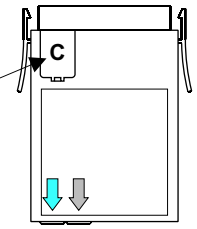
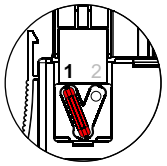
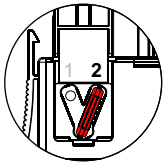
Switching Options

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





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.



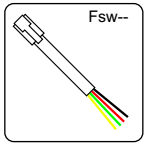
Link in position 2
Lights will switch OFF during an emergency test. Wire connection unit as shown in option A or B. Please refer to the back page for details.

Setting Up

Setup Remote Control - frc/set

The sensor can only be setup by using an frc/set remote control - ordered separately.
Full instructions for setting up the sensor are supplied with the frc/set remote control.

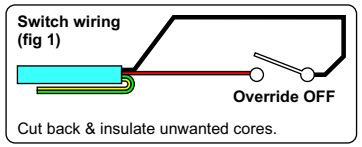
Optional Extras



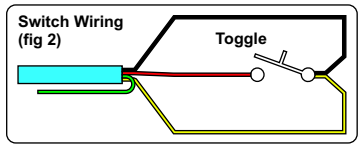
For fsw--
-- = length in meters in multiples of 5m i.e. Fsw05, Fsw10, fsw15 etc.

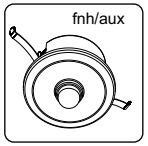
PELV - Switch Drop

Adding a PELV switch drop allows you to override your occupancy sensor off (fig 1) OR convert your occupancy sensor to absence control (fig 2)



(Switch not supplied)





Increasing Occupancy Coverage - fnh/aux

Occupancy coverage can be increased by adding up to a maximum of five slave sensor heads (fnh/aux) to your existing sensor head. The fnh/aux comes complete with a 'Y' adaptor to facilitate connection.
A connecting lead may also be required, part number fslXX (XX = length /5m).

Supply Voltage	:Nominal 230V~ 50Hz	**Compliance:**	2014/35/EU
Type	:Class 2		2014/30/EU
Material	:PA6 UL94 V-0 rated, Non-halogen		
Operating range	:-10°C to 40°C		
IP Rating	:IP20		
Switched Load	:6A		
Peak Inrush	:120A (duration <20mS)		

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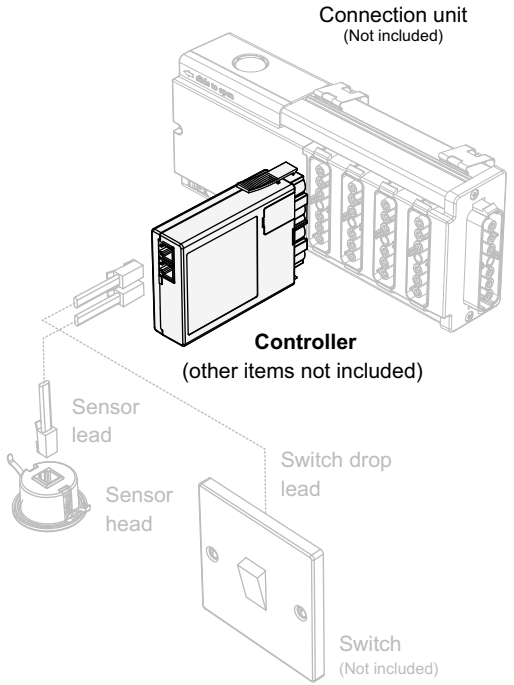
Leaflet reference number: **22/001** issue **9** 19/02/2025

fnc1000/u

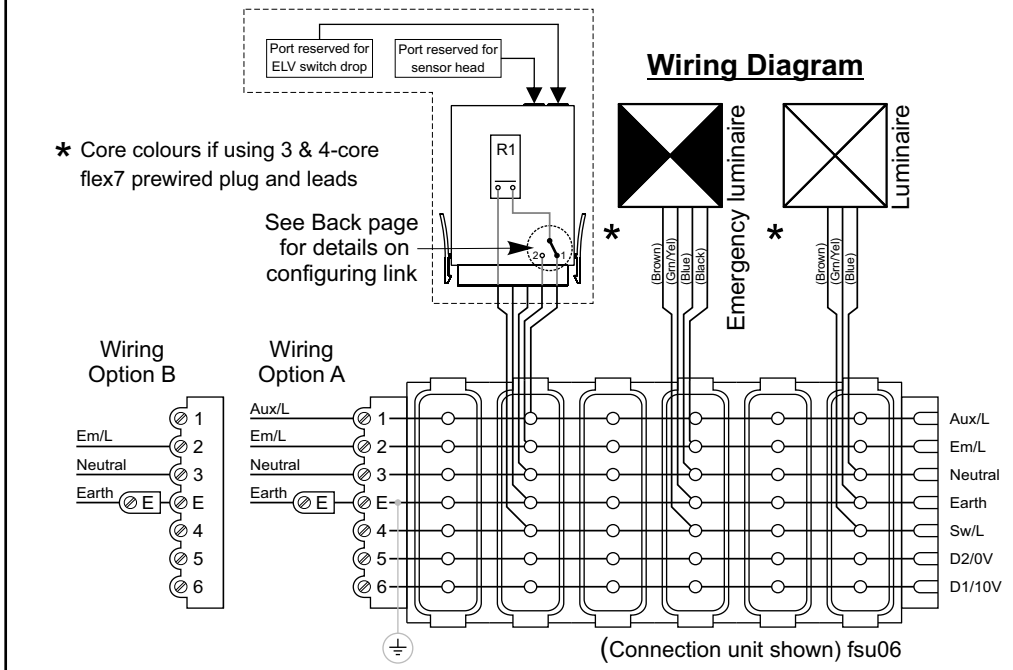
The fnc1000/u is a control device that plugs directly into any of the range of connection units or a 7-pole single socket outlet. Working with at least a plug-in sensor head and/or a switch, the device will control the connected mains rated luminaires ON and OFF. The exact operation will largely depend on which of the input devices are connected.
Note that any connected switch or sensor head will be operating at ELV.

Can be configured to accept latched or retractive switch inputs.

This product should only be installed by a qualified electrician.



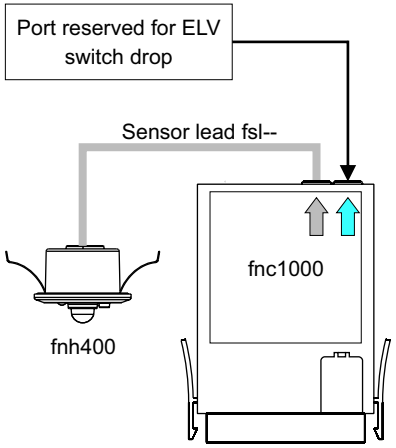
Configuring the controller and wiring the connection unit



Using **fnc1000/u** controller with a sensor head only

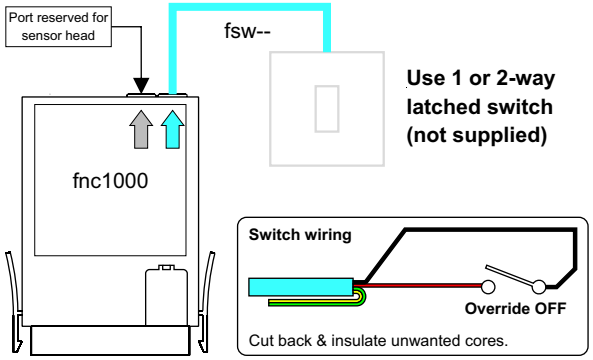
Occupancy detection: Not withstanding 'daylight dependency' (see below) lights will switch ON whenever there is occupancy detected by the sensor head. When occupancy is no longer detected, lights will switch OFF after a pre-selected *time-out* period.

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 **fnc1000/u** controller with a ELV switch drop only



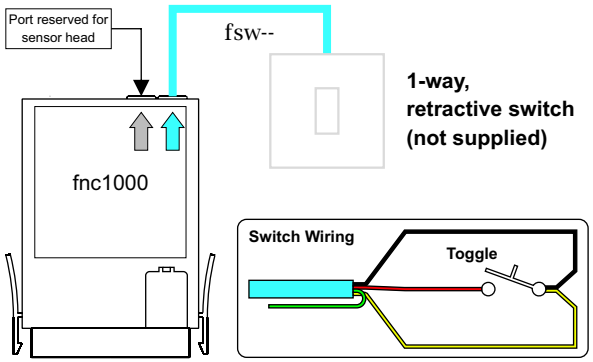
Use 1 or 2-way latched switch (not supplied)

Latched Switch

Operation: ON/OFF.
If your room requires 2-way switching you will need in addition:
1 x fsy/2e/2/0 'Y' adaptor for 2 x 2-way.
1 x fswXX Switch drop lead.
(XX = length in metres in multiples of 5m).

