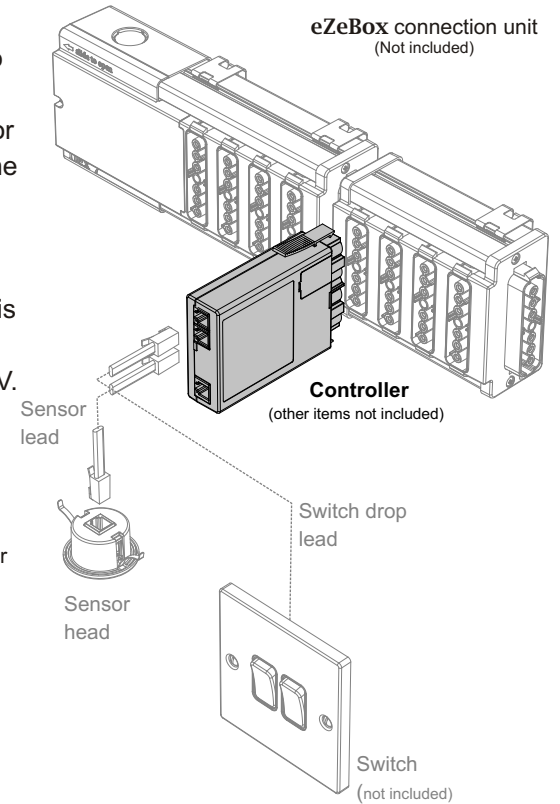


Includes Additional Switch Circuit

The **fnc4000(D,X or A)/AT/2** is a control device which plugs directly into a special type of **eZebox** connection unit; the **f2u-**. Working with switches or together with a plug-in sensor head, the device can control one circuit ON/OFF/DIM and one other simply ON/OFF. The exact operation will depend on which, if any, sensor head is fitted. Note that any connected switch or sensor head will be operating at ELV.

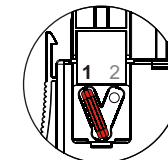
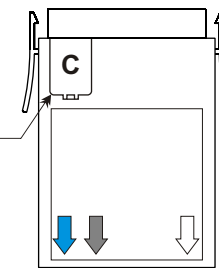
- Three products are available:
- fnc4000D/AT/2** :DSI dimmable ballasts.
 - fnc4000X/AT/2** :DALI dimmable ballasts.
 - fnc4000A/AT/2** :Analogue ballasts 0-10V.

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



Configuring the **fnc4000(D,X or A)/AT/2** controller

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



Link MUST be in position 1 as shown
Wire connection unit as shown on the back page.

Rating

Supply Voltage : 230V~ 50Hz

Load on Lighting Circuit 1

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

Load on Lighting Circuit 2

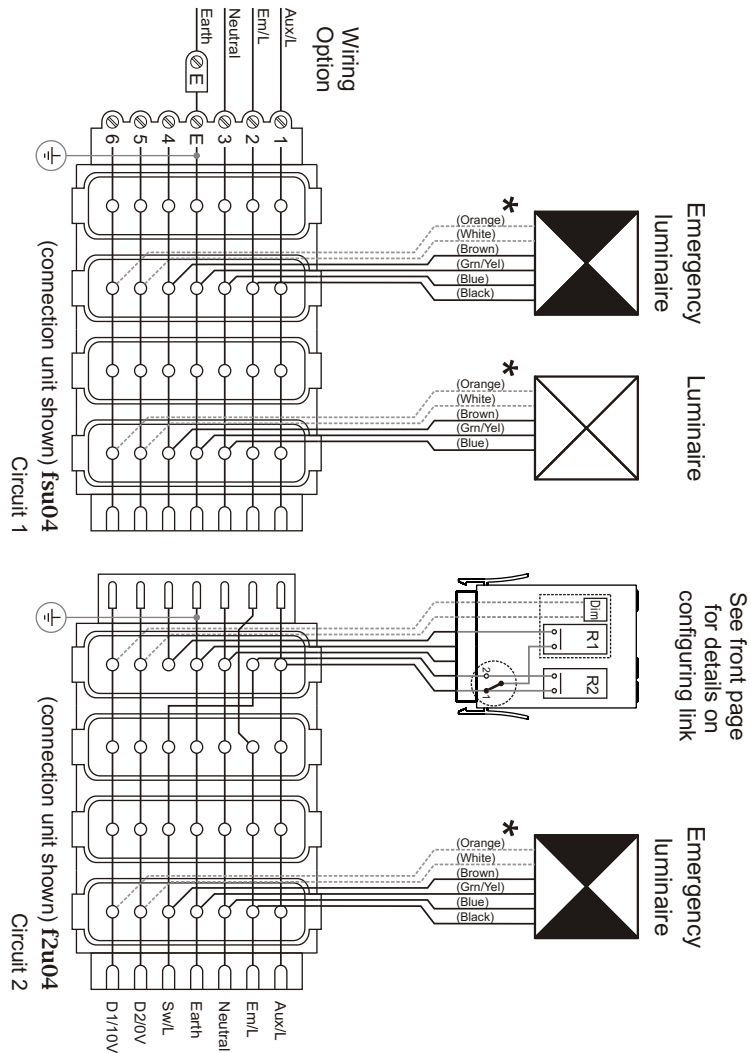
Flourescent & Incandescent Lighting : 6A
Compact Flourescent Lighting : 3A

