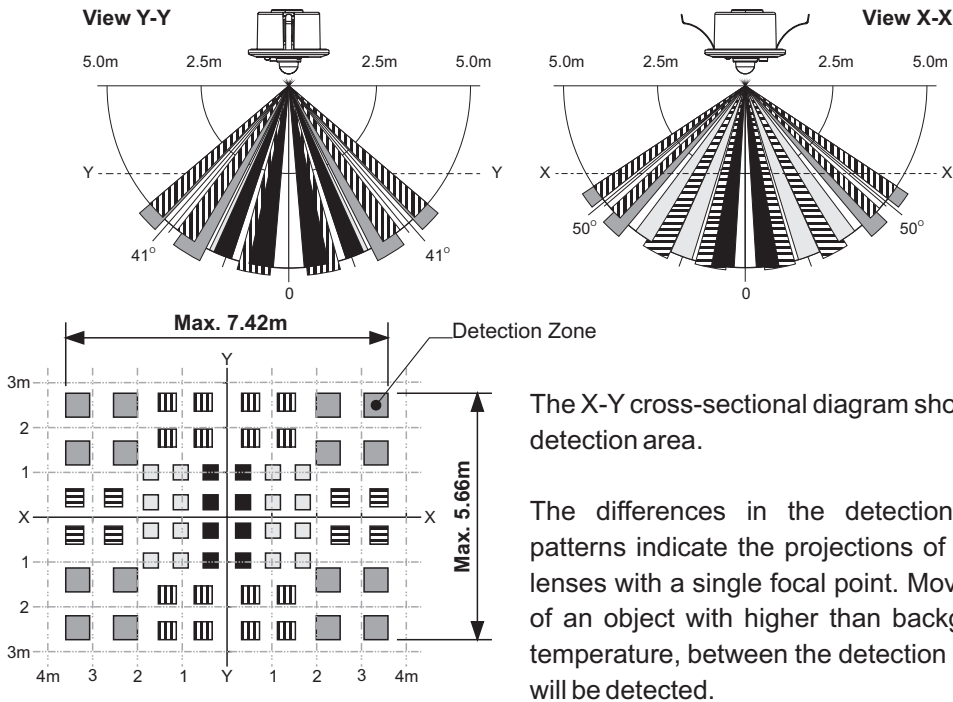


## Detection performance



## 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

Flex Connectors Limited Unit 8, The Gate Centre, Syon Gate Way, Brentford, Middlesex, TW8 9DD, England, UK  
Telephone: 020 8580 1066 Fax: 020 8580 1062 E-mail: info@flexconnectors.co.uk Website: www.flexconnectors.co.uk

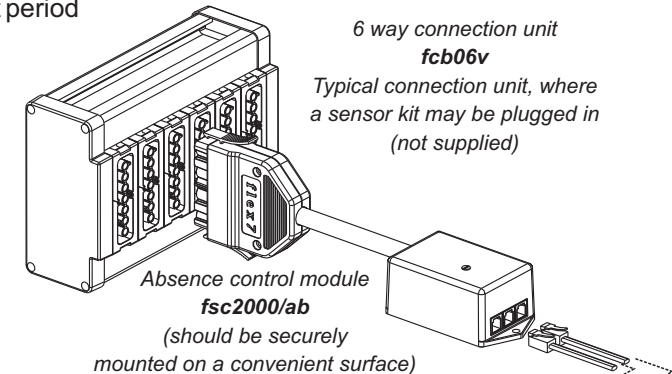
## Installing a fos2000/ab Sensor Kit

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06/12/2004

The **fos2000/ab** sensor kit consists of a single sensor head connected, via a sensor / link lead, to a control module to monitor occupancy. There is also a 10m low voltage switch drop lead. 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 connection units.

### Operation

Type: **fos2000/ab absence detector**.  
Lights will remain **off** until initiated by a pulse **on** (see wiring details).  
Once the lights turn **on** and provided occupancy is detected the lights will remain **on** until occupancy has been absent for a period equal to the set time-out period (see setting instructions).  
If whilst the lights are **on**, an **off** pulse is received (see wiring details).  
Then the lights will switch **off**. They will remain **off** until or unless, an **on** pulse is received.



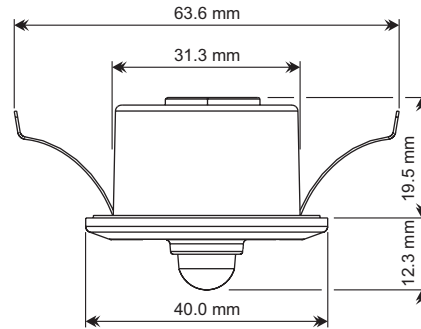
### Where to site the sensor head

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, **fsh2000**, fits into a 32mm diameter hole, with clips which can grip ceiling panels down to 1.5mm thick.

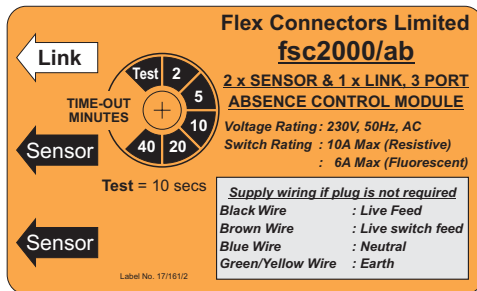
The sensor head has a rectangular detection area of 7.42m x 5.66m max., at a ceiling height of 2.50m. Please refer to '**Detection performance**' section on the back page for further information.



## 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	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

## Wiring Instructions

### Low voltage switch drop

#### LV switch drop

A low voltage switch-drop lead 10m long, **fsw10**, is supplied as standard, however if required longer leads can be ordered separately, **fswxx** (**xx** = Length in metres 10, 20 and 30m available as standard). Connected via the port marked **link lead** on the control module unit and combined with a suitable wall switch, will pulse the lights controlled from the sensor to **on** or **off**. The free end of the lead is supplied with four prepared crimped tails ready for termination to a suitable wall switch.

Wiring options are as follows:

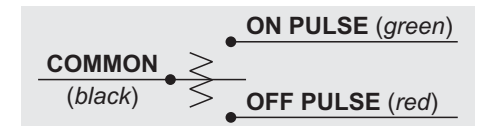
#### Option 1



#### Use 1-way momentary switch

Use option 1 if you only require to initiate the light **on** and are happy that only absence (after time-out period) will switch the light **off**.

#### Option 2



#### Use 2-way momentary switch

Use option 2 if you need to be able to switch the light **off** as well as **on**.

Note: Cut back and insulate any redundant wires.

#### Sensor link leads

Sensor link leads, **fslxx** (**xx** = Lead length), used to link the sensor head (**fsh2000**) 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.