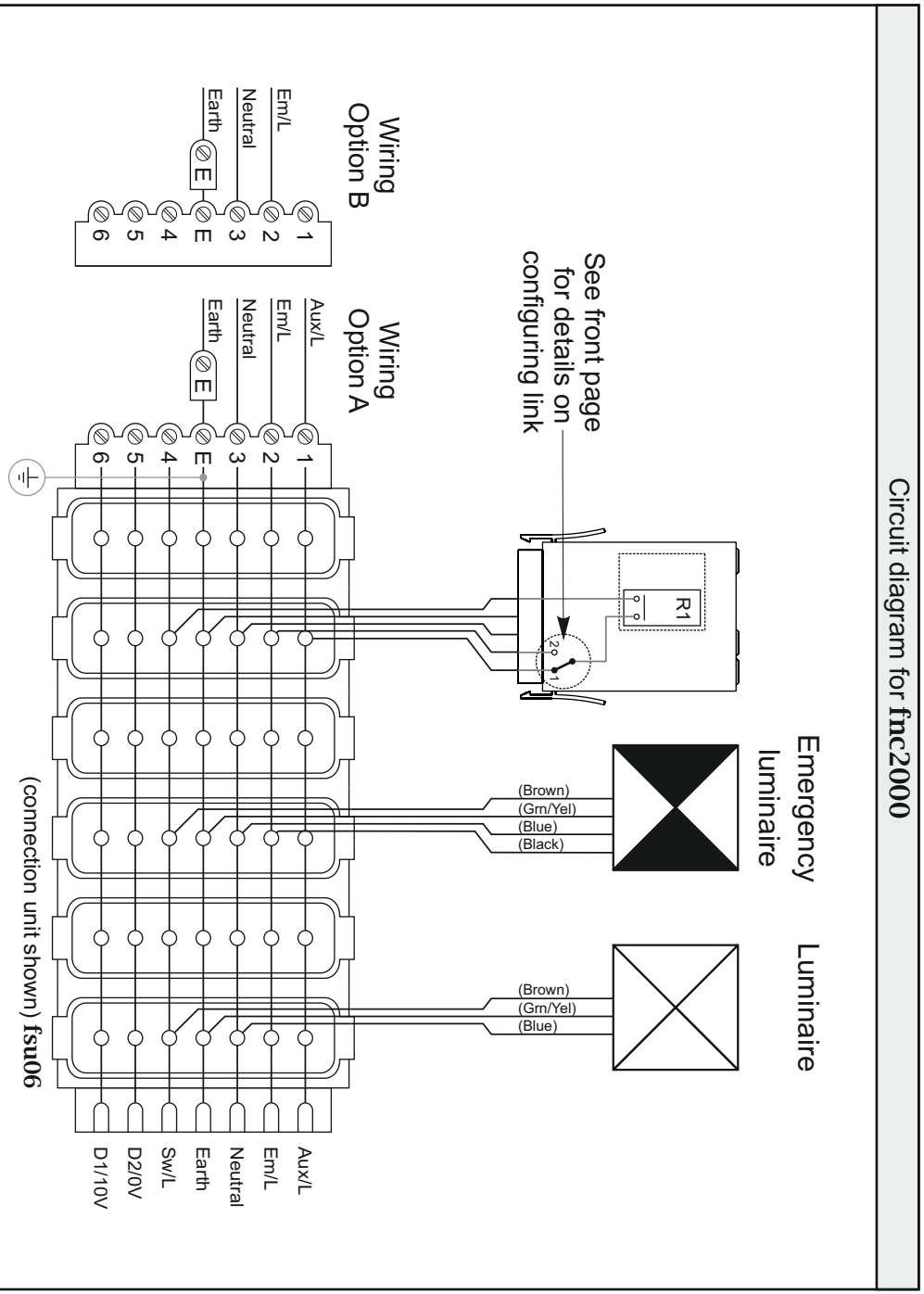

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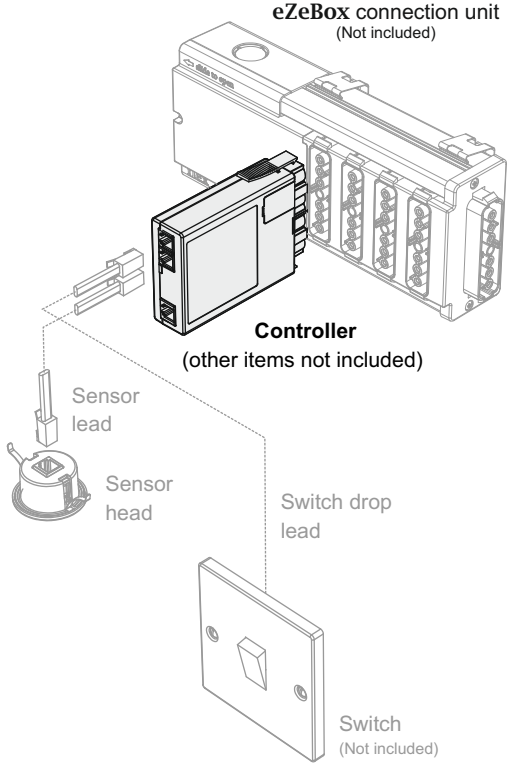
Leaflet reference number: **22/002** issue **2** 06/08/2012

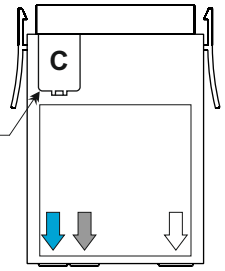
fnc2000 - Controllers

The **fnc2000** is a control device which plugs directly into any of the **eZeBox** 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.

