

# Product Specification

## Recessed Ceiling PIR Switch

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 Code

PIR-RC

### Features

- ◆ Use to turn off water & 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 amps (1500W) of any type of load including fans and fluorescent lamps
- ◆ Adjustable delay 10 secs - 40 mins
- ◆ Adjustable LUX level - stops lights coming on when there is sufficient daylight
- ◆ Standard 240v AC power
- ◆ Simple connection - only 3 wires live, neutral and switched live
- ◆ Contactor may be used to switch larger loads
- ◆ Several PIR switches spaced 5m apart may be connected in parallel to extend area of coverage
- ◆ 12-month warranty
- ◆ Manufactured in the UK

### Specification

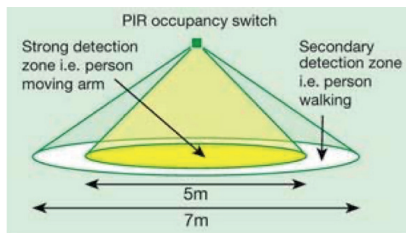
- ◆ For flush mounting in plasterboard or suspended ceiling
- ◆ 360° detection zone
- ◆ Loading: 6A maximum (any load)
- ◆ Time delay 10 seconds - 40 minutes
- ◆ Photocell range: 100 - 1000 lux and inactive
- ◆ Dimensions: 72mm diameter x 68mm depth
- ◆ Requires 63 - 64mm (2.5") hole in ceiling & 68mm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

 Saving more than water

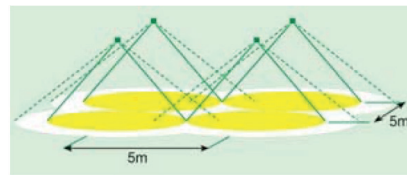
# Technical Specification

Detection area	306°
Time lag range	10 seconds to 40 minutes (nine steps)
Photocell range	100 to 1000 lux and inactive
Loading	Up to 6 amps (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



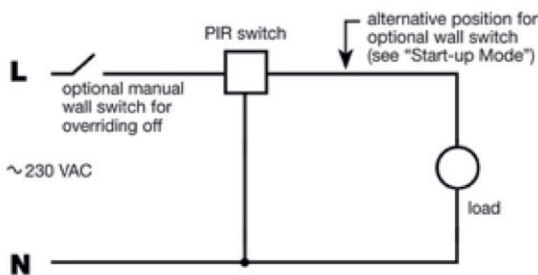
Recommended mounting height between 2.2 m and 5 m.



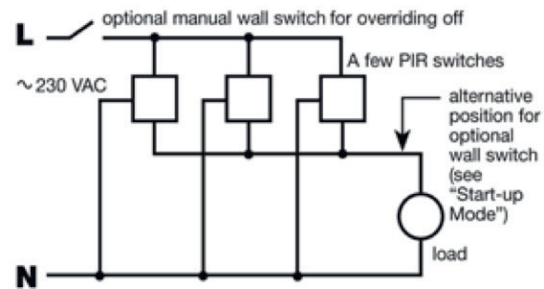
In open plan areas. For best coverage the PIR occupancy switches should be spaced every 5 m in either direction.

## Wiring Diagrams Single and Multiple

### Single PIR-RC

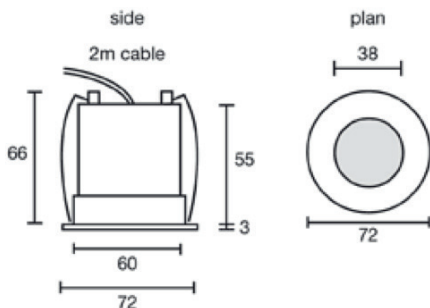


### Multiple PIR-RC in parallel



## 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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