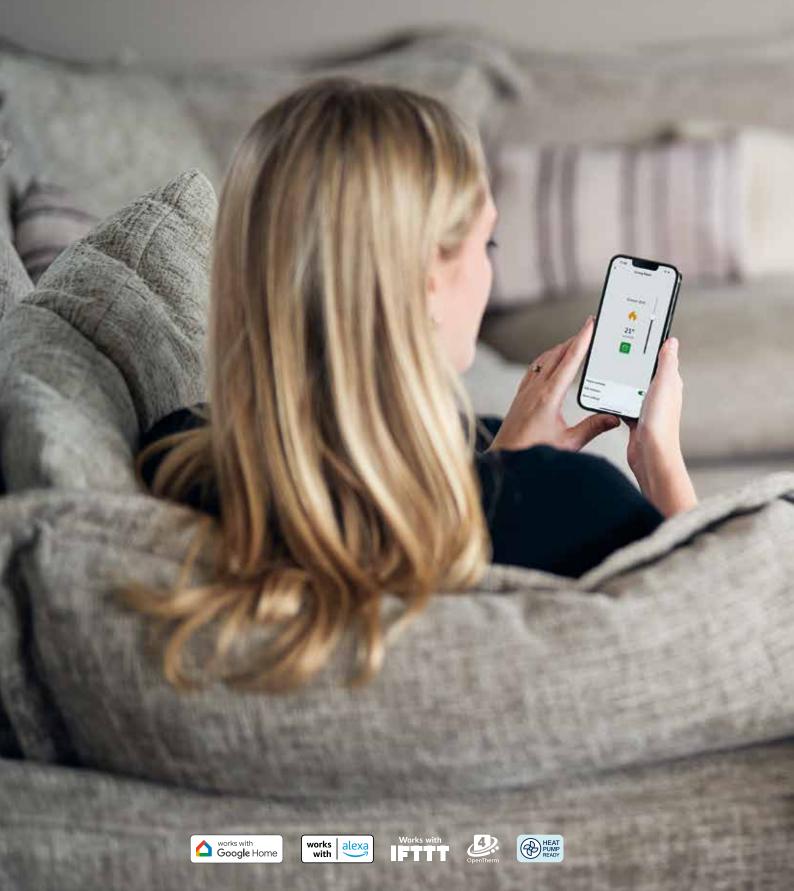


Wiser 2nd Generation for heating and smart home automation

wiser.draytoncontrols.co.uk



# Introducing Wiser 2nd Generation



Take home heating and automation to the next level with our new range of Hubs and smart home products.

Designed for UK heating systems and incorporating OpenTherm,
Wiser 2nd Generation is the first step towards full home energy management.

With 75 years of engineering expertise and UK manufacturing, Wiser makes smart home heating, automation and energy management simple and affordable.

#### Personalised systems

- · Smart heating and hot water control
- Simple zoning with radiator thermostats
- Incorporate electrical and underfloor heating
- Add smart home devices for automated safety and security
- Schedule electrical appliances using the Wiser Plugs

#### What makes Wiser wiser?



Flexibility
Buildable system, add
devices at any time



App Control
Simple app to control the whole home from anywhere



Automation
Create custom automations
for any eventuality



Insights & Heat Report Monitor system activity



Multi-zoning
Add Radiator Thermostats,
UFH & EHS as required



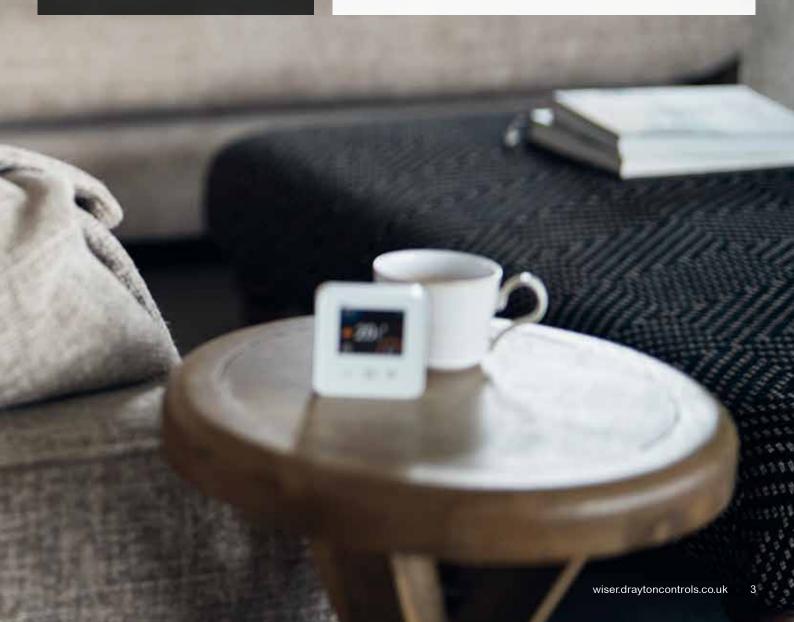
Smart Modes Eco Mode, Away Mode, Comfort Mode



