



Speedfit[®]
UNDERFLOOR


aura
underfloor heating controls

JG Speedfit®
UNDERFLOOR

aura
underfloor heating controls



Contents

John Guest	p 03/04
Introduction	p 05
JG Aura 4 in 1	p 07
Features of 4 in 1	p 09/10
JG Aura App	p 13/14
Wireless System	p 15/16
Wireless TRV	p 19/20
230v System	p 23/24
Overview	p 25
JG Speedfit Underfloor	p 27
FAQs	p 30



NOT JUST A BRAND, IT'S THE STANDARD

For more than 50 years the John Guest Group of Companies has been manufacturing push-fit fittings, pipe and plastic plumbing systems to a wide variety of industries and applications such as Drinks Dispense, Plumbing, Pneumatics, Compressed Air Systems, Water Purification, Drinks Vending, Automotive and Telecommunications.

Headquartered in West Drayton in the UK, the company has a global presence with offices in Europe, Asia, North America as well as Australia and New Zealand.

Recognised as the standard bearer for push-fit product quality and innovation, this is highlighted by attaining the Queen's award for innovation and export 4 times.

When a John Guest product is used, customer satisfaction can be assured due to the continuing emphasis that John Guest places on engineering excellence which delivers originality, efficient manufacturing models, and a world class reputation for product quality.





...the next innovation on our journey

aura
underfloor heating controls



• Introduction

JG Aura is the new heating control concept from JG Speedfit, which allows for a more flexible and efficient remote regulation of your underfloor and central heating system as well as individual radiator control.

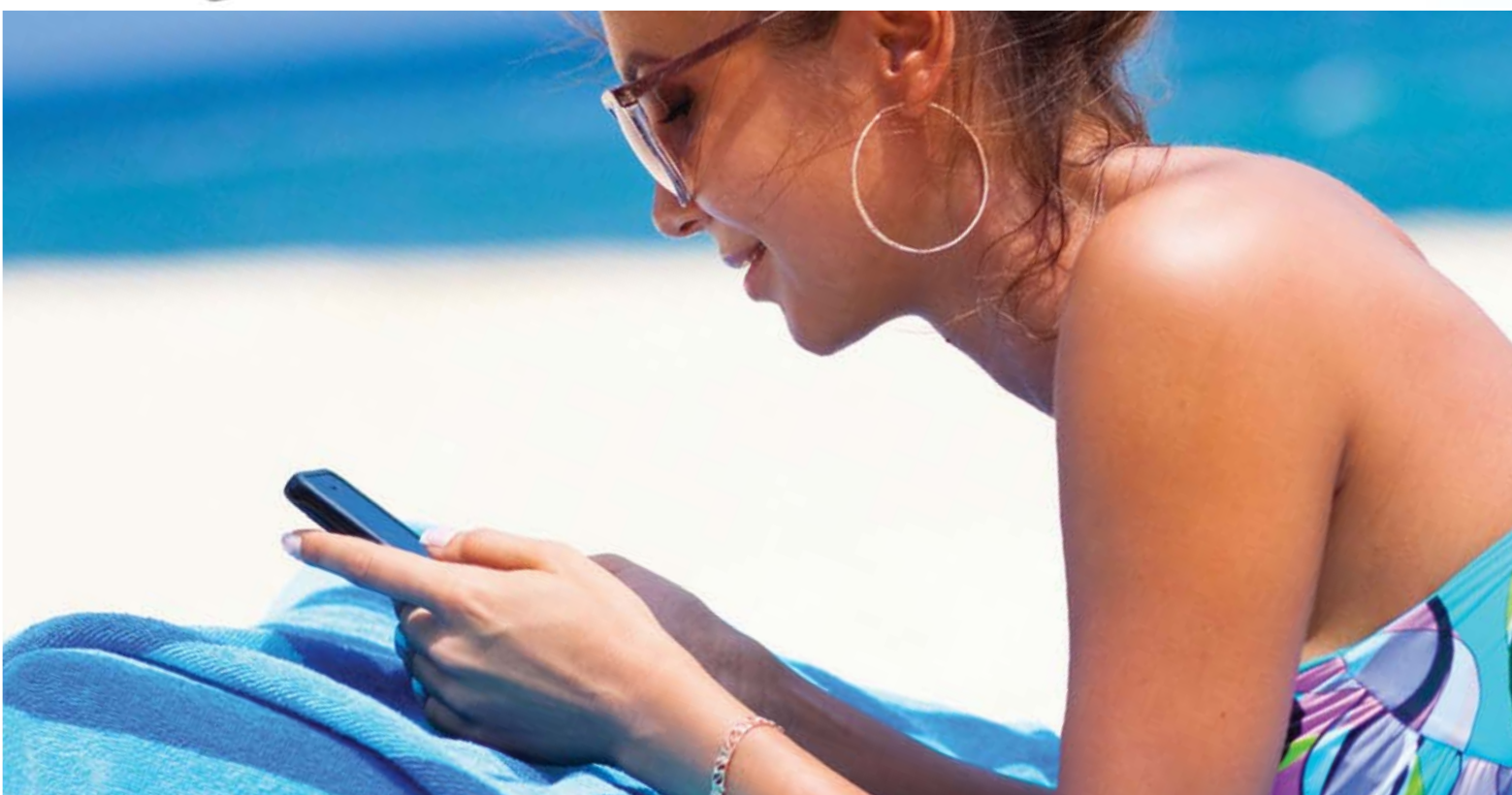
The JG Aura system provides you with the capability of controlling multiple zones. This enables the home owner to set heating time and temperature within each individual room resulting in considerable energy savings.

The JG Aura thermostat range consists of 230v mains powered controls including a wireless range that can be controlled by your smart phone, tablet and computer via the JG Aura App.

For greater convenience, be it a new build or retrofit project, thermostats can be battery powered or if preferable wireless thermostats can be mains power supplied.

The new JG Aura controls present beautiful styling, touch sensitive control whilst incorporating high level functionality ultimately defined by the unique and pioneering 4 in 1 JG Aura thermostat.





• JG Aura 4 in 1

At the heart of the range is the unique JG Aura thermostat that can operate in 4 easily configured modes:

 Programmable Room Thermostat

 Group Control Thermostat

 Group Thermostat

 Hot Water Timer

JG Aura thermostats can be used as an Individual Programmable Room Thermostat or combined into groups allowing convenient group control of many functions from one central place.

This enables JG Aura to control your underfloor heating, hot water and individual radiators with ultimate ease as all are combined effortlessly.





The Most Versatile Thermostat
Available in Black or White

• Features of 4 in 1



Programmable Room Thermostat - Time and temperature can be individually controlled for each room/zone.



Group Control Thermostat - Control a mixture of digital and dial (230v) thermostats, up to a maximum of 8 and an additional Hot Water Timer.



Group Thermostat - Part of a group of thermostats controlled by the Group Control Thermostat.



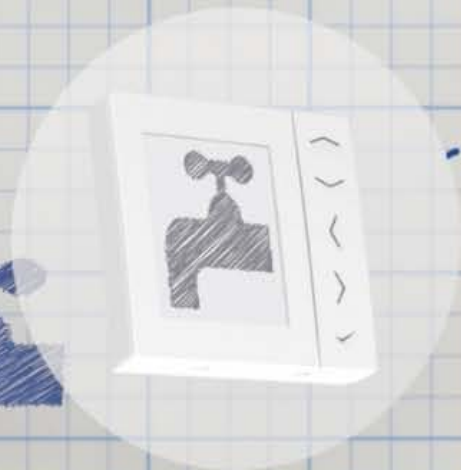
Hot Water Timer - Controls the timing of the hot water supply in the house. The cylinder thermostat can be conveniently connected either to the wiring centre or directly to the hot water thermostat. This unique feature gives the installer a choice that has never existed up until now.

When a thermostat is configured to be part of a group, the temperature of the **Group Thermostat** within a room can be altered by the user but the switching times, such as Party, Holiday and Frost modes are conveniently controlled from the **Group Control Thermostat**.

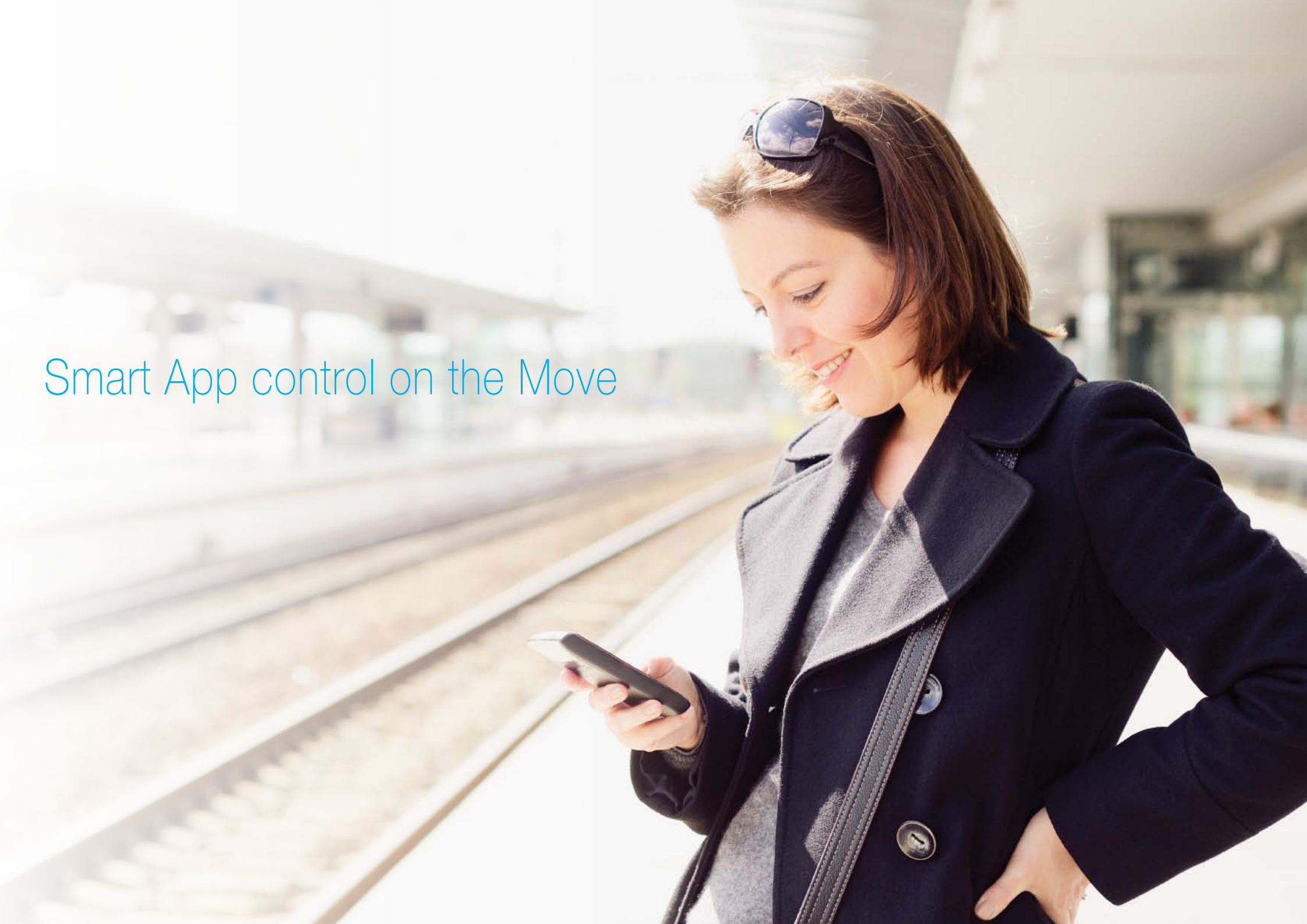
However the **Group Thermostats** can leave or re-enter the group at just the press of a button.

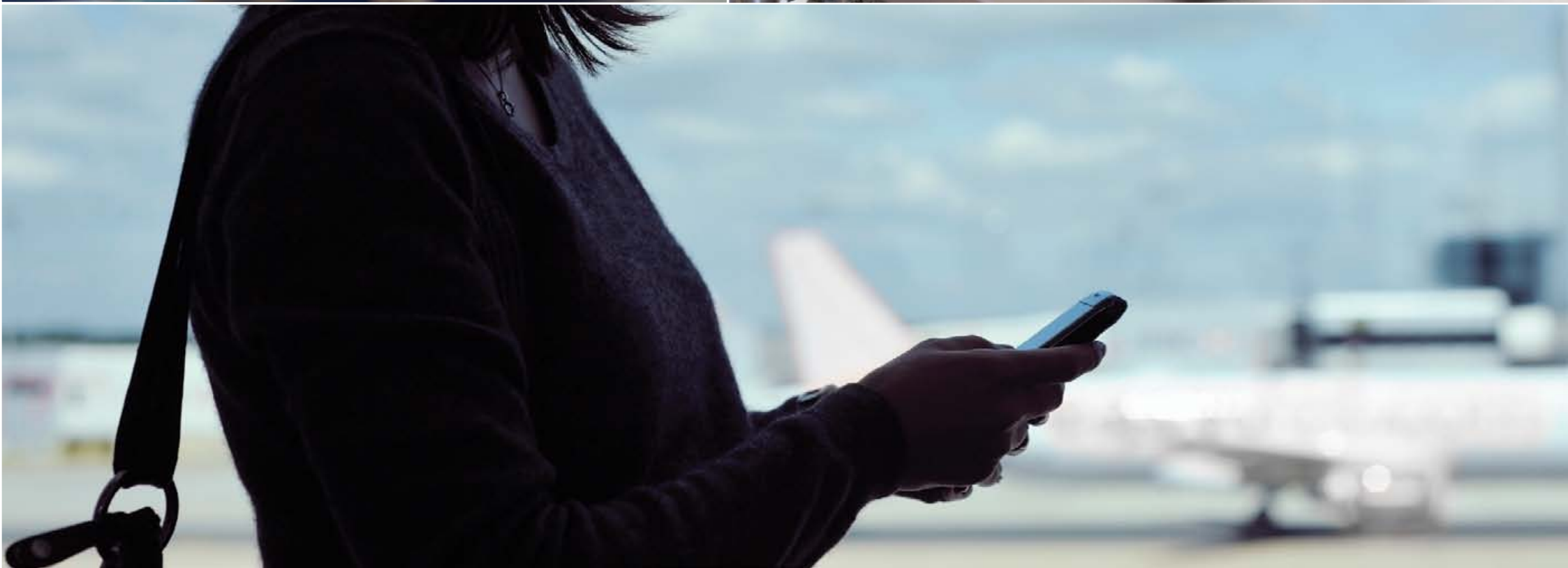
The simplicity of
JG Aura lies within
its versatility

Heart of the System



Smart App control on the Move





• JG Aura App

Ultimate control at your fingertips.

For use with the JG Aura Wireless Range



The JG Aura App gives you the freedom to control your underfloor heating and hot water no matter where you are via smart phone, tablet or desktop computer.

The easy to use interface and intuitive nature of the JG Aura App, makes control of your heating system completely accessible from anywhere and at any time that suits you.

Don't worry if you have forgotten to turn off the heating when you leave for holiday as you can simply switch to Holiday Mode whilst in the departure lounge or on a sunbed.



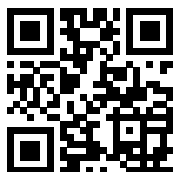
Download the free App

The JG Aura App is compatible with iOS, Android and Windows phones.



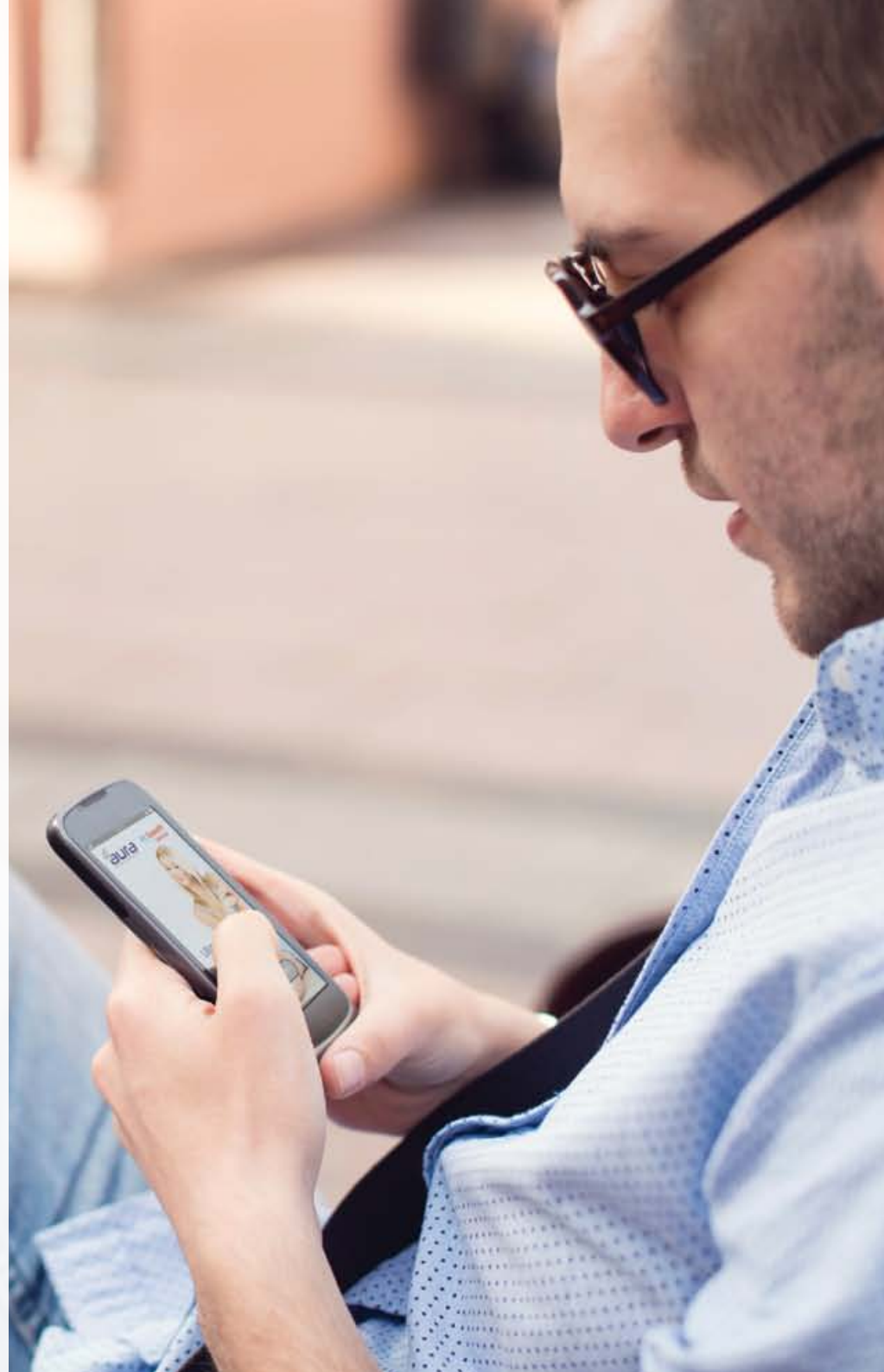
View our JG Aura Video

Please scan QR code to view on Youtube or visit
www.youtube.com/johnguestspeedfit



Disclaimer

Customers that choose to operate their heating remotely using JG Aura Range technology via their personal computer, tablet or smart phone device(s) will be entering into a contract with Salus Controls plc ("Salus"), which is a third party supplier of the software. John Guest Ltd and affiliates within the John Guest group of companies from time to time (the "John Guest Group") make no representations or warranties of any kind about the reliability or suitability of the software or applications provided by Salus. The John Guest Group disclaims liability (excluding liability for death and personal injury resulting from negligence) for any loss or damage caused by the software provided to customers by Salus. Any agreement entered into with Salus is therefore strictly at your own risk.



• Wireless System







JG Aura wireless thermostat with internet ready control

The unique JG Aura 4 in 1 wireless thermostat is designed to present wireless control of your underfloor heating system including unique wireless boiler communication when installing the JG Aura Boiler Receiver.

The JG Aura Wireless Thermostat is designed to work with the JG Aura App when incorporating the internet hub, presenting you ultimate control of time and temperature for your underfloor heating and hot water wherever you are in the world.

The stylish slim line thermostats offer touch sensitive control at your fingertips. Uniquely, the installer is presented with two options of powering the thermostat, using either batteries or simply mains powered.

The settings you find on our easy to understand interface:

- | | |
|---|--|
|  Sunny: high temperature control |  Party: a preset you can control when entertaining |
|  Cloudy: middle comfortable temperature |  Holiday mode: Frost protection for holiday duration |
|  Moon: low comfortable temperature |  Frost setting: Permanent frost protection |



The heart of the JG Aura range

One thermostat can operate in 4 modes.



- 5 year guarantee
- Smart App control at your fingertips
- Stunning slimline design
- Stylish touch sensitive control
- Intuitive interface
- Wireless communication powered by batteries or mains



Wireless System



Mains Powered



Battery Powered

The JG Aura 4 in 1 Thermostat

gives combined control of UFH, individual radiators as well as wireless boiler switching allowing simple installation of multi zone energy saving systems in new or retrofit projects. Each thermostat can operate as a Programmable Room Thermostat, Group Control Thermostat, Group Thermostat, & Hot Water Timer

Battery powered thermostats give you the flexibility of a wire free installation whereas mains powered thermostats remove the need to replace batteries and enhance the wireless signal. You are able to mix and match both wired and battery powered thermostats in the same network.

*Available in Black or White



The Wireless Wiring Centre

has been designed to be a complete wiring solution for UFH, Radiators and Hot Water control. Accommodates up to 8 thermostats and a Wireless Hot Water Timer for cable free installations.



The Wireless Coordinator

is essential to the successful communication of a wireless system and facilitates an automated pairing of the JG Aura products. The coordinator simply connects into the mains power plug provided.



The USB cable is utilised to power the hub via the wireless coordinator mains power plug.



The Hub, when choosing a wireless internet enabled system or alternatively upgrading an existing wireless system a JG Aura Hub is required to connect your home internet router. Installing the Aura hub is a simple plug and play procedure utilising the cables supplied. The hub can control up to ten thermostats to include hot water (if you require more than 10 thermostats please see [licence](#)). The hub can connect to your home router via ethernet cable or communicate wirelessly. In addition to the JG Aura Hub it is essential that the JG Aura Coordinator should be removed from the power supply plug and installed into hub.

The Wireless Boiler Receiver

communicates with the wireless thermostats via the wireless wiring centre. Installation is simplified as no wiring is required.



COMING SOON

The Wireless TRV is used in conjunction with the Wireless Thermostat and Boiler Receiver. This unique product can be combined with UFH to achieve UFH and Radiator control.



The Probe & Sensor are used to control temperature where moisture would be a problem i.e. in wet room or bathroom. It can also control floor temperature where overheating would cause damage.



Licence The JG Aura Hub can accommodate up to 10 internet enabled thermostats. If a project requires more thermostats the hub's capacity can be expanded upon by purchasing the JG Aura Licence which presents an additional capacity to control 10 more thermostats (max capacity 30).

• Wireless TRV

COMING SOON

Wireless Radiator Control

A simple energy saving solution for new build and retro fit projects.

The JG Aura Wireless TRV simply replaces the manual standard radiator valve head and in doing so, opens up new possibilities for energy saving.

Combining the TRV with JG Aura Wireless Thermostats, users can turn individual radiators on or off as well as remotely controlling your boiler at the same time. This allows for potentially significant energy savings as you only heat rooms that are in use and do not waste energy in unoccupied rooms.

Would you have one light switch to turn on all the lights in your house?

The JG Aura Wireless TRV can be combined with underfloor heating systems and is very simple to install. Every installation will require a JG Aura Wireless Controlling Thermostat, JG Aura Boiler Receiver and a JG Aura Coordinator.

The Wireless TRV system can be internet enabled by installing a JG Aura Hub.

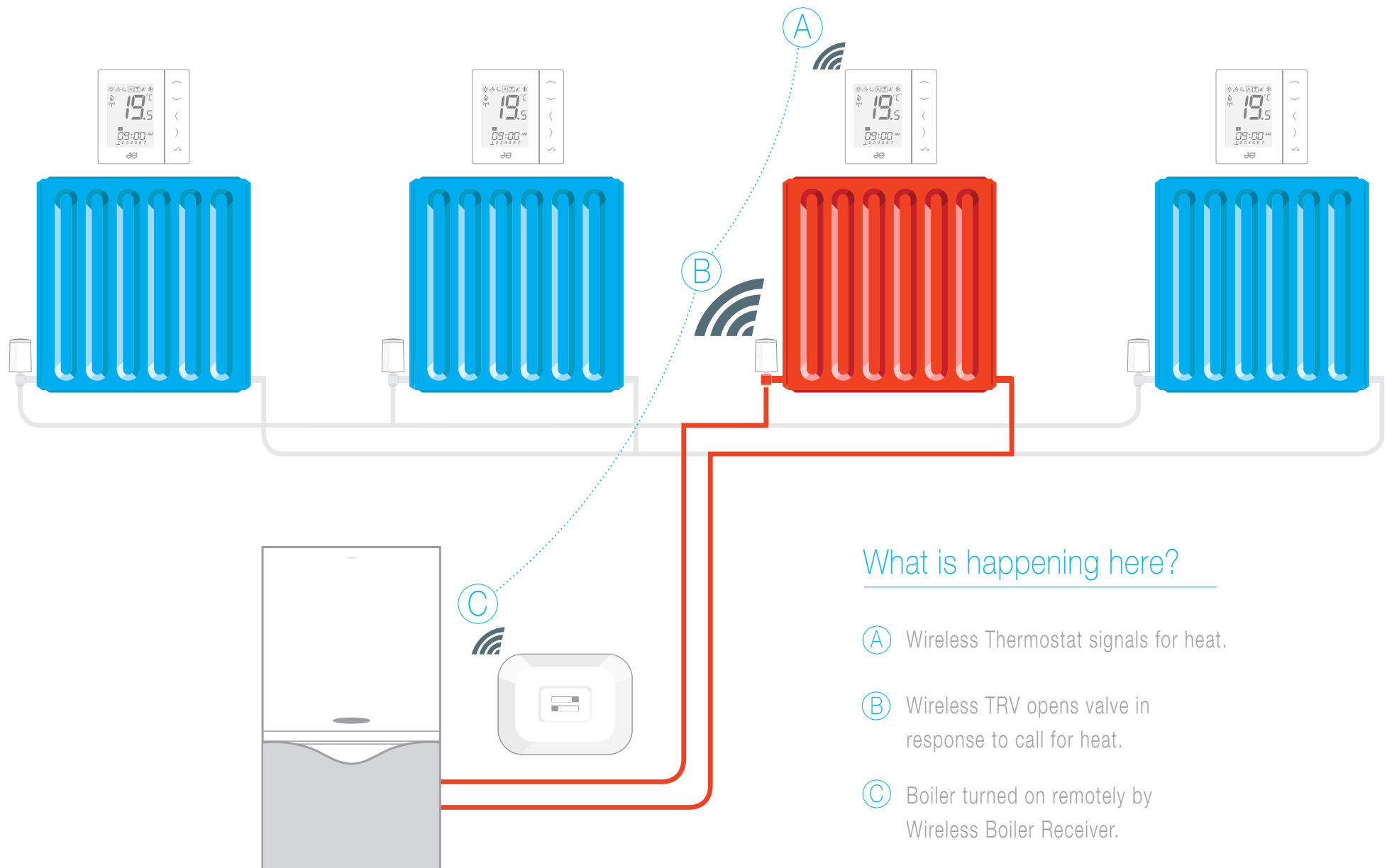


Room 1: Study

Room 2: Dining Room

Room 3: Bedroom

Room 4: Living Room



What is happening here?

- (A) Wireless Thermostat signals for heat.
- (B) Wireless TRV opens valve in response to call for heat.
- (C) Boiler turned on remotely by Wireless Boiler Receiver.





Your home heating only
a touch away

• 230v System

At the heart of the JG Aura 230v range is once again our unique 4 in 1 JG Aura thermostat, providing combined control of UFH and radiators allowing simple installation of multi zone energy saving systems in new or retrofit projects. The thermostat can operate as a [Programmable Room Thermostat](#), [Group Control Thermostat](#), [Group Thermostat](#) and a [Hot Water Timer](#).

To enable the Group Control functionality it is essential that a 0.5mm 2 core data cable is utilised within the wiring process. The Group Control Thermostat can control a variation of both digital thermostats and dial thermostats from one central location. The optional data cable will not be required if the thermostats are to be used as individual Programmable Room Thermostats.

The Group Control Thermostat can control up to eight thermostats plus a hot water timer.





Available in Black or White

The 4 in 1 Thermostat gives combined control of UFH, individual radiators allowing simple installation of multi zone energy saving systems in new or retrofit projects. Each thermostat can operate as a Programmable Room Thermostat, Group Control Thermostat, Group Thermostat and a Hot Water Timer.

To enable the Group Control functionality, installation of the 0.5mm 2 core data cable is needed.



The Dial Thermostat can be set to 3 temperature variations (automatic, manual and frost) which can be selected using the slide switch located on thermostat. Dial thermostats can be part of a group or operate on their own, although they can leave or rejoin the group at the flick of a switch.

2 multi coloured LEDs give clear indication which mode the thermostat is working in.



The Wired Wiring Centre has been designed to be a complete wiring solution for UFH, Radiators and Hot Water control. Accommodates up to 8 thermostats and a Hot Water Timer.



The Probe & Sensor are used to control temperature where moisture would be a problem, i.e. in wet room or bathroom. Can also control floor temperature where overheating would cause damage.

• Overview

Why Choose JG Aura.

- Smart App control at your fingertips
- Unique '4 in 1' thermostats
- Slimline design, touch sensitive control
- Energy saving
- 5 year guarantee

Innovation and forward thinking has always been fundamental to our research and development philosophy, making JG Speedfit the leading brand you know today. In line with our commitment to the continuous improvement of our product ranges we decided to optimise the way people control their underfloor heating and domestic central heating, which triggered the creation of our latest product group JG Aura.

Projects of all sizes and types can be catered for. Not only is the installation a simple process but the needs of the homeowner has been the key driving force in the system's development.

Never before has this level of control been placed in the hands of the homeowner, giving huge potential for saving on heating bills.







UNDERFLOOR

Whilst we do not offer an installation service, our technical support engineers have national coverage and can provide assistance and training both over the telephone and on-site if required. We also offer a dedicated Technical Helpline which is manned by experienced engineers who can help with all aspects of your UFH project.

In addition to the above, we have a team of over 35 sales representatives who will be able to help you manage your project from initial enquiry through to design and after sales support.

You can be assured that whatever the size or type of project you have, we have the experience and expertise to ensure you get the best out of your Speedfit Underfloor Heating System.

For further information visit www.speedfitUFH.co.uk and find out more about:

[Free Underfloor Heating Estimate](#)
[Onsite Installation Advice](#)
[Technical Helpline](#)
and a [Free CAD Design Service](#)

Technical Help Desk: [01895 425333](tel:01895425333) 8am to 5pm Monday to Friday.



Control JG Aura from anywhere in the world... even your sofa.



• FAQ's

1. **Can I achieve energy saving?** Yes: because having independent control of the Time & Temperature of individual rooms, the user can decide what rooms will be heated and to what temperature. As well as this, each room has control of the boiler switching so energy savings of over 30% are a realistic possibility.

2. **Where is the app available from?** The app will be available to download for Apple, Android and Windows based phones, tablets and PCs. Links will be provided for the relevant app store locations.

3. **How can I change room temperature if I can't find my phone/tablet?** Phones and Tablets can be used for convenience but all thermostats have full manual control as standard.

4. **What happens if I lose my internet connection?** The internet is used only for convenience. The system will still retain full manual control of all these functions until the internet connection returns.

5. **Why use internet connectivity?** All the normal local control and functionality remain but with the ability to control the system remotely brings increased flexibility in our modern hectic lifestyles. Some users may also find system set up and some group functions more convenient to access from a tablet, phone or PC.

6. **How can I connect to the internet?** Simply purchase the JG Aura wireless thermostats, JG Aura coordinator and JG Aura hub.

7. **How does a thermostat master controller work?** The Group Control Thermostat can control up to 8 thermostats plus a hot water timer in a designated group. This also allows the user to centrally control Holiday, Frost, and Party functions as well. Any group member thermostat can leave or re-enter a group at the press of a button.

8. **Why create thermostat groups?** When a large number of thermostats are fitted into a property it may be inconvenient to programme every thermostat for temperature levels and the time the thermostat switches between these different temperature levels. The same goes for programming Holidays and Party mode etc.

9. **How many stats will a wiring centre control?** A JG Aura wiring centre can control up to 8 thermostats plus a hot water timer.

10. **How can I add group functionality to the 230v range?** In addition to the power, simply install a 0.5mm low voltage data cable at the first fix stage.

Our Technical support number is: 01895 425333.