Watersavers
Part of Daro Group

Product Codes:
PIR-RC

RECESSED CEILING PIR SWITCH

Product Specification

Watersavers supplies a range of simple **PIR switches** to switch on **water**, **lighting**, **heating**, **ventilation** or **air-conditioning** loads when an area is occupied and **switches off** supplies when the area is vacated.

This recessed ceiling **PIR switch** can be used for controlling solenoid shut off valves for **BREEAM** credits.

The **recessed ceiling PIR switches** can control **multiple solenoid** shut off **valves** wired in parallel. Several PIR switches may be wired in parallel to cover larger areas if required.

Product Features

- Use to turn off water and energy when area is unoccupied Prevents damage due to burst pipes or vandalism
- Save up to 75% on water & energy costs
- Can control up to 6 amp (1500 W) of any type of load including fans and fluorescent lamps
- Adjustable delay 10 secs to 40 mins
- Adjustable LUX level – stops lights coming on when there is sufficient daylight
- Standard 240 VAC power
- Simple connection – only 3 wires live, neutral and switched live Contactor may be used to switch larger loads
- Several PIR switches spaced 5 m apart may be connected in parallel to extend area of coverage
- 12-month warranty

Specification

- For flush mounting in plasterboard or suspended ceiling
- 360° detection zone
- **Loading**: 6 amp maximum (any load)
- **Time delay**: 10 seconds to 40 minutes
- **Photocell range**: 100–1000 lux and inactive
- **Dimensions**: 72 mm diameter x 68 mm depth
- Requires 63–64 mm (2.5") hole in ceiling & 68 mm void height

Watersavers Ltd
Church Field Road
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Designed & Manufactured in the UK

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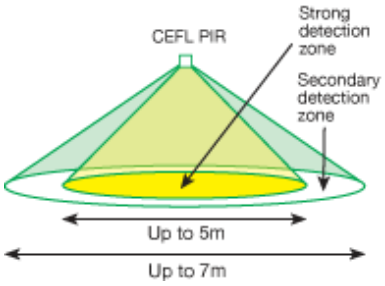
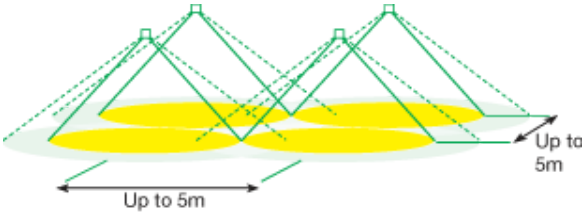
PIR TECHNICAL SPECIFICATION

Detection area	360°
Time lag range	10 seconds to 40 minutes (nine steps)
Photocell range	100-1000 lux and inactive
Loading	Up to 6 amp (1500 W) of resistant, fluorescent in inductive lighting loads, or up to 1 amp (250 W) of fans
Dimensions	72 mm diameter x 68 mm

CEILING MOUNTED PIR OCCUPANCY SWITCH



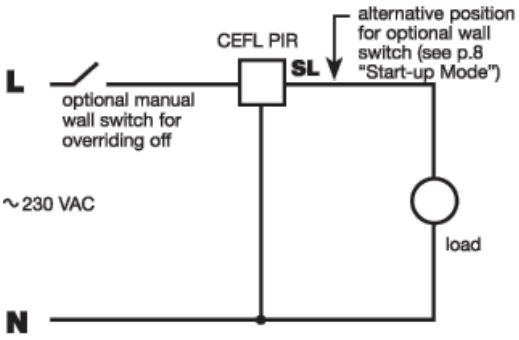
Recommended mounting height between 2.2 m and 5 m.



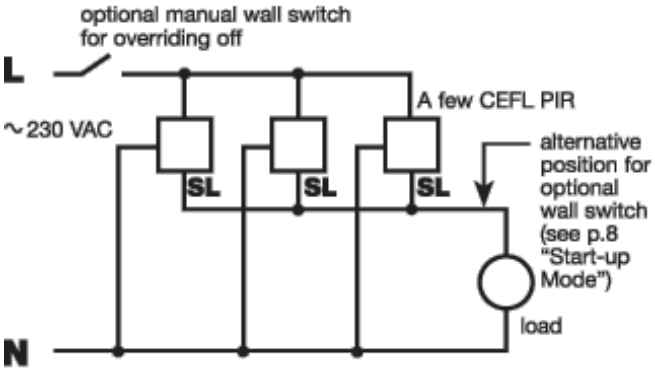
In open plan areas. For best coverage the PIR occupancy switches should be spaced every 5 m in either direction.

WIRING DIAGRAMS SINGLE AND MULTIPLE

Single Ceiling Mounted PIR Occupancy Switch

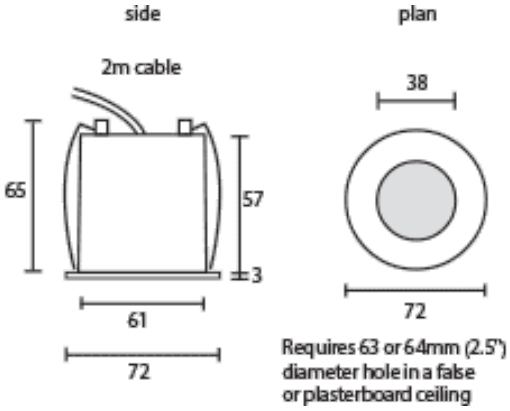


Multiple Ceiling Mounted PIR Occupancy Switches in parallel



FITTING REQUIREMENTS

Requires 63 or 64 mm (2.5”) diameter hole in a false or plasterboard ceiling.



START-UP

When the mains supply is connected to the PIR occupancy switch it will initiate a start-up sequence. This means it switches on for approximately one minute, switches off and activates the operating mode. If a manual wall switch is feeding the switch (see wiring diagrams) it will initiate the start-up sequence each time the wall switch is switched on. By wiring the manual wall switch in the alternative position, the supply to the switch is uninterrupted and it remains in operating mode.

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