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Automatic PIR based WC Water Shutoff System Type: BPIR Installation and Operation Manual



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1) Setting Up the System



Do not adjust
must be set for
daylight fully
clockwise

Do not adjust
must be set for
maximum
sensitivity fully
clockwise

Adjust time delay, clockwise for
maximum delay (Max 45 Mins),
anti-clockwise for minimum
(Min 10 second) delay

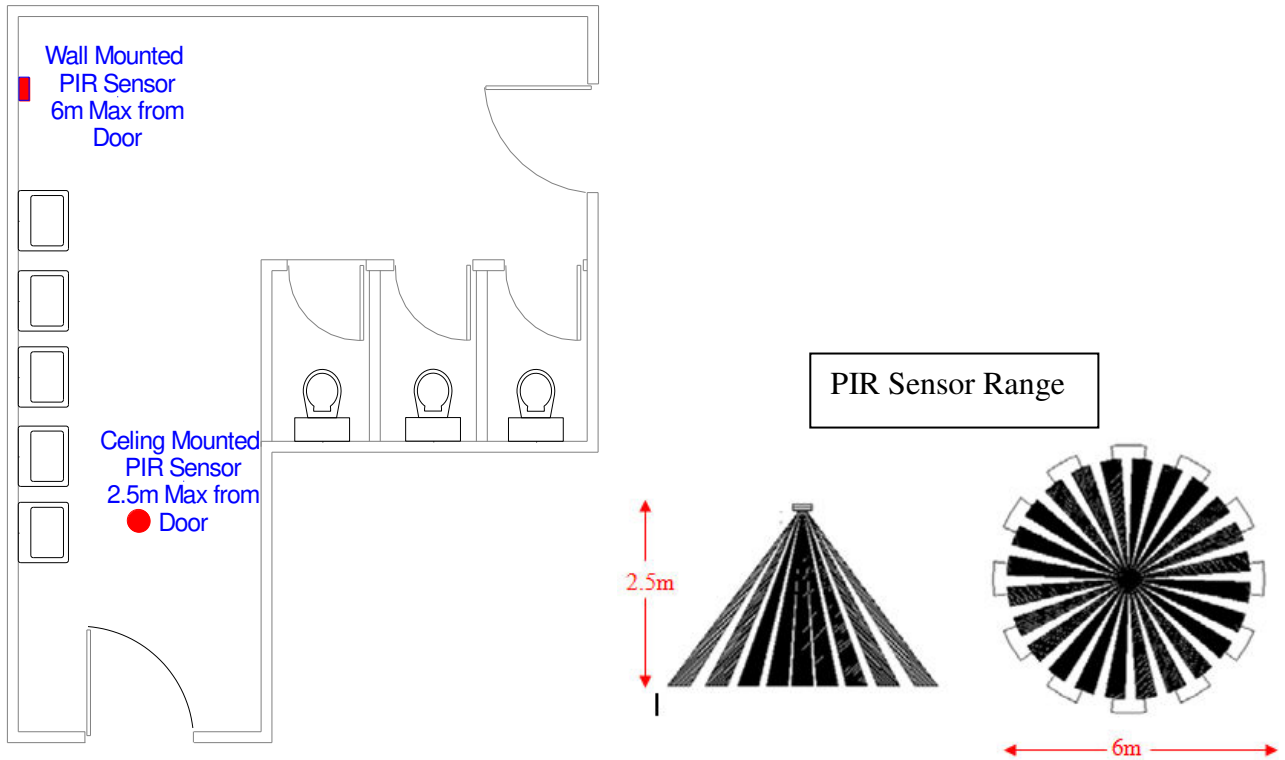
2) Water Shutoff Valve

The shutoff valve is fitted with a 40cm long two core cable requiring a junction box to complete the installation. The coil voltage is 230VAC with a power consumption of 2watts.



3) Position the PIR Sensors

The best position for the PIR sensor is on the ceiling near to the door. If wall mounting is required, position the PIR on the wall opposite the entrance door ensuring the PIR is no more than 6m away from the entrance and has a clear view from the door opening.



