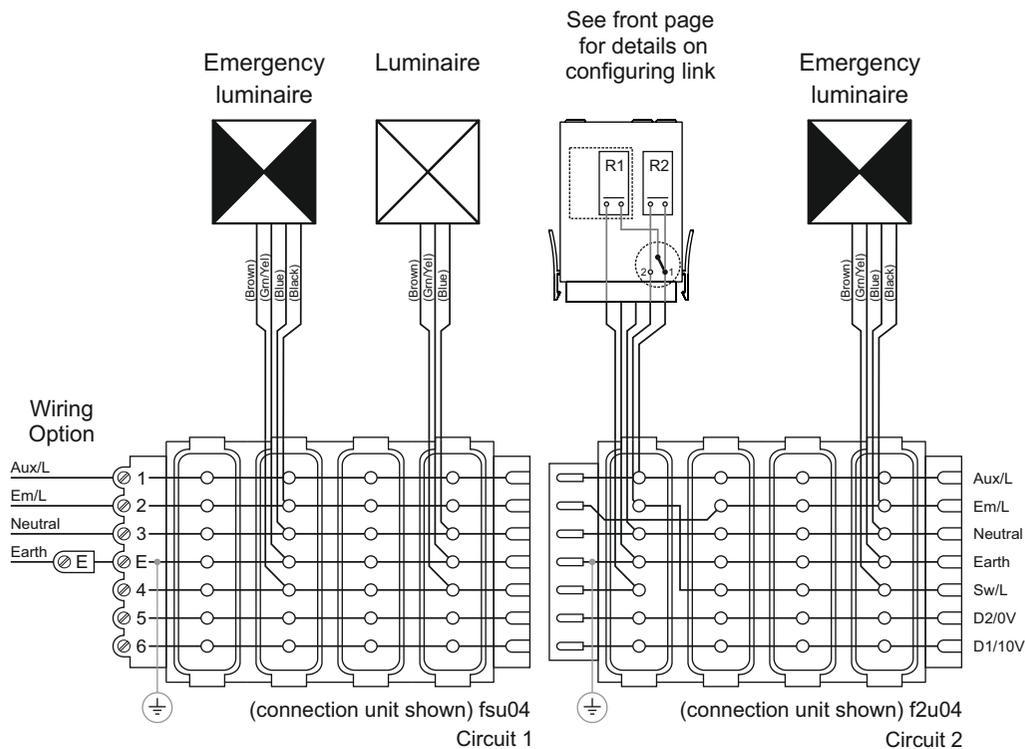


Circuit diagram for a fnc2000/AB/2 controller



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

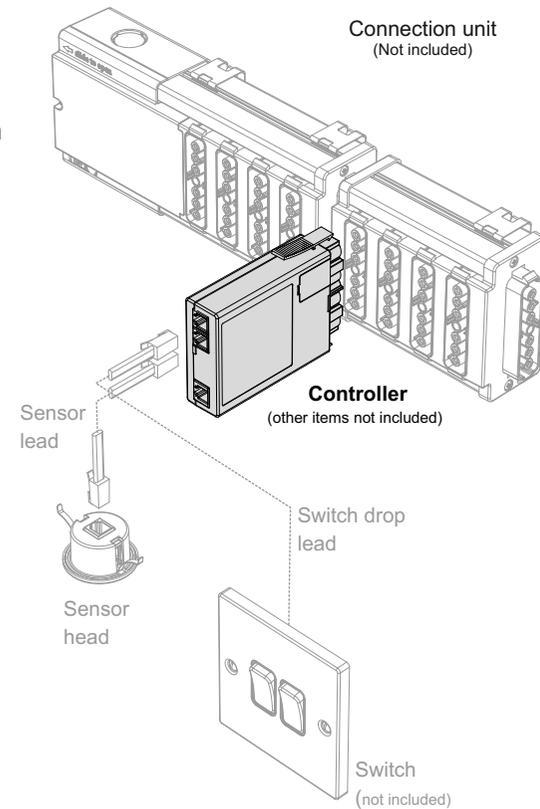
Peak Inrush :120A (Duration <20mS)
IP Rating :IP20
Compliance :2014/35/EU
 :2014/30/EU

