

# Ceiling Surface Mounted 230v Indoor PIR Occupancy Switch

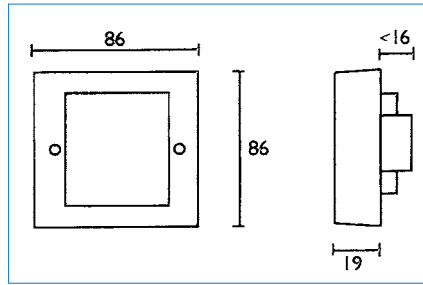
Can be mounted on optional square pattress box

**Up to 70% Energy Savings**

**Saves energy and money:** By ensuring lights are turned off automatically when room is empty.

**Convenient:** No more fumbling in the dark as the PIR will turn the lights on for you automatically

**Ideal for:** Factories, Hotels, Schools, Offices, Toilets, Kitchens, Corridors, Pubs & Clubs, Houses, Garages etc



Order Code:

**PIR/D/SM**

## Specification

Detection Zone:	360°
Time lag range:	10 seconds to 40 minutes in 9 steps
Photocell range:	30 to 1000 lux, and inactive
Loading:	Up to 6 amps (1500W) of resistive loads. Up to 6 amps (1500W) of fluorescent loads. Up to 3 amps (750W) of electronic and wire wound transformer loads. Up to 2 amps (500W) of CFL, 2D lamps, LED Drivers and LED lamps and fittings. Up to 1 amp (250W) of fans.
Minimum Load:	2W resistive, suitable for most energy saving lamps, LED's, contactors and emergency fittings
Dimensions:	86 × 86 × 22mm. Requires back box depth 16mm

## Options

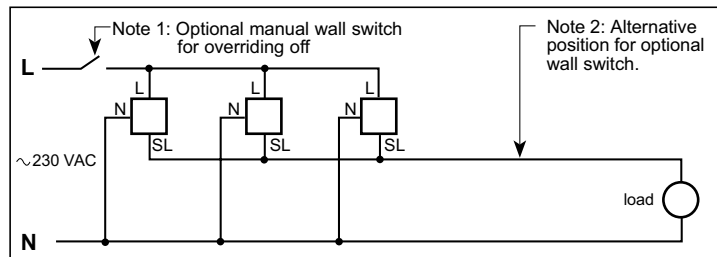
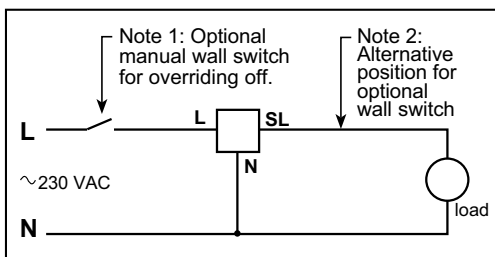
<b>PIR/D/SM/24V</b>	24v model. Please specify whether 24vAc or 24vDC is required
<b>PIR/D/SM/12V</b>	12v model. Please specify whether 24vAc or 24vDC is required

## Wiring Diagrams

If required, several PIRs can be wired in parallel to control the same load.

Wiring diagram: Single presence detector

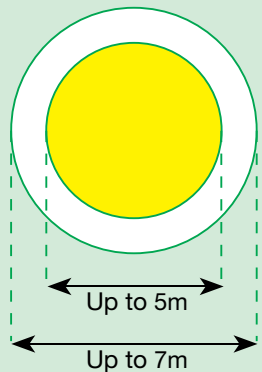
Wiring diagram: Multiple presence detectors



## Detection

PIR Quad detector gives 124 detection areas within the zone

**Plan view of detection zone**



Up to 5m  
Up to 7m

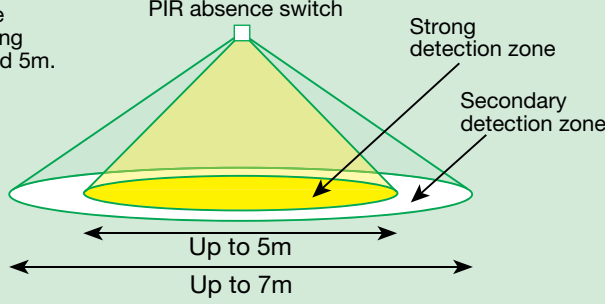
● Strong detection zone  
i.e. person moving arm

○ Secondary detection zone  
i.e. person walking (less sensitive when walking straight towards PIR switch)

**PIR Quad detector gives 124 detection areas within the zone**

**Perspective view of detection zone**

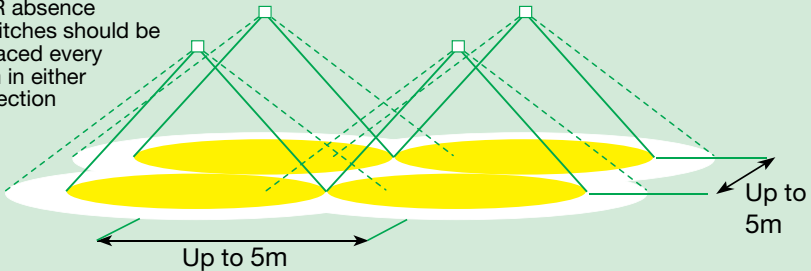
For optimum coverage recommended mounting height between 2.4 and 5m.



PIR absence switch  
Strong detection zone  
Secondary detection zone  
Up to 5m  
Up to 7m

**Several PIR absence switches**

**In open plan areas**  
For best coverage the PIR absence switches should be spaced every 5m in either direction



Up to 5m  
Up to 5m



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