

JG Speedfit[®]
UNDERFLOOR

aura
underfloor heating controls



*Wireless Thermostats
230v and Battery Operated*

Instruction Manual

For models:

JGSTATW2W

JGSTATW2B

JGSTATW1W

JGSTATW1B



www.speedfitUFH.co.uk

Contents

Box contents:



1 x Instruction Manual



4x AAA Batteries



Fixing screws



JGSTATW2

JGSTATW1

Instruction manual:

- Box contents
- Introduction
- Product Compliance
- System options overview
- Installation
- Parameter settings
- Error codes
- User guide
- Installers notes

Icons used in this manual:



Safety



Important info



Your benefit

For latest PDF instruction manual please go to www.speedfitUFH.co.uk

Product Compliance & Safety Information

Introduction. Thank you for purchasing one of our Speedfit Aura Wireless Thermostat models. It must be used with the JGCO Wireless Coordinator. The Wireless Coordinator allows communication with other devices in the Aura Wireless system range including wiring centre, system receiver and TRV.



Product Compliance. This product is CE compliant and meets the following EC Directives:

RoHS2 2011/65/EU, Electro-Magnetic Compatibility directive 2004/108/EC and Low voltage directive 2006/95/EC.



Safety Information. Use in accordance with the regulations. The Aura JGSTAT2 is to be used for room control of heating and hot water systems inside buildings.

We hope you enjoy this product...

Product Compliance & Safety Information

These instructions are applicable to the Aura models stated on the front cover of this Instruction Manual only.



Warning. This product must be fitted by a competent person. Installation must comply with the guidance, standards and regulations applicable to the location where the product is installed. Failure to comply with the requirements of the relevant guidance, standards and regulations could lead to prosecution, injury or death.



Sources of danger. The thermostat must be disconnected from mains supply before removing the cover.



Emergency. Switch off the voltage to the individual thermostat, wiring centre or complete system.



230V AC



Warning. Always isolate the AC Mains supply before installing or working on any components that require 230v AC 50Hz supply.



Installer parameter settings. Aura Wireless Thermostats are equipped with an Installer Parameter section (see page 40). This must only be entered by the installer or a competent person. Changing these parameters can have a serious effect on your heating system.



For the installer. Please enter any parameter changes in the Installer Notes section (pages 90 and 91).

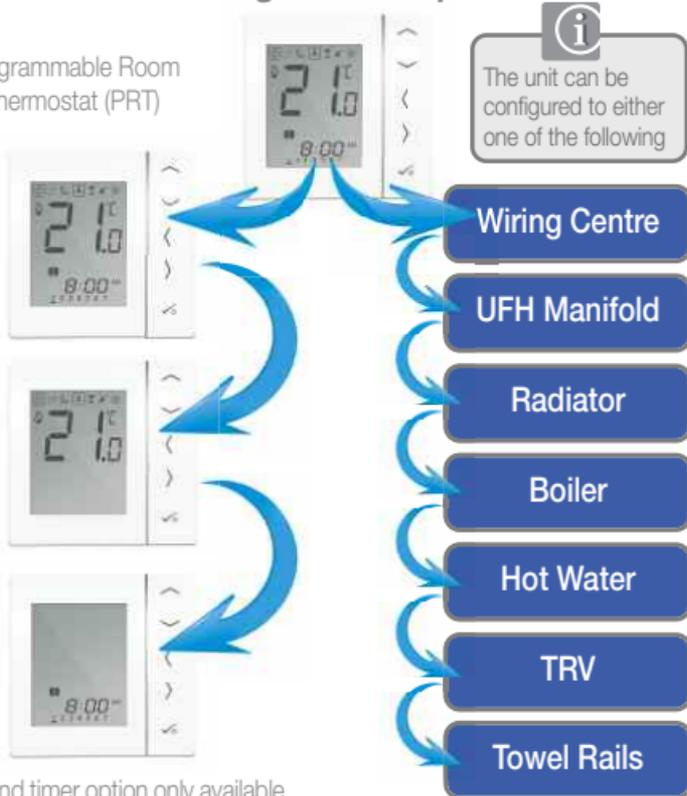
System Overview - Configuration Options

- 1** Programmable Room Thermostat (PRT)

- 2** Group Control Thermostat *

- 3** Group Thermostat *

- 4** Timer



* Grouping and timer option only available when used with wiring centre.

System Overview - Configuration Options

Programmable Room Thermostat (PRT). When configured for PRT (see page 32) it mainly works by itself and allows the user to have separate Time and Temperature control of each zone on the wiring centre, radiator valve or system receiver. Features like Vacation, Party and Frost mode have to set on each individual thermostat. All PRTs paired with a wiring centre can also use the global heat/cool changeover function if the your system supports this. This is achieved by using the heat/cool changeover connection on the wiring centre (see the Wiring Centre Instruction Manual).

Group Control Thermostat. When configured as a Group Control Thermostat (see page 32) and paired to a wiring centre, the unit allows central control of up to 7 group thermostats (see below). There can be a maximum of 2 groups per 8 zone wiring centre. Permanent temperature override, Holiday, Party and Frost modes can be selected centrally from the Group Control Thermostat. Holiday mode will also be applied to a timer if applicable. Thermostats can also be globally changed from heating to cooling thermostats if your system supports this by using the switched input connection on the JGWCW (see te Wiring Centre Instruction Manual).

Group Thermostat. When configured as a Digital Thermostat with an assigned group (see page 31), the unit will follow the time schedule and override modes of the Group Control Thermostat. At least one Group Control Thermostat is required for grouping (see above). The Group Thermostat can have its own programmed temperatures, manual override and also be removed from the group temporarily or permanently.

Timer. When configured as a Timer (see page 32), the unit will operate without temperature control. In this configuration, the unit can be used as a Hot Water Timer. The Timer will also follow a Group Control Thermostat when Holiday mode has been activated.

System Overview - Wireless Coordinator

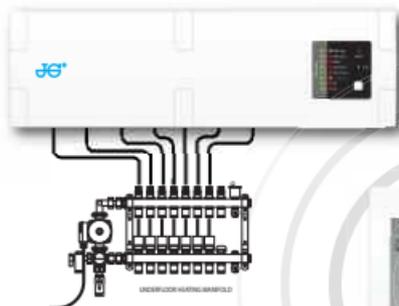
 JGCO Wireless coordinator required for communication between these devices.



System Overview - Speedfit Aura



The thermostat can communicate with all of these Aura devices.



JGBR configured to Boiler Receiver (RX1). Refer to JGBR Instruction Manual.



JGBR configured to single room receiver (RX2). Refer to JGBR Boiler Receiver Instruction Manual.



Max 3 TRV per thermostat.

System Overview - Hot Water Option



When the unit is configured as a hot water timer (see page 32) there are two methods of connecting the cylinder thermostat.

Unit configured to
Hot Water Timer.



Cylinder thermostat options:

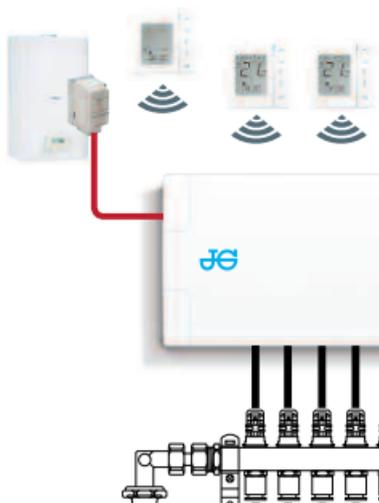
- 1 Connected directly to JGWCW (default).
- 2 Connected directly to Aura Wireless Thermostat (requires additional parameter change. See page 57).

System Overview - Hot Water Option

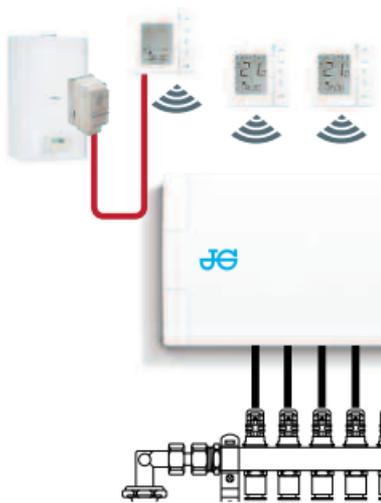


For convenience there is a unique built in option allowing the cylinder thermostat to be connected to either the HW Timer or Wiring Centre.

- 1** Connected direct to JGWCW (default).



- 2** Connected direct to JGSTATW (requires additional parameter change see page 57).

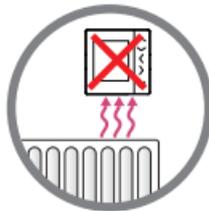
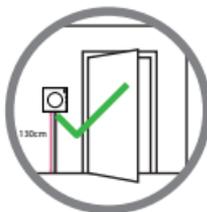


Please refer to the Wiring Centre Instruction Manual and pages 15 and 20 for more information.

Installation - Thermostat Mounting



Mounting position and installation. To ensure trouble free operation and efficient control, the unit is best positioned in a draft free area and at 130cm from the floor. Do not position the thermostat near any heat source, behind curtains, direct sunlight or an area of high humidity.



Not to be positioned on an exterior wall.

Installation - Thermostat Mounting (JGSTATW1)

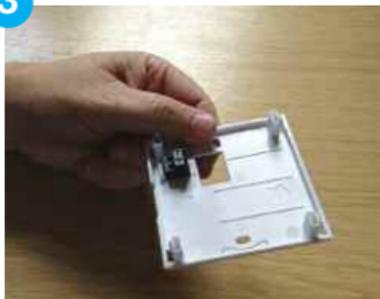
1



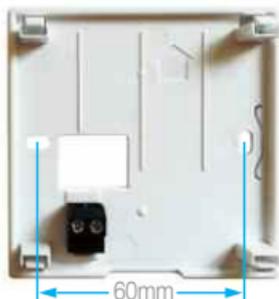
2



3



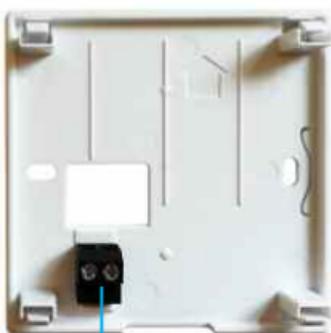
Carefully remove the front housing.



Installation - Terminal Connections (JGSTATW1)

Understanding your terminal connections.

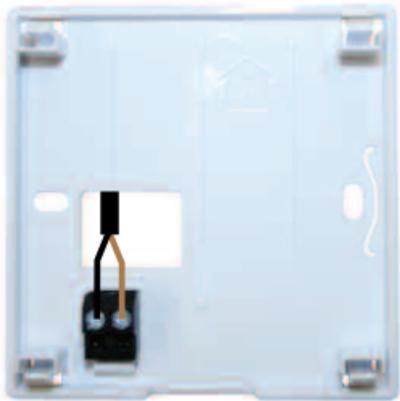
Rear of unit



Sensor Terminals.

Can be used for an external Air or Floor sensor when configured as thermostat. Can also be used for Cylinder thermostat when configured for HW. See page 57.

