

VMOSS/VMOSSB - FLUSH MOUNT 360° CEILING SENSOR



IP44

ELECTRICAL SPECIFICATIONS

Supply Voltage Range	230 - 240V AC, 50Hz
Load Rating	2000W Incandescent 400W LED 450W Fluorescent 400W Motor/Fan
Operating Temperature	5°C - 40°C
Wire Size	1x 2.5mm ² 2x 1.5mm ²
Wiring	2.5mm ²

TIMING AND LUX SPECIFICATIONS

Detection Method	Passive Infrared (PIR)
Detection Angle	360°
Detection Range	Ø 6m
Time Adjustment	5 secs - 30 mins
Lux Adjustment	10 - 2000Lux
Ceiling Cut-Out Size	Ø 60mm

WARRANTY

This product is covered by the standard 3 year Vynco Warranty - proof of purchase is required.

Please contact Vynco for details of returns procedure.

NOTE: This product contains NO user serviceable parts.

INSTALLATION

This product should be installed by a suitably qualified person in accordance with Australian and New Zealand Wiring rules.

INSTALLATION POSITION

Ideally the sensor should be positioned between 2.4 and 4m above the area to be scanned.

To avoid nuisance tripping, installation should try to avoid areas:

1. With water features such as swimming pools or ponds.
2. Near heat sources such as air conditioners, dryers, fire places or heaters.
3. Which are subject to direct bright or reflected lights or sunlight.
4. Which are frequented by animals, such as pets or birds.

INSTALLATION PROCEDURE

STEP 1

Ensure desired location is suitable and clear of all obstruction.

STEP 2

Ensure the relevant circuits are isolated and safe.

STEP 3

Cut out a 60mm diameter hole in the ceiling.

STEP 4

Unclip the wiring & terminal cover from the rear of the sensor.

STEP 5

Connect the supply and load cables to the terminal block as shown in the wiring diagram.

STEP 6

Replace the wiring & terminal cover.

STEP 7

Fold back installation springs and insert the sensor into the cut out hole in the ceiling.

STEP 8

Twist the fascia cover off the sensor to access the controls.

STEP 9

Set and test the controls as described in the next section.

STEP 10

Replace fascia.

FUNCTIONALITY TEST DURING DAYLIGHT PROCEDURE

STEP 1

Ensure correct wiring by a suitably qualified person following the installation instructions provided with the product.

STEP 2

Set lux and duration time to minimum

STEP 3

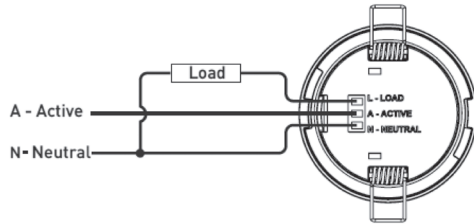
Using the VMOSS packaging, cover the sensor completely. Covering the sensor will bypass the surrounding lux sensitivity control and allow the PIR to be activated. This check will ensure the load is connected correctly and will turn on.

STEP 4

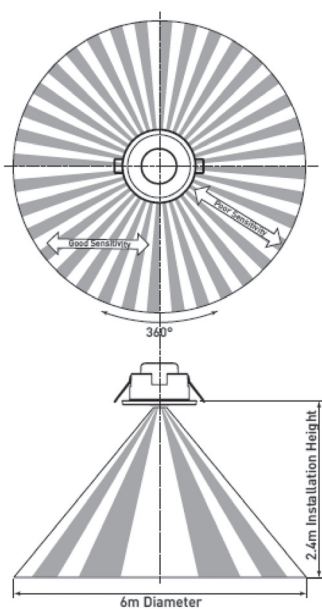
Adjust lux and the time dial to desired setting once the sensor activation is confirmed.

The lux level in very bright areas or peak sunlight may exceed the sensor's maximum lux sensitivity control of 2000 lux. This may cause the sensor to not operate until its field of detection darkens.

WIRING DIAGRAM



FIELD VIEW OF DIAGRAM



SETTING THE CONTROLS

STEP 1

With the sensor fully installed.

STEP 2

Turn the time dial to the minimum (5 seconds) and the lux dial to minimum (DAY).

STEP 3

Turn on power to the lights or load connected to the sensor. The light or load may turn ON for a short period (30 seconds) while the sensor warms up, it will then turn off.

STEP 4

Walk through the coverage area, the lights or load connected to the sensor should turn ON. This confirms the wiring is correct and the light or load is operational.

STEP 5

Adjust the time dial to your desired setting.

STEP 6

To set the ambient light level at which the sensor will switch on, turn the lux dial to the minimum (night). When the light in the room or area is at the desired level, have someone walk continuously through the detection zone as the lux dial is increased. When the light or load connected to the sensor turns ON release the dial.

STEP 7

If the installation is outdoors, refer to functional test method for daylight hours,

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