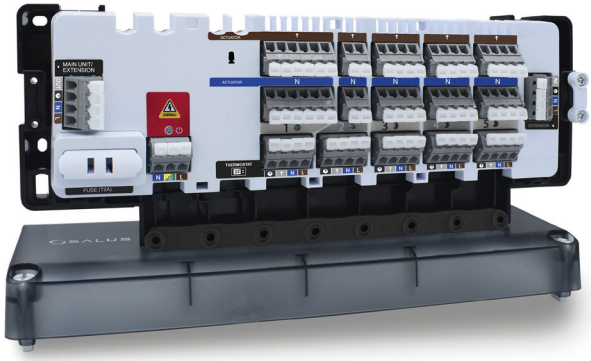
Contínal
UNDERFLOOR HEATING

# Quantum wiring extension: 5 zone

## Quick guide

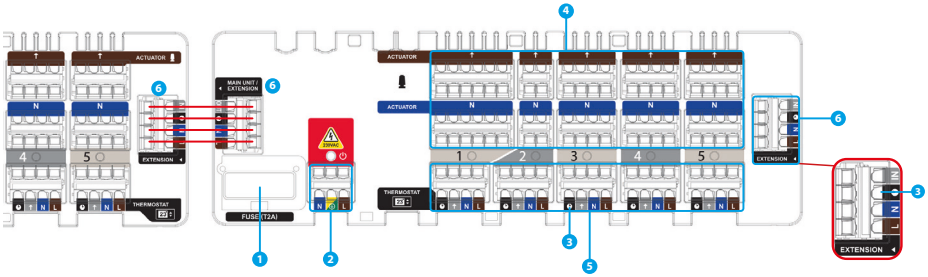


Simple to operate and easy to install, our Quantum wiring extension increases the capabilities of your Quantum wiring centre.

This plug-in unit allows you to control 5 different zones. Super-clear LED indicators keep you in the picture.

## Contents

# 1. Wiring centre description



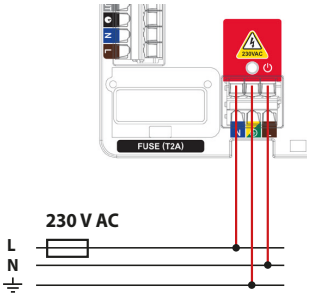

1. Cartridge fuse 5 x 20 mm T2A
2. Power supply*
3. NSB (Night Set Back reduction) function
4. Actuators output connections (AC 230V)
5. Thermostats input connections
6. Extension connection
7. Thermostat connection

* WARNING! DO NOT connect power supply to the 80206 power supply input when it is connected together with 80205. 80206 power supply input have to be used only when control box extension works as standalone device.

# 2. Power supply

Power supply for control box is 230 V ~ 50Hz. Three wire installation should be made in accordance with the current applicable regulations.

The red LED will illuminate indicating that the control box is connected to the power supply.

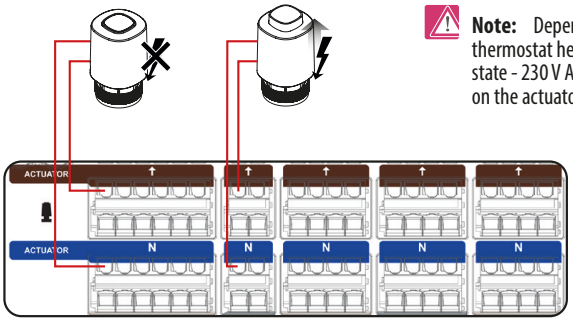


# 3. NSB (Night Set Back reduction) function

The NSB (Night Set Back) function enables you automatically reduce the setpoint temperature on non-programmable thermostats via programmable thermostat connected to the same control box or an extension module. NSB function changes comfort to economic setpoint temperatures for each thermostat individually. The programmable thermostat, e.g. installed in the living room, sends a signal to the non-programmable thermostats through a control box (by wires). Then, the non-programmable thermostats automatically reduce the setpoint temperature according to the value set on them. The NSB terminal is marked with the clock icon - all NSB terminals are connected together within control box. The NSB function works only in a 4-wire installations (see connection diagrams).

# 4. Actuators connection

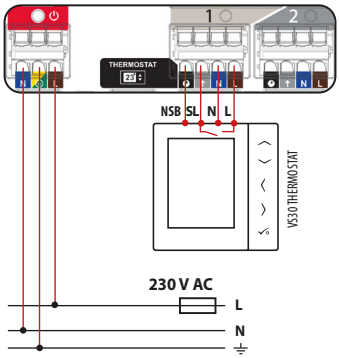
Actuators wires should be plugged into the spring clamps of the respective zones. Maximum current load for each zone is designed to handle up to 6 actuators with a power of 2W each. With more actuators in one zone, an additional relay should be used to make sure that actuators output will be not overloaded.



