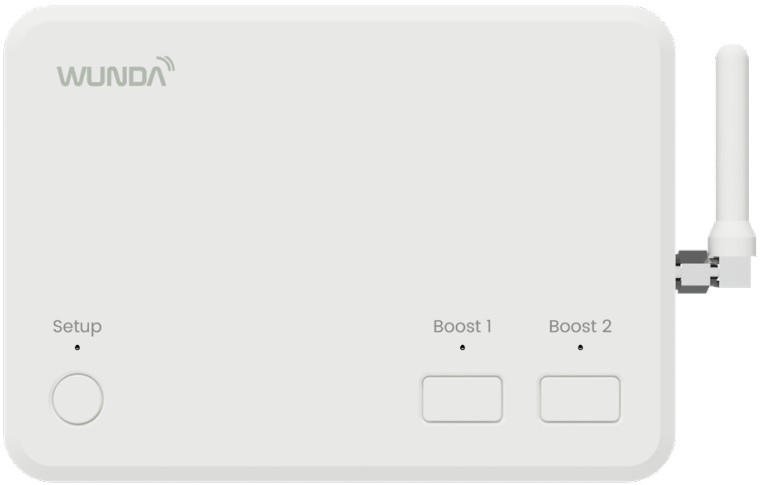
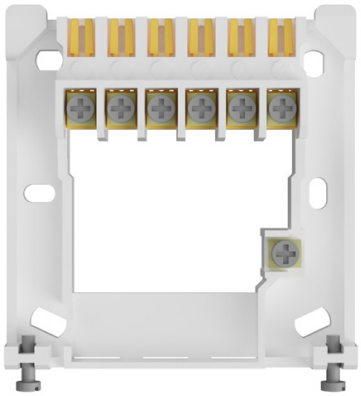
User Manual