Installation - Thermostat External Sensor (JGSTATW1)

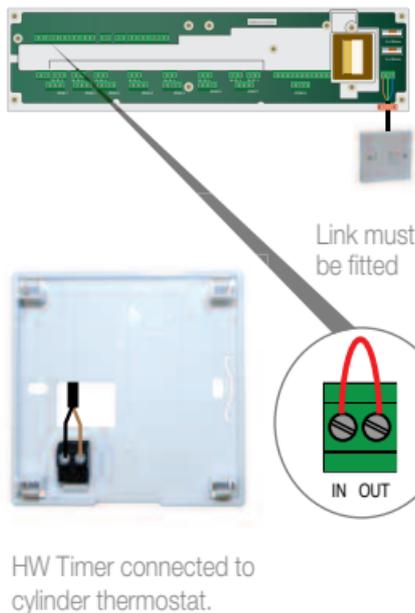
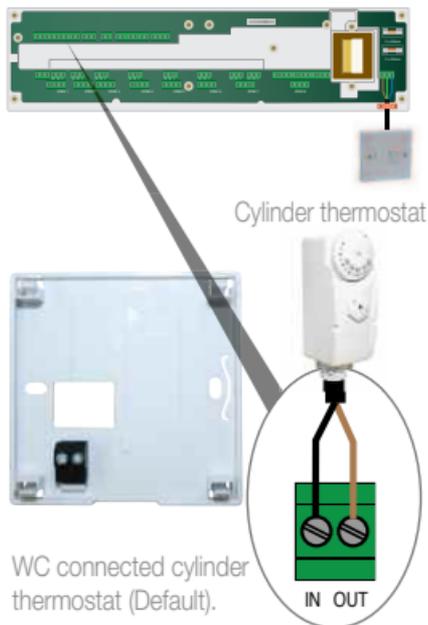


Speedfit Aura External sensor (Sold separately).



Note: If you are using an external sensor, the unit has to be configured for External Air Sensor or Floor Protection Sensor please see Device Parameter setting page 57.

Installation - Hot Water Cylinder Thermostat (JGSTATW1)



Note: Optional - The JGSTATW1 can be configured for connection to a cylinder thermostat. Please see Device Parameters on page 57. For additional wiring centre information refer to Wiring Centre Instruction Manual.

Installation - Thermostat Mounting (JGSTATW1)

Once you have connected your choice of external sensor (if applicable).

1



2



3



Insert batteries

4



Note: Please proceed to page 23.

Installation - Thermostat Mounting (JGSTATW1)

1

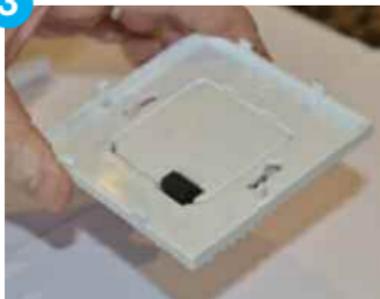


2

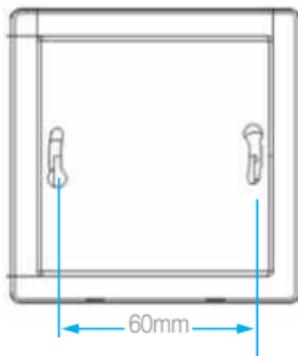


Carefully remove the front housing.

3



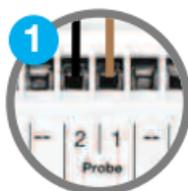
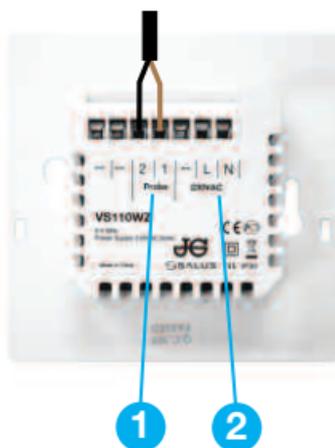
Carefully remove the front housing.



Installation - Terminal Connections (JGSTATW2)

Understanding your terminal connections

Rear of unit



Sensor Terminals. Can be used for external Air or Floor sensor when configured as thermostat. Can also be used for Cylinder thermostat connection when configured as a Timer.



Power Terminals 230v AC. Used for supplying power to the unit. 230v supply can be sourced from the wiring centre or any convenient source.

Installation - Thermostat External Sensor (JGSTATW2)



Aura External sensor (Sold separately).



Note: If you are using an external sensor, the unit has to be configured for External Air Sensor or Floor Protection Sensor. Please see device parameter setting page 57.

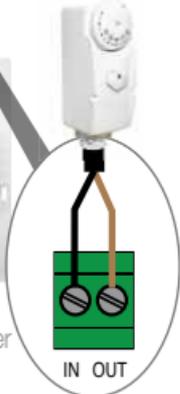
Installation - Hot Water Cylinder Thermostat (JGSTATW2)



Cylinder thermostat



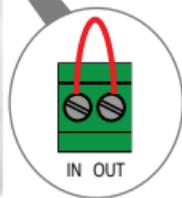
WC connected cylinder thermostat (Default)



Link must be fitted



HW Timer connected to cylinder thermostat.



Note: Optional - The JGSTATW2 can be configured for connection to a cylinder thermostat. Please see Device Parameters on page 57. For additional wiring centre information refer to Wiring Centre Instruction Manual.

Installation - Thermostat Mounting (JGSTATW2)



Check that the wiring is completed for:

1

Power Terminals

2

Sensor Terminals (if applicable)



You are ready to secure the rear housing to the wall box.



Please use the screws provided.



Ensure the orientation arrow is pointing upwards.



Installation - Thermostat Mounting (JGSTATW2)



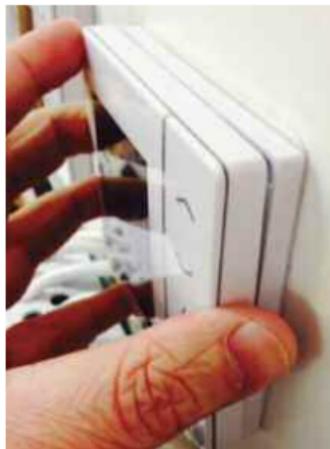
Fit the front housing to the rear housing.



Ensure the pin connections are aligned.



- 1** Align the front housing at the bottom edge.



- 2** Lightly press until you hear a positive click.

Installation - LCD Graphics

ICON	FUNCTION
	Box: Indicates selected mode e.g.  means the current setpoint is Hi temp,  means the Hi temp is not selected.
	Sunny: High comfortable temperature.
	Cloudy: Middle comfortable temperature.
	Moon: Low comfortable temperature.
A	Programmable Thermostat program mode indicator: Indicates program is running, Auto On or Auto Off. For group thermostat this indicates that it is a member of a group.
	Party indicator: When Party mode is active.
	Holiday indicator: When Holiday mode is active
	Frost protection indicator: Frost protection is active, not available in cooling mode (if applicable)
	RF Transmission is active
M1	Group 1 Control Thermostat
M 2	Group 2 Control Thermostat
1	Group 1 Thermostat
2	Group 2 Thermostat

Installation - LCD Graphics

ICON	FUNCTION
	Heat indicator: Indicates demand for heat.
	Cool mode indicator: Indicates cooling is required (if applicable)
	Temperature indicator: Displays room temperature, Set-temperature, or other information.
	Temporary manual override indicator: If the set temperature is changed when in program mode, the hand will appear until the next program start time.
	Programs number indicator: Displayed in AUTO mode or Temporary Override. The number indicates which program is running.
	Day indication: 1 = Monday

Installation - LCD Graphics

ICON	FUNCTION
	Hot Water (HW) indicator: Unit operating as a Hot Wwater Timer
	Hot Water (HW) indicator: Indicates demand for Hot Water.
	HW Program mode indicator: Indicates program is running.
	HW Mode indicator: Mode for 1 period of HW a day, from Program 1 ON to Program 3 OFF.
	HW Mode indicator: Hot water switched on (continuously).
	HW Mode indicator: Hot water switched off (continuously).
	HW Mode indicator: Indicates Boost +1hr override.

Installation - LCD Graphics

ICON	FUNCTION
	Floor sensor probe indicator: Show only when Air + Floor sensor is connected.
	Low battery indicator: Batteries need to be replaced.
	Setting indicator: Indicates the unit is in program setting mode.
	Keylock indicator: Keys have been deactivated.

Installation - User Interface

KEY	FUNCTION
 OR 	<ol style="list-style-type: none"> 1. Increase or decrease setpoint temperature. 2. Increase or decrease Day, Clock, Timer, Party, Holiday and Boost. 3. Select installer parameter value.
 OR 	<ol style="list-style-type: none"> 1. Mode selection. 2. Long press to return to home display without saving. 3. Short press to return to the previous screen when it is in user/installer setting mode.
	<ol style="list-style-type: none"> 1. OK key: Short press to confirm selection. 2. Long press to save and exit. 3. Long press to enter the user settings.
 LONG PRESS	Lock/Unlock
 LONG PRESS	Enter Installer parameter settings

Installation - Graphics Key



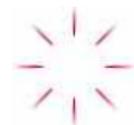
Press once



Press x amount of times



Hold for five seconds



Flashing



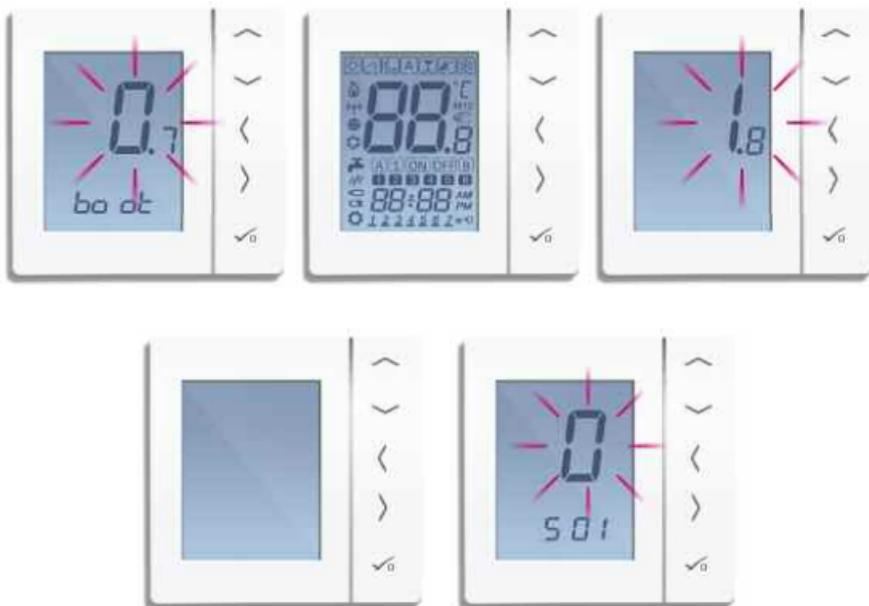
Short press to
back up



Short press to save and
long press to save and exit



Installation - First Power Up

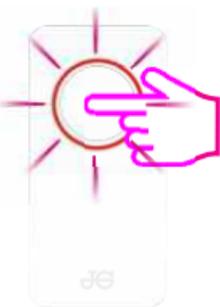


Installation - System Setup

System setup checklist

- 1 The Wireless coordinator must be in pairing mode.**
Before starting the pairing, make sure the light is flashing on the coordinator by holding the button for 5 seconds. For more information refer to the Coordinator Instruction Manual.