OpenTherm
Digital boiler interface enabling
more efficient control



Electric load control Switch loads up to 3200W



# The all-in-one solution for home automation and efficiency.



#### Temperature control













#### Wiser Room Thermostat

- Wireless with a handy table stand & wall clip
- Works with Amazon Alexa and the Google Assistant
- Programme via the app
- Device lock
- · Also available in anthracite

#### Wiser Radiator Thermostat

- Mounts on over 90% of existing radiator valves
- · Battery operated
- Revolutionary twist top with spring back for boosting at the thermostat
- Award winning design for outstanding innovation and functionality
- Works with Amazon Alexa and the Google Assistant
- Programming & settings via the app
- ErP rating 3.5%
- Multiple sensors for high accuracy
- Automatic valve protection runs
- Open window detection
- Device lock
- · Also available in anthracite





#### Wiser Underfloor Heating Controller

- Set up and pairing via the Wiser Home app
- · Flexible choice of zones
- Heating and cooling functionality
- 30 sec delay between switching relays
- · Can be tested without installing a HubR
- Add up to 3 controllers and 16 zones
- · Voice assistant control



#### Wiser Electrical Heat Switch

The new Wiser Electrical Heat Switch has a 16A relay for electrical heating and because it's hard wired it can act as a range extender for the whole Wiser system.

Suitable applications include:

- Electric radiators
- Electric towel rails
- · Electrical underfloor heating

## The Wiser Home app

The app has been designed to make your life simple. Step-by-step commissioning instructions guide you through the whole process in just a few minutes.

The user interface has been designed to be intuitive so your customer will have no problem taking control of their heating. Set up can be done within seconds and programming couldn't be easier. Boost, set point and room selections can all be accessed from the home screen.

#### **Features**



**Away Mode** Activate when away from home to reduce all set points and save 14% of energy.



Combines weather compensation & optimum stop for maximum savings.



Set time and temperature schedules for every device to ensure full multi-zoning efficiency.



Insights & Heat Report Track the system performance to adapt heating schedules and settings to save energy.



Boost/cancel all Boost all devices in the system or cancel all overrides - enables complete system testing with the tap of a button.



Signal Strength Check the signal strength between devices and the Hub.







Download in the App Store search Wiser Home

## Taking care of up to 30% off energy bills\*

Over 50% of a home's energy consumption is used for heating & hot water, Wiser can have a big impact on energy use and bills.

Research by BEAMA shows that upgrading from basic heating controls to a smart multi-zone system like Wiser can offer savings of up to 30% on an average heating & hot water bill.

Furthermore, data from Wiser users shows that utilising smart modes such as Away Mode and Eco Mode can save an additional 16% per year. Users could save an additional 7% by connecting Wiser to their smart meter to better manage their energy consumption.\*\*

Earn rewards with demand response events thanks to our partnership with

**(**) equiwatt





**Smart Thermostat** 18% saving



**Individual Room Control** 19% saving



**Smart Modes** 16% saving



<sup>\*</sup>Research from BEAMA data 2022 and Wiser user data 2021.
\*\*IHD required (purchased separately) to connect Wiser to smart meter.

# Alexa activate date night moment.



# Wiser smart home devices enabling automation

Our brand new smart home devices enable simple automations and security activations via the Wiser Home app. Devices can be grouped together to activate simultaneously creating Moments and Automations and everything can also be controlled via voice activation using Amazon Alexa or the Google Assistant as well as IFTTT.



#### Smoke Alarm

Receive in-app notification of incidents whilst away from home.



#### Window/Door Sensor

Senses if doors/window are open to enable energy saving automation.

E.g. If window sensor detects window is open, turn heating off in that room.



### Temperature & Humidity Sensor

Low cost alternative to the Wiser Room Thermostat which can monitor temperature and humidity.



#### Water Leakage Sensor

Receive in-app notification of incidents whilst away from home. E.g. Bath overflowing, washing machine flood etc.



Notification of incidents when away from home. Enables security automation when motion is detected.

