

## Specification Sheet

# EcoSet Basic Control OccuSwitch 2-in-1 mounting PIR sensor

### EcoSet SES LCM1060, LCM1061

The EcoSet OccuSwitch is a movement detector with a build-in switch. It will switch off the lights in a room or area when it is vacated, and its single target is to achieve incremental energy saving in a simple, reliable and affordable way. The OccuSwitch can control an office area up to 28m<sup>2</sup>. It is designed with 2-in-1 mounting method, which can support both surfaced and recessed mounting.

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## Functions

### Automatic control

The Occuswitch sensor switches the lights on automatically when presence is detected and switches the lights off after the area is vacated (after 2/5/15/30 minutes depending on the settings).

### Daylight override

It is possible to prevent the automatic switch-on when sufficient daylight is available in order to create additional savings.

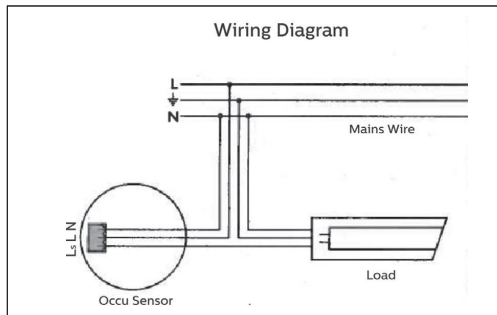
## Fixing

The OccuSwitch 2-in-1 mounting PIR sensor is suitable for both surfaced mounting and recessed mounting.

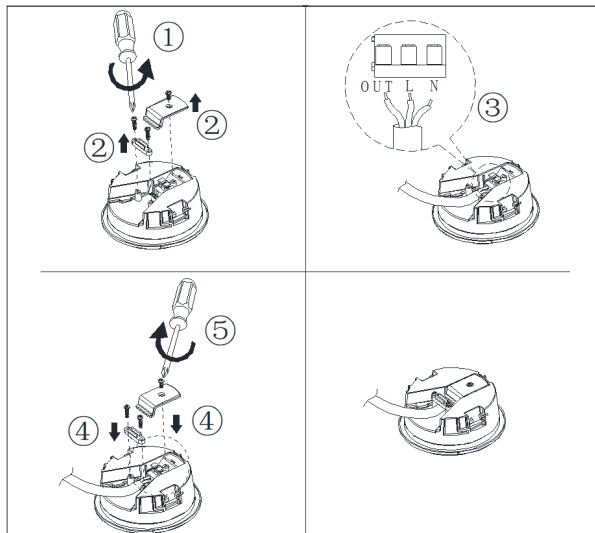
When selecting a location for the OccuSwitch, avoid obvious cold spots so that condensation does not occur.

## Electrical installation

The OccuSwitch 2-in-1 mounting PIR sensor can be installed with the conventional wiring as shown in the diagram.



Installation (conventional wiring)



Installation (cable wiring)

## Features

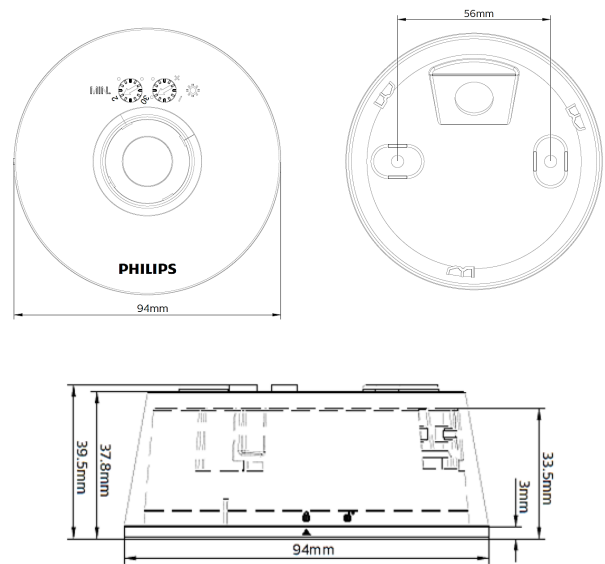
### Smart timer

The smart timer will extend the delay time by the set delay time (2/5/15/30mins) if movement is detected shortly after switch-off, assuming that the area is still in use, but very little movement is made.