Smart HubSwitch

WundaGroup PLC
NP26 5AD Caldicot
United Kingdom
www.wundasmart.com

Look out

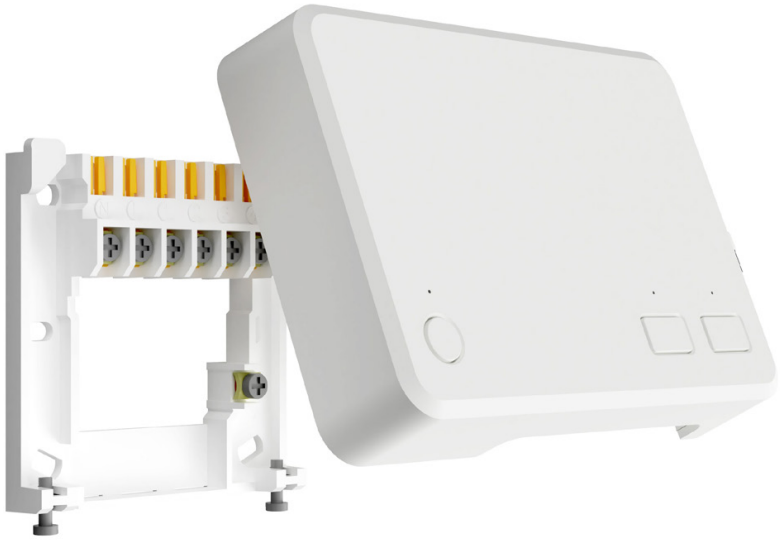


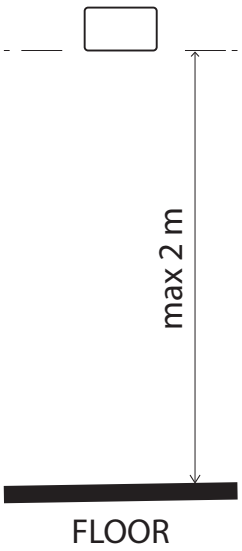


Security

1. Installation and connection should be carried out by technical service or authorized and qualified persons according to applicable regulations and standards.
2. Always disconnect the power supply when connecting or disconnecting the devices powered from the main device.
3. Do not use a surface mounting box as the wallplate is not designed for this purpose.
4. The installation that Hubswitch is connected to should be protected with the fuses adjusted to the current loads according to applicable regulations and standards.
5. The power supply (line L & N) connected to the HUB switch must be protected by miniature circuit breakers (MCB) 3A, Characteristic B
6. Before the installation, read the terms and conditions of the warranty and these instructions. Improper installation or use against these instructions will void the warranty.
7. All repairs to the device should be carried out by the technical service. Otherwise, it will void the warranty.
8. This device should not be operated by minors, people with reduced physical or mental abilities or with lack of experience or knowledge of the equipment, except if supervision and instruction for the safe use of the equipment is provided in such a manner that all the associated hazards are understood.
9. If a non-detachable power cord is damaged, it should be replaced by the manufacturer or a technical service worker, or a qualified person in order to avoid a hazard.
10. Do not install the device with mechanically damaged casing or damaged/broken cables.
11. The device must not be exposed to water or excessive humidity resulting in steam condensation (e.g. caused by rapid changes of the ambient temperature).

Mounting the wallplate





WARNING!
Don’t mount device above 2 m over the floor level.

Option 1

The ideal location should have reasonable lighting, good access, no condensation, no extremes of temperature and a supporting surface that fully covers the back of the unit. Position with 70mm clearance to the right, 25mm above and sufficient room to access the securing screws underneath. Fix, with terminals at the top, either direct to a flat wall using wall plugs and No. 6 x 1” (25mm) woodscrews, or on a flush mounting single conduit box type UA1 (BS4662) using M3.5 x 14 bolts. Now fit the Smart HubSwitch onto the wallplate and tighten the securing screws. Check the 3A fuse, and switch on the mains.