- 2 The device that you intend to pair with must be ready to accept pairing.**
Please refer to pages 33 - 45 and the relevant device Instruction Manuals.



Installation - System Parameters

You are now ready to configure the unit using the system parameter table below.



SX	FUNCTION	SYSTEM SETTING	DEFINITION	DEFAULT
S01	System Unit Type	0	Programmable Stat (PRT)	0
		1	Digital Thermostat	
		2	HW Timer	
S02	What does unit Communicate with in the Aura system	0*	Aura Wiring Centre*	0
		1	Aura radiator valve	
		2	System Receiver set for RX2	
		3**	System Receiver set to RX1**	



*Grouping requires a wiring centre. Please refer to page 6. Additionally you must have a PRT for grouping to operate. Two groups are the maximum allowed per wiring centre.

** This setting is used when there is only a system receiver only in the system. If there is a system receiver set to RX1 used along with wiring centre, radiator valves and system receiver set to RX2 then RX1 will communicate automatically to the thermostat connected to these other devices.

Installation - System Setup

Selecting unit type.



Use  or  to select the type of unit. After selection has been made, press  to confirm.

-  Programmable Thermostat (PRT)
-  Digital Thermostat
-  HW Timer

Selecting what device to pair with



Use  or  to select the type of device to pair with.

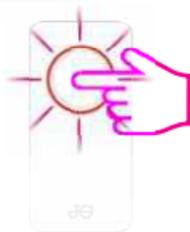
-   Wiring Centre. Page 33
-   Radiator Valve. Page 37
-   Single Room Receiver (RX2). Page 41
-   Boiler Receiver only (RX1). Page 44

Installation - Pairing with Wiring Centre



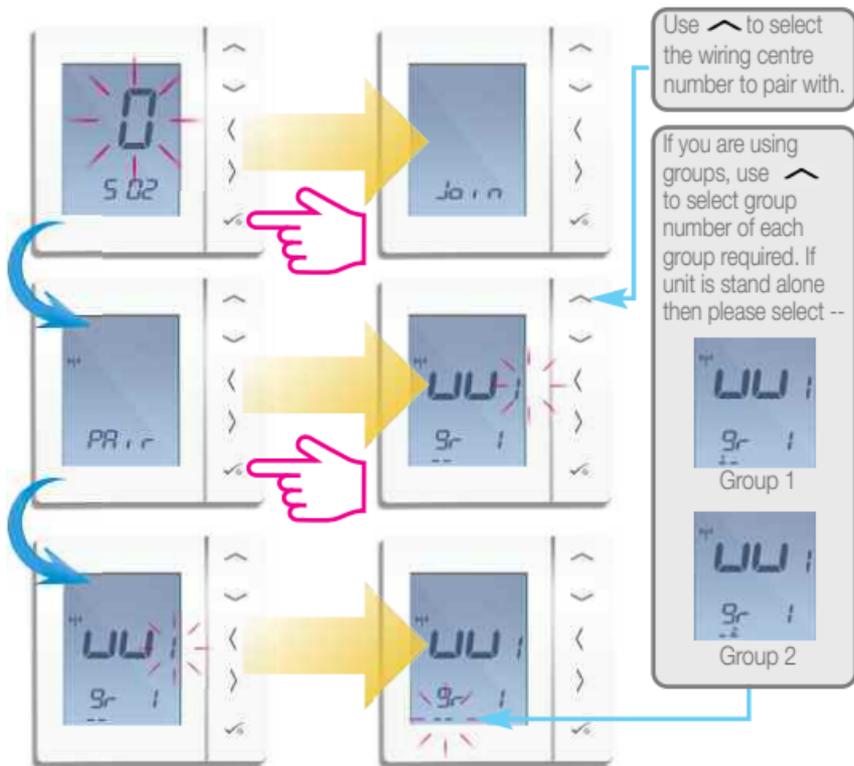
Checklist

- 1 The Wireless Coordinator must be in pairing mode.
- 2 Ensure the wiring centre and optional system receiver (Configured to RX1) for remote boiler switch are powered up.
Note: The wiring centre and system receivers will automatically join the Zigbee network when powered up and the Wireless Coordinator is in pair mode. Red LED on Wiring Centre and RX1 will go steady when the devices have joined the Zigbee network.



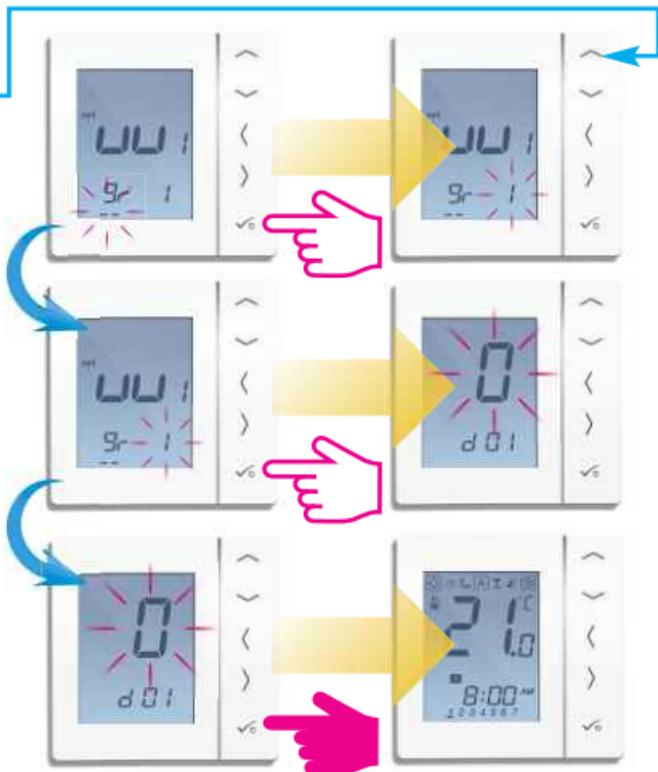
- 3 If more than one wiring centre is in the system, establish and note the wiring centre number by pressing the network key for 1 second. The wiring centre number will flash.

Installation - Pairing with Wiring Centre



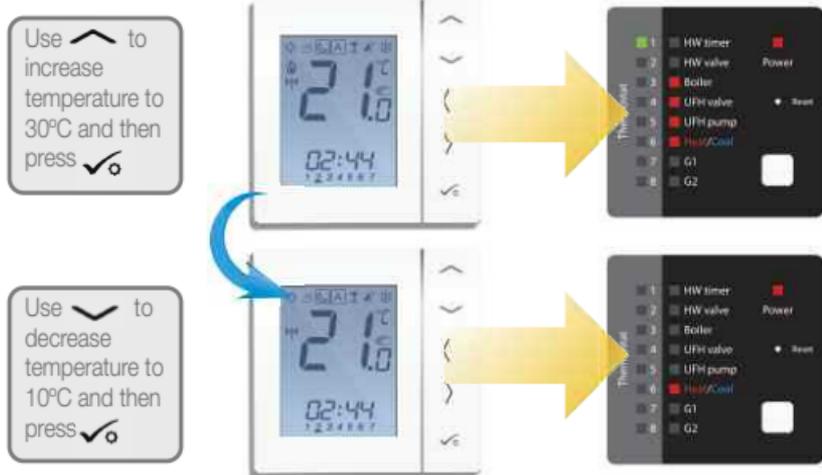
Installation - Pairing with Wiring Centre

Use  or  to select the wiring centre zone number 1 to 8.



Long press to exit to home screen or continue to change device settings. Refer to page 57.

Installation - Testing the pairing with the JGWCW



If you are using the optional system receiver configured to RX1 please check that the green light goes on when the temperature is raised and off when reduced.



If pairing for your system is complete, please take the Coordinator out of pair mode. Press for 5 seconds and light will stop flashing.



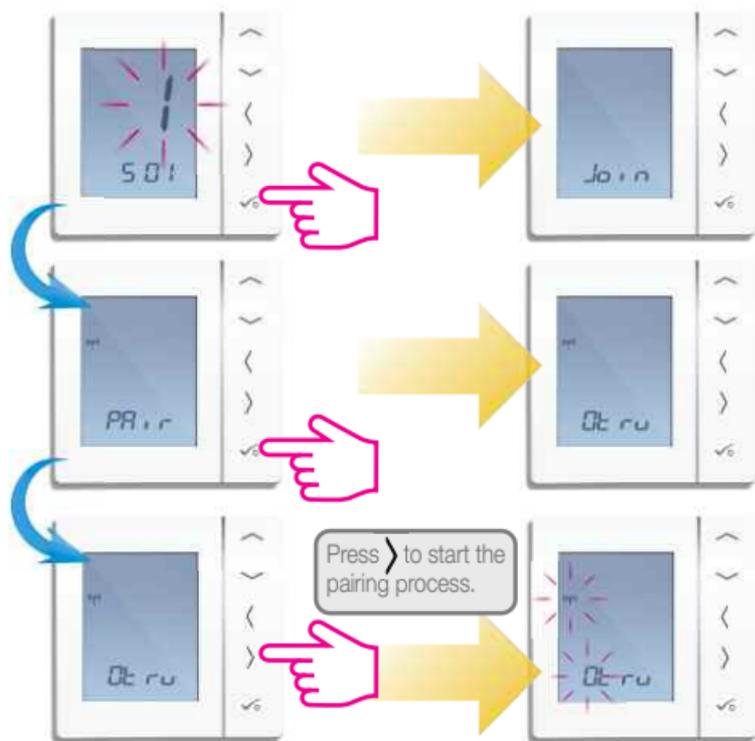
Installation - Pairing the Radiator Valve(s)



Checklist

- 1 The Wireless Coordinator must be in pairing mode.
- 2 Ensure that the radiator valves are in pairing mode (Refer to JGTRV Instruction Manual). A maximum of 3 radiator valves can be paired with each thermostat. Please pair TRV's on a room by room basis.
- 3 If you are using the optional system receiver configured to RX1 for remote boiler switching, ensure this has been powered up and the red flashing LED has gone steady.