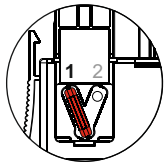


Configuring the fnc2000 controller and wiring the connection unit

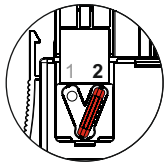
Prise open lid '**C**' using a screw driver. Position link as required.



Rating
Supply Voltage : 230V~ 50Hz
Load
Fluorescent & Incandescent Lighting : 6A
Compact Fluorescent Lighting : 3A



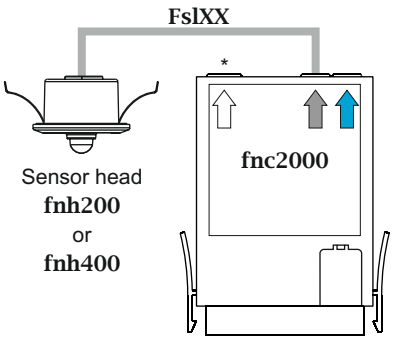
Link in position 1
Lights can remain ON during an emergency test. Wire connection unit as shown in option A. Please refer to the back page for details.



Link in position 2
Lights will switch OFF during an emergency test. Wire connection unit as shown in option A or B. Please refer to the back page for details.

Using an **fnc2000** controller with a sensor head only

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



Operation if the sensor head is of type fnh200

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.

Operation if the sensor head is of type fnh400

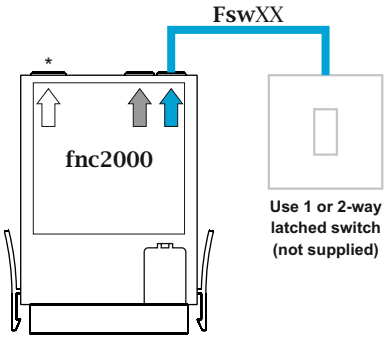
Occupancy detection: Not withstanding 'daylight dependency' (see below) lights will switch ON whenever there is occupancy detected by the sensor head. When occupancy is no longer detected, lights will switch OFF after a pre-selected *time-out* period.

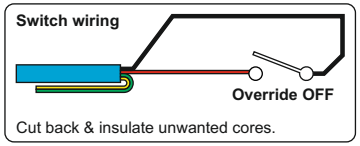
Daylight dependency: During periods of occupancy the lights may switch OFF if the ambient light detected under the sensor head exceeds the *set level*.

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.

Using an **fnc2000** controller with a switch only

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





Note:
If your room requires 2-way switching, a special 'Y' connector is available to enable two switch drop leads to be connected. (Part No. **fsy/2e/2** - OFF control from 2 x 2-way switches)

Operation:

Switch control:
Override OFF - turns the lights OFF.

Using an **fnc2000** controller with a sensor head and override switch

Operation if the sensor head is of type fnh200

Occupancy detection: Provided the wall switch is in the 'Sensor' position the 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.

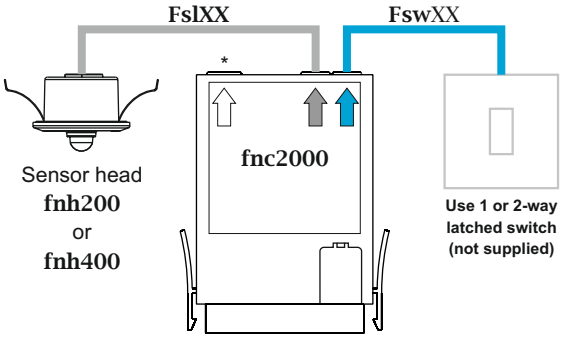
Override switch operation: Override OFF or override ON takes priority over occupancy sensing.

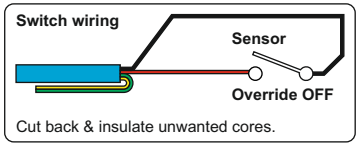
Operation if the sensor head is of type fnh400

Occupancy detection: Provided the wall switch is in the 'Sensor' position, then, not withstanding 'daylight dependency' (see below) 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.

Daylight dependency: During periods of occupancy the lights may switch OFF if the ambient light detected under the sensor head exceeds the *set level*.

Override switch operation: Override OFF or override ON takes priority over occupancy or daylight dependency sensing.





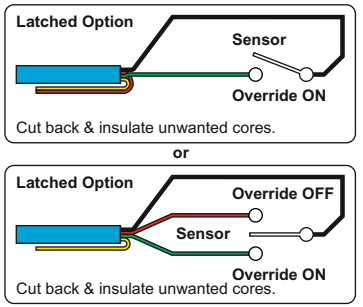
See table below for other switching options

Note: For safe operation it is advisable to extend occupancy coverage to cover the wall switch. In this way, operating the switch to 'SENSOR' position ensures the lights turn ON.

Note:
If your room requires 2-way switching, a special 'Y' connector is available to enable two switch drop leads to be connected.
(Part No. **fsy/2e/2** - OFF control from 2 x 2-way switches).

Other switching options incorporating override ON

Note:
You may not be able to claim enhanced capital allowances under the Carbon Trust scheme if you incorporate local 'override ON' switches in your occupancy sensor scheme.



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.