

Setting Up



Setup Remote Control - frc/set

The sensor comes factory set with default operational parameters including a standard 10 seconds occupancy time-out. An frc/set remote control will be required - ordered separately.

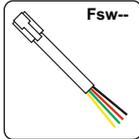
Full instructions for setting up the sensor are supplied with the frc/set remote control.

Optional Extras



Increasing Occupancy Coverage - fnh/aux/hotel

Occupancy coverage can be increased by adding up to a maximum of five aux sensor heads (fnh/aux/hotel) to your existing sensor head. The fnh/aux/hotel comes complete with a 10m sensor lead and 'Y' adaptor to facilitate connection.



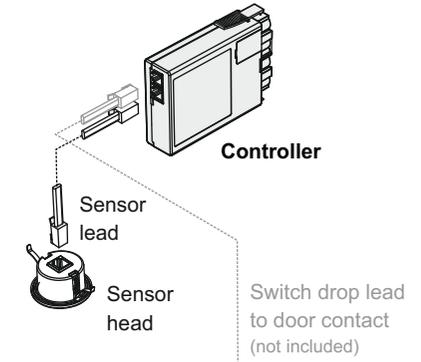
PELV - Switch Drop

If different switch drop lead length is required, part number fslXX (XX = length /5m, 10m, 15m, 20m, 25m, etc).

For fsw--
-- = length in meters
in multiples of 5m
i.e. fsw05, fsw10,
fsw15 etc.

FNS2200/HOTEL

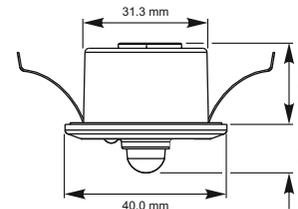
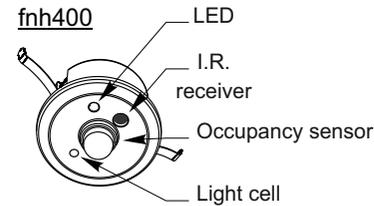
The fns2200 Hotel is a control device that plugs directly into any of the range of connection units or a 7-pole single socket outlet. Working with at least a plug-in sensor head and/or a switch, the device will control the connected mains rated luminaires ON and OFF. The exact operation will largely depend on which of the input devices are connected. Note that any connected switch or sensor head will be operating at ELV.



This product should only be installed by a qualified electrician.

Sensor head and occupancy detection performance

fnh400

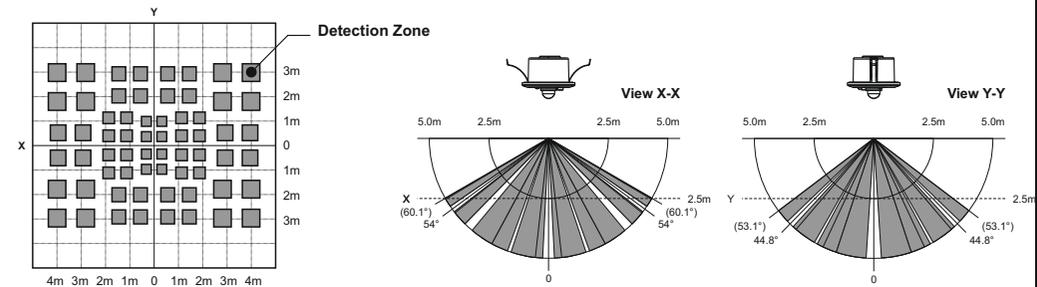


The sensor head fits into a 32mm diameter hole, with clips which can grip ceiling panels down to 1.5mm thick.

The sensor head has a rectangular occupancy detection range broadly 9m x 7m at a ceiling height of 2.5m (Longest length of detection aligning with the spring clips). As the ceiling height increases so will the overall detection area but sensitivity to small movements will decrease.

Note: Make sure that the sensor is not adjacent to circulating air, heaters or lamps.

Detection Zone



The X-Y cross-sectional diagram shows the detection area. The differences in the detection zone patterns indicate the projections of the 16 lenses with a single focal point. Movement of an object with higher than background temperature, between the detection zones, will be detected.

Supply Voltage	:Nominal 230V~ 50Hz	Compliance:	:LVD-2006/95/EC
Type	:Class 2		:EMC-2004/108/EC
Material	:Pa6 UL94 V-0 rated, Non-halogen		
Operating range	: -10°C to 40°C		
Switched Load	:6A		
Peak Inrush	:120A (duration <20mS)		
IP Rating	:IP20		



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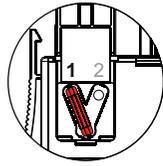
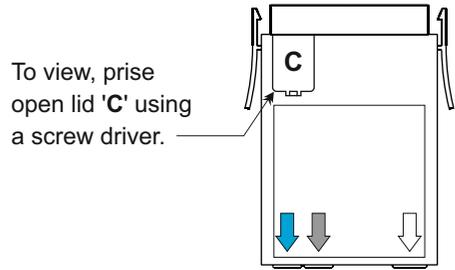
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Configuring the controller and wiring the connection unit

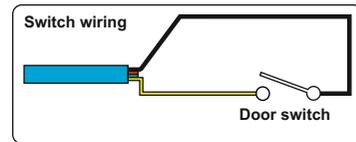
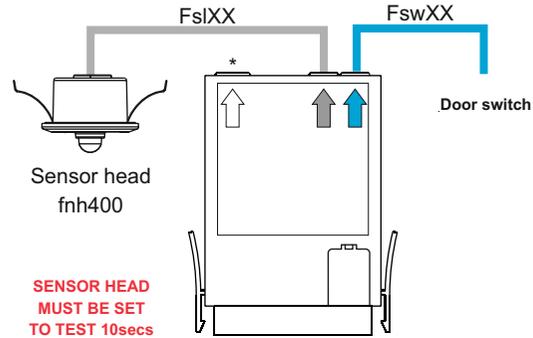


Link MUST be in position 1 as shown
Wire connection unit as shown opposite

Using the fns2200 hotel kit

Operation

- The relay output is switched ON, if the door switch is opened.
- When the door switch is closed. The relay output will remain on if occupancy is detected within 14 seconds. Otherwise the relay output will switch off.
- As a safeguard the relay output will switch ON, if occupancy is detected at any time.



* Refer to leaflet *Networking Sensors*, leaflet number 17/245.

Wiring diagram

