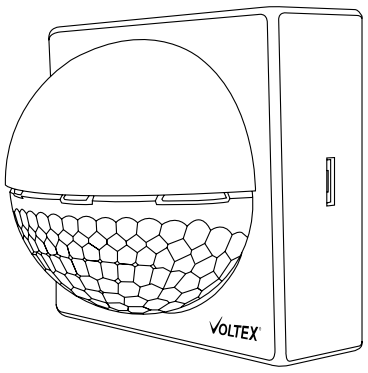
VOLTEX®

Outdoor IP55 PIR Motion Sensor

OMS-180B and OMS-180W
INSTALLATION GUIDE



MOUNTING THE SENSOR

The sensor responds to changes in temperature; therefore, the following conditions should be avoided.

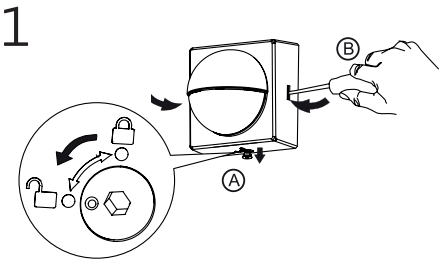
- Avoid aiming the sensor towards objects with reflective surfaces, such as glass
- Avoid mounting the sensor near heat sources, such as heating vents, air conditioners, metal roofs, etc.
- Avoid aiming the sensor towards objects which move in windy conditions, such as large plants or trees

MOUNTING LOCATION

The sensor's coverage or 'field of view' is optimal when the sensor is mounted at a height of 2.5m to 4.0m and the object triggering the sensor approaches across the face of the sensor, rather than directly towards it.

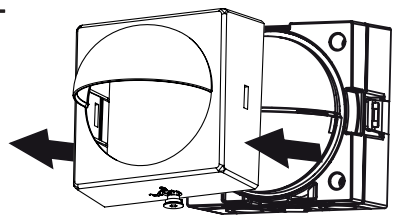
MOUNTING PROCEDURE

1



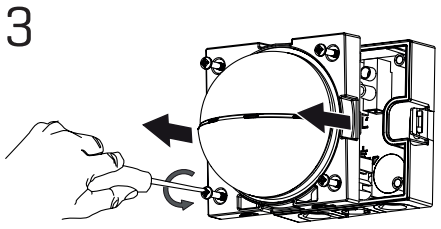
Release and pull down the lock (A) on the bottom of the sensor cover. Then release the catches (B) on both sides

2



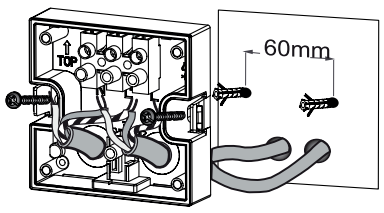
Remove the sensor cover to expose the screw heads

3



Undo the four screws to remove the sensor from the base

4



Mark and drill mounting holes for the sensor base. Feed cables through the base and fix the base to the wall

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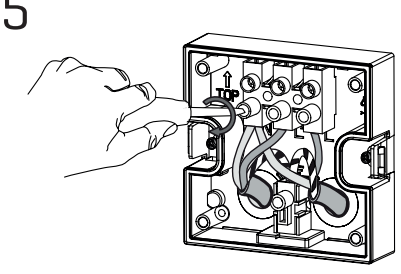
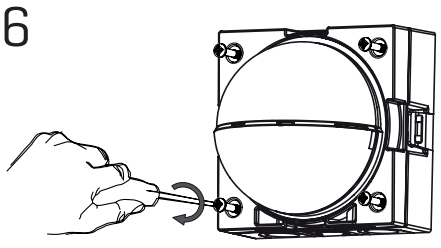


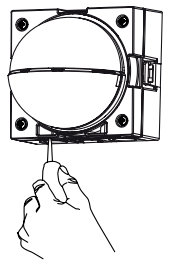
Wire the sensor as shown in the next section

