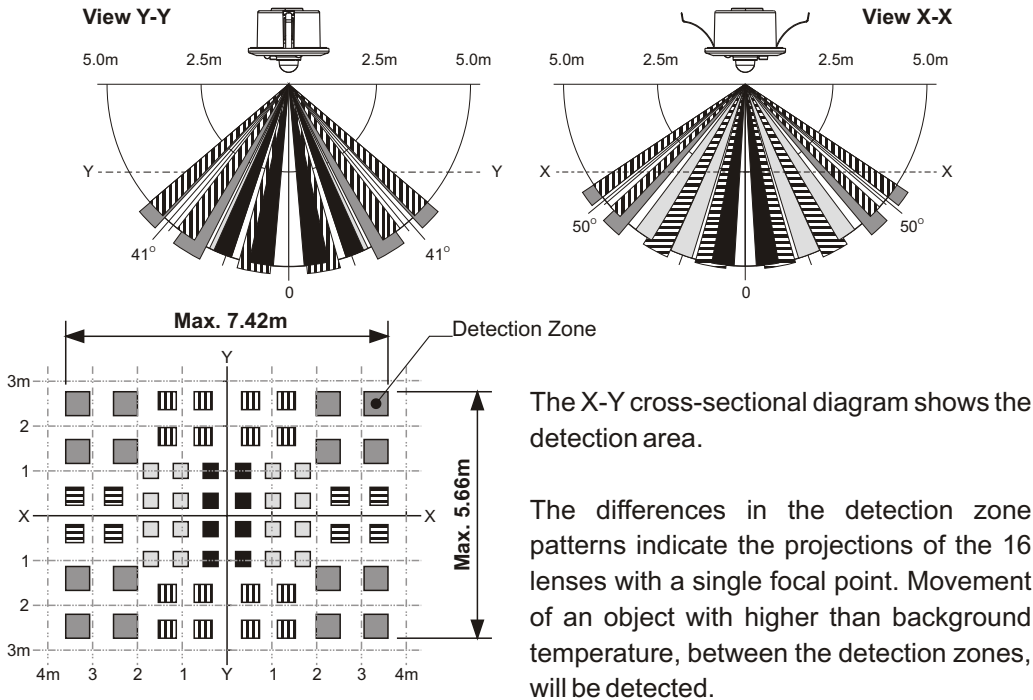


Detection performance



Supply plug wiring and ratings

Supply plug wiring for fos2000

Black wire	(Pin 2)	: Live Feed
Blue wire	(Pin 3)	: Neutral
Brown wire	(Pin 4)	: Switch Live
Green/Yellow	(Earth)	: Earth

Ratings for fos2000

Voltage	: 230V, 50Hz, ~
Current	: 10A Max (Resistive)
	: 6A Max (Fluorescent)

flex connectors

Installing a fos2000 Sensor Kit

The **fos2000** range sensor kit consists of a single sensor head connected, via a sensor / link lead, to a control module to monitor occupancy. The control module comes complete with a pre-wired supply lead ready for simple plug-in connection to any of the Flex Connectors range of standard connection units.

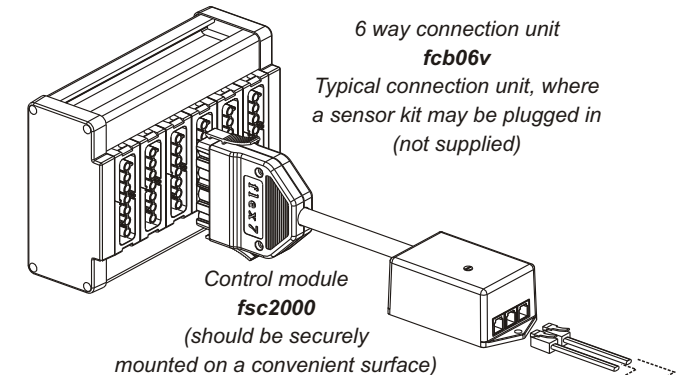
Operation

Type: **fos2000 presence detector**.

