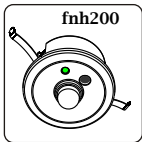
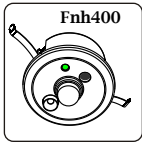


## Optional Extras/Spares



### Add Occupancy Coverage - fnh200

Occupancy detection can be added by connecting an fnh200  
A connecting lead may also be required, part number fslXX (XX = length /5m).



### Add Occupancy Coverage & Daylight Linking - fnh400

Occupancy detection with daylight linking can be added by connecting an fnh400  
A connecting lead may also be required, part number fslXX (XX = length /5m). And an frc/set remote control may also be required.



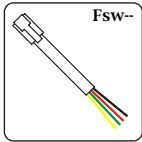
### Setup Remote Control - frc/set

The frc/set will be required if adding Daylight Linking or Occupancy detection that requires an alternative *time-out* period other than the default 20mins. Full instructions for setting up the sensor are supplied with the frc/set remote control - ordered separately.



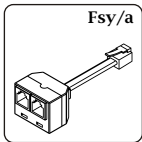
### Increasing Occupancy Coverage - fnh/slave

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).



### PELV - Switch Drop

To add additional switches a PELV switch drop lead and a fsy/a will be required to connect the additional switch to the control unit.



### Fsy/a

If your room requires additional sensor heads (fnh/slave) or additional switch drops you will require an fsy/a to link your additional cables into.

## Fns3000(D,X,A)/U Dimming Kit

3000/U

The fns3000(D,X,A)/U dimming 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/DIM up/down.

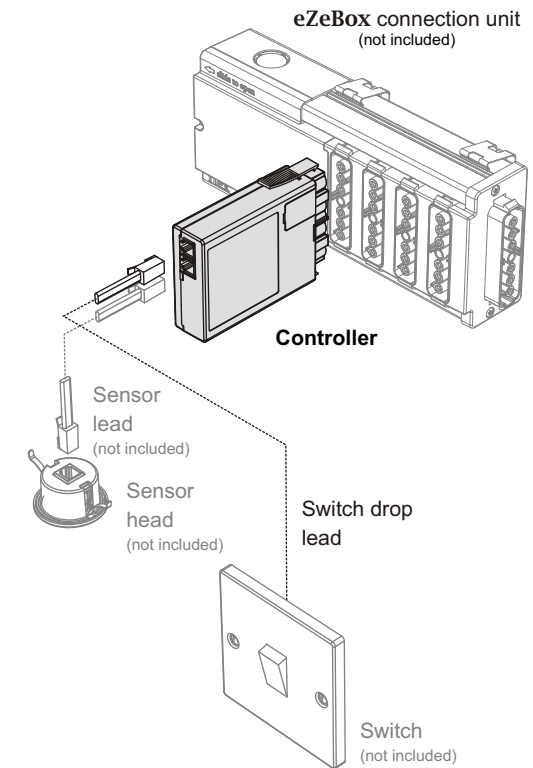
The kit comprises a controller, and switch drop lead.

Three products are available:

**fns3000D/U** for DSI digital dimmable ballasts.  
**fns3000X/U** for DALI digital dimmable ballasts.  
**fns3000A/U** for Analogue ballasts 0-10V.

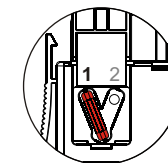
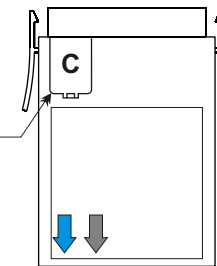
Please ensure the correct product is selected for the type of ballast being used as incorrect connection may damage the controller.

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



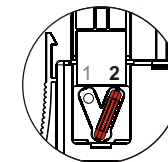
## Configuring the fnc4000(D,X or A) controller

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 on the back page.



### Link in position 2

Lights will switch OFF during an emergency test. Wire connection unit as shown on the back page.

### Rating

Supply Voltage : 230V~ 50Hz

### Load

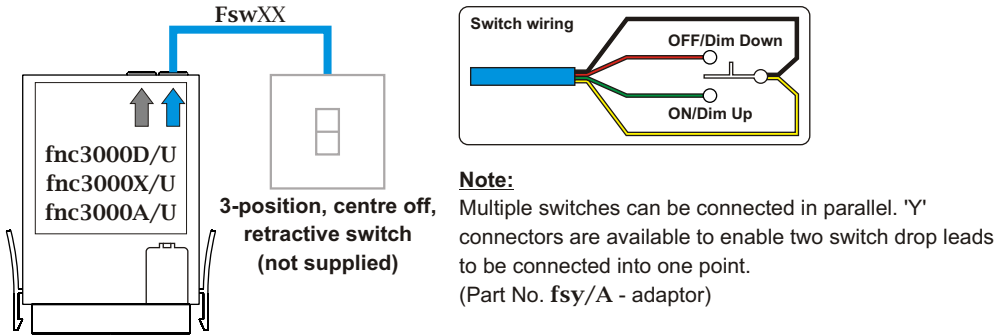
Fluorescent & Incandescent Lighting : 6A  
Compact Fluorescent Lighting : 3A