6



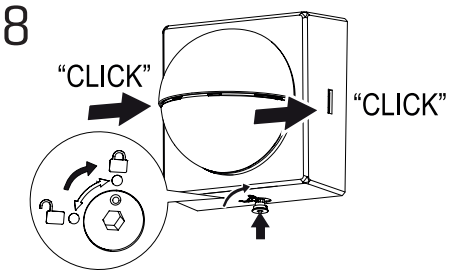
Plug the sensor back onto the base and tighten the four screws

7



Carry out a sensor walk test, then set the required Time / Lux. See the 'COMMISSIONING' section for details

8

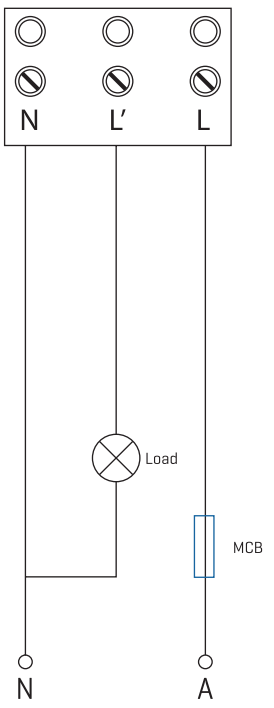


Re-fit the sensor cover and lock it into place using the lock on the bottom of the sensor

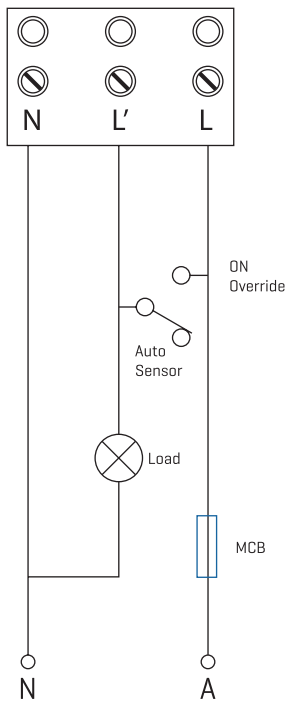
WIRING THE SENSOR

IMPORTANT: This device must be installed by a licensed electrician in accordance with national and local building regulations and the Australian and New Zealand wiring rules AS/NZS 3000 latest edition.

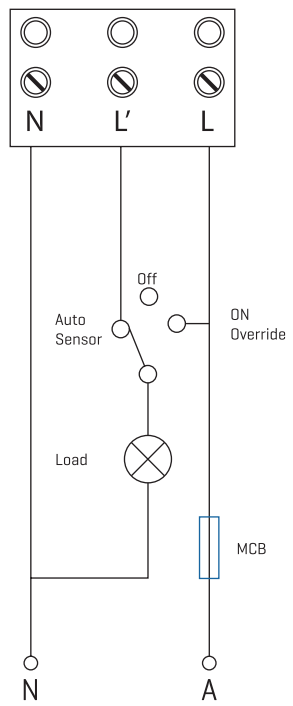
Automatic ON/OFF via sensor



Automatic with manual ON override using 2-position switch

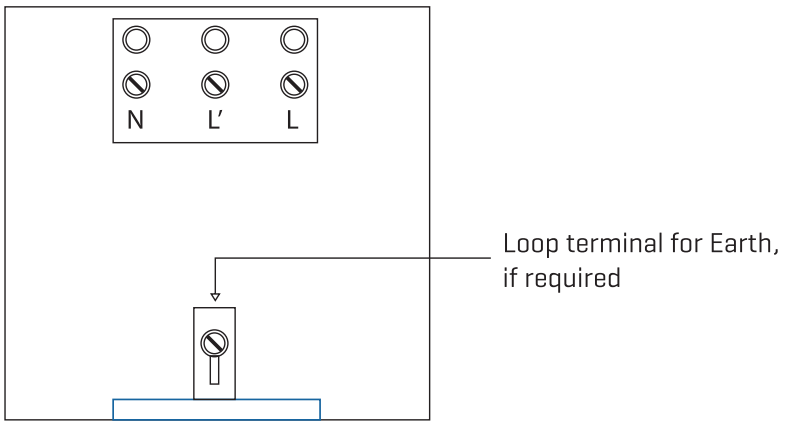


Automatic with manual ON override using 3-position switch



LOOP TERMINAL

The sensor includes a looping terminal for an Earth wire, if required. The terminal is not internally connected as the sensor does not require an earth connection.