4) Installation

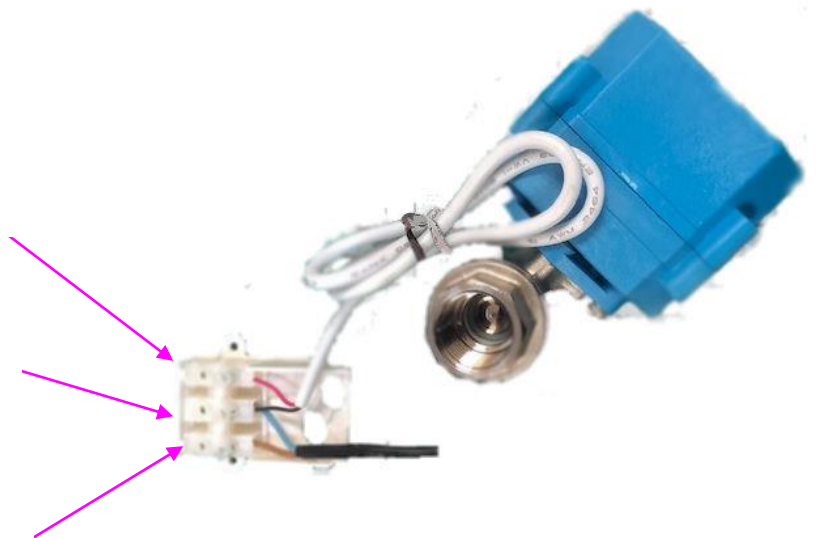
THIS EQUIPMENT SHOULD ONLY BE INSTALLED AND WORKED ON BY A QUALIFIED ELECTRICIAN.

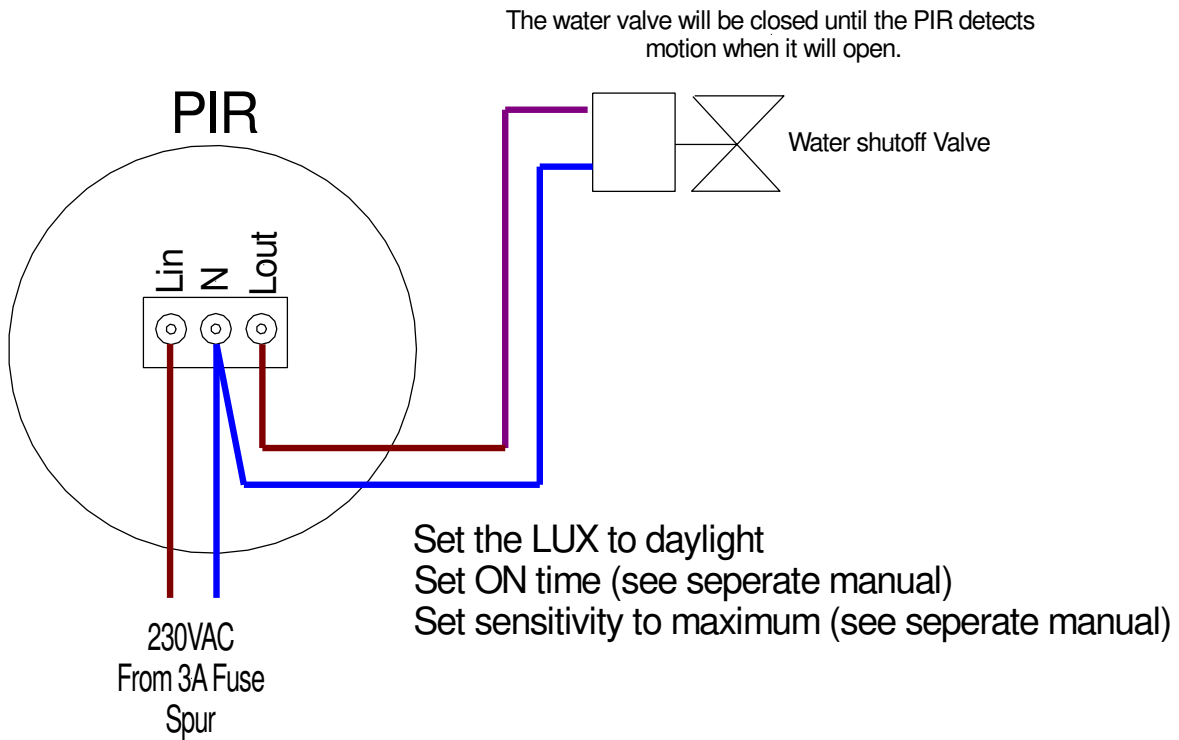
A suitably rated 230VAC power cable supply should be run from a fused spur to the unit and terminated to the internal terminal block marked “Lin”, “N” & “Lout”. The fuse within the fused spur should be rated at 3 Amps. The shutdown valve is connected to the far-right hand terminal (Lout) and the “N” terminal.

