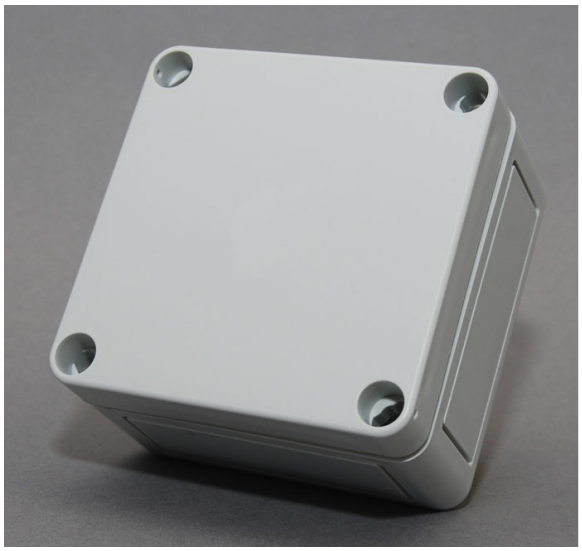
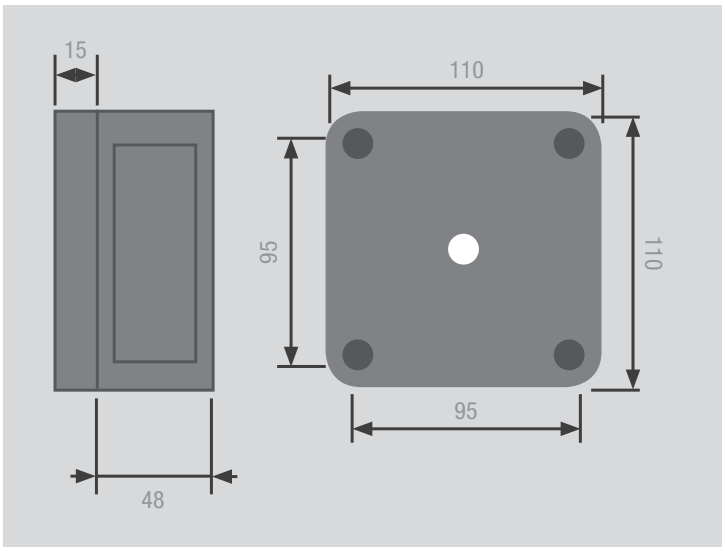
PRE4204 IP66 Microwave





Specification:

LOAD: 10A of lighting and or ventilation including incandescent, fluorescent, compact fluorescent, low voltage (switch primary of transformer).
SUPPLY VOLTAGE: 220-240 Volts AC 50 Hz
TIME OUT PERIOD: Adjustable 15 seconds to 30 minutes
LIGHT LEVEL: Optional adjustment by thumbwheel light to dark

TERMINAL CAPACITY: 4.0mm^2
IP RATING: IP 66
MATERIAL: Polystyrene
TYPE: Class 2
TEMPERATURE: -10°C to 35°C

Operation:

The PRE4204 microwave presence detector switches are designed to provide automatic control of lighting, heating or ventilation loads.

The PRE4204 detects movement using a highly sensitive microwave detector. This works by emitting low power microwave signals and measuring the reflections as the signals bounce off moving objects.

The PRE4204 is optimised to give very sensitive detection in ceiling mount applications. When movement is detected the load is turned on. When an area is no longer occupied the load will switch off after an adjustable time out period.

An optional internal light sensor provides additional energy saving in lighting applications When an area is occupied lighting is only switched on when the level of natural light is below a preset level.

Installation Instructions:

Wire the PRE4204 products as in the diagram.
To switch from more than one position simply wire two or more units in parallel to achieve two way and intermediate switching. The detector should be sited so that the occupants of the room fall inside the detection pattern shown overleaf, at a recommended height of 2.8m for ceiling mounted sensors. Note that the higher the sensor is installed the shorter the detection range will be.

- Do not site within 1m of any lighting or ventilation equipment.
- Do not fix to a vibrating surface.
- Site as far away as possible from the surface of metal objects.
- Ensure that all cable entry to the enclosure is via suitable cable glands and seal with silicone sealant where appropriate.
- If it is necessary to screw through the rear of the enclosure ensure that any holes are covered with the caps provided and sealed with silicone sealant where appropriate.

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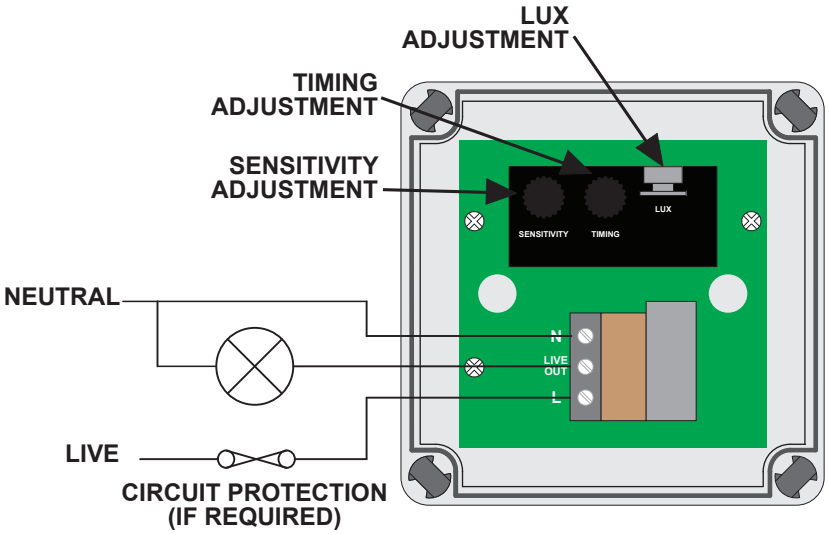
Installation Instructions Continued:



Warning. This device works at mains potential. Be sure to take care when working with electricity.

1. Make sure the load is connected and in working order.
2. Isolate the mains supply to the circuit at the main consumer unit.
3. Connect the controller via the terminal block. Live supply to the L terminal, Neutral to the N terminal and the load to the LIVE OUT terminal.
4. Set the LUX level thumbwheel fully clockwise.
5. Set the time to minimum (fully anticlockwise) and the sensitivity to maximum (fully clockwise).
6. Screw the unit to the wall and switch the mains supply back on at the distribution board.
7. The load should come on immediately.
8. Vacate the room or remain very still and wait for the load to switch off (should take no more than 2 minutes). Check that the load switches on when movement is detected.
9. Set the LUX level wait until the level of natural daylight is just enough that lighting is required. Starting with the LUX thumbwheel fully anti-clockwise. Very slowly turn the thumbwheel clockwise until the lights come on. Note that when the LUX thumbwheel is fully clockwise then the lights will always come on with occupancy.
10. Select the time out range using the thumbwheel, fully clockwise is the maximum.
11. **Note: on maximum sensitivity this unit is extremely sensitive to movement and may detect through thin walls or partitions. If this causes a problem reduce the sensitivity by turning the thumbwheel anticlockwise.**

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