Installation - Pairing with Radiator Valve

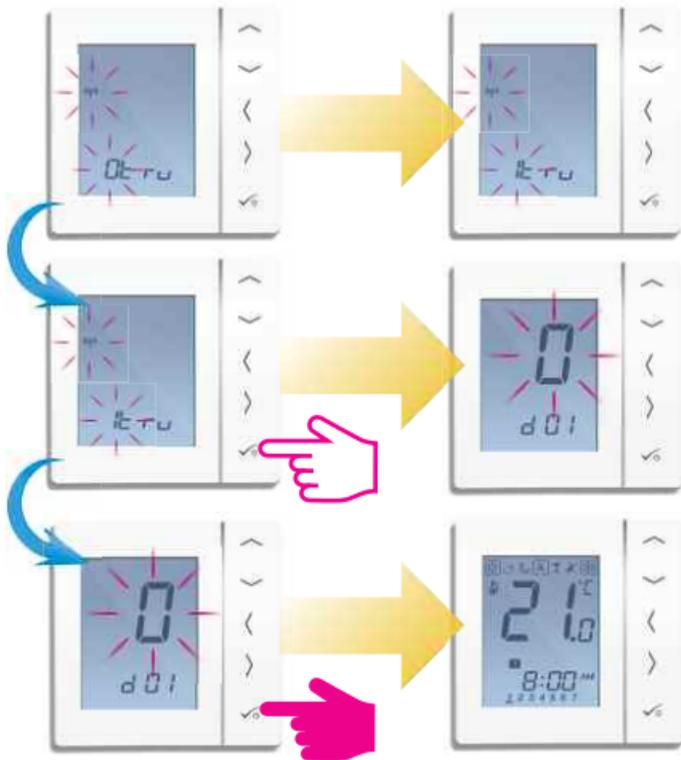


Installation - Pairing with the Radiator Valve

The prefix number on the TRV will change as the TRV(s) pair.

Once all TRV's have paired press 

 Long press to exit to home screen or continue to change device settings. Refer to page 57.



Installation - Testing Wireless Pairing

Use  to increase temperature to 30°C and then press 



You should hear the valve open.

Use  to decrease temperature to 10°C and then press 



You should hear the valve close.



If you are using the optional system receiver configured to RX1 please check that the green light goes on when the temperature is raised and off when reduced.



If pairing for your system is complete, please take the coordinator out of pair mode. Press for 5 seconds and light will stop flashing.



Installation - Pairing with Single Room Receiver



Refer to JGBR Instruction Manual.

JGBR Configured as RX2 single room receiver.

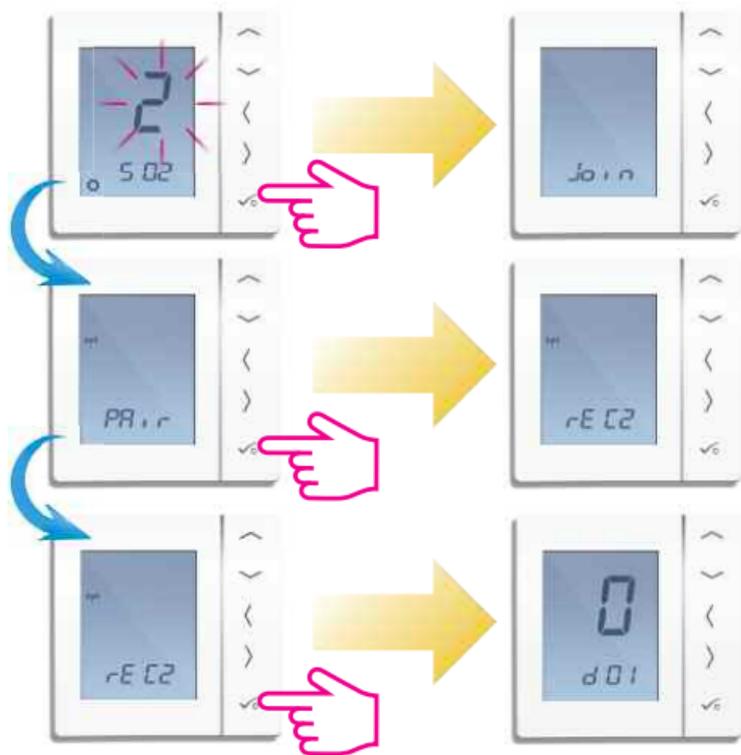


Checklist

- 1 The Coordinator must be in pairing mode.
- 2 The JGBR (set to RX2) is powered up and the red LED is steady. Refer to JGSTATW Instruction Manual.
- 3 If you are using the optional JGBR configured to RX1 for remote boiler switching, ensure this has been powered up and the red flashing LED has gone steady. Refer to JGBR Instruction Manual.



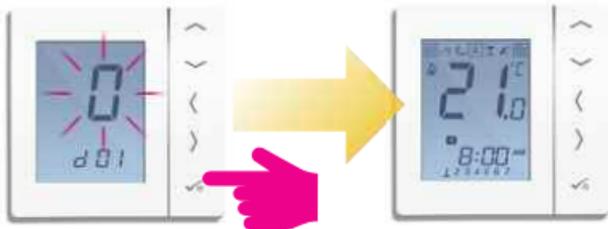
Installation - Pairing with Single Room Receiver



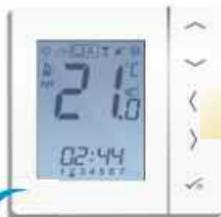
Installation - Testing Pairing with Single Room Receiver



Long press to exit to home screen or continue to change device settings. Refer to page 57.



Use to increase temperature to 30°C and then press



Green LED on

Use to decrease temperature to 10°C and then press



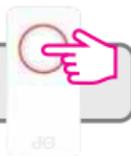
Green LED off



If you are using the optional system receiver configured to RX1 please check that the green light goes on when the temperature is raised and off when reduced.



If pairing for your system is complete, please take the Coordinator out of pair mode. Press for 5 seconds and light will stop flashing.



Installation - Pairing with Boiler Receiver Only

Used if system receiver is installed on its own.



System Receiver configured to boiler receiver RX1. Refer to Boiler Receiver Instruction Manual.

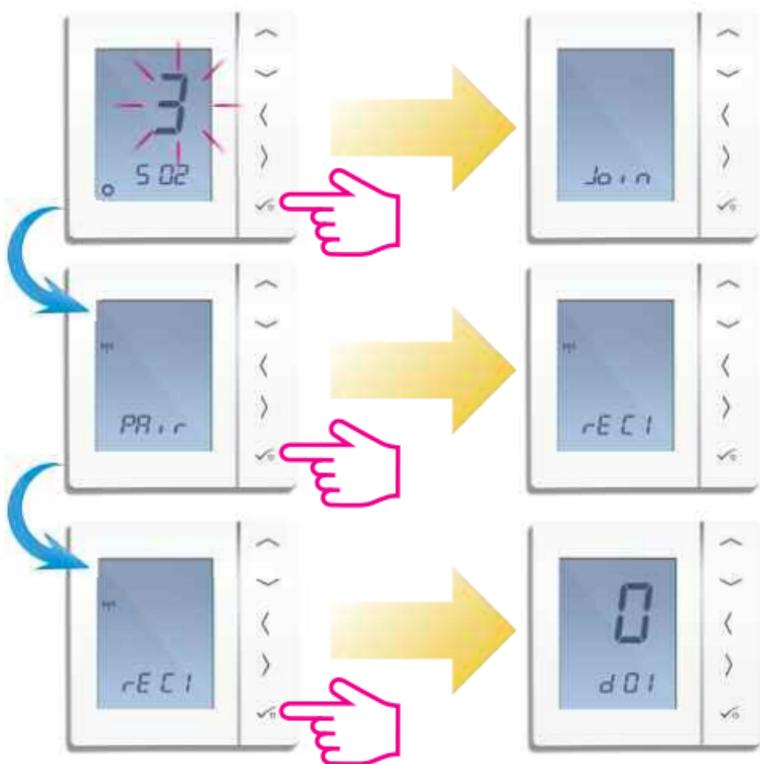
Checklist

- 1 The coordinator must be in pairing mode.
- 2 The system receiver (set to RX1) is powered up and the red LED is steady. The Boiler Receiver will auto join the Zigbee network on power up when the Wireless Coordinator is in Pairing mode.



This configuration option is applicable if there is only a Boiler Receiver RX1 in the system.

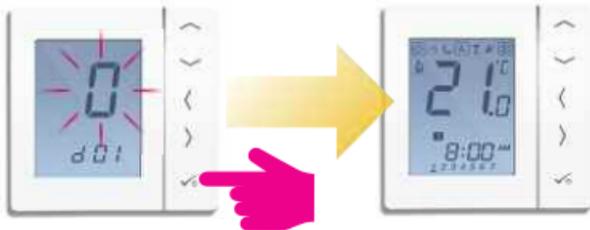
Installation - Pairing with Boiler Receiver Only



Installation - Pairing with Boiler Receiver Only



Long press to exit to home screen or continue to change device settings. Refer to page 57.

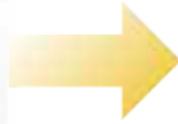


Use  to increase temperature to 30°C and then press 



Green LED on

Use  to decrease temperature to 10°C and then press 



Green LED off

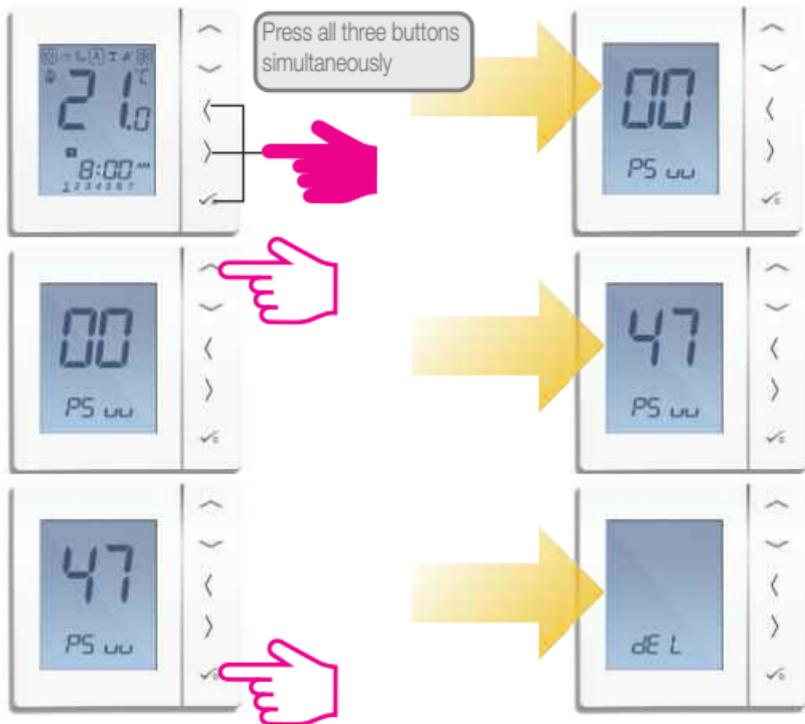


If pairing for your system is complete, please take the coordinator out of pair mode. Press for 5 seconds and light will stop flashing.

