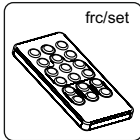


## Optional Extras



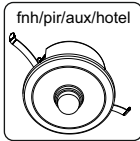
### Setup Remote Control - frc/set

A setup remote control frc/set (ordered separately) is needed to adjust occupancy settings. Settings can be adjusted to 10, 15, 20, 30 and 60 seconds.

Point the frc/set at the master sensor head and press:

- 2 for 10 seconds
- 5 for 15 seconds
- 10 for 20 seconds
- 20 for 30 seconds
- 40 for 60 seconds

The blue LED will flash. Keep the button pressed until the blue LED stops flashing (approx. 5 seconds)



### Increasing Occupancy Coverage - fnh/pir/aux/hotel

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

A connecting lead may also be required, part number fslXX (XX = length /5m).

<b>Supply Voltage</b>	:Nominal 230V~ 50Hz	<b>Compliance:</b>	:2014/35/EU
<b>Type</b>	:Class 2		:2014/30/EC
<b>Material</b>	:PA6 UL94 V-0 rated, Non-halogen		
<b>Operating range</b>	: -10°C to 40°C		
<b>Switched Load</b>	:6A		
<b>Peak Inrush</b>	:120A (duration <20mS)		
<b>IP Rating</b>	:IP20		



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Leaflet reference number: 22/088 issue 3 17/02/2025

