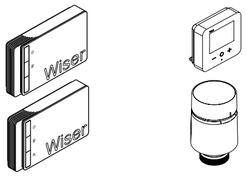
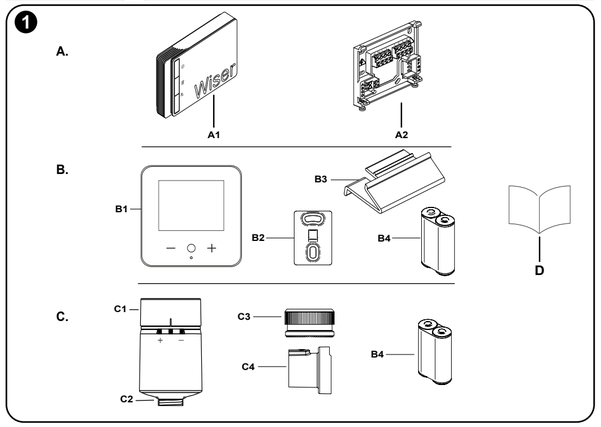
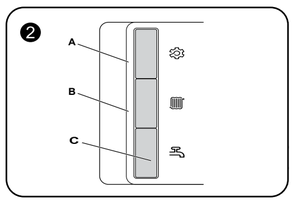


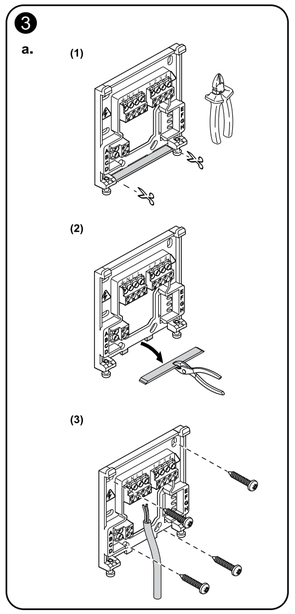
Wiser Multi-Zone Kit 1 2nd Generation
Wiser Multi-zone Kit 2 2nd Generation

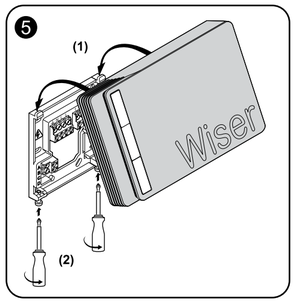
Wiser Thermostat Kit 1 2nd Generation
Wiser Thermostat Kit 2 2nd Generation
Wiser Thermostat Kit 3 2nd Generation

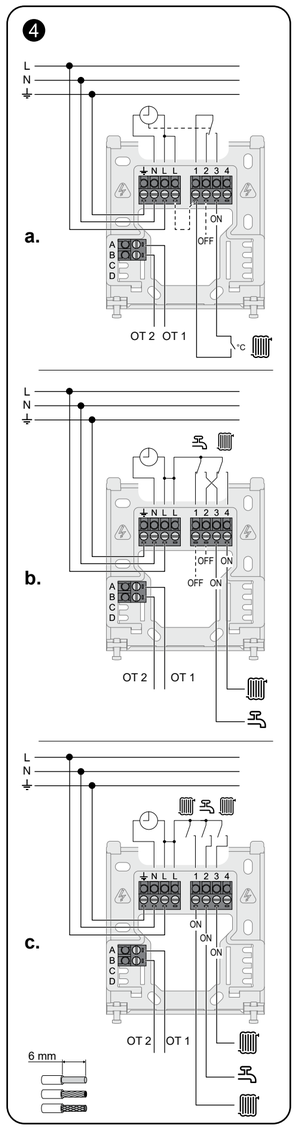
Wiser











Drayton

by Schneider Electric

Wiser Thermostat & Multi-Zone Kits

About these Kits

Build a room-by-room smart heating control system, with options to suit practically any existing heating systems using either a Smart Thermostat Kit for basic smart heating control or go multi-room for even better control across your home. The Wiser HubR 2nd Generation is the central control unit of the Wiser Home system. It monitors and controls the devices of your home via the Wiser Home app. The HubR can directly control a heating system and turn on a boiler.

- **Smart Thermostat Kit 1**
  Suitable for combi boilers, with a 1 channel HubR 2nd Generation to take smarter control of your heating, with a Room Thermostat, anywhere and any-time.
- **Smart Thermostat Kit 2**
  Suitable for conventional boilers with separate hot water control, which includes a 2 channel HubR 2nd Generation and a Room Thermostat.
- **Smart Thermostat Kit 3**
  Suitable for systems with two heating zones, using a 3 channel HubR 2nd Generation and 2 x Room Thermostats.
- **Smart Multi-room Kit 1**
  Suitable for combi boilers, using a 1 channel HubR 2nd Generation, a Room Thermostat and 2 Smart Radiator Thermostats 2nd Generation.
- **Smart Multi-room Kit 2**
  Suitable for conventional boilers with separate hot water control, using a 2 channel HubR 2nd Generation, a Room Thermostat and 2 Smart Radiator Thermostats 2nd Generation.