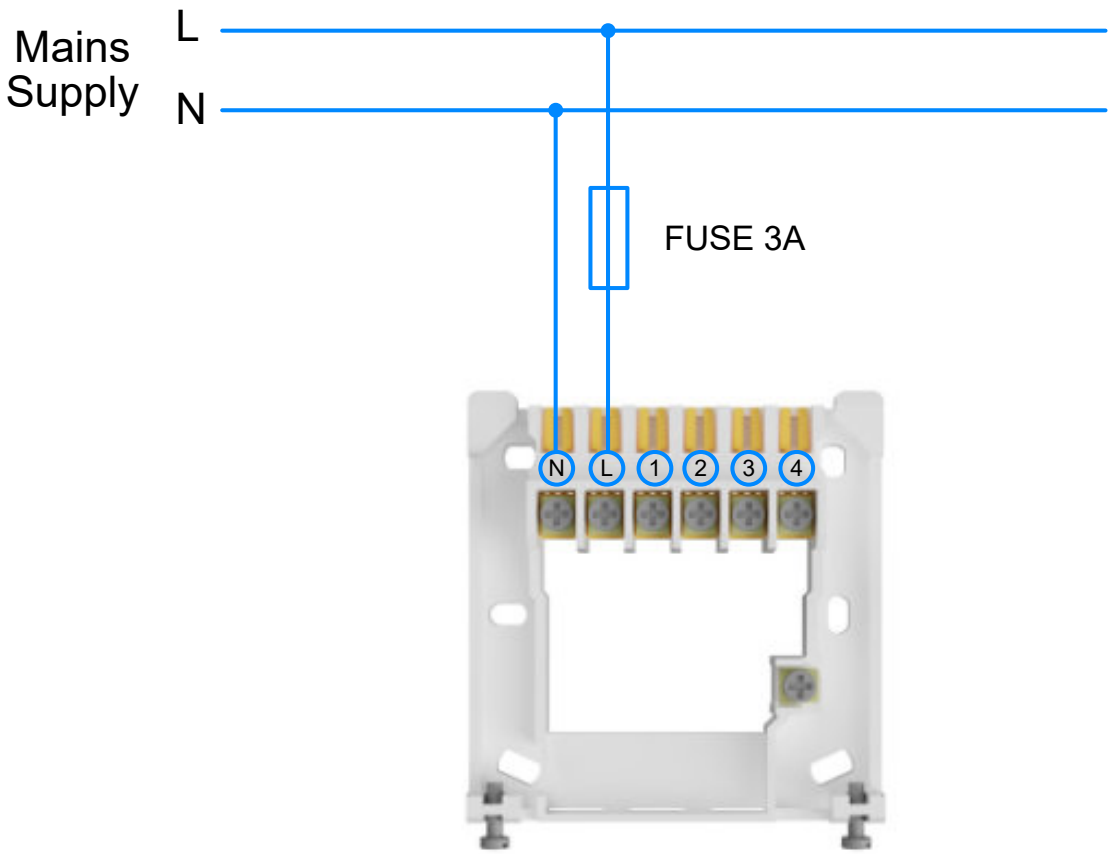
Option 2

Loosen the securing screws on the old controller/ programmer and unplug it. Check that there is 70mm clearance to the right of the wallplate and 25mm above it. Check the wiring diagram for your product model to compare terminals and, if necessary, change the wiring of the wallplate to suit. Now fit the Smart HubSwitch onto the wallplate and tighten the securing screws. Check the 3A fuse, and switch on the mains.

Power supply and fuse protection

An appropriate disconnect device shall be provided as part of the building installation.

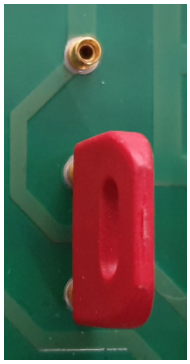
The power supply (line L & N) connected to the HUB switch must be protected by miniature circuit breakers (MCB) 3A, Characteristic B

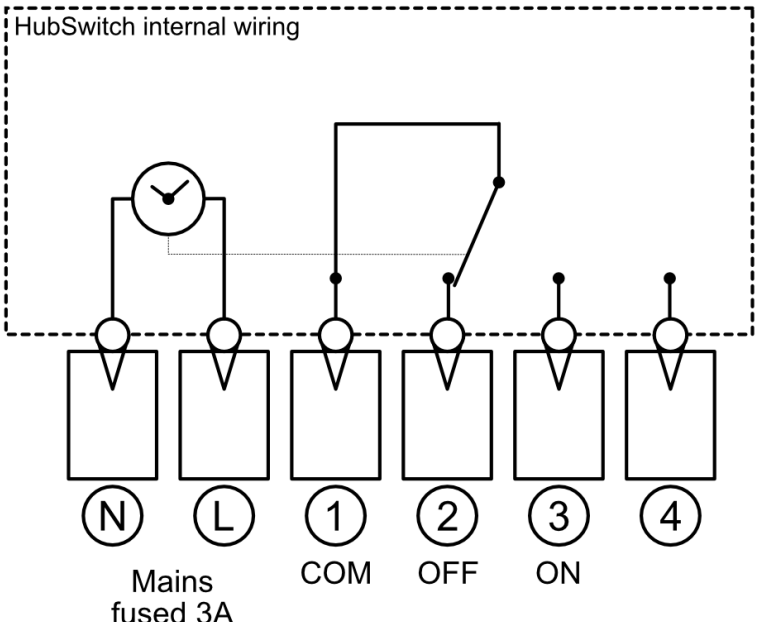


Wiring

Remember to set up dip switch and jumper according to your installation BEFORE mounting Smart HubSwitch onto the wallplate.