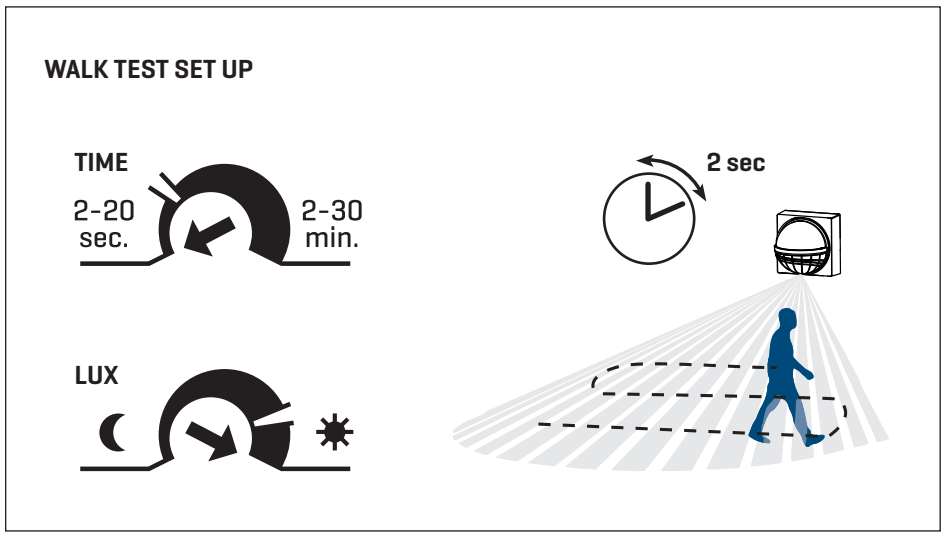


COMMISSIONING

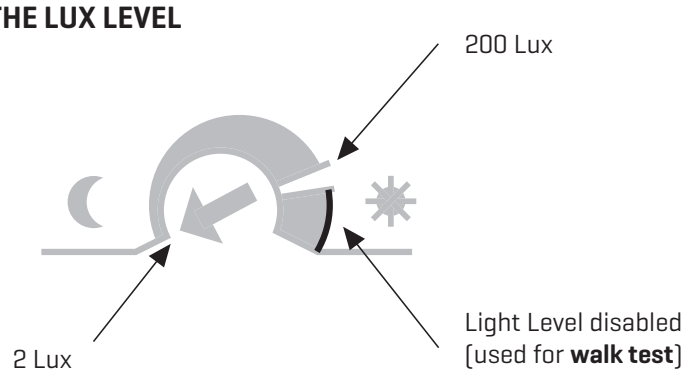
Walk test

- Turn the **time** setting all the way **anti-clockwise**
- Turn the **Lux** setting all the way **clockwise**

Walk through the detection area to ensure proper operation. After the motion sensor has detected a movement, it switches ON for 2 seconds.

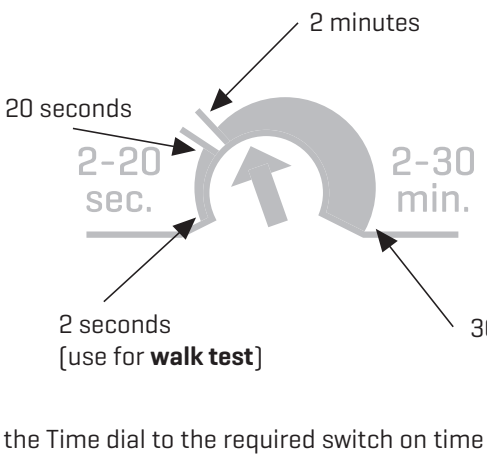


SETTING THE LUX LEVEL



- To set the motion sensor to only switch on at night, turn the Lux dial towards the 'Moon' symbol.
- To set the motion sensor to switch on when there is some daylight, set the Lux dial between 2 Lux and 200 Lux, as required. (Note Dusk occurs around 50 Lux).
- To set the motion sensor to switch on at any time movement is detected, regardless of light level, turn the Lux to the 'Sun' symbol.

