



Model: PM460LEDP

Surface Circular Microwave Control LED Light Fitting

We are delighted that you have purchased this Light fitting. Please read this instruction manual before installation and retain for the user/maintenance engineer for future reference.

Installation must be carried out by a skilled electrician who is familiar with the appropriate standards and technical requirements of the appliance and also taking in to consideration the latest building regulations.

Not suitable for use with dimmer switches, Install in accordance with I.E.E. Wiring Regulations.

This product **must be** earthed and **NOT** be subject to an electrical insulation test (500/1000v)

Ensure that ALL electrical connections are tight with no loose strands, including factory made connections.

The sensor built in the light is an active motion detector. It emits high-frequency electromagnetic wave (5.8GHz) and receives their echo. The sensor detects the change in echo from even the slightest movement in its detection zone. A microprocessor then triggers the 'switch light ON' command. Detection is possible through doors, panes of glass or thin walls.

Ensure there is adequate free air circulation of at least 100mm around the luminaire. All luminaires run hot. It is the installer's responsibility to ensure the fitting is in a well-ventilated area and to consider fire risk and take appropriate precautions.

Before commencing installation or maintenance, ensure electricity is switched off at the mains.

The nearest illuminated surface must be at least 0.5m from the front of the fitting.

Always switch off mains supply before servicing, fitting.

Allow the light fitting to cool before removing the diffuser.

Emergency version available, part number: **PM460LEDPE**

Installation Instructions

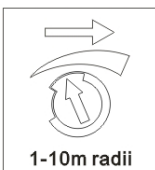
Ensure the mains supply is switched off.

Ensure there is at least 100mm of free space around the luminaire.

Check for buried cables before drilling fixing holes.

Connect the supply cables to the appropriate connection terminals.

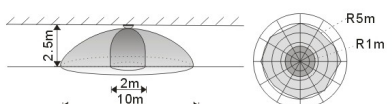
Refit the hinged plate ensuring the plate is correctly located and the screws fully tightened.



Switch the mains supply on and check the fitting light is illuminated.

Reach setting (sensitivity)

Reach is the term used to describe the radius of the circular detection zone produced on the ground. After mounting the sensor light at a height of 2.5m, turn the reach control completely in anti-clockwise direction to select minimum reach (approx. 1 m radius), and turn the reach control completely in a clockwise direction to select the maximum reach (approx. 10m radius).



NOTE: The above detection distance is measured using a person who is between 1.6m~1.7m tall with an average build, moving at a speed of 1.0~1.5m/sec. if any of these variables are changed, the detection distance will also resultantly change.



Time setting

The light can be set to stay ON for any period of time between approx. 8sec (dial turned fully anti-clockwise) and a maximum of 12min(dial turned fully clockwise). Any movement detected before this time elapse will re-start the timer, It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test.



NOTE: After the light switches Off, it takes approx. 1sec before it is able to start detecting movement again. The light will only switch on in response to movement once this period has elapsed.

Light-control setting

The chosen light response threshold can be infinitely from approx. 2-2000lux. Turn it fully anti-clockwise to select dusk- to-dawn operation at about 2 Lux. Turn it fully clockwise to select daylight operation at about 2000lux. The knob must be turned fully clockwise when adjusting the detection zone and performing the walk test in daylight.

Technical Specification:

| | |
|---------------------|-------------------------|
| Voltage: | 200-253 V AC 50Hz |
| Lamp: | 30x0.58W LED |
| Wattage: | 12.5W |
| Colour Temp: | 6000 - 7000K |
| Lumen Output Mains: | 1005lm |
| Transmitted power: | Less than 10mW |
| Detection angle: | 360 degree |
| Detection distance: | 2-10m(diameter) |
| Work delay: | 8 seconds to 12 minutes |
| Class: | 1 |
| Temp Range: | 0°C - 40°C |
| Fuse: | 5x20mm 1A |
| Dimensions: | φ 343x106mm |
| IP: | IP65 |

Due to our policy of continuous improvement we reserve the right to change specification without prior notice.

Errors and omissions excepted. These instructions have been carefully checked prior to publication. However, no responsibility can be accepted by E-Matic for any misinterpretation of these instructions.

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