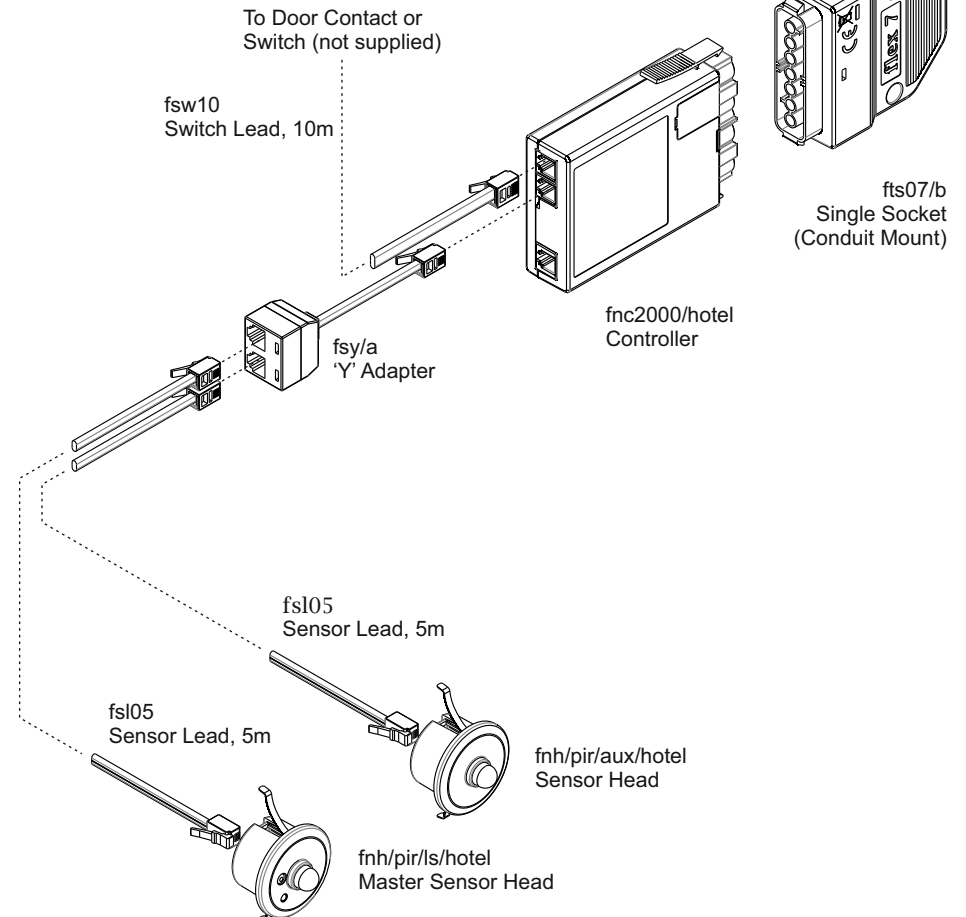


The fns2200/hotel/VF has been designed to control x2 electrical circuits ON and OFF (x1 luminaire circuit (non-dimming), and x1 non-luminaire circuit i.e. HVAC), making it ideal for hotel rooms and similar applications!

The Controller plugs directly into a 7-pole single socket outlet (supplied), a plug in sensor head (supplied) and door contact switch (not supplied) and will switch both circuits OFF when the room is not occupied to save energy.

A switch drop lead is supplied for connection to a door contact.

Note: The sensor head and switch drop operate at PELV.



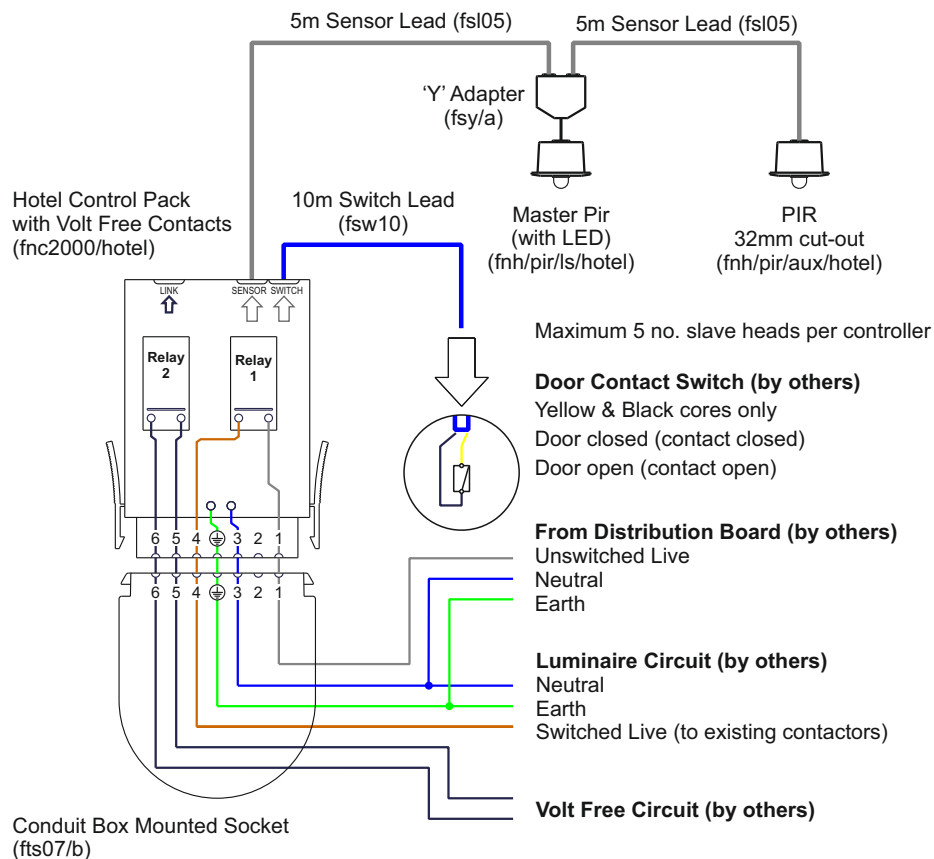
**This product should only be installed by a qualified electrician.**

## fns2200/hotel/VF Operation

- When power is switched on, the controller will initialise (approx. 10 seconds).
- During the initialisation period the luminaire and volt free contact circuits will be OFF, no signals from the PIR or switch input will be detected and the blue LED in the master PIR will illuminate.
- When initialisation is complete the blue LED in the master PIR will turn OFF and the luminaire and volt free contact circuits will turn ON.
- The luminaire and volt free contact circuits will turn OFF when the controller detects the following conditions: The switch (door) has been opened and closed and no occupancy has been detected within 10 seconds of the switch (door) closing.
- If occupancy is detected within the 10 second period, the luminaire and volt free contact circuits will remain ON until the correct conditions are met to turn them OFF.