Option 1a - One Channel - voltage free

Dip switch configuration:	**Jumper configuration** (external power supply)
	



WARNING!
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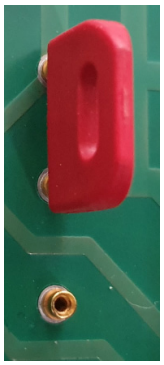
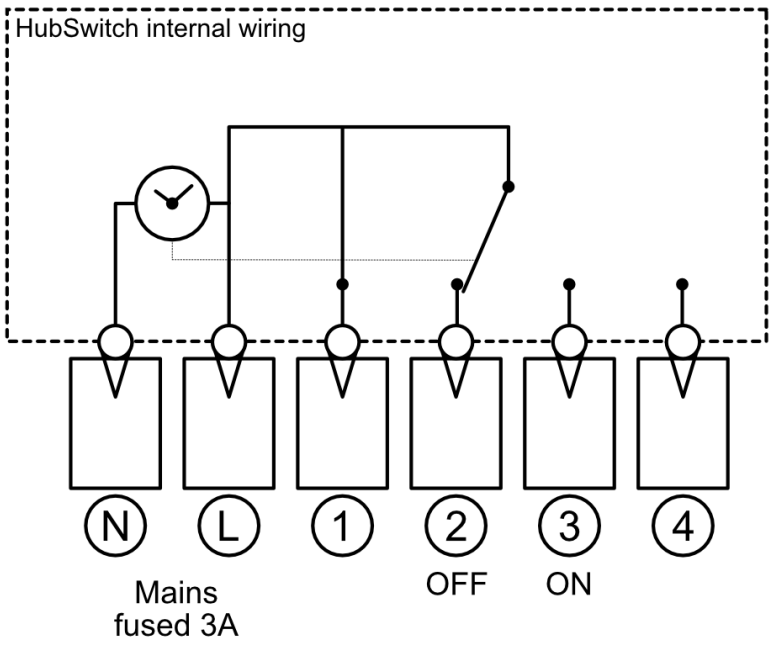
Wiring

Option 1b - One Channel - 230V output

Dip switch configuration:	**Jumper configuration** (external power supply)
	
	

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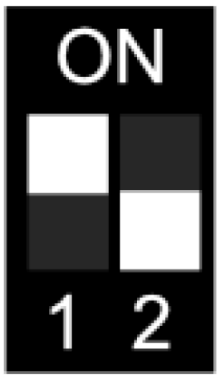
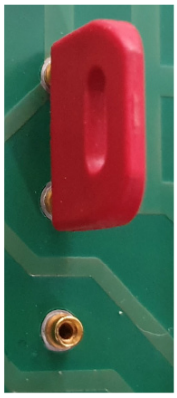
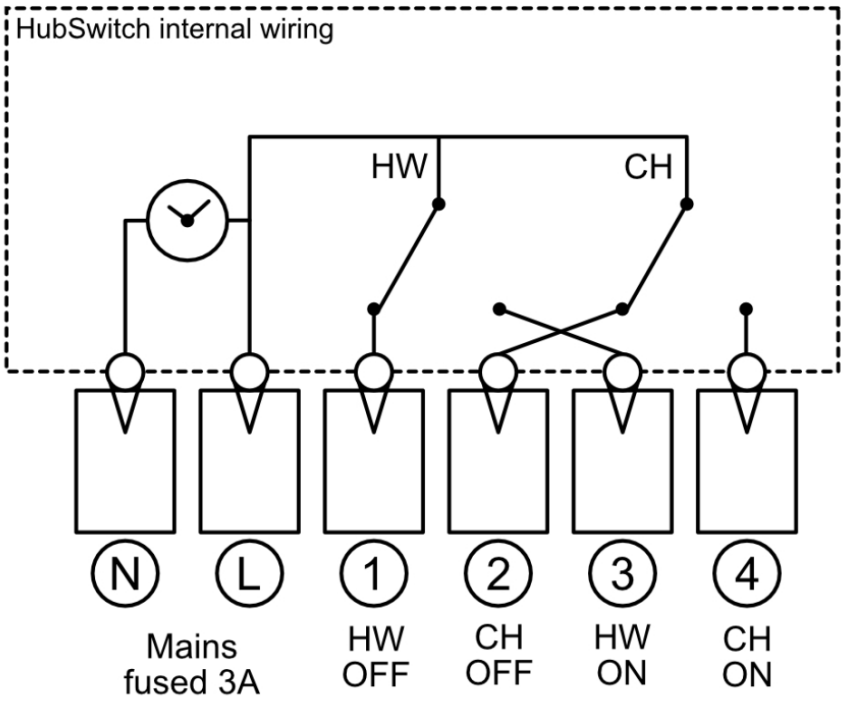
Option 2 - Two Channel