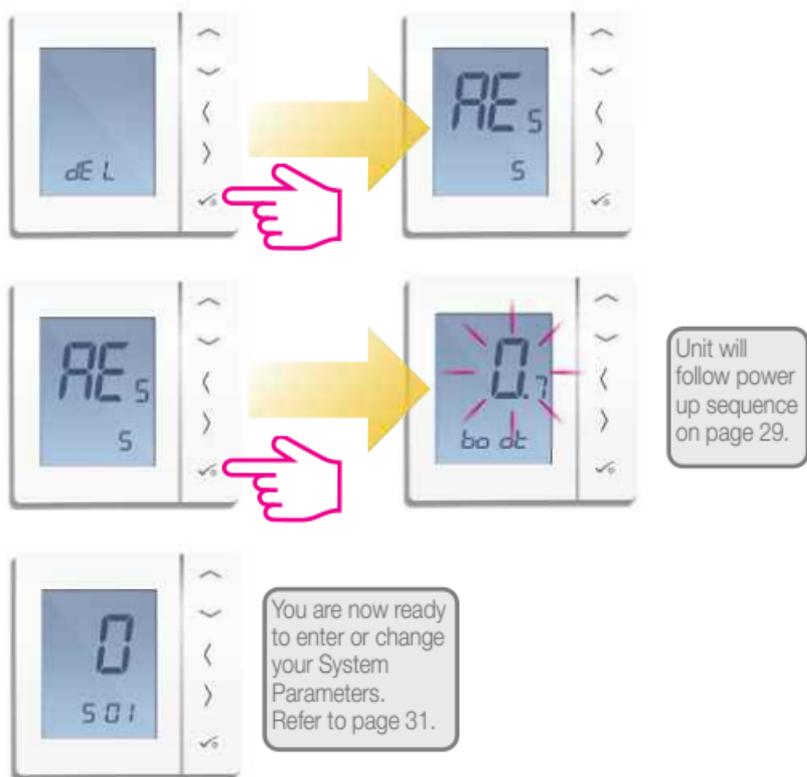


Installation - Modifying System Parameters

If you have made an error or need to change your system parameters please follow steps below. This should only be done by your installer.



Installation - Modifying System Parameters



Installation - Checking System Configuration



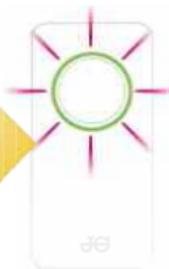
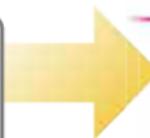
To check that the complete system is communicating and has been configured correctly, you can use identify mode.



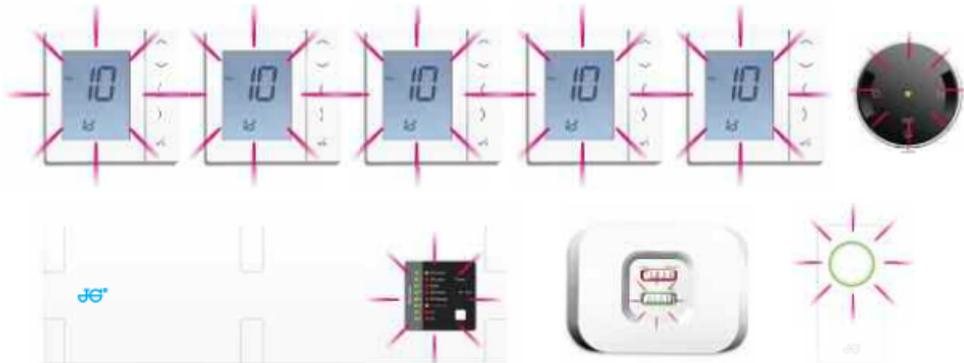
Using identify from the Coordinator will show all products that are connected to your system.



Press for 1 second to activate identify mode.



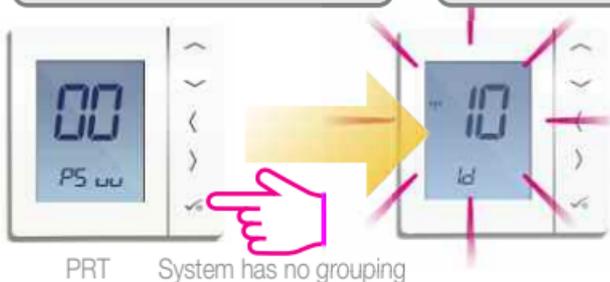
Press again for 1 second to cancel identify. Identify mode will time out after 10 minutes.



Installation - Checking System Configuration

i To check that the relevant system is communicating and has been configured correctly, you can use identify mode.

i Please follow step 1 on page 47. When in identify mode all receivers and the coordinator related to the individual PRT will flash.



i Press tick to cancel identify. Identify mode will time out after 10 minutes.



Installation - Checking System Configuration

i To check that the relevant system is communicating and has been configured correctly, you can use identify mode.

i Please follow step 1 on page 47. When in identify mode all receivers, group thermostats and the Coordinator will flash.

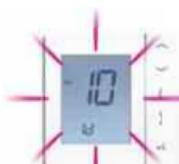


Group Control
Thermostat



System has
grouping

i Press tick to cancel identify. Identify mode will time out after 10 minutes.



Group Control
Thermostat



Group
Thermostat



Group
Thermostat



Group
Thermostat



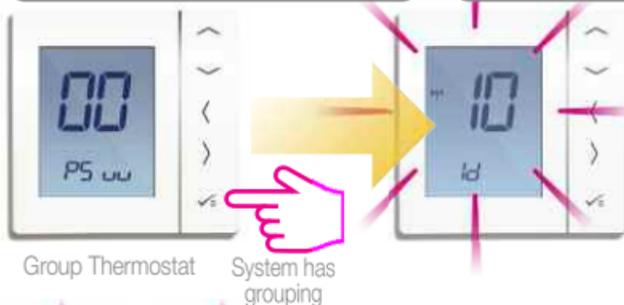
PRT



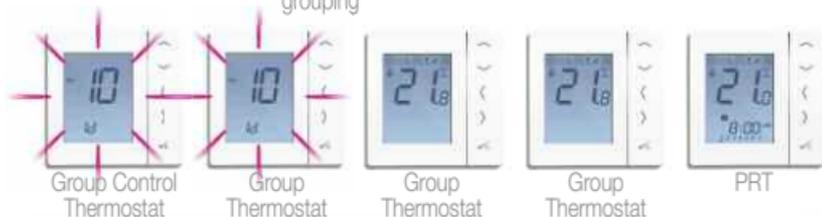
Installation - Checking System Configuration

 To check that the relevant system is communicating and has been configured correctly, you can use identify mode.

 Please follow step 1 on page 47. When in identify mode all receivers, control group thermostat and the coordinator will flash.



 Press tick to cancel identify. Identify mode will time out after 10 minutes.



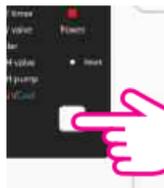
Installation - Checking System Configuration



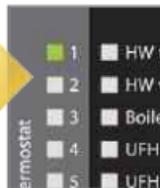
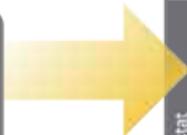
To check that the complete system is communicating and has been configured correctly, you can use identify mode.



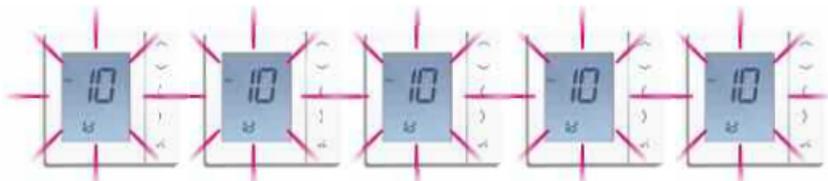
Using identify from the wiring centre will show all products that are connected to your wiring centre. The wiring centre number will also be shown.



Press for 5 second to activate identify mode.



Press again for 1 second to cancel identify. Identify mode will time out after 10 minutes.



Installation - Checking System Configuration

i To check that the relevant system is communicating and has been configured correctly, you can use identify mode.

i Please follow step 1 on page 47. When in identify mode all radiator valves, receivers and the coordinator related to the individual PRT will flash.



PRT

System has no grouping

i Press tick to cancel identify. Identify mode will time out after 10 minutes.



PRT



TRV



TRV



TRV

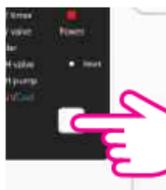


Installation - Replacing Product



Before replacing any device it must be removed from the Zigbee network. Please ensure the Wireless Coordinator is also in pairing mode.

Deleting Wiring Centre from the network.



Press for 15 seconds to delete the wiring centre from the network.



All LED's will flash momentarily and then the wiring centre will be deleted from the network. All thermostats relating to the wiring centre will need to be reconfigured and paired with the new Wiring Centre.



If the wiring centre cannot be deleted as above, use the method below.



Please follow step 1 on page 47. Select password 46.



You are now ready to install your new wiring centre.

Installation - Replacing Product



Before replacing any device it must be removed from the Zigbee network. Please ensure the Wireless Coordinator is also in pairing mode.

Deleting thermostat from the network.



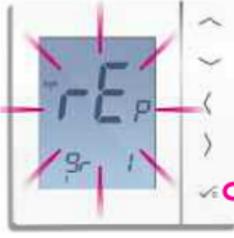
Please follow step 1 on page 47. Select password 48.



Your thermostat will now be deleted from the network. You are now ready to install your new thermostat. Please note password 48 can also be used to delete other devices that are offline.

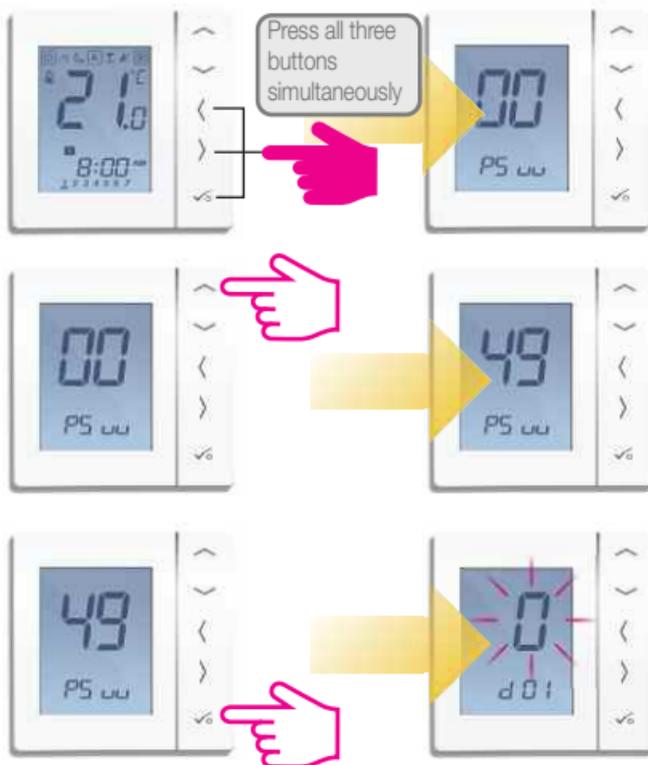


Note: If replacing a thermostat connected to the wiring centre, you can use the replacement method.



The unit previously connected to the wiring centre will be replaced.

Installation - Device Parameters



 Device parameters will follow system parameters on first power up. If you need to change device parameters follow the steps below.

Please note, your system parameters will be shown first but cannot be edited in this section. To change the system parameters please refer to page 47.