fnc2000/AB/2 Controllers

Includes Additional Switch Circuit

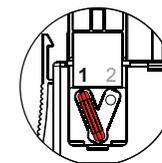
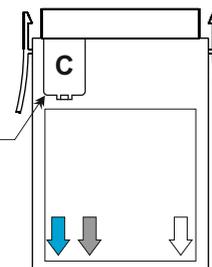
The fnc2000/AB/2 is a control device that plugs directly into a special type of connection unit; the f2u--. Working with switches or together with a plug-in sensor head, the device can control two switching circuits ON and OFF. The exact operation will depend on which, if any, sensor head is fitted. Note that any connected switch or sensor head will be operating at ELV.

This product should only be installed by a qualified electrician.



Configuring the fnc2000/AB/2 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.

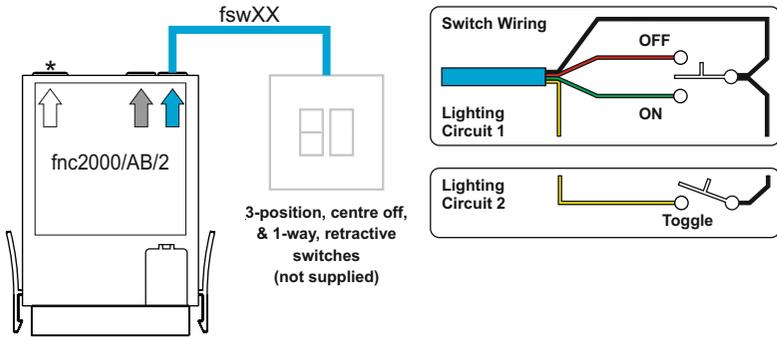


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 Leaflet reference number: 22/007 issue 8 04/03/2025



Using an fnc2000/AB/2 controller switches only

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



Operation:

Switch control:

Lighting Circuit 1:

ON pulse - turns the lights ON.
OFF pulse - turns the lights 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)

Operation:

Switch control:

Lighting Circuit 1:

ON pulse - turns the lights ON.
OFF pulse - turns the lights OFF.

Lighting Circuit 2:

Pulse - toggles the lights ON or OFF.

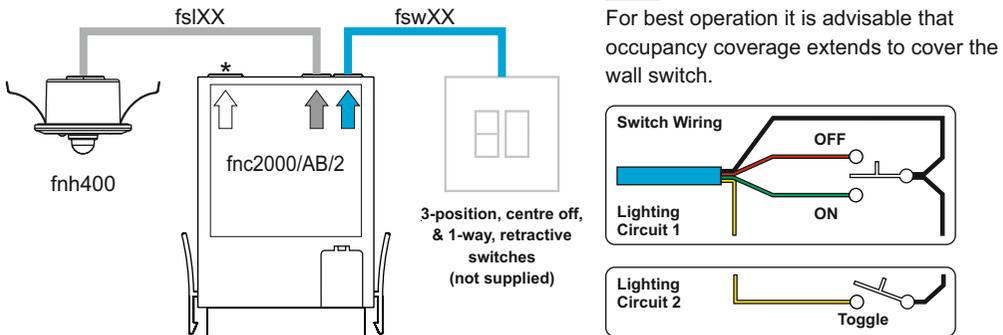
Absence detection:

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*.

Using an fnc2000/AB/2 controller with a sensor head and switches

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

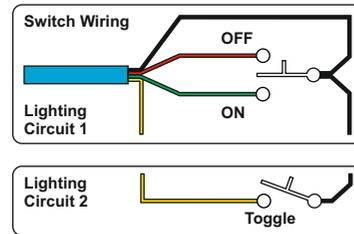


Note:

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:

For best operation it is advisable that occupancy coverage extends to cover the wall switch.



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.