Dip switch configuration:	Jumper configuration (external power supply)
	



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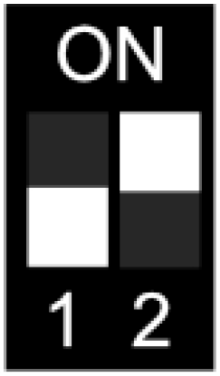
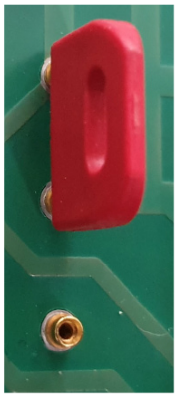
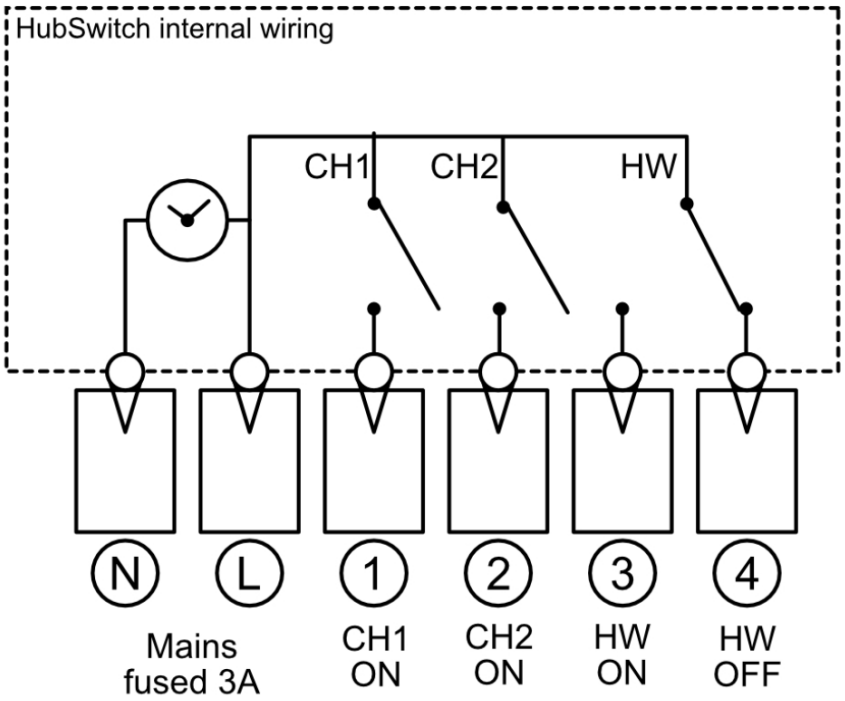
Option 3 - Three Channel

Dip switch configuration:	Jumper configuration (external power supply)
	
	

