

PIR Switch User Manual

Application:

Ideal for use in public buildings, stairwells, corridors, warehouses, garages or areas where lights only required when occupied. The PIR switch will allow lights or fans to operate up to a point where no moving body heat is detected.

Suitable for all types of lighting or exhaust fans.

Properties:

Reduce Energy Bills, Durable, Save and Reliable.

The PIR switch will continuously monitor for human body heat changes, switch on the connected load automatically when an area is occupied, and then switch it off when the area has been vacant for a chosen duration.

The Photocell included will only operate in dim light (adjustable)

- In room temperature of 20°C, detection range is within 8 m, in higher temperature, the detection distance may be reduced.

The switch on the face plate is for selecting between "Always On" mode and "PIR" mode.

Specification:

Fit standard 1 gang box, 25mm depth required.

Rating: Max. 10A (2400W) for incandescent lamps.

Max. 3A (720W) for energy save lamp, fluorescent lamp, LED lamps & fans
180~240Vac 50/60Hz.

Time lag: 2 to 8 minutes (adjustable).

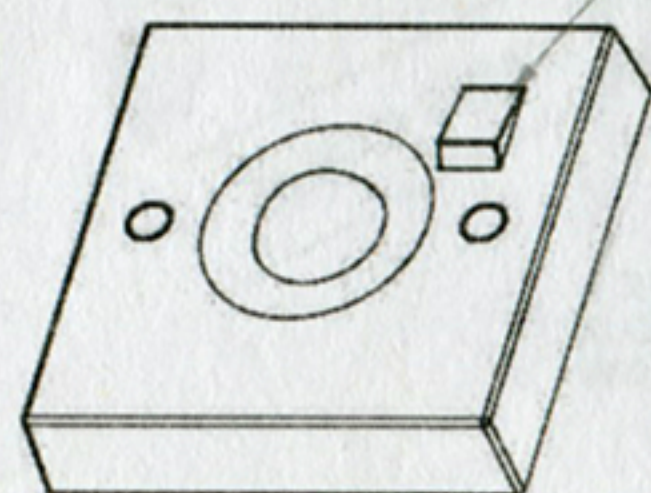
Coverage: 120° cone angle, within 8m distance.

Standby power consumption: < 0.2W

Photocell range: 5 to 1000 lux (adjustable).

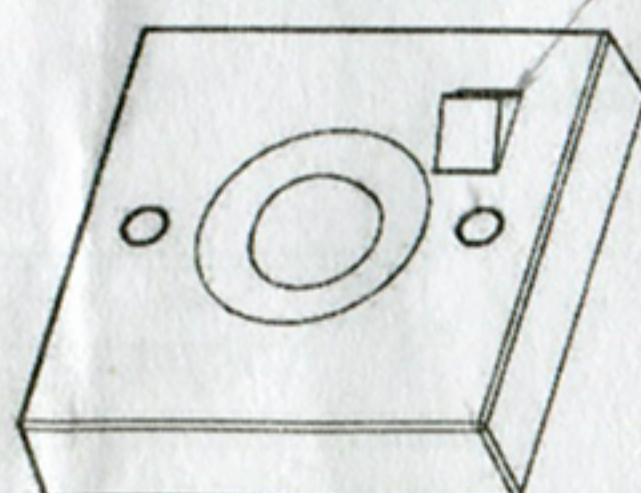
Switch position adjustment (If fitted)

ALWAYS ON MODE ACTIVATED



When the switch is in this position, the light will stay on all the time.

PIR MODE ACTIVATED



When the switch is in this position, the PIR function is activated and start to detect motion.

Wiring instruction:

- 1 The circuit should be protected with a 10A fuse.
2. Isolate the mains supply by switching off at the main fuse box before starting work.
3. If you are removing an existing switch, check to ensure that no mains voltage is present.
4. Disconnect all cables noting their respective connections.
5. Connect PIR Switch with reference to the wiring diagram (3 wiring terminals),
- 7 Check all connections thoroughly.
8. Fit the PIR Switch in position, taking care not to trap any cables.
9. Switch on the mains supply at the fuse box and check operation of the PIR Switch.

IF IN DOUBT CONSULT A QUALIFIED ELECTRICIAN.

Remark:

The distance between the lamp or fan and this switch should be greater than 0.5M.

Do not overload for fluorescent lights, energy saving lamps and exhaust fan, total load must not be greater than 720W.

During first installation, the light will flash 3 times and then switch off in day time under sufficient light -- this is normal.

You can use the "Time" dial function to control how long the light will stay on, "Short" is around 2 minutes, "Long" is around 8 minutes. Please adjust the dial to select your desired time level.

- Please note that when switching from "Always ON" mode to "PIR" mode, there will be a delay until the selected "TIME" span is expired (which could selected between 2-8 minutes) for "PIR" to take effect.

- Total load must not be greater than 720W

Wiring Diagram:

