The **fnc2000/AT** is a control device which can plug directly into any of the **eZeBox** range of connection units or a 7-pole single socket outlet. Working with at least a switch or together with a plug-in sensor head, 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.

eZeBox connection unit
(Not included)

Controller
(other items not included)

Sensor lead

Sensor head

Switch drop lead

Switch
(Not included)
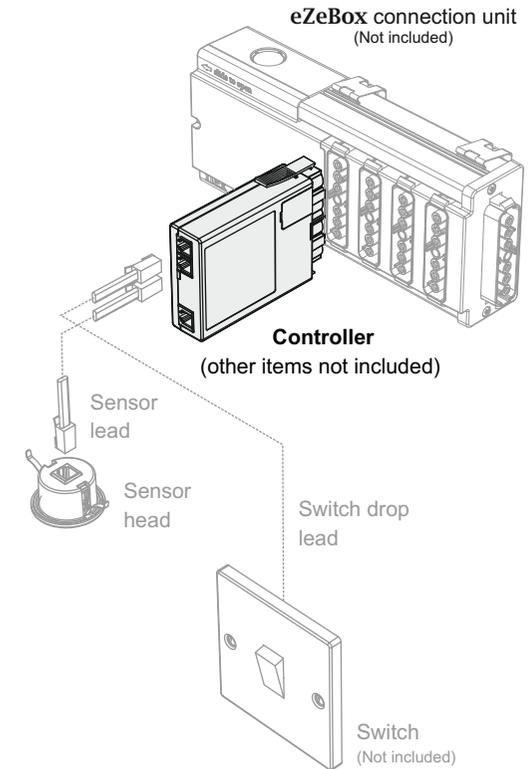
Configuring the fnc2000/AT controller and wiring the connection unit

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

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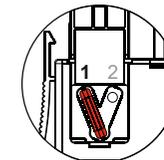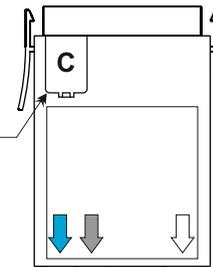
Link in position 1
Lights can remain ON during an emergency test. Wire connection unit as shown in option A. Please refer to the back page for details.

1 2
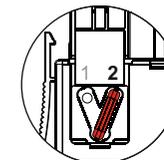
Link in position 2
Lights will switch OFF during an emergency test. Wire connection unit as shown in option A or B. Please refer to the back page for details.

1 2

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

Using a **fnc2000/AT** controller with a switch only
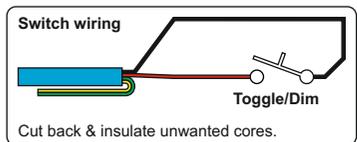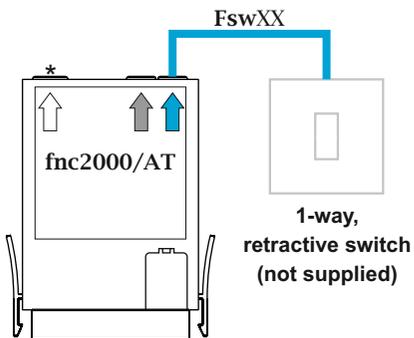
FswXX

fnc2000/AT

1-way, retractive switch (not supplied)

Switch wiring

Toggle/Dim

Cut back & insulate unwanted cores.

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)

Operation:

Switch control:
A pulse - toggles the lights ON and OFF.

Using **fnc2000/AT** controller with a sensor head and a switch

FslXX

FswXX

fnh200

fnc2000/AT

1-way, retractive switch (not supplied)
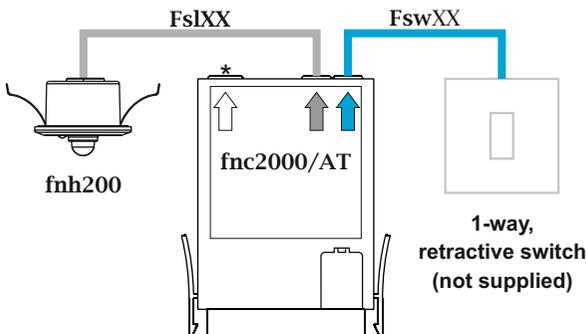
Note:
For best operation it is advisable that occupancy coverage extends to cover the wall switch.
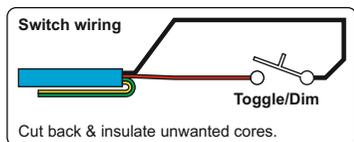
Switch wiring

Toggle/Dim

Cut back & insulate unwanted cores.

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).

Operation:

Switch control:
Pulse - toggles the lights ON and OFF.
Absence detection: When occupancy is no longer detected, lights will switch OFF after a pre-selected *time-out* period (default 20 minutes).
Daylight dependency (fnh400 only): During periods of occupancy the lights will 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.

Circuit diagram for **fnc2000/AT** Controller

(connection unit shown) **fsu06**

Luminaire

(Blue)
(Grn/Yel)
(Brown)

Emergency luminaire

(Black)
(Blue)
(Grn/Yel)
(Brown)

Aux/L | Em/L | Neutral | Earth | Sw/L | D2/0V | D1/10V

R1

See front page for details on configuring link

1 | 2 | 3 | E | 4 | 5 | 6

Wiring Option A
Aux/L | Em/L | Neutral | Earth E

1 | 2 | 3 | E | 4 | 5 | 6

Wiring Option B
Em/L | Neutral | Earth E