“Lout” terminal to the valves Red cable

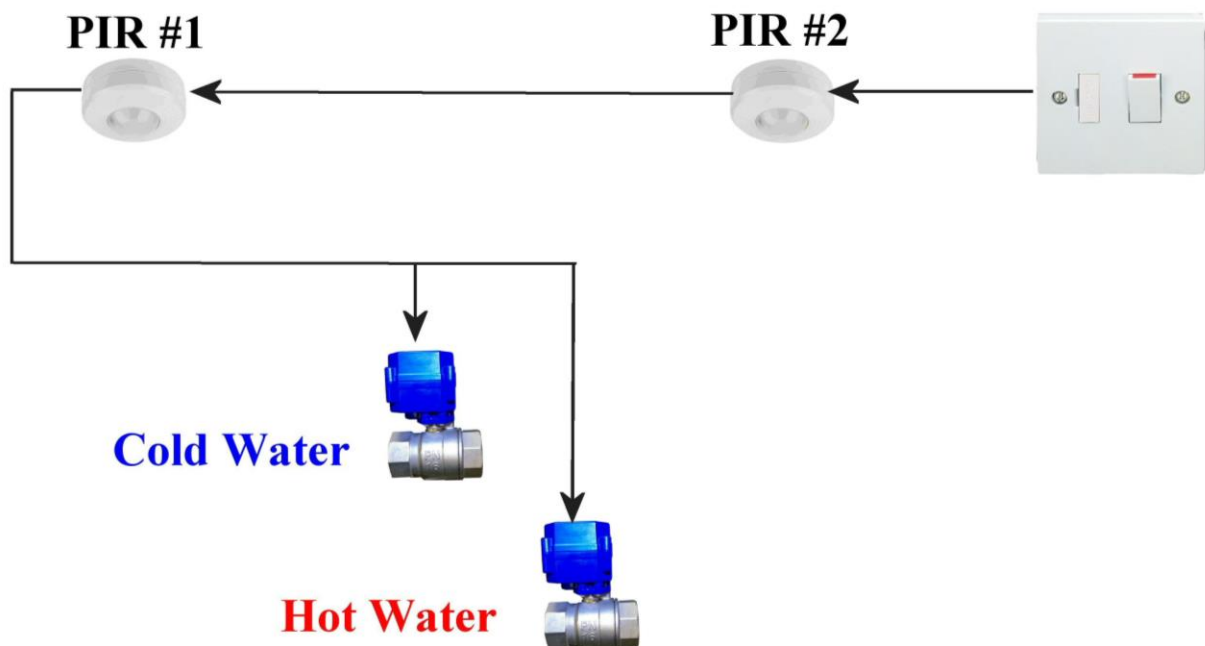
“N” terminal, Incoming Neutral and connect to the valves Black cable

“Lin” terminal incoming Live





Multiple PIR sensors and Shutoff valves



For systems with multiple PIR sensors, connect all PIR “Lin” and “N” terminals to the common mains fused spur. Link all the “Lout” terminals and wire to the red shutoff valve cable, connect all shutoff valve blue wires to any PIR “N” terminal.

5) Maintenance

The system should be fully tested at least once a year for correct operation and a check made to ensure that the shutoff valve operates correctly.