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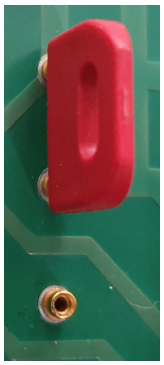
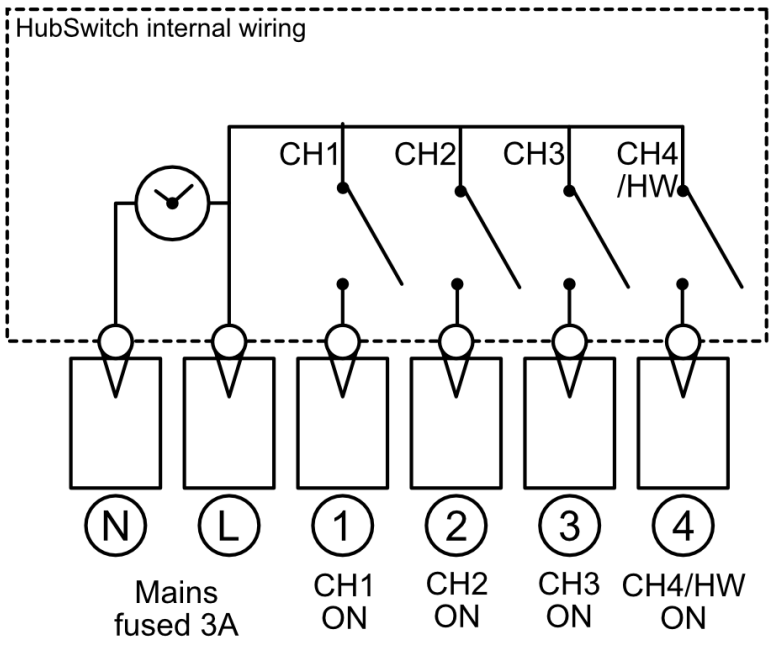
Wiring

Option 4 - Four Channel

Dip switch configuration:	**Jumper configuration** (external power supply)
	
	

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Boiler with OpenTherm

If your boiler supports OpenTherm, please follow the instructions under this step.

Existing OpenTherm installation

1. Remove the OpenTherm cables from the existing controller or thermostat.
2. Wire the Open Therm cables to the Open Therm connector provided with Smart HubSwitch. It does not matter which way the cables are wired.
3. Insert the Open Therm connecter into the Open Therm socket on the backside of Smart HubSwitch
4. Wire L & N on the wallplate from a separate supply with a 3A fuse.
5. Mount the Smart HubSwitch on the wallplate.

Download the App

Android

https://play.google.com/store/apps/details?id=com.wundasmart.app

Apple iOS

https://apps.apple.com/us/app/wunda-smart/id1168581837

Connecting to WiFi

Ensure the Smart HubSwitch is installed in a position with WiFi coverage. Only 2.4 GHz Wi-Fi networks are supported. To start connecting WiFi press the Setup button on the Hubswitch, open the Wunda mobile app and proceed according to the app instructions. You have to know the network identifier and password, it is required for the connection setup.

Testing System

Boost 1 and Boost 2 buttons

Boost 1 and Boost 2 buttons are fully configured via dedicated Smart HubSwitch Application (available for Android and iOS).

You can configure them to boost up heating and/or hot water. Pressing once either of those buttons will trigger configured functionalities and signaled by solid green LED situated just over buttons. Each button has its own corresponding LED.

Setup button

After installation of the Smart HubSwitch onto wallplate, all configuration of the Smart HubSwitch is done via application. You have to press Setup button once (LED situated over Setup button will flash white) and follow the steps shown within the application.

Setup LED	
flashes blue	No WiFi connection
flashes green	Connected to WiFi
solid green	Connected to WiFi and server
flashes white	Configuration mode - no connection to mobile device (with application installed)
solid white	Configuration mode - connected to mobile device (with application installed)

BOOST 1 LED	
LED is off	BOOST 1 inactive
solid green	BOOST 1 active

BOOST 2 LED	
LED is off	BOOST 2 inactive
solid green	BOOST 2 active

Technical Specification

Dimension	158x100x28
Weight	235g
Power Supply	230V~ 50Hz
Mounting	Industry standard wall plate
Switch Rating	2(1)A 230V AC each switch. Total load must not exceed 2.5A
Wiring	Fixed wiring only
Operating Temperature	0°C to 45°C
Storage Temperature	-10°C to 55°C
Ingress Protection	IP30
Ambient Humidity	Operating 25% to 90%, Storage 15% to 95% (non-condensing)
Software Class	A
Rated Impulse Voltage	2.5kV
Radio SRD	
Frequency	869.85 MHz
Bandwidth	125 kHz
Maximum Power	< 5 dBm
WiFi	
Standard WiF	802.11b 11Mbps
Maximum Power	< 18.5dBm
Frequency Range	2.412 MHz - 2.472 MHz