

Ceiling Mounted Lighting Controller

Features



- Combined Light Level and Occupancy Detection
- Flush or surface mount options
- Adjustable light level and off delay time
- Lights can be switched directly without the need for interposing relays

Specification

| | |
|-------------------------|------------------------------------|
| Occupancy Sensor | Passive Infra-Red Detector |
| Field of view | 360° |
| Coverage | 7 metres max. |
| Light range | 10 - 2000 Lux |
| Type | Class 2I |
| Off Delay Timer | 10 seconds to 30 minutes |
| Supply Voltage: | |
| LL-CC-LV | 12 - 24Vac/dc |
| LL-CC-240 | 230Vac @ 50Hz |
| Switching Capacity | 8A incandescent, 6A fluorescent |
| Electrical Connections: | |
| LL-CC-LV | +24V, 0V & Relay, C, N/C, N/O |
| LL-CC-240 | Live, Neutral & Switched Live |
| Dimensions | See Page 2 |
| Temperature | -10 to +40C |
| Humidity | 90%RH non-condensing |
| Material | Flame retardant ABS, polypropylene |
| Conformity | EMC, LVD, CE Marked |
| Country of Origin | UK |

Product Codes

LL-CC-LV

24Vac/dc Ceiling mounting lighting controller

LL-CC-LV-S

24Vac/dc Ceiling mounting lighting controller surface mount

LL-CC-240

240Vac Ceiling mounting lighting controller

LL-CC-240-S

240Vac Ceiling mounting lighting controller surface mount

Technical Overview

The LL-CC range is specifically designed to give savings over uncontrolled lighting whilst retaining an ease of installation and configuration. A Passive Infra-Red detector monitors occupation through moving body heat and a photo-sensitive device monitors light level.

The LL-CC range ensures that lighting is only switched on when the area covered is occupied and the light level is too low for normal working use. In this way lighting remains off until required.

Installation

The LL-CC should be sited so that the occupants of the room fall inside the detection pattern shown below 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.

Flush Mounting

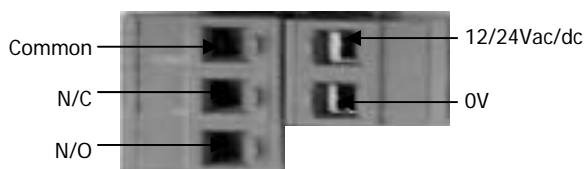
Flush mounting is achieved using the plastic bracket and clips provided. The LL-CC should be installed in a ceiling tile through a 64mm hole. Ensure that the ceiling tile is of suitable material to support the weight of the unit and that there is sufficient clearance above the ceiling. No access is required to the ceiling void, other than for wiring.

Surface Mounting

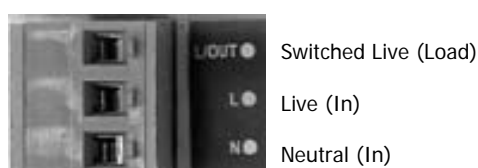
Surface mounting is effected using the optional surface back box. Side knockouts are provided for cable entry. Fixing lugs allow mounting to BESA boxes or metal boxes. Optional security screws can be fitted to prevent removal.

Connections

LL-CC-LV:



LL-C-240:



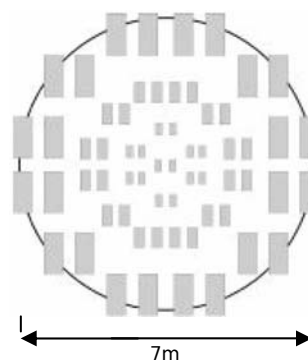
Setting Time Delay

Timing is adjustable between 10s and 30min using the screwdriver slot labelled TIME.

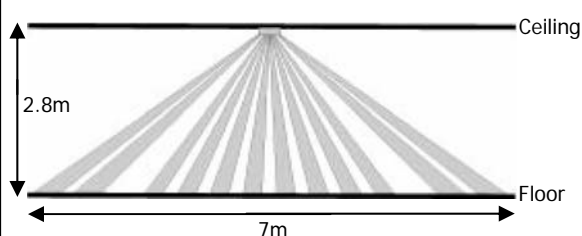
The LUX level can be set using the screwdriver slot labelled LUX. Turning this towards maximum will allow the lights to come on at a higher ambient light level. With the setting fully at maximum, the lights will come on regardless of ambient light level (i.e they will be activated on detection of movement only).

Detector Pattern

Top view:

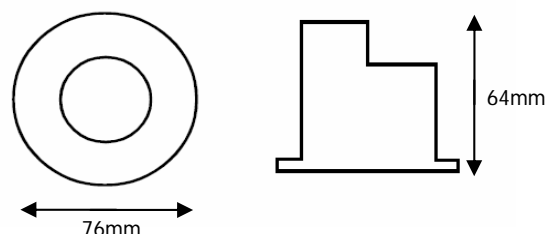


Side view:



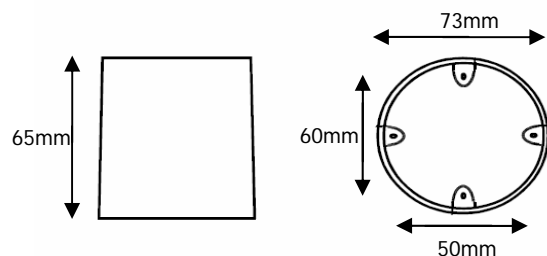
Dimensions

Main Housing:



Dimensions (continued)

Surface Back Box:



Flush Mounting Bracket:

