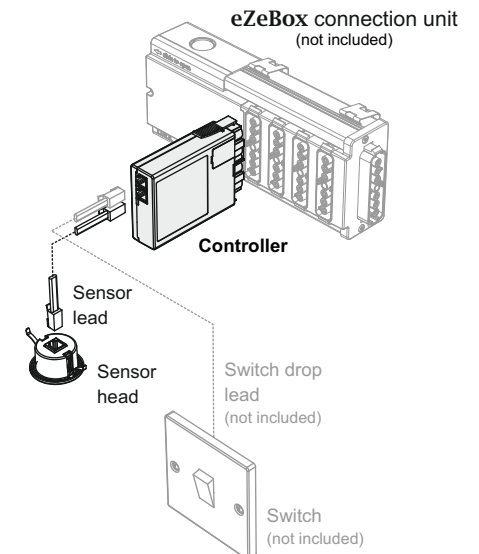


The **fns1200** sensor kit plugs directly into any of the **eZeBox** range of connection units or a 7-pole single socket outlet to provide control of the connected mains rated luminaires. Control is ON/OFF dependent on occupancy detection

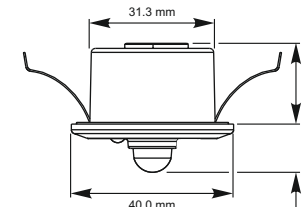
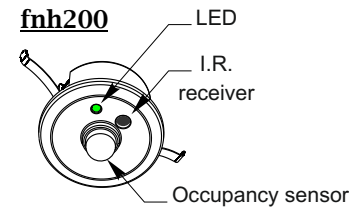
The kit comprises a controller, a sensor head and a sensor link lead.

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



### Sensor head and occupancy detection performance

#### **fnh200**

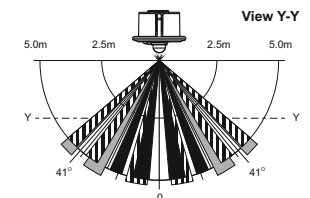
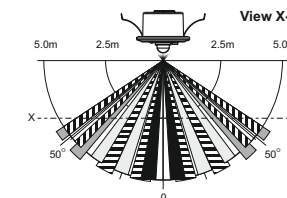
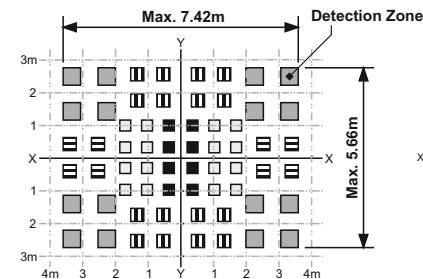


The sensor head fits into a 32mm diameter hole, with clips which can grip ceiling panels down to 1.5mm thick.

The sensor head has a rectangular occupancy detection range broadly 7.4m x 5.6m 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.

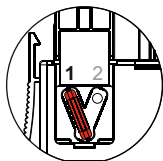
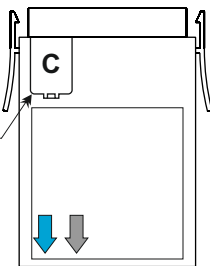
#### **Detection Zone**



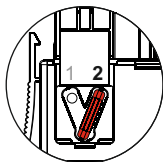
The X-Y cross-sectional diagram shows the detection area. The differences in the detection zone patterns indicate the projections of the 16 lenses with a single focal point. Movement of an object with higher than background temperature, between the detection zones, will be detected.

## Configuring the controller and wiring the connection unit

Prise open lid 'C' using a screw driver. Position link as required.



**Link in position 1**  
Lights can remain ON during an emergency test. Wire connection unit as shown in option A. See below for details.



**Link in position 2**  
Lights will switch OFF during an emergency test. Wire connection unit as shown in option A or B. See below for details.