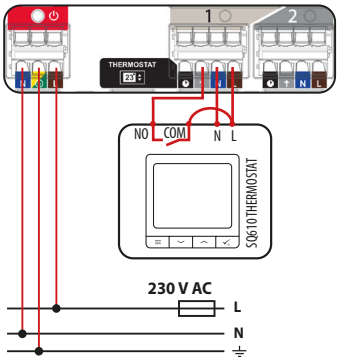

**Note:** Depends on the thermostat heating/cooling state - 230 V AC may appear on the actuators output.

# 5. Thermostat connection

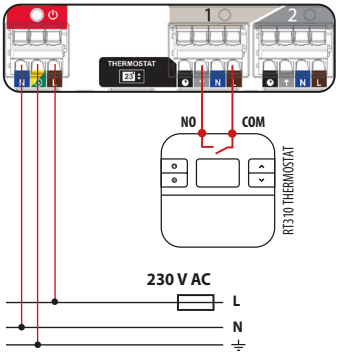
Connecting EXPERT NSB, HTR or BTR series thermostats




Connecting a 230 V thermostat to the 80206 control box extension




Connecting ON/OFF battery-powered thermostat with voltage-free COM / NO output contacts.




| | |
|---|---|
| L | 230 V live terminal |
| N | Neutral |
| ⏲ | NSB function terminal |
| SL (↑) | 230 V control signal |

Note: In NSB, HTR, ERT, BTR product series follow interchangeable signifying:

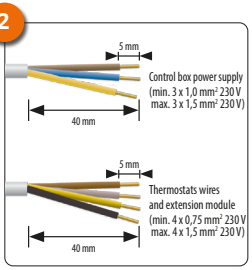
↑ = SL
⏲ = NSB

# 6. Installation

1

Remove the top cover of the control box.

2

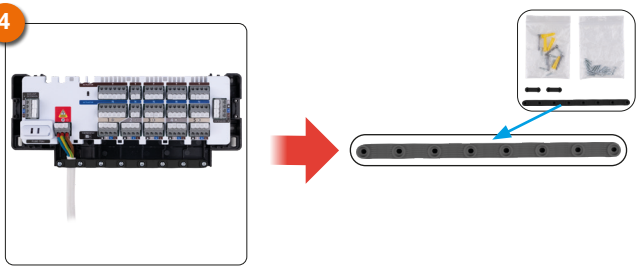



Remove the appropriate piece of insulation from the wires.

3

Connect the wires to the spring clamps according to the wiring diagrams. You can run the wires in the tunnel under control box housing.

4



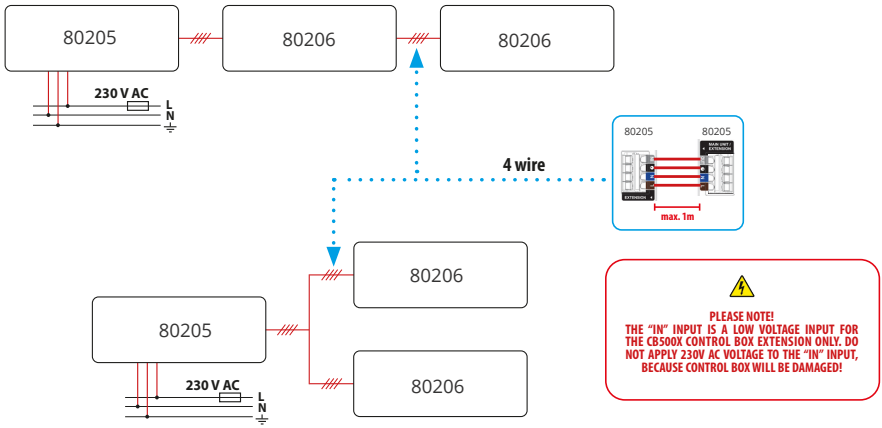
For safety use fastening strap to prevent power supply / thermostats wires from falling out.

5

Make sure that all the wires are properly connected, mount top cover and power up the control box - the red power indicator LED will be illuminated.

# 7. Connection to extension

If there is a need to increase the number of zones of the Quantum wiring centre, it is possible to connect a Quantum wiring centre extension using the extension connector. 230V AC power is supplied only to Quantum wiring centre. A maximum of two Quantum wiring centre extension can be connected to the extension input of the main Quantum wiring centre using a 4-wire cable (230V) - please pay attention to the terminal markings. All thermostats connected to the Quantum wiring centre or Quantum wiring centre extension have impact on the system module which controls the heat / cool sources in the Quantum wiring centre.



# 9. Product compliance and safety information

## Product compliance

This product complies with the essential requirements and other relevant provisions of the following EU Directives: EMC 2014/30/EU, Low Voltage Directive LVD 2014/35/EU and RoHS directive 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following internet address: www.saluslegal.com

## Safety information

Use in accordance with current national and EU regulations. Device is intended for indoor use only in dry conditions. Product for indoor use only. Installation must be carried out by a qualified person in accordance to current national and EU regulations.

Before attempting to setup and install, make sure that the devices is not connected to any power source. Installation must be carried out by a qualified person. Incorrect installation may cause damage to the devices. The CB500X should not be installed in areas where it may be exposed to water or damp conditions.

Contınal®

UNDERFLOOR HEATING

info@contınal.co.uk
www.contınal.co.uk
0333 800 1750

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