

These instructions apply to the SET-PDOCH sensor. 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-PDOCH is a small sensor which detects the movement of infra-red radiation from a human body. The sensor is designed to be used as a motion sensor to provide occupancy detection for lighting and other types of controller that need to sense the movement of a human body. This unit is fitted with a length of screened cable to provide a method of connection to a number of Setsquare products.

Locating Sensors

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.

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

Fitting Sensors

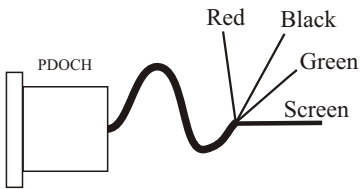
Sensors are fitted by drilling a 38mm diameter hole through the ceiling tile and then retained using the metal clip supplied.

Use with other systems.

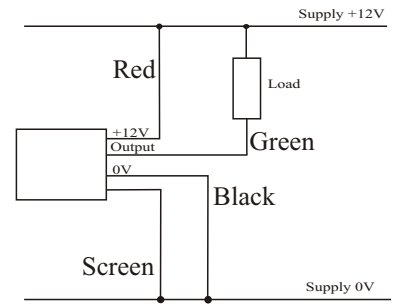
The SET-PDOCH unit has an open collector output which could be used to drive a relay or a pull-up resistor..

The output from the SET-PDOCH is not provided with any form of time delay, and so any load will switch ON and OFF as the infra red source moves within the detection zone. It will be necessary to ensure that correct connections are made to the output cable as mistakes may damage the unit.

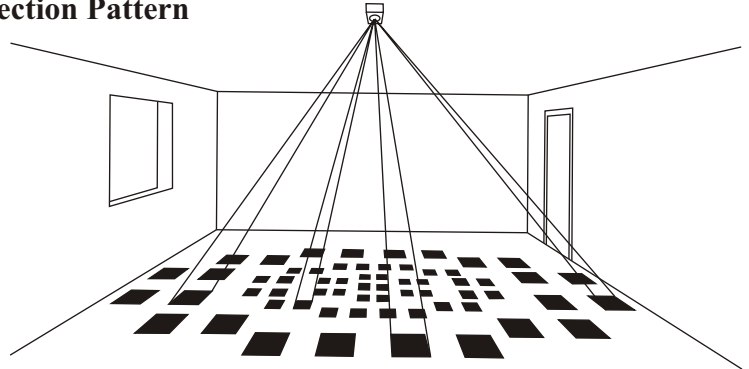
Connection details



The output will be high when not detecting any Infra Red signal, and will go low when Infra Red detected.



Detection Pattern



Specification

Motion Sensor

Detector	Passive Infra Red.
Supply Voltage	12 Volts dc. (other supply voltages available).
Supply Current	1mA Maximum not including load

Output

Maximum voltage	40V
Maximum current	25mA

Optical

Field of view	360 Deg
Coverage	Dependant on ceiling height Radius:- 1.35 * ceiling height



The SET-PDOCH 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.



For details of other products contact:-

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