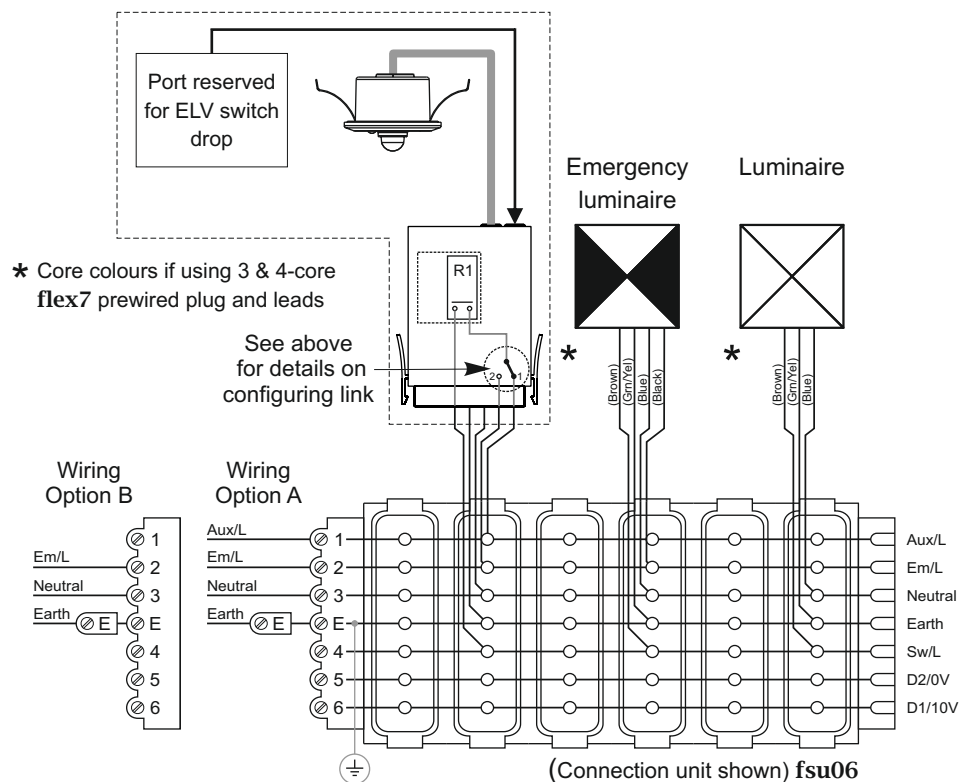
### Rating

Supply Voltage : 230V~ 50Hz

### Load

Fluorescent & Incandescent Lighting : 6A  
Compact Fluorescent Lighting : 3A

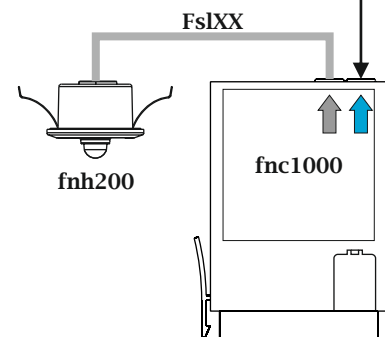
## Wiring diagram



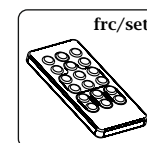
## Occupancy Sensing

### Operation

**Occupancy detection:** Lights will switch ON whenever there is occupancy detected by the sensor head. When occupancy is no longer detected, lights will switch OFF after a pre-selected *time-out* period.



## Setting Up

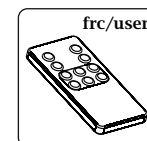


### Setup Remote Control - frc/set

The sensor comes factory set with default operational parameters including a standard 20 minutes occupancy time-out. If another time-out period (2, 5, 10, 20 and 40 minutes) or alternative operational parameters are desired, then 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.

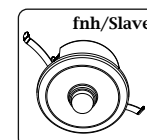
## Optional Extras



### User Remote Control - frc/user

The frc/user remote control is a convenient method for the end user to control the lighting remotely. Lights can be temporarily overridden ON or OFF and in cases where the lighting control is dimmable, dimmed UP or DOWN. In addition, up to six preset light levels can be stored and recalled.

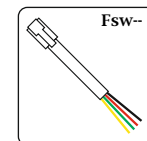
**Note:** Unlike the frc/set remote control the frc/user remote control can not be used to setup or change occupancy time-out settings.



### Increasing Occupancy Coverage - fnh/slave

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

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



For fsw--  
-- = length in meters  
in multiples of 5m  
i.e. Fsw05, Fsw10,  
fsw15 etc.

### PELV - Switch Drop

Adding a PELV switch drop allows you to override your occupancy sensor off (fig 1) OR convert your occupancy sensor to absence control (fig 2)