1 Package content

A. Wiser Hub[R] 2nd Generation
- **A1.** Hub[R] 2nd Generation
- **A2.** Wall plate (mounting and wiring)

B. Room Thermostat
- **B1.** Wiser Room Thermostat
- **B2.** Wall bracket
- **B3.** Stand
- **B4.** 2 x AA Alkaline batteries

C. Radiator Thermostat 2nd Generation
- **C1.** Wiser Radiator Thermostat 2nd Generation
- **C2.** O-ring (pre-installed)
- **C3.** M30 x 1.5 valve adapter and chrome ring nut
- **C4.** Danfoss RA adapter

D. Installation Manual

Note: Quantity of product depends on which kits is chosen.

2 Operating elements

A Setup
B Heating
C Hot Water (Only CCTFR6312G2D and, CCTFR6313G2D)

3 Installing the wall plate

⚠⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by skilled professionals. Skilled professionals must prove profound knowledge in the following areas:
- Connecting to installation networks.
- Connecting several electrical devices.
- Laying electric cables.
- Safety standards, local wiring rules and regulations.

Failure to follow these instructions will result in death or serious injury.

⚠ CAUTION

EQUIPMENT DAMAGE

The device is not fitted with a user-replaceable fuse.
- The device must be powered from a 3A Fused Spur / Circuit Breaker.

Failure to follow these instructions can result in injury or equipment damage.

a. Mounting on a flat surface
(1) Cut the sides of the frame.
(2) Using pliers, break off the frame piece.
(3) Mount the wall plate to the wall.

4 Electric connections

a. One channel (CCTFR6311G2, CCTFR6311G2D)

	Combination-Boiler
OT 1	Opentherm® connection
OT 2	Opentherm® connection

b. Two channels (CCTFR6312G2, CCTFR6312G2D)

	Hot water
	Central heating
OT 1	Opentherm® connection
OT 2	Opentherm® connection

c. Three channels (CCTFR6313G2, CCTFR6313G2D)

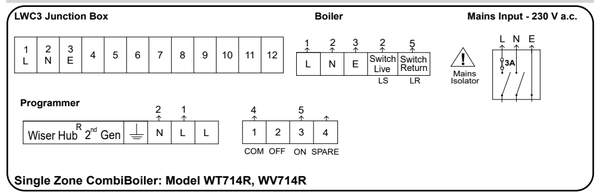
	Central heating circuit 1
	Hot water
	Central heating circuit 2
OT 1	Opentherm® connection
OT 2	Opentherm® connection

Note:
Control Type is selectable in the app:
- Standard: Choose this option if your heating system uses the basic On/Off control. Standard controls typically use simple On/off commands to control the boiler. The thermostat signals the boiler to turn on when heating is needed and to turn Off when the desired temperature is reached.
- **Open Therm:** Choose this option if your heating system supports OpenTherm. OpenTherm is a digital communication protocol that allows continuous communication between the boiler and thermostat. As a result, the boiler can determine the room's currents temperature and heat accordingly as required, thereby improving energy efficiency and providingmore consistent heating.

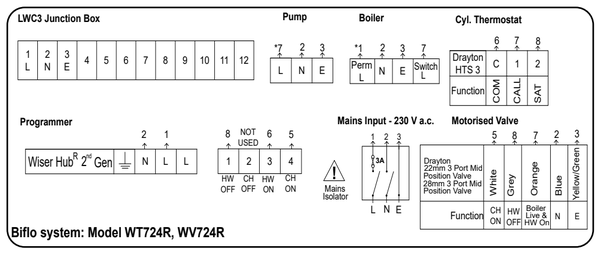
5 Installing the HubR

Clip on the Hub[R] and tighten the security scews from the wall plate.

