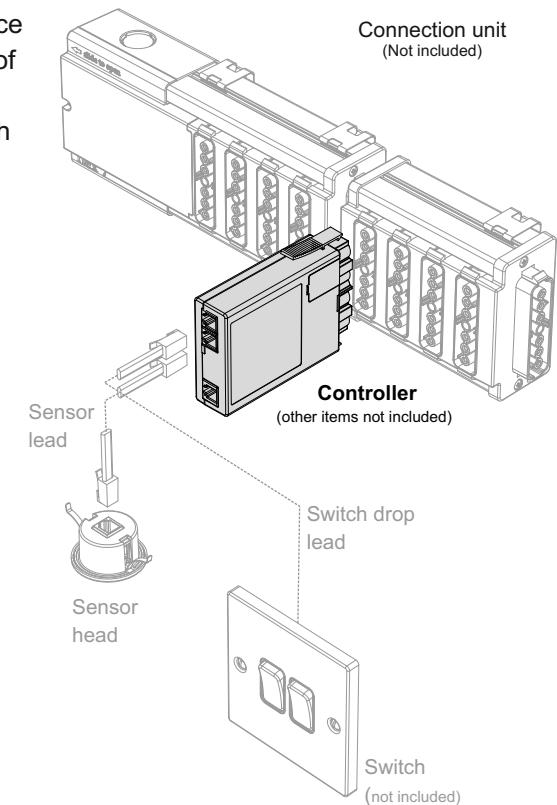


## fnc2000/AB/2/L Controllers

Includes Additional Switch Circuit

The **fnc2000/AB/2/L** is a control device that plugs directly into a special type of connection unit; the **f2u--**. Working with switches or together with a plug-in sensor head, the device can control two switching circuits ON and 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.

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

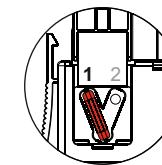
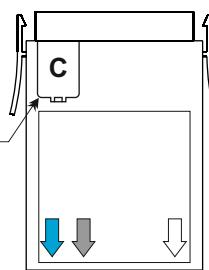


<b>Supply Voltage</b>	:Nominal 230V~ 50Hz
<b>Type</b>	:Class 2
<b>Material</b>	:PA6 UL94 V-0 rated, Non-halogen
<b>Operating range</b>	:-10°C to 40°C
<b>Total Load</b>	:10A
<b>Switched Load</b>	:6A

<b>Peak Inrush</b>	:120A (duration <20mS)
<b>IP Rating</b>	:IP20
<b>Compliance</b>	:2014/35/EU :2014/30/EU

### Configuring the fnc2000/AB/2/L controller & wiring the connection unit

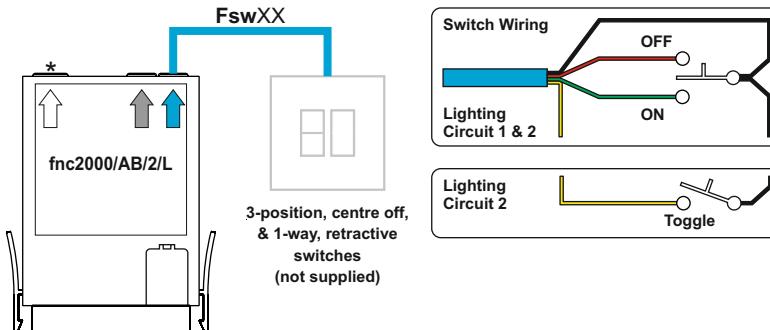
To view, prise open lid 'C' using a screw driver.



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

## Using an fnc2000/AB/2/L controller with switches only

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



### Operation:

#### Switch control:

##### Lighting Circuits 1 & 2:

ON pulse - turns the lights (both circuits) ON.

OFF pulse - turns the lights (both circuits) OFF.

##### Lighting Circuit 2:

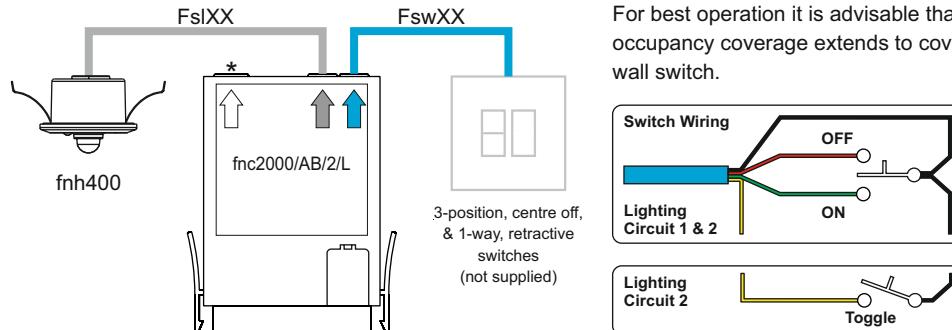
Pulse - toggles the lights ON or OFF.

#### 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 the controller with a sensor head and 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:

### Switch control:

#### Lighting Circuits 1 & 2:

ON pulse - turns the lights (both circuits) ON.

OFF pulse - turns the lights (both circuits) OFF.

#### 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).

**Daylight dependency (Lighting circuit 1 only):** During periods of occupancy (or whilst occupancy is timing out) the lights may switch OFF if the ambient light detected under the sensor head sufficiently exceeds the set-level. Conversely the lights may switch back on again should the ambient light fall below the set-level.

## Circuit diagram for the fnc2000/AB/2/L controller