Installation - Device Parameters

DX	FUNCTION	SYSTEM SETTING	DEFINITION	DEFAULT
D01	Heating Control	0	Pulse Width Modulation	0
		1	On-Off 0.5°C +/- 0.25°C	
		2	On-Off 1.0°C +/- 0.5°C	
D02	Room Temperature Offset	-3.0 to 3.0°C	Temperature Offset from Measured Temperature to Compensate for any error	0°C
D03	Sensor probe or Cylinder thermostat connection	0	Sensor/Cyl stat not Connected	0
		1	Sensor/Cyl stat Connected	
D04	Sensor probe used as air sensor or floor sensor	0	D03 must be set to 1 then external sensor be used as Air sensor. There will be no internal temp measurement	0
		1	D03 must be set to 1 then external sensor used for floor protection. Internal temp is measured by stat	
D05	Cooling Control	1	On-Off 0.5°C +/- 0.25°C	2
		2	On-Off 1.0°C +/- 0.5°C	
D06	Actuator type	0	NO Normally Open	1
		1	NC Normally Closed	
D07	Valve protection	0	Disable	1
		1	Enable	

Installation - Device Parameters continued

DX	FUNCTION	SYSTEM SETTING	DEFINITION	DEFAULT
D08	Frost Set point Temperature	5°C - 17°C	Required Temperature for frost protection and holiday mode	5°C
D09	Hour Format	0	12	1
		1	24	
D10	N/A	N/A	N/A	N/A
D11	Daylight Saving Time (DST)	0	OFF	1
		1	ON	
D12	Heating Set point Limit	5°C - 35°C	Maximum temp that can be set for heating	35°C
D13	Cooling Set point Limit	5°C - 40°C	Maximum temp that can be set for Cooling	5°C
D14	Floor sensor High Limit Temperature	6°C -45°C	Output relay will be switched off when temp is reached for floor protection	27°C
D15	Floor sensor Low Limit Temperature	6°C - 45°C	Output relay will be switched on when temp is reached for floor protection	10°C
D16	Floor sensor Limit for cooling	6°C -45°C	Output relay will be switched off when temp is reached for floor protection	6°C

Installation - Error Codes

Error Code	Prog	Non-Prog	HW
01	Comm Connection link failure	Comm Connection link failure	Comm Connection link failure
02	Comm Connection link failure	Comm Connection link failure	Comm Connection link failure
03	Floor sensor open	Floor sensor open	-
04	Floor sensor short	Floor sensor short	-
05	Prog/Non-prog/HW thermostat lost link with Coordinator (Displayed on related Thermostat) Comm Connection link failure	Prog/Non-prog/HW thermostat lost link with Coordinator (Displayed on related Thermostat) Comm Connection link failure	HW lost link with Coordinator
06	Prog/Non-prog/HW thermostat lost link with WC (Displayed on related Thermostat)	Prog/Non-prog/HW thermostat lost link with WC (Displayed on related Thermostat)	HW lost link with WC
07	Prog/Non-prog Thermostat lost link with TRV (Displayed on related Thermostat)	Prog/Non-prog Thermostat lost link with TRV (Displayed on related Thermostat)	-
08	Prog/Non-prog Thermostat lost link with Receiver RX 1 (Displayed on related Thermostat)	Prog/Non-prog Thermostat lost link with Receiver RX 1 (Displayed on related Thermostat)	-
09	Prog/Non-prog Thermostat lost link with Receiver RX 2 (Displayed on related Thermostat)	Prog/Non-prog Thermostat lost link with Receiver RX 2 (Displayed on related Thermostat)	-



If there is more than 1 error, then on Error page, press UP to show other error codes.
 e.g. Err 03 05 ==> 3 errors Error code 05 (1st one)
 Press Up to show Err 03 08 ==> 3 errors Error code 08 (2nd one)
 Press Up again to show Err 03 09 ==> 3 errors Error code 09 (3rd one)
 Press Up again to show Err 03 05 again.....
 Press OK to exit Error page back to Home display.



Installation - Error Codes

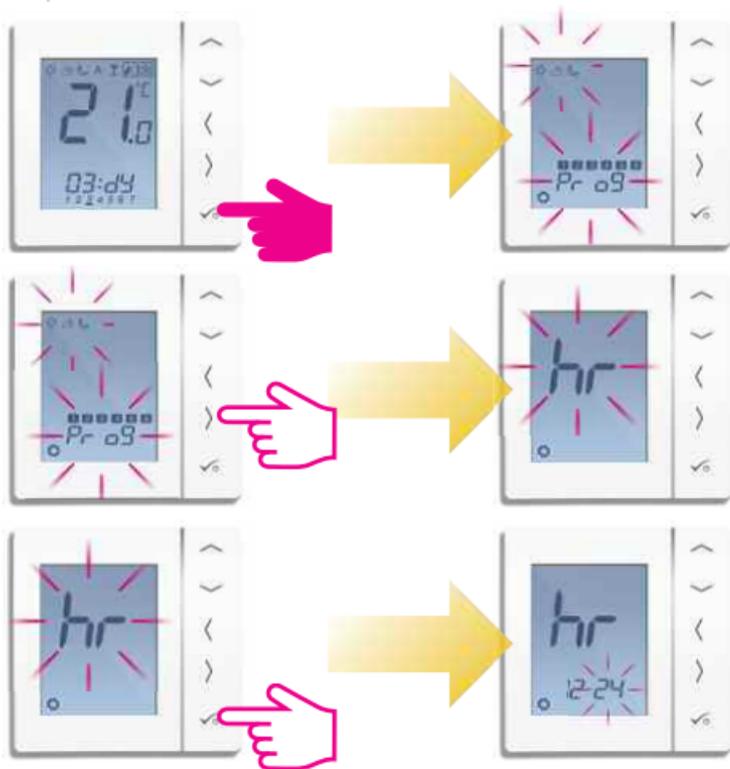
Error Code	Prog	Non-Prog	HW
10	WC lost link with hot water timer (Displayed on all relevant thermostats and also hot water timer)	Comm Connection link failure (Displayed on all relevant thermostats and also hot water timer)	Comm Connection link failure (Displayed on all relevant thermostats and also hot water timer)
11-18	WC lost link with zone 11=Zone 1, 12=Zone 2 etc Displayed on all connected thermostats	Comm Connection link failure 11=Zone 1, 12=Zone 2 etc Displayed on all connected thermostats	-
19	WC lost link with coordinator (Displayed on all connected thermostats and hot water timer)	WC lost link with coordinator (Displayed on all connected thermostats and hot water timer)	WC lost link with coordinator (Displayed on all connected thermostats and hot water timer)
20	WC lost link with receiver RX1 (Displayed on all connected thermostats and hot water timer)	WC lost link with receiver RX1 (Displayed on all connected thermostats and hot water timer)	WC lost link with receiver RX1 (Displayed on all connected thermostats and hot water timer)
21	TRV lost link with coordinator (Displayed on all connected thermostats)	TRV lost link with coordinator (Displayed on all connected thermostats)	-
22	TRV low battery (Displayed on all connected thermostats)	TRV low battery (Displayed on all connected thermostats)	-
23	Invalid TRV	Invalid TRV	-
24	Unit is rejected by wiring centre	Unit is rejected by wiring centre	-

Installation - Technical Detail

Model	JGSTATW1 / JGSTATW2
Type	Wireless Electronic programmable room thermostat (PRT), digital room thermostat and Hot Water Timer
Programming Modes	User selectable for 5/2, ALL and Individual day options
Program Number	1 - 6 Selectable
Modes	Party, Holiday, Program and Frost
Override	Permanent and temporary
Frost Protection	5°C Adjustable
Power Source	230v AC 50Hz JGSTATW2 - 4 x AAA JGSTATW1
Temperature Scale	5°C to 35°C, tolerance 0.5°C
Heat/Cool	Global changeover using communication bus and external input to the wiring centre
Sensor	Air or floor protection. Cylinder thermostat when configured for hot water timer.
Device Parameters	See pages 58 - 59 for full list of functions
Operating Temperature	0 to 50°C
Storage Temperature	-20 to 60°C
Frequency	2.4HGz Zigbee

User Guide - Setting Time and Date

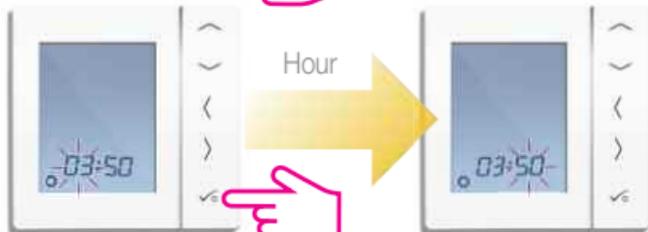
PRT and Group Control Thermostat.



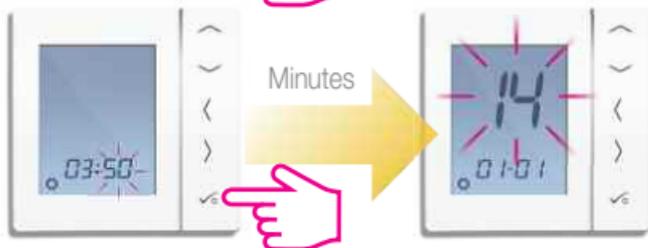
User Guide - Setting time and date

PRT and Group Control Thermostat.

 Use Left to select 12 hour and right to select 24 hour.

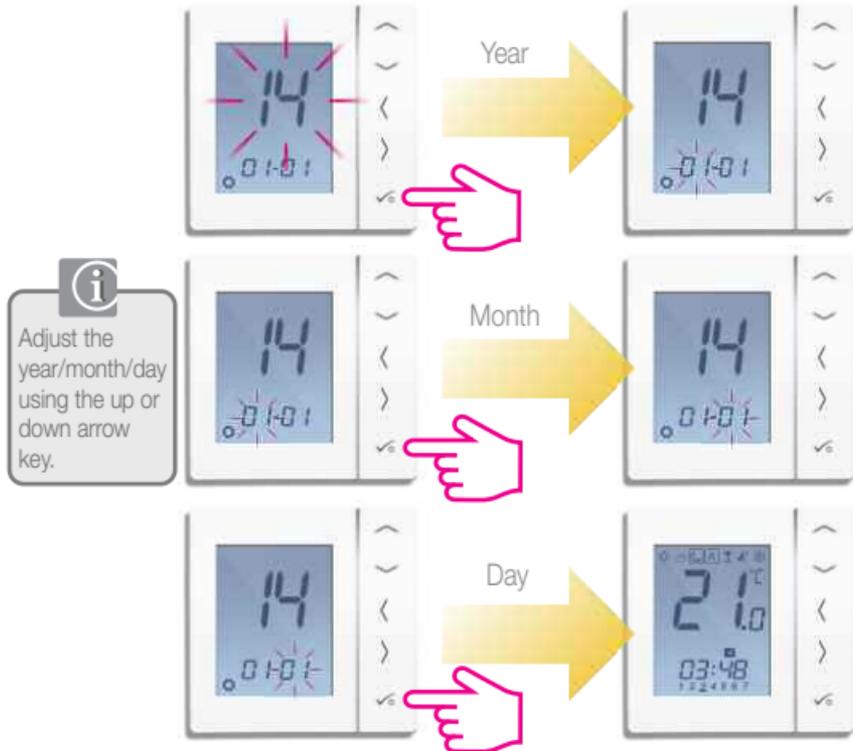


 Adjust the time using the up or down arrow key.