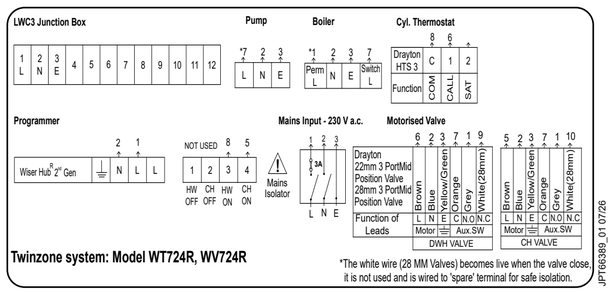
Connection Charts



Single Zone CombiBoiler: Model WT714R, WV714R



Biflo system: Model WT724R, WV724R



Twinzone system: Model WT724R, WV724R

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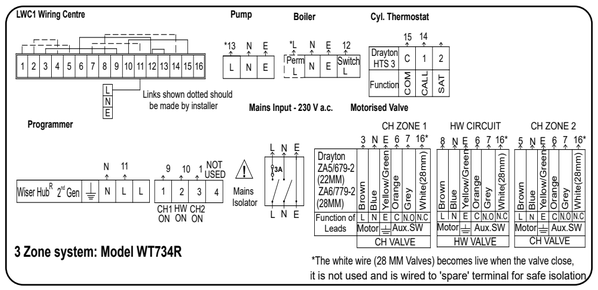


3 Zone system: Model WT734R

Download the app

In order to continue the installation you will need to download the Wiser Home app on your smartphone.

Download on the App Store
GET IT ON Google Play

Wiser Room Thermostat

For room thermostat only systems the positioning is important as this will control the boiler to your entire home. In these systems mechanical TRVs should be used as a minimum to provide a level of room heating control.
For optimum comfort and savings, each radiator in your home should be fitted with a Wiser Radiator Thermostat. These can be purchased and installed individually.

Boost

Feeling a bit cool?
1. Go to the Room Thermostat and touch any button to wake it up.
2. Touch the centre button again to activate boost
   1st touch = 30 minutes,
   2nd touch = 1 hour
   3rd touch = 2 hours,
   4th touch = 3 hours
   5th touch = Cancel
3. Shortly after the room will start to warm.
   Note: A boost will increase the setpoint to 2˚C above the ambient temperature for the time period selected. You can still adjust the setpoint when boosted.

Wiser Radiator Thermostat 2nd Generation

Multi-zone System:

Economy use:
- Place the Room Thermostat in a room which is heated most of the time, typically the lounge/ hallway.
- Place the Radiator Thermostat(s) in rooms that are not used all day such as bedrooms.
- The room with Radiator Thermostats can now be scheduled separately to avoid heating them with the rest of the rooms.

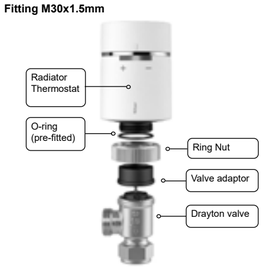
For optimum comfort and savings, each radiator in your home should be fitted with a Wiser Radiator Thermostat. These can be purchased and installed individually.

Mounting Options

As radiator valve bodies are not all the same, Wiser Radiator Thermostats come with two valve adaptors; M30x1.5mm and Danfoss RA (If however, neither work Guide on the Drayton website). with your radiator valves, consult the Valve Adaptor.
First remove the old thermostatic head from the valve body. Water should not leak from the valve whilst doing this.(Refer to the manufacturer's instructions if needed.) You are now ready to install your new Wiser Radiator Thermostat.

Note: Turning the head to the highest position/number will simplify de-installation.
Once you have set up your Radiator Thermostat(s) through the app, you will be asked to select and fit the required adaptor. When fitting and tightening the adaptor to the Radiator Thermostat, please make sure that the O-ring is firmly seated above the thread as to avoid damaging the O-ring. Tighten by hand only.

Fitting M30x1.5mm

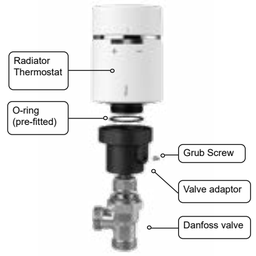


Place the small black plastic adaptor serrated face down onto the valve. Position the metal ring nut over the black plastic adaptor and screw it onto the valve. Now screw the Radiator Thermostat onto the black plastic adaptor until tight. If the Radiator Thermostat is not facing the right direction, slacken the metal ring nut and rotate the Radiator Thermostat as required and re-tighten the metal ring nut.

Thermostatic head calibration

Upon fitting of the relevant valve adaptor, twist the cap of the Radiator Thermostat in the – direction for 2 seconds until the right LED shows a solid blue.

Wiser Radiator Thermostat



Slide the larger black plastic adaptor small end first over the valve. Make sure that the hole containing the grub screw is facing away from you. This way, once its mounted, the markings of the Radiator Thermostat will be in the required position. Use a 2mm size Allen key to tighten the grub screw. Now screw the Radiator Thermostat onto the larger black plastic adaptor until tight.