E.g. If motion sensor detects movement at top of stairs, activate lamp (plugged into Wiser plug). Remotely control dimmable LEI lamps via a momentary switch.

Control curtains, blinds, shutters or awnings via the Wiser Home app.

Used for switching resistive loads up to 3200W.

E.g. Schedule electric hot water control via the app.

# The Wiser options

Product Pack	Pack Contents	Description	Part Number
Wiser Radiator Thermostat	1 x Radiator thermostat 1 x M30x1.5mm ring nuts 1 x Drayton valve adaptors 1 x Danfoss RA valve adaptors 2 x AA batteries	Add additional single radiator thermostats to any Wiser system.	White - WV704R0A0902 Anthracite - WV704R0A0901
Wiser Room Thermostat	1 x Room thermostat 1 x Thermostat stand 1 x Thermostat wall bracket 2 x AA batteries	Additional room thermostat - add to rooms with radiator thermostats as a convenient way to view and change the room temperature. Works with all Wiser kits.	White - WN704R0S0902 Anthracite - WN704R0S0901
Wiser Plug	1 x Wiser Plug	Add up to 20 plugs to any system to enable remote scheduling of your home electrical appliances via the Wiser Home app.	WB704H1A0902
Wiser Underfloor Heating Controller	1 x Underfloor Heating Controller 1 x DIN rail 1 x Remote antenna	Add this underfloor heating controller to your existing system to control UFH and radiators via the Wiser Home app. One room thermostat is required per zone. Works with all Wiser kits.	WF762F1A0902
Wiser Electrical Heat Switch	1 x Electrical Heat Switch 1 x Accessories pack (screws, cable, clamps, plastic screw caps)	Add this electric heat switch to control electric radiators, electric towel rails, electric UFH via the Wiser Home app.	WE714U1A0902
Wiser Remote Floor Sensor	1 x Remote temperature sensor	This remote temperature sensor will be required if you are fitting electrical underfloor heating and using the Wiser Electrical Heat Switch. You will also need a Wiser Room Thermostat for temperature control.	193720
Wiser Non-relay 2nd Generation Hub Wiser	1 x Wiser Non-relay 2nd Generation Hub 1 x Power supply with AC/DC adaptor and 1,8m cable 4 Feet	Suitable for any non-relay heat emitters such as Heat Pumps. Connect with any Wiser devices to enable Smart Home security and automation via the Wiser Home app.	CCT501800
Wiser 1 Channel 2nd Generation Hub <sup>R</sup>	1 x 1 Channel 2nd Generation Hub <sup>R</sup> 1 x Wall plate (mounting and wiring) 1 x Installation manual	The 1 Channel Hub <sup>R</sup> provides control of heating for combi boilers either via OpenTherm or relay switching, or On/Off control for heat pumps. Connect Radiator and Room Thermostats for independent room scheduling. Connect Wiser Smart Home devices for home automation and security. Enables control of your heating and smart home devices via the Wiser Home app.	CCTFR6311G2D
Wiser 2 Channel 2nd Generation Hub <sup>R</sup>	1 x 2 Channel 2nd Generation Hub <sup>R</sup> 1 x Wall plate (mounting and wiring) 1 x Installation manual	The 2 Channel Hub <sup>R</sup> provides control of heating and hot water for conventional boilers with a separate hot water cylinder either via relay switching, or On/Off control for heat pumps. Connect Radiator and Room Thermostats for independent room scheduling. Connect Wiser Smart Home devices for home automation and security. Enables control of your heating, hot water and smart home devices via the Wiser Home app.	CCTFR6312G2D
Wiser 3 Channel 2nd Generation Hub <sup>R</sup>	1 x 3 Channel 2nd Generation Hub <sup>R</sup> 1 x Wall plate (mounting and wiring) 1 x Installation manual	The 3 Channel Hub <sup>R</sup> provides control of 2 heating zones and hot water via relay switching, or On/Off control for heat pumps. Connect Radiator and Room Thermostats for independent room scheduling. Connect Wiser Smart Home devices for home automation and security. Enables control of your heating, hot water and smart home devices via the Wiser Home app.	CCTFR6313G2D