Total Maximum Load :10A

Maximum number of Ballast

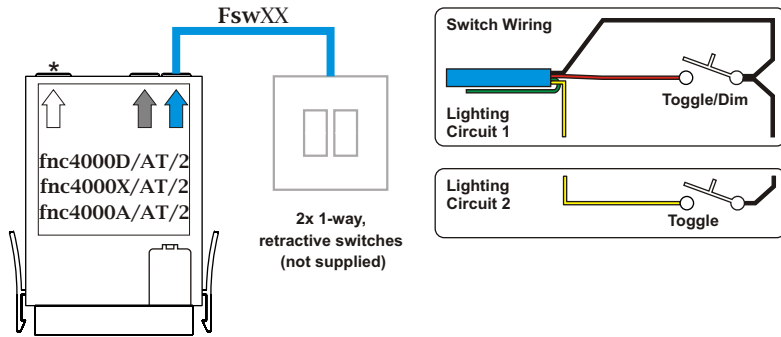
fnc4000D/AT/2 (DSI Digital control) : 25
fnc4000X/AT/2 (DALI Digital control) : 25
fnc4000A/AT/2 (Analogue 0-10V control) : 25

Circuit diagram for **fnc4000(D,X or A)/AT/2** Controllers



Using a fnc4000(D,X or A)/AT/2 controller with switches only

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



Operation:

Switch control:

Lighting Circuit 1:

Pulse - toggles the lights ON or OFF (when turning ON, lights adopt last dimmed level).

Long pulse - Alternates from brightening the light to dimming the light with each consecutive long pulse. (but should the pulse exceed 15 secs the lights will switch OFF completely).

Lighting Circuit 2:

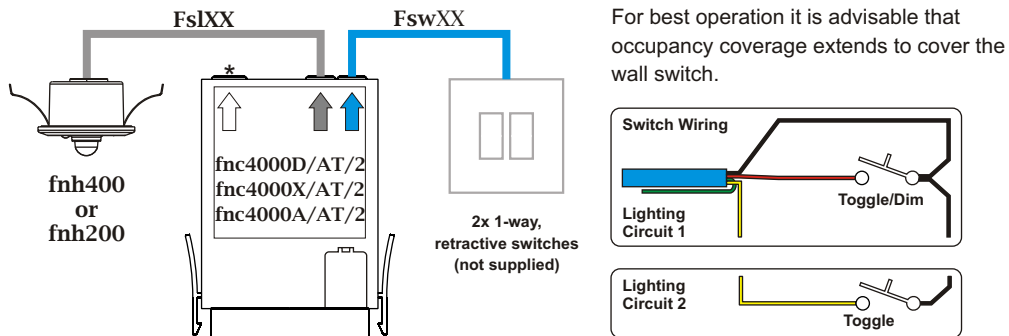
Pulse - toggles the lights ON or OFF.

Note:

Multiple switches can be connected in parallel. 'Y' connectors are available to enable two switch drop leads to be connected into one point. (Part No. **fsy/A** - adaptor)

Using a fnc4000(D,X or A)/AT/2 controller with a sensor head & switches

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



Note:

Multiple switches can be connected in parallel. 'Y' connectors are available to enable two switch drop leads to be connected into one point. (Part No. **fsy/A** - adaptor)

Note: Alternative operational options not necessarily shown above are available using the **frc/set** setup remote control. Full instructions for setting up the sensor are supplied with the sensor head and the **frc/set** remote control - both ordered separately.

Operation:

If the sensor head is of type fnh200

Switch control:

Lighting Circuit 1:

Pulse - toggles the lights ON or OFF (when turning ON, lights adopt last dimmed level).

Long pulse - Alternates from brightening the light to dimming the light with each consecutive long pulse. (but should the pulse exceed 15 secs the lights will switch OFF completely).

Lighting Circuit 2:

Pulse - toggles the lights ON or OFF.

Absence detection:

When occupancy is no longer detected, lights (both lighting circuits) will switch OFF after a pre-selected *time-out* period (default 20 minutes).

If the sensor head is of type fnh400

Switch control:

As above except lights always switch ON with *daylight linking* activated. If the lights are subsequently dimmed up or down by the switch, *daylight linking* will be deactivated in preference to the DIM state attained by the switch.

Absence detection: As above (type **fnh200**)

Daylight linking: Provided *daylight linking* is activated (see switch control above) the light output will adjust to compensate for any changes in ambient light in order to maintain a constant light level under the sensor head - the *target level*.