Thermostatic head calibration

Upon fitting of the relevant valve adaptor, twist the cap of Radiator Thermostat in the – direction for 2 seconds until the right LED shows a solid blue.

! IMPORTANT
To limit temperature in other rooms use existing thermostatic radiator heads. We suggest regulating these according to manufacturer's documentation to provide either economy or comfort use.

Boost

Feeling a bit cool?
1. Go to the Radiator Thermostat and twist the cap in the + direction.
2. The left LED will show a solid red for 5 seconds and then disappear.
3. Shortly after the room will start to warm.

Note: A boost + will increase the setpoint by 2˚C above the ambient temperature for 1 hour. above the ambient temperature for 1 hour.

Wiser Room Thermostat

	ErP Class with Modulating boiler	ErP rating	ErP Class with on/off boiler	ErP rating
Wiser Thermostat Kit 1	VI	4%	VII	3.5%
Wiser Thermostat Kit 2	VI	4%	VII	3.5%
Wiser Thermostat Kit 3	VI	4%	VII	3.5%
Wiser Multi-zone Kit 1	VIII	5%	VII	3.5%
Wiser Mutli-zone Kit 2	VIII	5%	VII	3.5%

Technical Data

	Wiser Hub[R]	Wiser Room Thermostat	Wiser Radiator Thermostat
Dimensions	151mm(w) 94mm(h) 31mm(d)	76mm(w) 76mm(h) 25mm(d)	79.5mm(h) 52mm(dia)
Power Supply	230V a.c. ±10% 50Hz	2 x 1.5 V IEC LR6 (AA)	2 x 1.5 V IEC LR6 (AA) alkaline or rechargeable 1.2 V IEC HR6 NiMh batteries
Switch Rating	2(1)A 230V a.c. each switch Total load must not exceed 2.5A	N/A	
Wiring	Fixed wiring only, to comply with current IET regulations (BS7671)	No wiring required	
Interfaces	User: Push Button/LED; I/O: Mains Relays (1-3), Digital Boiler Interface	User: TFT display, touch buttons; I/O: None	User: Twist Cap, LED; I/O: None
Operating Temperature	0°C to 45°C		
Storage Temperature	-20°C to 65°C		
Maximum Mounting Surface Temperature	N/A		93°C
Maximum Water Temperature	N/A		73°C continuous and 110°C max
Ingress Protection	IP 30	IP 20	IP 30
Ambient Humidity (non-condensing)	Operating 25% to 90%, Storage 15% to 95%		
Set-point Range	5°C to 30°C		
Control Accuracy	<0.6°C at 4°C/hour (with Room Thermostat)	N/A	
	<0.8°C at 4°C/hour (with Radiator Thermostat)	N/A	
Timing Resolution	1 minute	N/A	
Temperature Resolution	0.5°C		
Ball Pressure Test	75°C	75°C	
Pollution Degree	2		
Software Class	A		
Without Mains Power	Display: LEDs off; Time: always kept; Programme times: always preserved	N/A	
Rated Impulse Voltage	2.5kV	N/A	
Communication protocol:	N/A		Zigbee 3.0 certified
Radio Technology/ Freguency	IEE 802.11 b/g/n 2.4GHz		
Radio Signal Range	30m Free Space		
Maximum Radio-Freguency Power Transmitted	+17dBm (50mW)	+13dBm (20mW)	
Mounting	Wall plate	Wall bracket or desk stand	Radiator Valve
Relevant Directives	Radio Equipment Directive (RED) 2014/53/EU, RoHS Directive 2011/65/EU	Radio Equipment Directive (RED) 2014/53/EU, Batteries Directive 2006/66/EC, RoHS Directive 2011/65/EU	
Applied Standards	EN60730-1; EN60730-2-7; EN60730-2-9, EN 300 328		
Regulatory Conformity	CE, UKCA	CE, UKCA	

Declaration of Conformity

Hereby, Schneider Electric Industries, declares that this product is in compliance with the essential requirements and other relevant provisions of RADIO EQUIPMENT DIRECTIVE 2014/53/EU. and The Radio Equipment Regulations SI 2017 No. 1206
Declaration of conformity can be downloaded on:
se.com/docs

Dispose of the device separately from household waste at an official collection point. Professional recycling protects people and the environment against potential negative effects.

Schneider Electric Industries SAS

If you have technical questions, please contact the Customer Care Centre in your country.
se.com/contact

UK Representative

Schneider Electric Controls
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Plymouth, PL6 6QT
United Kingdom

For technical support in the UK and Ireland:
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+44 (0)333 6000 622

PSTI Security Support Period

WARRANTY T & C's

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