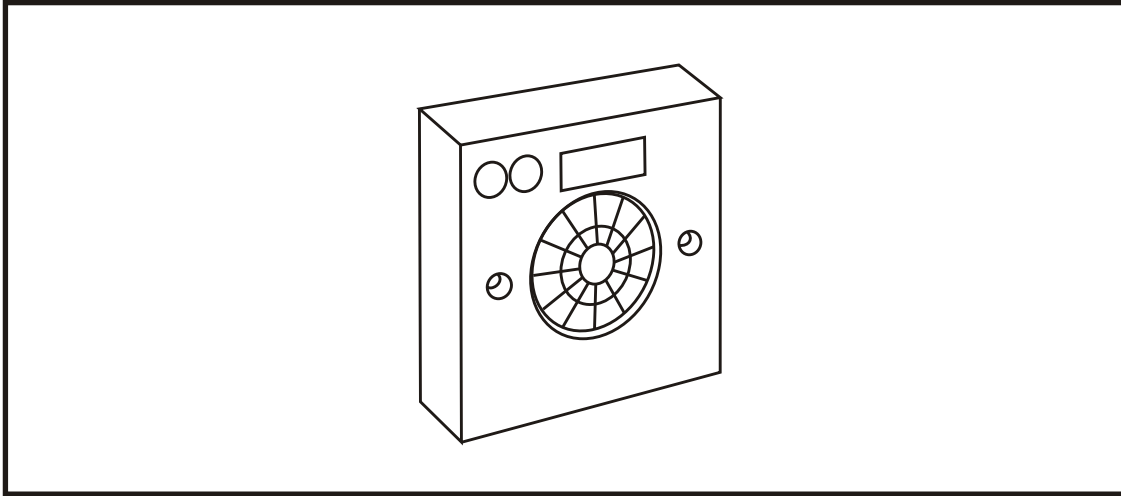


Installation Instructions



These instructions apply to the SET-IRL3. Setsquare recommend all installations are carried out by a suitably qualified electrician and that these instructions are followed. Failure to do so may lead to damage to either the circuits or installer.

Unit Description

The SET-IRL3 is an automatic switching system which operates by sensing movement of infra-red radiation from the human body. The unit incorporates detection and switching within one unit.

Location

The sensor should be mounted on a rigid surface where it has a clear view of the occupancy zone, and should preferably be mounted in front of rather than behind activity.

The sensor is designed to be recessed into suspended ceilings.

Position the sensor where it does not look out of a door.

Avoid placing adjacent to forced air heating or cooling systems (1metre or more in direct flows).

Mounting

The sensor can be mounted either on a surface or recessed mounting box.

Operation

The unit is fully automatic. Contacts will CLOSE when power is applied.

Fault Finding.

Q. Contacts will not CLOSE.
A. Check unit has a supply.

Q. Contacts OPEN when I am working but CLOSE when I move.
A. Reposition sensor.

Time Delay Settings

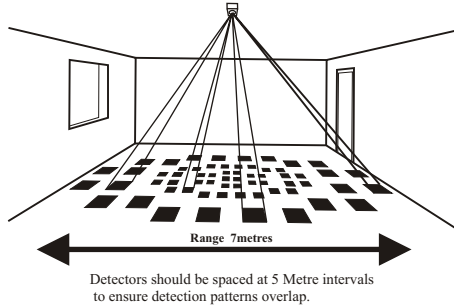
This units time delay is fixed at 12 minutes.

Electrical Connection

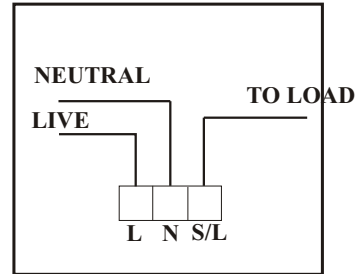
Important : Isolate supply before starting installation procedure.

1. Fix unit into position.
2. Connect the wiring as shown on the connection diagram.
3. Reinststate supply to unit. The sensor when powered up will switch ON. Allow 20 minutes for the unit to stabilise.

Detection Pattern



Wiring Diagram



Specification

Supply Voltage	240V ac 50 or 60 Hz (other supply voltages available)
Switching Capacity	8Amp inductive or resistive up to 240V ac
Time Delay	12 minutes +/- 10% fixed.
Order Code	SET-IRL3

Motion Sensor

Sensor	Passive infra red detector
Field of view	Ceiling mount 360 degrees.
Area of detection	Radius 1.2 x Ceiling height. (Typical radius 3.5metres at ave height)



Note:- This unit is not suitable for use with Metal Halide lamps.

The SET-IRL3 is one of a range of energy conservation products available from Setsquare.

This apparatus may be turned on by high powered RF interference and should not be installed near pager aerials or inductive loop equipment. It will recover when the RF ceases.



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