SETTING THE TIME DELAY

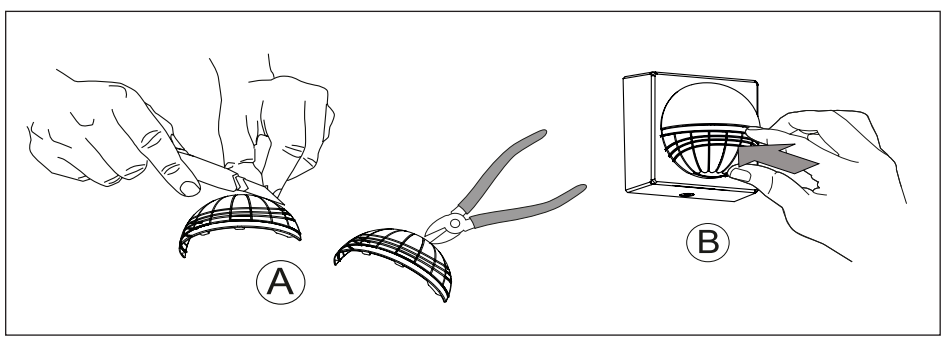


(use for **walk test**)

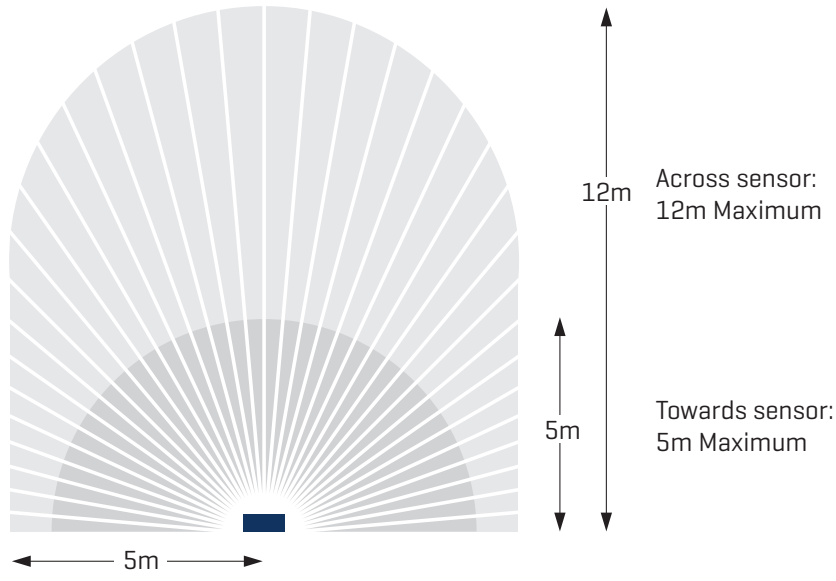
Set the Time dial to the required switch on time (2 seconds to 30 minutes)

LIMITING THE DETECTION AREA USING THE LENS SHIELD

A. Remove sections of the lens shield not required using side cutters or similar
B. Clip the shield onto the sensor face. There are four slots at the top of the sensor lens to clip the lens shield into.



FIELD OF VIEW



SPECIFICATIONS

Operating voltage	230 V AC
Frequency	50 Hz / 60 Hz
Standby Power	< 0.5 W
Protection rating	IP 55
Operating temperature	–25 °C to +45 °C
Lighting Level adjustment	2 Lux to 200 Lux, plus light level disable
Auto OFF time adjustment	2 seconds to 20 seconds and 2minutes to 30 minutes
Warm up time	40 seconds
Installation heights	2.5m to 4m
Detection range *(refer to diagram)*	Across sensor: 12m maximum Towards Sensor: 5m maximum *Note: Detection range can vary, depending on the ambient temperature*
Detection angle	180° (see diagram above)
Maximum Load	LED: 400W Incandescent: 2300W

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