## Applications

The OccuSwitch is designed for use in offices and similar applications, including conference rooms, toilets, storage and break areas, etc. It is optimized for both surface and recessed ceiling mounting and for mounting heights between 2.5 and 4 meter.

## Dimension drawings



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## Daylight control

### Daylight override

The daylight override function prevents the lights from switching on when sufficient daylight is available. To enable this function it is necessary to set the required light level by turn the dial away from the 'L' position. To disable this function, turn the dial into the 'L' position.

### Warnings

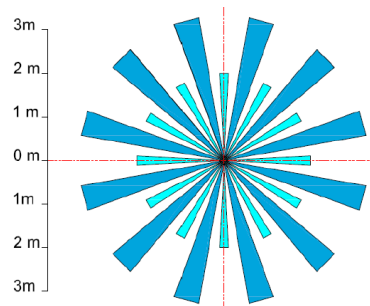
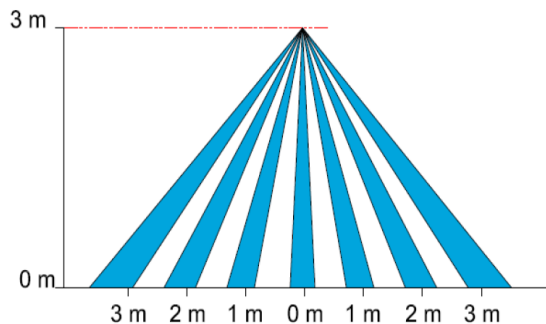


The Occuswitch should not be used in the following situations:

- Environmental conditions other than in a normal of fierce environment (temperature, humidity).
- In applications with heat sources like electrical heaters, within the detection range of the Occuswitch.
- In combination with lighting sources, or other devices, that can be damaged if they are switched off and on in a short period of time.
- It should not be mounted in direct line of air flow like in front of Air Conditioning vent.

### Detection range diagram

\*Testing @ 3m installation height @25°C



## Technical data

### Environmental conditions

#### Storage conditions

Temperature -25 to +85°C  
Relative humidity 0% to 95%; no condensation

#### Operating conditions

Temperature -20 to +55°C  
Relative humidity 0 to 95%; no condensation

Mains connection Voltage 220-240VAC; 50/60Hz (for LCM1060 only)  
100-277VAC; 50/60Hz (for LCM1061 only)

Mains surge immunity 1kV/2kV (for LCM1060 only);  
4kV/4kV (for LCM1061 only)

#### Power consumption

Stand-by <1.5W

Maximum load 4 A (Resistive load)

Load peak inrush current 100A (for LCM1060 only);  
80A (for LCM1061 only)

Applicable wire range 0.75 to 1.5mm<sup>2</sup>

Switch off delay 2 (default)/5/15/30minutes

Light levels Disable /10 /30 /100lux

Detection range See diagram

Angel blocker Available

Certification CE (for LCM1060 only)

Protection Class IP20

Lifetime 50,000 hrs

## Packing data

Type	Box dimensions (mm)	Qty	Material	Weight (Kg)	
				net	gross
SES LCM1060 Unit box	105 x 75 x 105	1	Cardboard	0.14	0.19
SES LCM1060 Outer box	390 x 220 x 122	10	Cardboard	1.37	6.34
SES LCM1061 Unit box	105 x 75 x 105	1	Cardboard	0.14	0.18
SES LCM1061 Outer box	550 x 400 x 450	100	Cardboard	14.30	19.27

## Ordering Data

Type Ordering	QTY	Ordering number
SES LCM1060 Occ PIR WH	In Multiples of Outer Box	9114 0154 2702
SES LCM1061 Occ PIR WH	In Multiples of Outer Box	9114 0154 2802

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