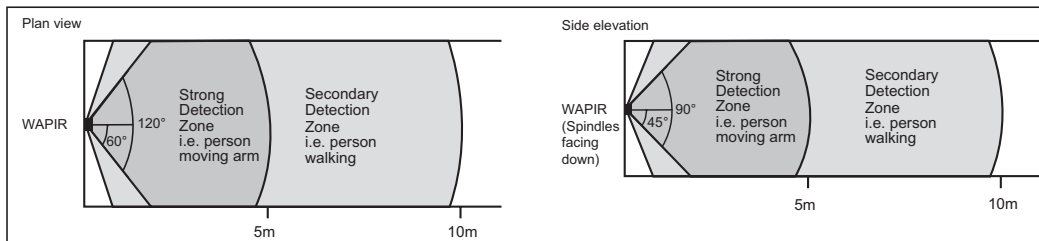


WAPIR

wall mounted PIR occupancy switch

Wall occupancy switches will switch on any connected load as a simple replacement for an existing one-way switch. No neutral wire is needed. The WAPIR model also has a manual override off switch on the front plate. The WAPIR has a minimum load requirement (see point 9 below).

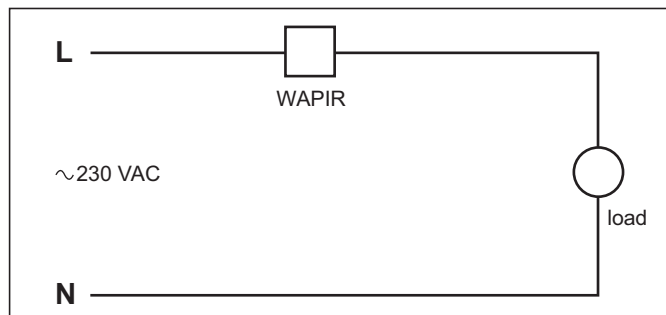
Detection diagram:



NOTES:- The switch contains a re-chargeable nickel-hydrate PP3 size battery which is on trickle charge when the load is off. The switch must receive a permanent live supply. The switch should only be used in applications where the load would not be on for more than 12 hours a day. This is to allow its rechargeable battery to recharge itself from the mains supply. Extended power cuts can also discharge the battery.

1. Read these notes before commencing work.
2. In case of doubt, consult a qualified electrical contractor.
3. **IMPORTANT - SITING.** The switch should be placed facing the area where activity is expected. If the photocell override facility is required, the switch must be sited in a position where the daylight gives greater illumination than the artificial light. The WAPIR is suitable for wall mounting only.
4. When mounted on the wall, at an ideal mounting height between 1 and 1.8m, the detection diagram is as above.
5. Make sure power is switched off from the circuits you are working on by removing appropriate fuses, or switching off appropriate isolating switches.

6. Connect the switch according to the wiring diagram opposite.

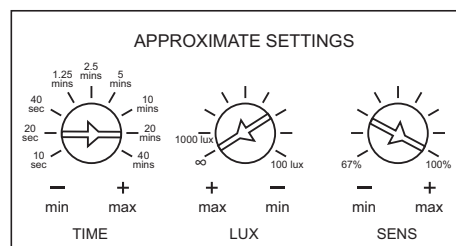


7. Several WAPIR can be wired in parallel to control the same load. See point 9 for minimum load requirements.
8. There are three adjustments on the underside edge of the switch as shown in the diagram (below).

TIME Setting the "TIME" adjustment determines how long the lights remain on after the switch has last detected movement. This ranges from 10 seconds to 40 minutes in nine discrete steps as follows:-
10, 20, 40 seconds, 1.25, 2.5, 5, 10, 20, 40 minutes.
(These times are approximate to +/- 20%.)

LUX Incorporated into the switch is a photocell override function which stops the lights coming on whenever there is sufficient daylight. If the "LUX" knob is set fully anti-clockwise the lights will come on no matter how bright it is in the room. With the knob turned clockwise it has to get darker in the room before the occupancy switch will be able to turn the lights on.

SENS Turn fully clockwise for maximum range and sensitivity of the person detector.
Turn anti-clockwise for reduced range and sensitivity.



9. The maximum load is 6 amps (230–240VAC) of any type of load. The minimum load is 40W resistive or 100W inductive or for wiring in parallel 50W resistive or 120W inductive per WAPIR in the circuit.
10. The battery should have a lifetime of several years. It should only be replaced with a similar rechargeable battery.

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