

**Product Codes:**

1/2" AWS-15

3/4" AWS-22

1" AWS-28



# AUTO WATER SHUT OFF KIT

## Product Specification

Avoid costly water bills caused by leaking outlets from faulty, damaged or tampered taps and WCs with the **Watersavers Auto Water Shut Off Kit**.

The **Auto Water Shut Off Kit** works by only allowing water to flow to the washroom when occupants are detected, so any leaks and drips are limited to just when washroom users are present - greatly minimising water wastage.

A low-profile, **recessed ceiling infra-red detector**, in conjunction with a **Danfoss solenoid valve** to control the water supply.

The kit is also equipped with (for ease of installation):

- 2 meters long, pre-wired din-connector.
- 2 junction boxes (1 three pole + 1 four pole) with quick fit WAGO connectors.



## Product Features

- Use to turn off water and energy when area is unoccupied
- Minimises water wastage from leaking, faulty or damaged outlets that have been subject to wear or vandalism
- **Save up to 75%** on water & energy costs
- Fulfils requirement 3d of the **BREEAM** Wat 03
- Standard 240 VAC power
- Several PIR switches spaced 5 m apart may be connected in parallel to extend area of coverage
- 12-month warranty

## PIR 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: 72mm diameter x 68mm depth
- Requires 63- 64mm (2.5") hole in ceiling & 68mm void height

## Solenoid Shut Off Valve Specification

- 2/2 NC Normally Closed (fail safe) operation
- Minimum pressure - 1/2"-1" (0.35 bar)
- Maximum pressure - 1/2" (16 bar) / 3/4"-1" (12 bar)
- Maximum temperature 90°C
- 230/240 V coil – other AC & DC coil voltage options available
- WRAS approved
- Supplied with DIN connector



Saving more than water



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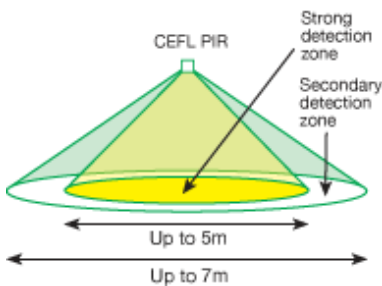
Designed & Manufactured  
in the UK



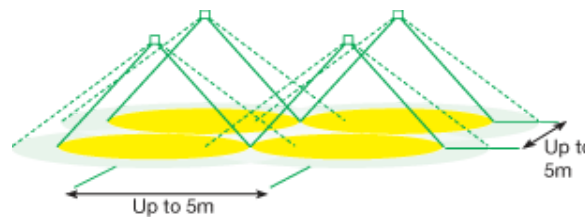
## PIR TECHNICAL SPECIFICATION

|                 |                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------|
| 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



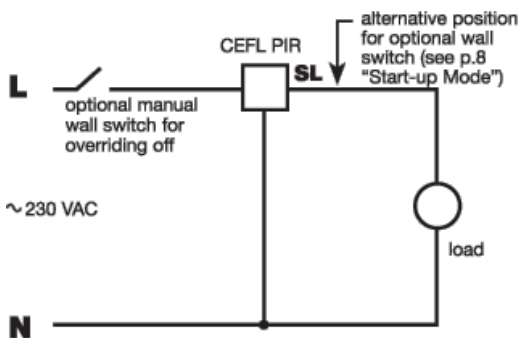
Recommended mounting height between 2.2 m and 5 m.



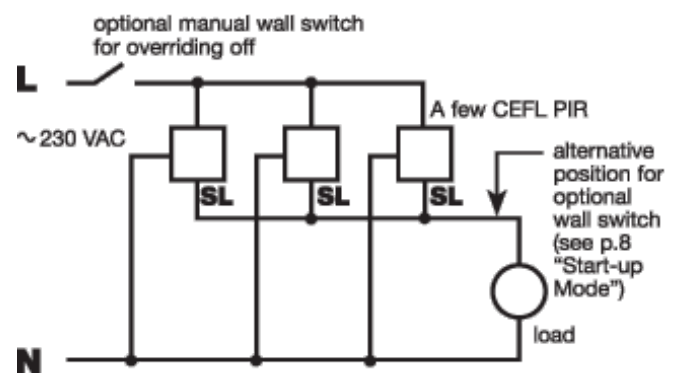
In open plan areas. For best coverage the PIR occupancy switches should be spaced every 5 m in either direction.

## WIRING DIAGRAMS SINGLE AND MULTIPLE

Single Ceiling Mounted PIR Occupancy Switch

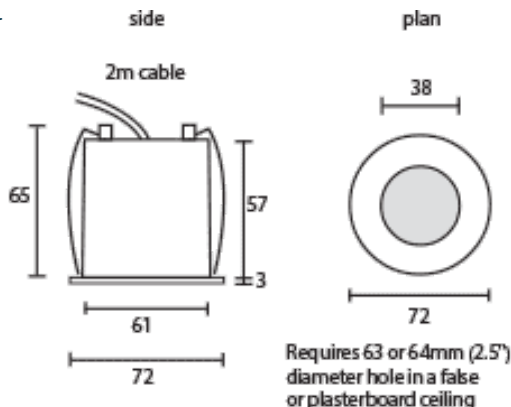


Multiple Ceiling Mounted PIR Occupancy Switches in parallel



## FITTING REQUIREMENTS START-UP

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



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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