

## Wall Mounted Occupancy Detector

### Features



- Corner or flat wall mounted
- 24Vac/dc supply
- Compatible with a broad range of equipment
- Low voltage loads can be switched directly without the need for interposing relays

### Specification

Occupancy Sensor	Passive Infra-Red Detector
Field of view	90°
Coverage	18 metres
Type	Class 2I
Supply Voltage	12 - 24Vac/Vdc
Switching Capacity	6(2)A @ 24V
Electrical Connections	+24V, 0V, Relay - Common, NO, NC
Dimensions	See Page 3
Installation height	2 to 3m above the floor
Temperature	-10 to +40C
Humidity	90%RH non-condensing
Material	Flame retardant ABS, polypropylene
Conformity	EMC

### Product Codes

#### OC-W-LV

Wall mount PIR occupancy detector

## Technical Overview

The OC-W-LV is a Passive Infra-Red detector for monitoring occupation through moving body heat. Detection of occupancy causes the internal SPDT relay to activate.

The volt free contacts in the OC-W-LV ensure compatibility with a vast array of equipment.

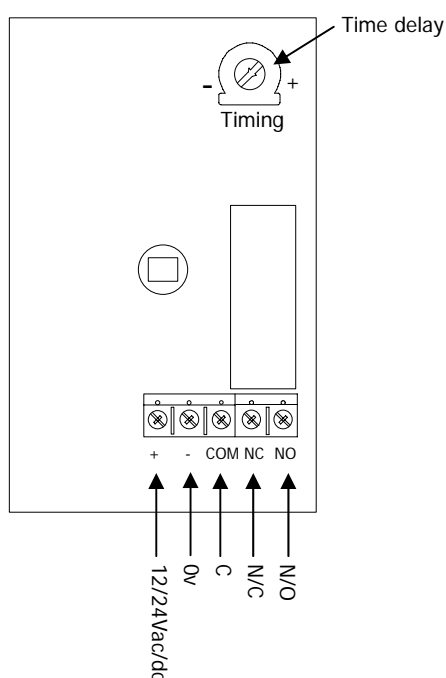
Please note that the relay in this unit is rated for low voltage use only.

## Installation

The OC-W-LV should be sited so that the occupants of the room fall inside the detection pattern shown on page 3 and in accordance with the following guidelines.

- Avoid direct sunlight entering the sensor.
- Do not site within 1m of forced air heating or ventilation.
- Do not site within 1m of any lighting.
- Do not fix to a vibrating surface.

## Connections



The electrical connections must be made before attaching it to the wall bracket or directly to the wall.

## Setting The Time Delay

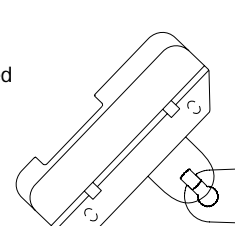
Timing is adjustable between 10s and 30min using the timing adjuster on the PCB.

## Mounting

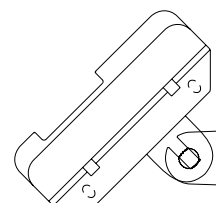
### Bracket Mounting

The recommended fixing of the OC-W-LV to a flat wall or corner is using the bracket included with the unit. The bracket is secured using screws (not supplied) and then the housing is simply attached as shown in the diagram below.

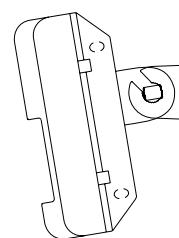
The wall bracket must be fitted with the opening pointing upwards.



Align the bracket opening with the OC-W-LV housing.

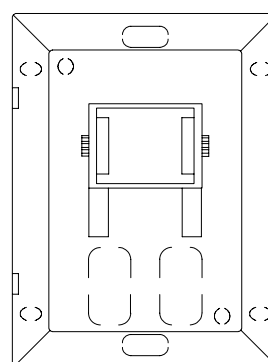


Adjust, as required.

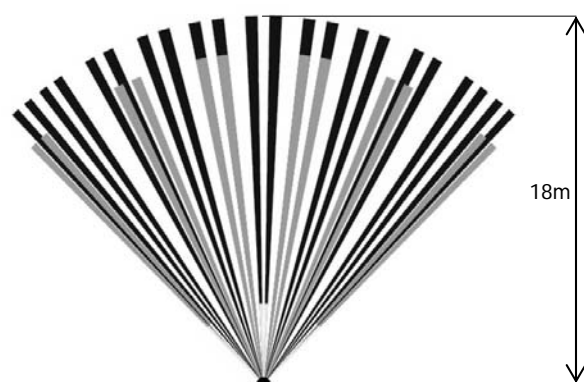


### Direct Mounting

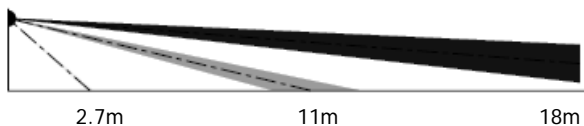
Direct mounting to either a corner or flat wall is achieved using knock-out's in the back cover. The front cover is removed by unclipping it which will reveal a number of knock-outs on the rear part of the enclosure. These are simply punched or drilled out and the rear section is then fixed directly to the surface. The front cover can then be clipped back into place.



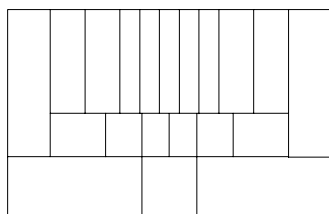
## Detection Range



Wall mounting 2.25m  
above the floor

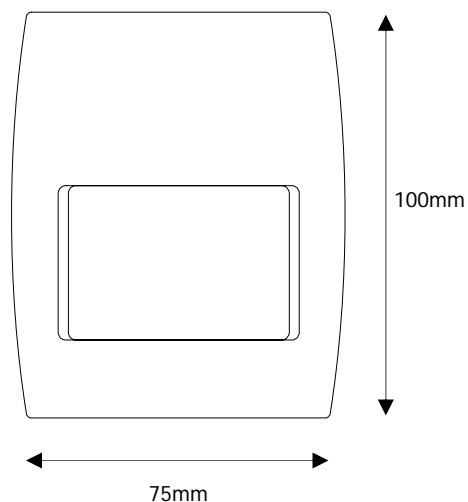


## Lens Pattern



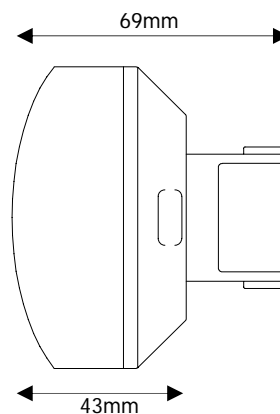
## Dimensions

Front

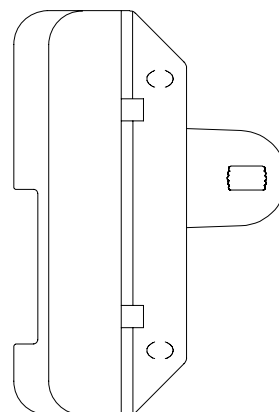


## Dimension (continued)

Top



Side



Wall bracket