Note in the above case both switches must be 2-way latched type. Wiring instructions are supplied with fsy/2e/2/0 adaptor.

OR



1-way, retractive switch (not supplied)

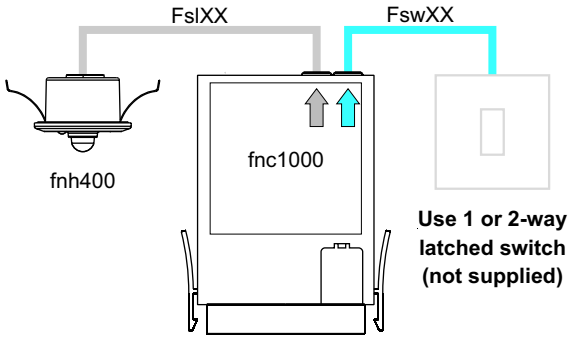
Retractive Switch

Operation: Toggle ON/OFF.
Note: Multiple switch inputs can be connected in parallel. For each additional switch you require:
1 x fsy/a 'Y' adaptor.
1 x fswXX Switch drop lead.
(XX = length in metres in multiples of 5m)

Mode wire (yellow) must be connected to common (black) on at least one switch in order to select 'retractive' mode switching.

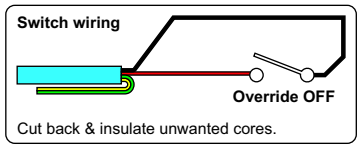
fnc1000/u with sensor head and ELV switch drop

Absence Sensing in conjunction with a 1-way Latched Switch



Use 1 or 2-way latched switch (not supplied)

Option A
If your room requires 2-way switching you will require in addition:
1 x fsy/2e/2/0 - 'Y' adaptor for 2 x 2-way.
1 x fswXX - Switch drop lead.
(XX = length in metres in multiples of 5m).
Note in the above case both switches must be 2-way latched type. Wiring instructions are supplied with fsy/2e/2/0 adaptor.

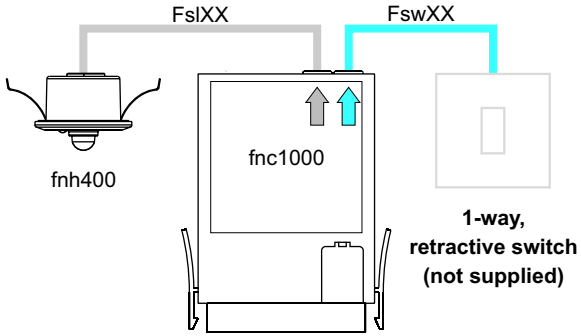


For best operation it is advisable to extend occupancy coverage to cover the wall switch, then operating the switch to **SENSOR** position ensures the lights turn ON.

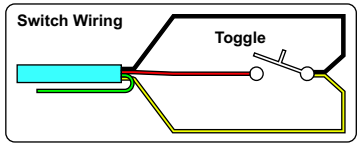
Operation:

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.
Daylight dependency: During periods of occupancy the lights will switch OFF if the ambient light detected under the sensor head exceeds the *set level*.
Override switch operation: Override OFF takes priority over occupancy sensing.

Occupancy Sensing in conjunction with a 1-way Retractive Switch



1-way, retractive switch (not supplied)



Note: Multiple switch inputs can be connected in parallel. For each additional switch you require:
1 x fsy/a - 'Y' adaptor.
1 x fswXX - Switch drop lead.
(XX = length in metres in multiples of 5m)

Operation:

Switch control:
A 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. Note: By default, absence sensors do not switch lights on due to occupancy, however with an frc/set setup remote control it is possible to reconfigure the unit to initiate the lights ON with first occupancy - This is not true occupancy detection as it can only occur where occupancy has timed out e.g. first thing in the morning.

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