### Maximum number of Ballast

fnc4000D (DSI Digital control) : 25  
fnc4000X (DALI Digital control) : 25  
fnc4000A (Analogue 0-10V control) : 25

## Switching Option 1

### Manual dimming using a 3-Position, Centre off, Retractive Switch



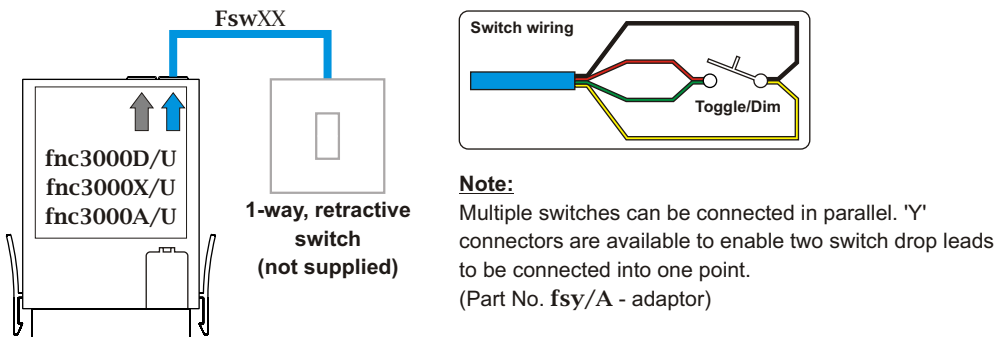
#### Operation:

##### Switch control:

- ON pulse - turns the lights ON (to the last dimmed level).
- OFF pulse - turns the lights OFF.
- A long ON pulse - brightens lights (eventually to maximum).
- A long OFF pulse - dims lights (eventually to minimum, but should the pulse exceed 15 secs the lights will switch OFF completely).

## Switching Option 2

### Manual dimming using a 1-way Retractive Switch



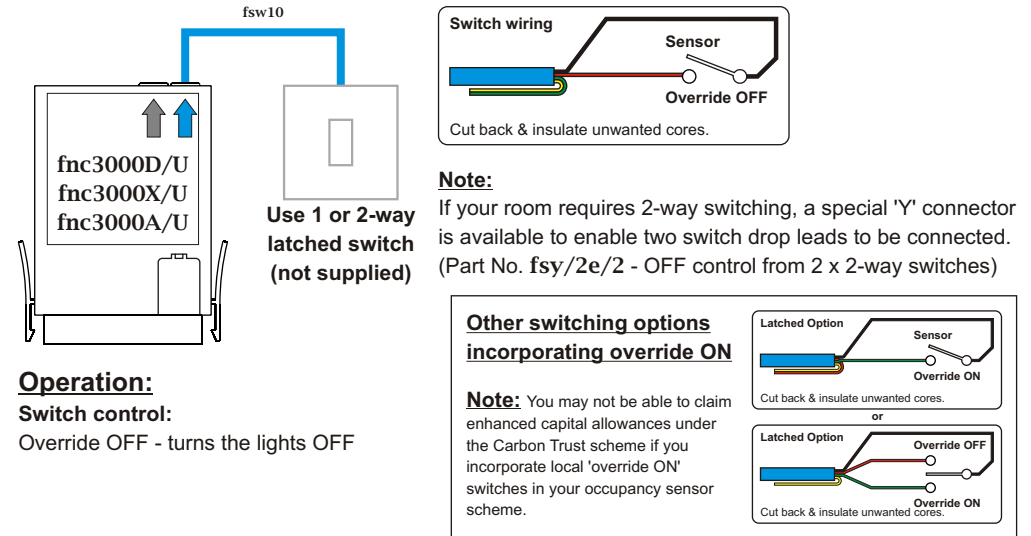
#### Operation:

##### Switch control:

- Pulse - turns the lights ON or OFF (when turning ON, lights adopt last dimmed level).
- A long pulse - dims or brightens the lights (but should the pulse exceed 15 secs the lights will switch OFF completely).

## Switching Option 3

### Switching using a 1-way Latched Switch



#### Operation:

##### Switch control:

- Override OFF - turns the lights OFF

### WARNING

**Note:** Lights can not be dimmed at the switch, in this configuration

### Circuit Diagram for fnc3000(D,X,A) controller

