 3WIRE STANDALONE PIR SENSOR SURFACE MOUNT 180 Degree

PRODUCT CODE: ECOSSETWPH180

Issue Date: 06/02/2026

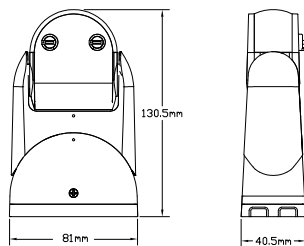
Please read these installation instructions carefully before installing or maintaining this equipment. The product is designed for installation and maintenance in accordance with relevant Australian standards (AS/NZ3000), by an authorised and licensed electrician. The installation instructions were correct at the time of print. To reflect changes in technology and Australian and New Zealand standards; Pierlite reserves the right to amend the instructions without notice. Updated guidelines can be found on relevant brand web site.



1. PRODUCT SPECIFICATION:

Item code	ECOSSETWPH180
Material and Colour	Ploycarbonate in White
Electrical classification	Class II
Ingress protection	IP65
Nominal voltage	220-240V ac
Nominal frequency	50Hz
Stand-By Power Consumption	< 0.5W
Maximum Load Current	10A
Minimum Load	0W
Surge protection rating	L-N: 2000V
Operating ambient temperature	0 - +40°C
Warm-Up Time	30 seconds
Detection range	180°
Detection Distance	12m Max (<24°C)
Time Delay	10Sec-15Min (adjustable)
Mounting Height	1.8 to 2.5 M (Vertical Orientation)
Light Level	10-2000LUX
Electrical connection	3 terminals PA10 terminal
Installation Orientation	Recessed mount
Compatible Load types	LED: Max.300W Incandescent: Max.1200W
Dimensions (DxH)	81mm x 40.5mm x 130.5mm
Net weight	0.142kg
Applications	Commercial and residential
Direct mounting on the flammable surfaces	Yes
Warranty	5 years

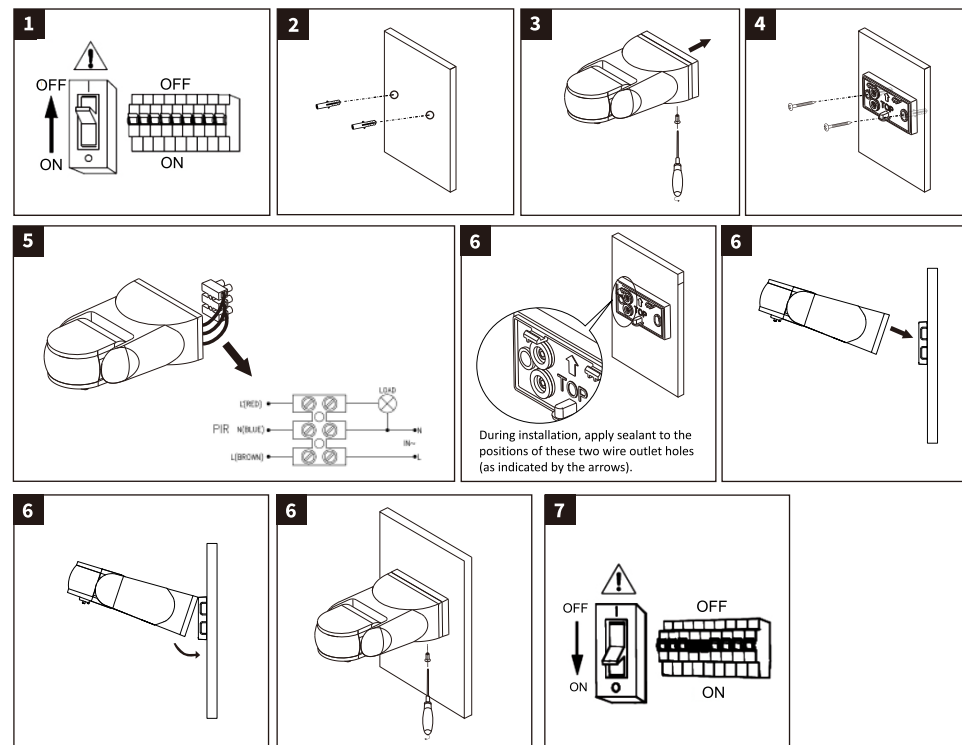
2. LINE DIAGRAMS AND DIMENSION



3. INSTALLATION / GENERAL: Installation of the product is to be completed by an authorized and licensed electrician, in accordance with these instructions, relevant Australia standards and local regulations (where applicable). Termination of product wiring, together with the installation of the product must be in a manner and orientation that maintains the integrity of the designated IP rating of the product for electronic control equipment (when supplied) DO NOT MEGGER between A and N.