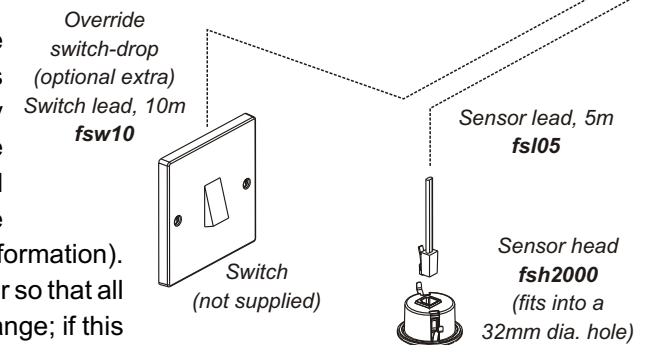
When occupancy is detected, lights will switch **on**. When occupancy is no longer detected, lights will switch **off**, after a pre-selected time-out period.



Where to site the sensor head



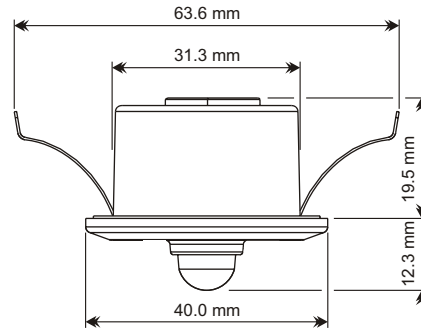
The sensor head needs to be located according to its function. The occupancy sensor's sensing range covers a rectangular field (refer to back page for the *Detection performance* information). Locate the occupancy sensor so that all areas of a room are within range; if this is not possible, situate the sensor head where the occupants spend most time. Alternatively, an additional sensor head (**fsh2000**) can be added to extend the sensing range. The sensor head is connected to the control unit via a sensor / link lead (**fslxx**, where **xx** = length in metres). Only connect the sensor head to the port marked *sensor head* on the control unit.



Sensor head dimensions

The sensor head, **fs2000**, fits into a 32mm diameter hole, with clips which can grip ceiling panels down to 1.5mm thick.

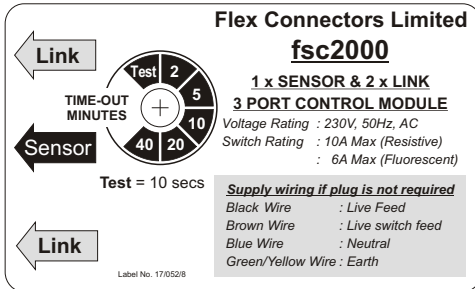
The sensor head has a rectangular detection area of 7.42m x 5.66m max., at a ceiling height of 2.50m. Please refer to '**Detection performance**' section on the back page for further information.



Setting instructions

Timeout

Use the rotary potentiometer to select the time period that you wish the lights to remain on for, after occupancy is no longer detected.



SWITCH POSITION TIMEOUT

Test	Timeout
Test	10 seconds (test)
2	2 minutes
5	5 minutes
10	10 minutes
20	20 minutes
40	40 minutes

Leads

Part Numbers

Lead Lengths	Sensor / Link Leads	Switch Leads
5m	fsl05	fsw05
10m	fsl10	fsw10
15m	fsl15	fsw15
20m	fsl20	fsw20
25m	fsl25	fsw25
30m	fsl30	fsw30

Optional extras

LV Override switch drop

Low voltage override switch-drop leads, **fswxx** (**xx** = Length in metres 10, 20 and 30m available as standard). Connected via either of the ports marked **link lead** on the control module unit and combined with a suitable wall switch, can override the lights controlled from the sensor to **off** or **on**. The free end of the lead is supplied with 4 x prepared crimped tails ready for termination to a suitable wall switch. Wiring options are as follows:



Override - On / Sensor



Override - Off / Sensor
Use 2 position switch



Override - Off / Sensor / On
Use 3 position - centre off switch

Note: Cut back and insulate any redundant wires.

Sensor link leads

Sensor link leads, **fs1xx** (**xx** = Lead length), used to link the sensor head (**fs2000**) to the control (**fsc2000**) unit.

Additional sensor controls for large / multi circuit/complex areas

Please refer to '**Networking Sensors**' data sheet for details on linking sensors.

Special fos2000 configurations

Type **fos2000/abs** absence detector (utilizing switch drop lead **fswxx**).

When a momentary pulse from a wall switch is received, lights will switch **on** or if occupancy is not detected lights will switch **off** after the pre-selected time-out period.

ECAs

Please note that you may not be able to claim enhanced capital allowances under the Carbon Trust scheme if you incorporate local "override on" switches in your occupancy sensor scheme.