



DATA SHEET

Mains PIR LC-MPIR/VF



This Lighting Controls MPIR/VF can be flush mounted into suspended and plasterboard ceilings. Configurable for any room occupancy style, via time and lux level adjusters, a passive infra-red quad sensor detects movement of any warm body within the detection zone and a photocell monitors the ambient light level.

When movement is detected and the ambient light is less than the chosen level (10 to 1000 lux), this PIR switches on the load. The ambient light threshold can be set by the user between around 100 lux and infinity (when the photocell is inactive and the load is switched on regardless of light level). If no further movement is detected within a pre-selected time (adjustable from 10 seconds up to 40 minutes), the PIR switches the load off again.

The LC-MPIR/VF mounts into a 73/75mm diameter hole in a ceiling void (requiring a depth of at least 95mm) and is also suitable for switching loads other than lighting, such as fans.

IMPORTANT: The information contained in this data sheet is subject to change at any time without notice

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TECHNICAL SPECIFICATIONS

LC-MPIR/VF

LC-MPIR/VF Variants

- LC-MPIR Standard flush mounted PIR switch
- LC-MPIR/PS Includes a Klik-AX plug.
- LC-MPIR/10A Up-rated to switch 10A resistive loads.
- LC-MPIR/IP Suitable for bathrooms, zones 2 and 3.

Load capabilities

These PIR switches can switch up to 6 amps (1.5kW), or 10 amps (2.5kW) for the LC-MPIR/10A of:

- Fluorescent lamps, either high frequency or switch start
- Incandescent or mains halogen lamps (integral safety fuse recommended)
- Electronic or wire-wound transformers

They can also switch fans of up to 1 amp (250W) or most metal halide lamps.

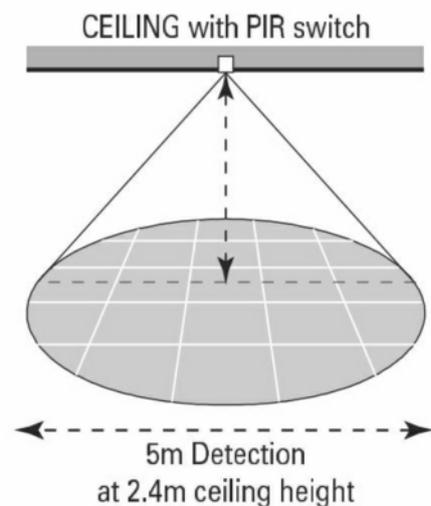
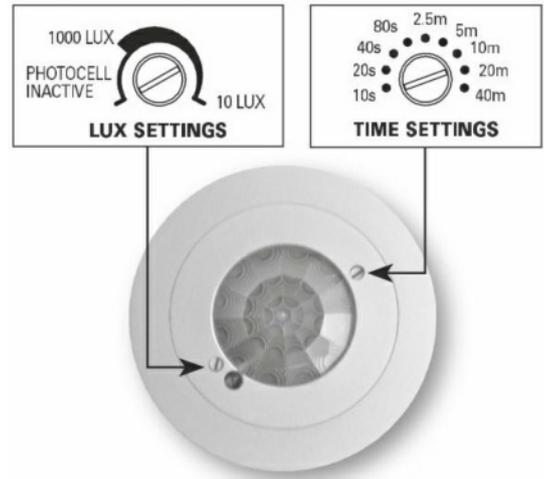
Operating Voltage	220V AC, 50Hz
Minimum Load	2W resistive, suitable for most energy-saving lamps, LEDs and emergency fittings
IP Rating	IP20
Detection Range	360° with 5m diameter when at a 2.4m ceiling height
User-Adjustable Time Delay	From 10 seconds to 40 minutes in 9 steps
User-Adjustable Lux Level	30 to 1,000 lux and infinite (light level independent)

Setting up the Unoccupied TIME Adjustment

When adjusting the TIME control, note that the time that the space is unoccupied before the PIR switches off the load halves for each increment from the maximum of 40 minutes down to the minimum of 10 seconds (see top diagram). The TIME adjuster should be set for the kind of environment in which the PIR is being used. Below there are some typical examples:

Offices with staff regularly walking around	20 mins
Offices with mainly desk based staff	40 mins
Corridors	5 mins
Washrooms with total coverage	10 mins
Washrooms with entrance coverage only	40 mins

NOTE: 2D fittings should not be set to a TIME of less than 20 minutes to avoid lamp failure or severely shortened life



Lux set-up

1. For loads which should turn ON when ambient light is below a preset level, it is easiest to set the LUX control when the ambient light is at that desired level.
2. Set LUX control to minimum and wait for the load to turn off.
3. Stand to the side of the PIR and wave your hand below it and slowly decrease the LUX control until the load switches on.

NOTE: For loads which should turn on regardless of light level, set LUX control to maximum.