Installation instructions:

Mounting steps

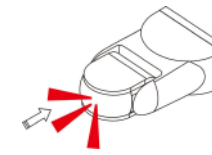


Function:

- Day and Night Identification: The sensor can operate during both day and night, and the user can adjust its working state according to different ambient light levels. When the sensor is adjusted to the "sun" position (max), it can work during the daytime and nighttime. On the other hand, it can work in ambient light conditions less than 3LUX when adjusted to the "3" position (min). For more information on the adjustment pattern, please refer to the testing pattern.
- Time-Delay Function: The device has a time-delay feature that continues to add time. If it senses a second signal while still sensing the first, it restarts the timer from that moment.



Poor Sensitivity



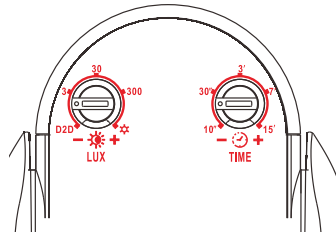
Good Sensitivity

- D2D Photocell Function: For LUX knob when it is adjusted on the "D2D" position (-).The product can turn on or turn off light by automatically according to ambient-light.

- To override sensor function and enter MANUAL MODE, quickly switch the power OFF / ON twice at the wall switch (within 3 seconds). Your light should now be in MANUAL MODE and will stay on permanently or can be activated as required by a wall switch
- To change back to AUTO MODE, turn the power OFF and wait for 10 seconds, then turn it back ON again. Please note that at this time the light will turn ON for 10-20 seconds and turn OFF again - at this point it will return to AUTO/SENSOR MODE.
- To install a manual override function for an ECOSETWPH180 sensor controlling lights with live, neutral, and load terminals, start by turning off the power supply to ensure safety.
 - (a) For a new switch, connect a switch in parallel with the sensor: one terminal of the switch connects to the live wire and the other to the load wire, allowing the switch to bypass the sensor and control the lights manually.
 - (b) For an existing switch, modify its wiring so it operates in parallel with the ECOSETWPH180 sensor, enabling manual control of the lights even when the sensor is active. Ensure that the connections to the live, neutral, and load terminals on the sensor remain intact for the automated function to work properly. Once all wiring is completed, restore the power supply and test both the manual override and the sensor to confirm everything is functioning as intended.
- D2D Mode:
 - Off sensor mode, it can fitting into "Dusk to Dawn" mode.
 - It will work in the ambient light less than 30lux, and auto logout in the ambient light more than 100lux.

TEST AND COMMISSIONING:

1. Turn the TIME dial anti-clockwise to the minimum (10s).
2. Turn the LUX dial clockwise to the maximum (☀️).
3. Note: when testing in the daylight, please turn Lux dial to (☀️ Max) position, otherwise the sensor will not operate.
4. Switch on the power, after Warm-up 30sec, the sensor will commence operating.
5. When the sensor receives the signal, the lamp will activate, whilst there is no movement detected, the connected load will cease operating within 10sec.
6. Turn the LUX dial to the minimum (3 lux). When the ambient light is MORE than 3LUX, the sensor will not activate the load. When the ambient light is Less than 3LUX (darkness), if a movement is detected, the sensor load will commence operating. If no movement detected, the sensor load will cease operating within 3 sec.



Factory default settings:

1. Ambient lux level: Max "☀️" (Full sunlight)
2. Time-Delay: Min "10 s"

4. IMPORTANT - the product must be maintained and operated in accordance with the manufacturer's instructions, failure to do so may damage the product and services. It is strongly recommended that this important note be communicated to the owner and operator of the installation at the time of site commissioning. Good practice does not recommend the 24/7 use of products without the application of suitable switch cycle intervals. Furthermore, with the omission of nominated survival curves and or recommended operating hours, product design expectations provide for a continual daily usage of 6 hours for residential applications and a continual daily usage of 12 hours for commercial and industrial applications. All products must be thoroughly cleaned on a regular basis at intervals that reflect in the installation environment, ensuring the optical performance, together with the electrical, mechanical, and structural integrity as designed, is maintained throughout the service life of the product.