User Guide - Setting time and date

PRT and Group Control Thermostat.



User Guide - Understanding Temperature Levels Heating

PRT, Group Control Thermostat and Group Thermostat



Highest Temperature typically used for early morning and early evening.

Typically 21°C



Mid Temperature typically used for times of day when you are active around the home

Typically 19°C



Lower Temperature typically used for unoccupied or sleep times.

Typically 17°C for UFH or 15°C for radiators



Frost Temperature typically used for Periods of long absence or holidays.

Typically 5°C



Your thermostat comes preset for the above temperatures. These can be adjusted please see page 71

User Guide - Understanding Temperature Levels Cooling

PRT, Group Control Thermostat and Group Thermostat



Cooling is only available if your system supports this and the relevant configurations and connections have been made to the unit.



Occupied temperature typically 22°C.



Unoccupied temperature typically 40°C
This avoids cooling being active when the property is unoccupied.



Evening temperature typically 24°C.

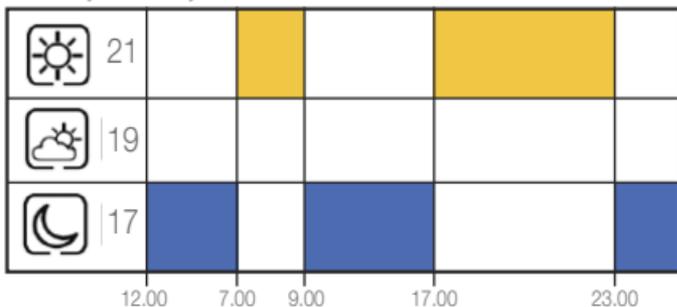


Your thermostat comes preset for the above temperatures. These can be adjusted (please see page 71).

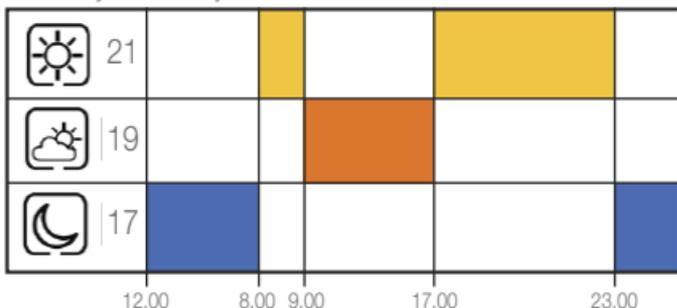
User Guide - Default Heating Schedule

PRT and Group Control Thermostat

Monday to Friday



Saturday to Sunday



If using grouping, the schedule from the Group Control Thermostat will be applied to group members.

User Guide - Graphics Key



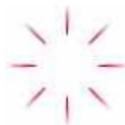
Press once



Press x amount of times



Hold for five seconds



Flashing



Short press to back up <



Short press to save and
long press to save and exit ✓ ⚙

User Guide - Setting Required Temperature Levels

PRT, Group Control Thermostat and Group Thermostat.

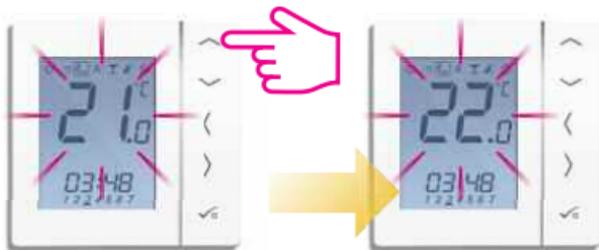
Setting the low temperature.



By setting the low temperature the program schedule will use this as the low setting.



The temperature set are applicable to the individual thermostat.



User Guide - Setting Required Temperature Levels

PRT, Group Control Thermostat and Group Thermostat.

 By setting the low temperature the programs will use this as the low setting.

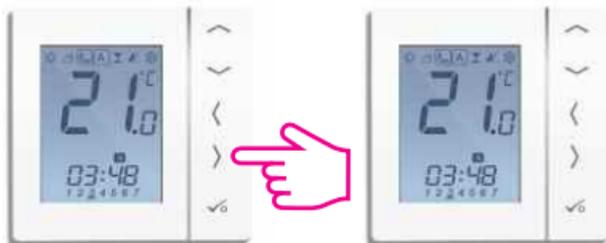


Repeat for



Move back to **A** once temperature levels have been chosen.

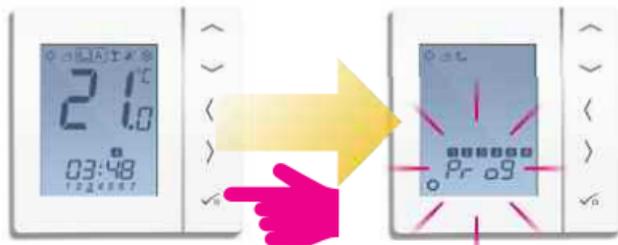
 The temperature set are applicable to the individual thermostat.



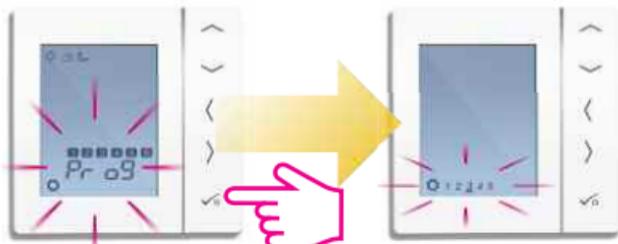
User Guide - Setting the Temperature Schedule



If using grouping, the schedule from the group control thermostat will be applied to group members.



Use right and left to select the day of the programs.



5/2

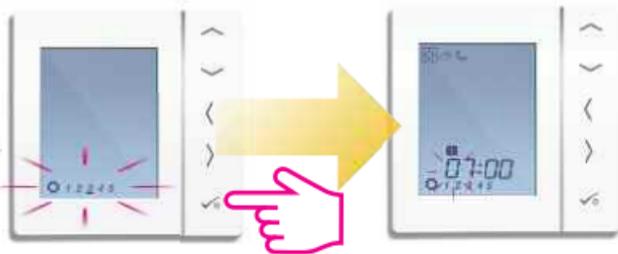
1 2 3 4 5 6 7

7 Days

1 2 3 4 5 6 7

Individual

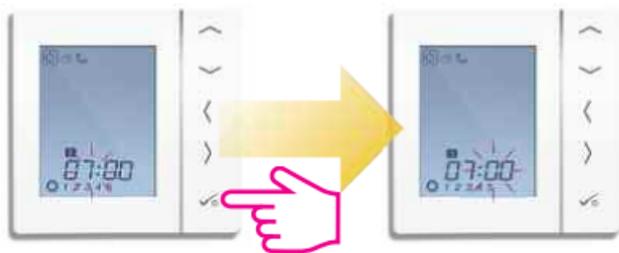
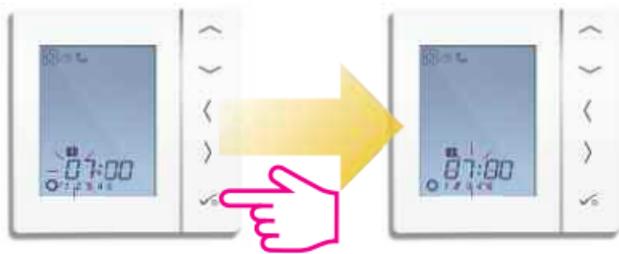
1 2 3 4 5 6 7



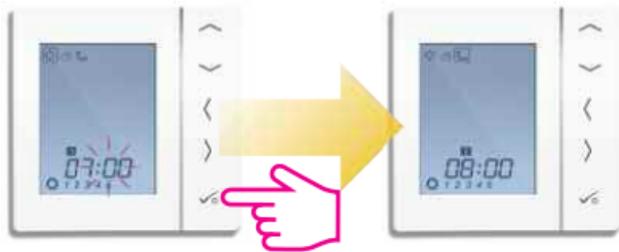
User Guide - Setting the Temperature Schedule



Adjust the time using the up or down arrow key.



Use right and left to select the Hi/Mid or low temp.



User Guide - Setting the Temperature Schedule



Repeat through to program 4.
If you require a 5th or 6th program enter a time and select your temperature.



To remove a program out set the time to --:--.



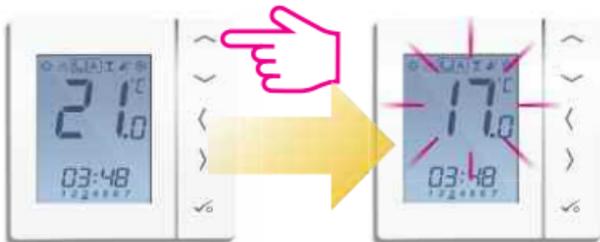
When you set the    temperature the schedule will respond to those temperatures see page 71 on how to change   

User Guide - Temporary Override

PRT, Group Control Thermostat and Group Thermostat.



Use the up or down arrow key to view your program set temperature.



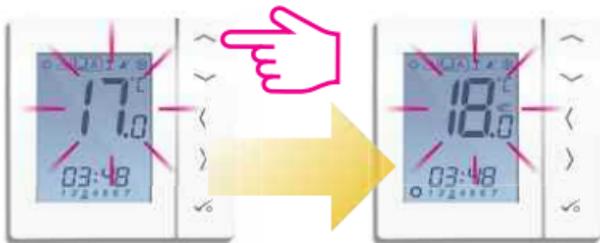
The temporary override is applicable to the thermostat being changed only.



Temporary override allows you to increase the temperature or decrease it to the desired setting until it reverts back on the next program time.



Use the up or down arrow key to adjust the temperature to the setting you desire.



User Guide - Temporary Override

PRT, Group Control Thermostat and Group Thermostat.



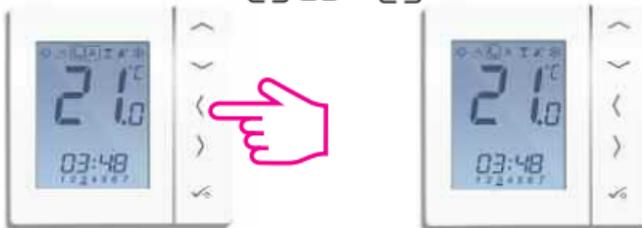
 To cancel temporary override press < or >
See below.



User Guide - Permanent Override

PRT and Group Control Thermostat Setting permanent low temperature.

Move from   to 



Use the up or down arrow key to view your set temperature. See page 71.



Permanent override in a Group Control Thermostat will also affect the Group Thermostats unless they are removed from the group. See page 82.



To cancel permanent override select  See below.

Repeat for



if required



To adjust your permanent override temperature, follow the steps on page 71.

User Guide - Party Mode

PRT and Group Control Thermostat.



The party mode is an option that enables  temperature for a period of time you select up to 9hr 50min.



Party Mode set in a Control Group Thermostat will also affect group thermostats unless they are removed from the group. See page 82.