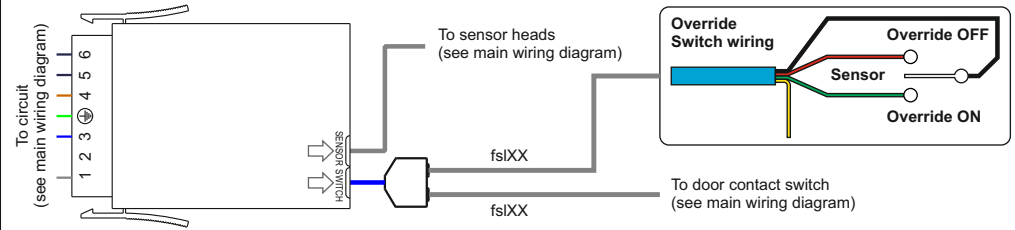
Note: The 10 second period can be adjusted to 15, 20, 30 and 60 seconds with a frc/set remote control (not supplied).

## fns2200/hotel/VF Wiring Diagram



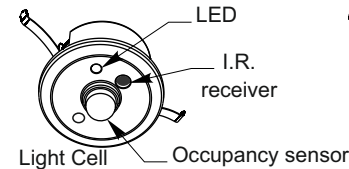
## Override Function

- It is possible to connect an override switch if needed. This will require an additional Y adaptor, an fsl lead and a '3 position centre off' switch (not supplied).
- In 'Override OFF' position (red to black) the Luminaire and Volt Free circuits are permanently OFF.
- In 'Sensor' position (not connected) the Luminaire and Volt Free circuits behave normally.
- In 'Override ON' position (green to black) and the Luminaire and Volt Free circuits are permanently ON.

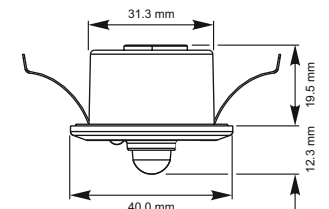
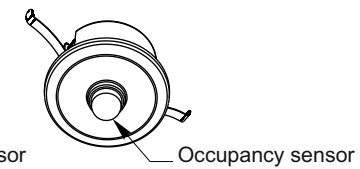


## Sensor head and occupancy detection performance

### Master (fnh/pir/hotel)



### Auxiliary (fnh/pir/aux/hotel)

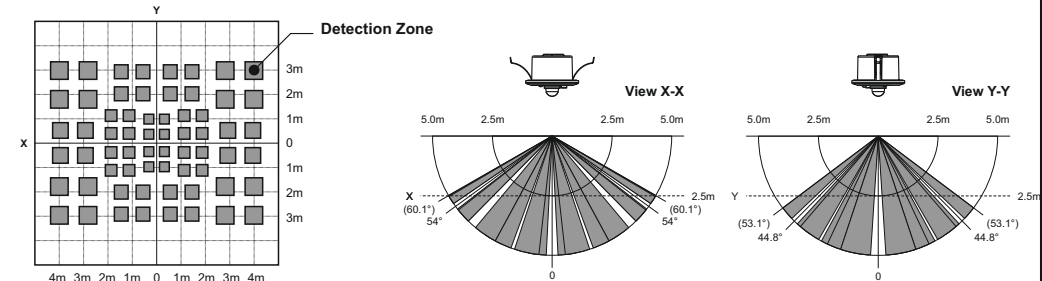


The sensor head fits into a 32mm diameter hole, with clips which can grip ceiling panels down to 1.5mm thick.

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.