- 5. APPROVALS:** The RCM marking of this product applies to AS/NZS CISPR15 (EMC) "Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment". This product is designed to conform to AS/NZS60598 "Luminaires, general requirements and tests".
- STORAGE:** Prior to installation products are to be stored in cool and dry conditions.

6. APPLICATION: The installation application and orientation of the product is designed in accordance with the nominated product Pralting, class designation and these installation installations. Installation environments outside these conditions are not recommended.

7. MAINTENANCE:

- (a) The supply must be isolated before opening or accessing the luminaire. Product maintenance is IMPORTANT and is critical to the products designed performance. The product is to be maintained in accordance with the manufacturer's instructions. For the latest product maintenance guides please go to relevant brand web site. Pierlite is not responsible for any product not maintained in accordance with the recommended procedure or intervals.
- (b) **Lamps (where provided):** The product is designed with the supplied (LEDs) / LAMP/s and it is strongly recommended that any LAMP / (LEDs) changes (if any) be made in accordance with the type, colour and brand supplied. For recommended LAMP / LED maintenance or operating guides (inclusive of recommended product switch cycles and mandatory run-in procedures for HID and Fluorescent lamps when used with dimming circuits), Pierlite recommends the application of the lamp manufacturer's operating guidelines, which can be found on manufacturer's website. Pierlite is not responsible for the product performance of alternative

lamp/s used. As a member of FluroCycle, we encourage recycling of lamps and components.

(c) Battery (where provided): The battery is designed with a rated average battery design life in standby mode, and is supported with a standard warranty (refer to product specifications for details); conditional of the product being maintained and operated in accordance with the manufacturer's guidelines and tested in accordance with AS/NZS2293. For guidelines see product installation instructions or visit the relevant brand web site.

(d) For products supplied with glass visors or covers, do not operate the product with a damaged visor or cover; it is recommended the product be turned off, area surrounding the product vacated, and the damaged glass replaced by a professional installer immediately.

(e) Cables or cords (where provided): If any external cable or cord of the X or Y type luminaire is damaged, it shall be replaced by a qualified person or manufacturers service agent.

For Z type attachments to luminaire, cord cannot be replaced if damaged, the luminaire shall be removed from service.

Flex cord types

- X: Specially prepared flexible cable or cord, may also include a part of the luminaire and only available from manufacturer.
- Y: Attachment may be used with either an ordinary or special flexible cable/cord.
- Z: Attachment of cable/cord that cannot be replaced without damage to luminaire

8. WARRANTY INSTRUCTIONS: For purpose of warranty claims (if any) the following instructions apply:

Warranty period - The above components are provided with a warranty (refer to product specifications for details) against manufacturing defects or failure to perform to specifications for products installed by an authorised installer in accordance with the manufacturer's installation instructions and which have not been subject to incorrect operation or maintenance, unauthorised modification or damage arising from any intervening cause.

Warranty reference - The warranty reference date commences from the date of purchase.

Warranty point of contact - Signify, Level 9, 5 Rider Blvd, Rhodes, Sydney, NSW 2138, phone T 1300 799 300 – Signify Customer Service.

Warranty claim procedure – For the purpose of making a claim the customer must:

1. Contact the "point of contact" above and upon provision of proof of purchase the customer will receive a goods return advice (GRA) number.
2. At the customer's expense, collect and return the goods to the "point of contact" with the issued GRA number.
3. Upon receipt of the goods, Pierlite will review the claim and if found to be accepted, Pierlite will return a replacement product to the customer to install at the customer's expense. Alternatively, if the claim is rejected, the customer may request the return of the goods at their expense.

Consumer Contracts - The benefits to the customer given by the Pierlite warranty are in addition to other rights and remedies of the customer if the goods are the subject of a Consumer Contract under the Australian Consumer Law. In that event the following statement is required to be brought to the Consumer's attention: - *Our goods come with guarantees that cannot be excluded under the Australian 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.*

Limitation of Liability – if the goods are not purchased by the customer under a Consumer Contract within the Australian Consumer Law then but not otherwise;- (a) the Company is not liable in tort for any loss or damage suffered by the customer or by any third party; and (b) in no circumstances is Pierlite liable to the customer or to any third party for any loss of profits, loss of anticipated savings, economic loss or interruption of business or for any indirect or consequential loss (Consequential Loss).

Terms of Sale – these warranty provisions are in substitution for any inconsistent provisions in the Pierlite Terms and Conditions of Sale in so far as they apply to the warranty components.