Use the right arrow to select the party mode.



Use the up arrow to select the hr/min.



Press tick to confirm and it will start to count down.



User Guide - Holiday Mode



Holiday set in a Group Control Thermostat will also affect group thermostats unless they are removed from the group. See page 82.



Use the right arrow to select the holiday mode.



Use the up arrow to select how many days to be off for.



Press tick to confirm and it will start the holiday count down.



User Guide - Frost Protection



Frost protection set in a Group Control Thermostat will also affect group thermostats unless they are removed from the group. See page 82.



Frost protection is not available in Cooling. Moving the to this position in Cooling will switch the thermostat to off.



Use the right arrow to select the frost mode.



Use the up arrow to select the frost protection temperature.



Press tick to confirm the set temperature.



User Guide - Group Thermostat Overview

 When a group thermostat is in **A** and the group control thermostat is in  or  then the group thermostat will follow this mode.  or  will be displayed.



 When a group thermostat is in **A** it will follow the mode status of the group control thermostat.

 The group thermostat has now left the group and is in permanent . To adjust the set temperature, please refer to pages 71 - 72.

 The group thermostat has now left the group and is in permanent . To adjust the set temperature, please refer to pages 71 - 72.

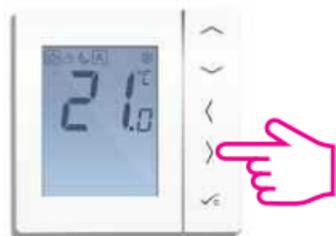
User Guide - Group Thermostat Overview



 The group thermostat has now left the group and is in permanent . To adjust the set temperature, please refer to page 71 - 72.



 The group thermostat has now left the group and is in permanent . To adjust the set temperature, please refer to page 71 - 72.



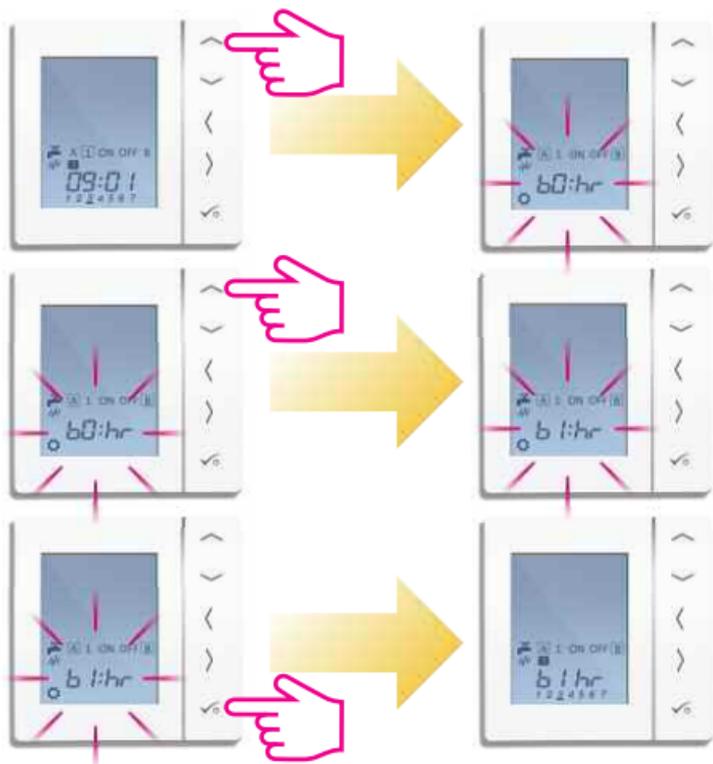
 The group thermostat has been returned to **A** it will follow the mode status of the group control thermostat.

User Guide - Hot Water (Optional) Mode Selection

Mode selection.

	Hot water will be on once per day.		 When A is selected, the hot water timer will follow the program schedule. See page 86.
	Hot water will be continuously on.		
	Hot water will be continuously off.		 Hot water will follow Holiday mode from the Group Control Thermostat.  will be displayed.

User Guide - Hot Water Boost

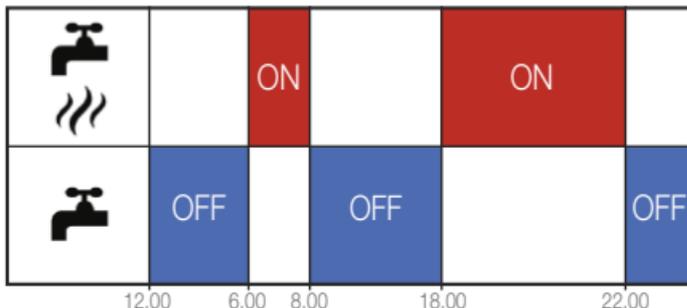


User Guide - Default Hot Water Schedule

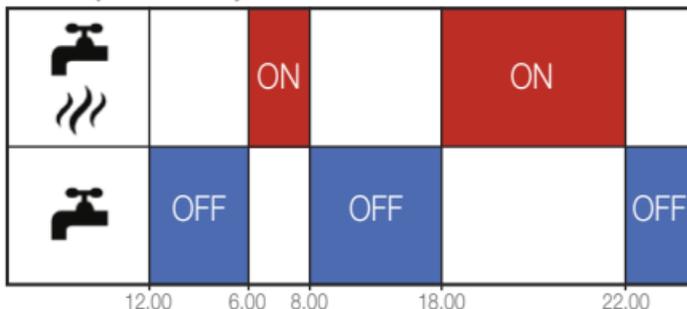


Your hot water timer comes preset with the times below. These can be adjusted. See next page.

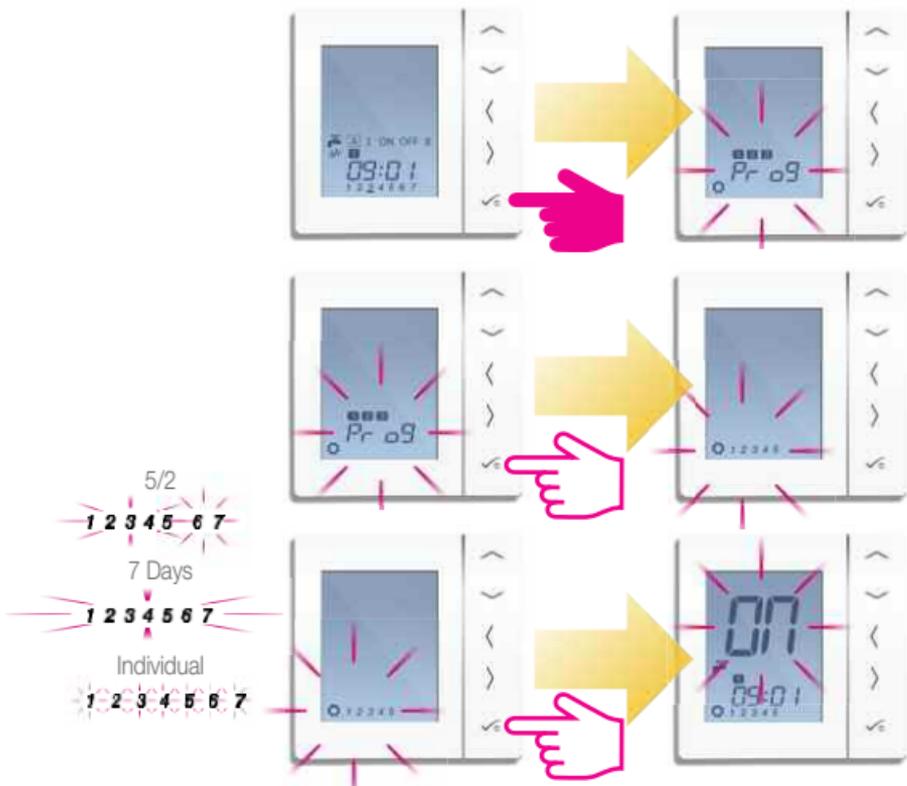
Monday to Friday



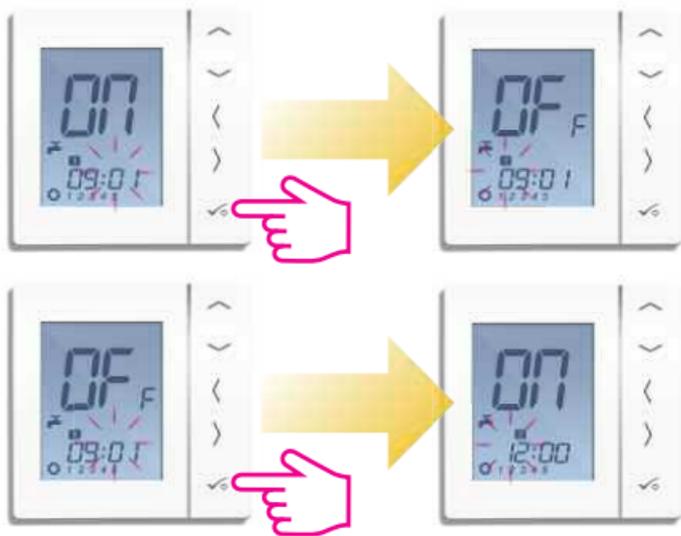
Saturday and Sunday



User Guide - Setting Hot Water Times

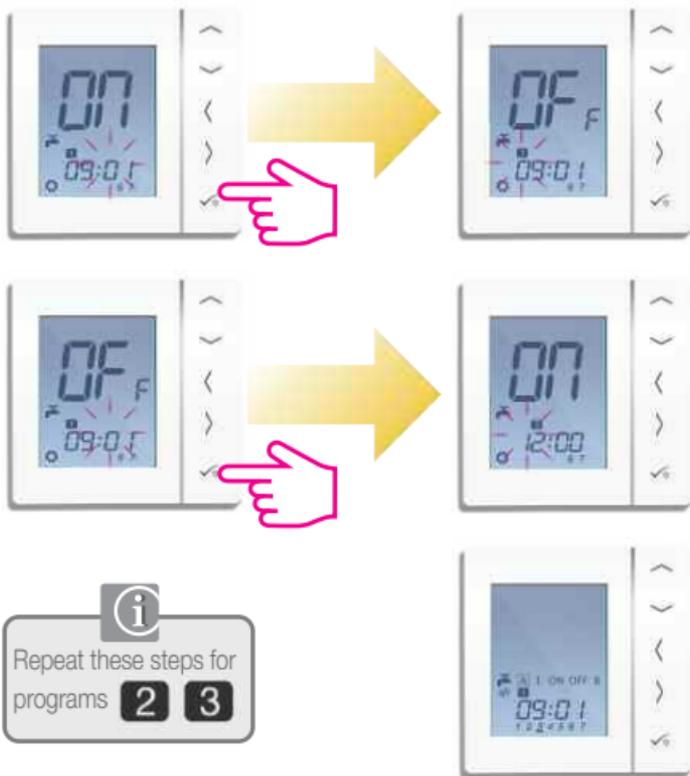


User Guide - Setting Hot Water Times



Repeat these steps for
programs **2** **3**

User Guide - Setting Hot Water Times



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