Product Pack	Pack Contents	Description	Part Number
Wiser Window & Door Sensor	1 x Primary part (sensing circuit) 1 x Secondary part (magnet) 1 x Base plate 1 x Adhesive pad 1 x Screws (2 x ST2 x 10mm, 1 x M2 x 3mm) 1 x Installation instructions	Connect to the Wiser Hub or Hub <sup>R</sup> to remotely monitor the status of windows and doors. Set automations with Wiser Room or Radiator Thermostats to turn heating off if open window/door is detected. In-app notifications of window/door status.	CCT591012
Wiser Motion Sensor	1 x Motion sensor 1 x Base plate 1 x Adhesive pad 4 x Screws (2 x ST2 x 5mm, 2 x ST3 x 22 mm) 2 x Wall plugs 1 x Installation instructions	Connect to the Wiser Hub or Hub <sup>R</sup> along with Wiser Plug or other Wiser Smart Home devices to enable security lighting if motion is detected. In-app notifications of incidents.	CCT595012
Wiser Water Leakage Sensor	1 x Wiser Water Leakage Sensor 1 x Installation instructions	Connect to the Wiser Hub or Hub <sup>R</sup> for intelligent leak detection to prevent damage. In-app notifications of incidents.	CCT592012
Wiser Micro Module Shades Control	1 x Wiser Micro Module Shades Control 1 x Installation instructions	Connect to the Wiser Hub or Hub^ $\!^{\rm R}$ for curtains, blinds, shutters or awning control. Schedules and moments can be activated via the Wiser Home app.	CCT5015-0002W
Wiser Smoke Alarm - Battery	1 x Wiser Smoke Alarm Battery 1 x Mounting base 2 x Screws (M3.5 x 20mm) 2 x Wall plugs 1 x Primary label 1 x Installation instructions 1 x Dust cover	Connect to the Wiser Hub or Hub <sup>R</sup> for in-app notification of smoke detection when away from home.	CCT599002
Wiser Power Micro Module	1 x Wiser Power Micro Module 1 x Installation instructions	Connect to the Wiser Hub or Hub <sup>R</sup> to control electrical loads up to 14A such as immersion heaters. Set schedules and automation via the Wiser Home app. In-app reporting of power consumption.	CCTFR6730
Wiser Micro Module Dimmer	1 x Wiser Micro Module Dimmer 1 x Installation instructions	Connect to the Wiser Hub or Hub <sup>R</sup> to convert a conventional LED light switch into a dimmable one which can be controlled via the Wiser Home app. Set in-app automations, moments and schedules. Dimmable LEDs are required for conversion.	CCT5010-0003
Wiser Temperature & Humidity Sensor	1 x Sensor 1 x Base plate 1 x Adhesive pad 4 x Screws (2 x ST2.3 x 15mm, 2 x M2 × 3mm) 2 x Wall plugs 1 x Installation instructions	Connect to the Wiser Hub or Hub <sup>R</sup> this can be used as a low cost alternative to the Wiser Room Thermostat. Monitor temperature and humidity and set automations with other Wiser Smart Home devices via the Wiser Home app.	CCT593012

## Wiser Building Management System

Perfectly suited to building and property managers who are looking for the next level in building management services.

Wiser BMS is the smart solution from a trusted partner to keep your building energy consumption under control, manage multiple dwellings from the same interface.

- A fully integrated solution offering devices to manage and automate the whole smart home including heating, domestic hot water, lighting, shutters & safety.
- Professional support from our UK based Specification and Customer Support team.





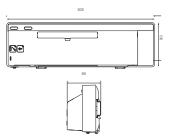


# How we measure up

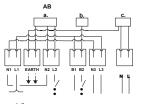
#### Temperature control

#### **Underfloor Heating Controller**

#### Dimensions (mm)

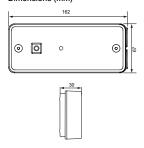


#### Wiring diagram

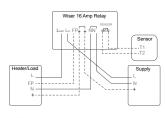


#### **Electrical Heat Switch**

#### Dimensions (mm)



Wiring diagram

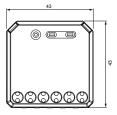


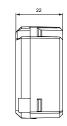
- L: Live
  N: Neutral
  FP: Pilot wire
  Sensor: Sensor (future use)
  In the case of electric underfloor heating, it is possible to connect a temperature floor sensor, enabling 2 features:
  1) Keep the floor temperature low to avoid damaging it, as in the case of a woorden floor. 1) Keep the floor temperature low to avoid damaging it, a in the case of a wooden floror.
  2) Avoid having the floor temperature too low to ensure comfort while walking barefoot.
  Compatible floor sensors for electric underfloor heating:
  33 kΩ Schneider Electric Reference MTN616790
  33 kΩ Schneider Electric Reference P193720
  53 kΩ Eberle Reference F193720
  515 kΩ Devi Reference 191071091
  510 kΩ Elko Reference 5491605

#### Lights & shutter control

#### Micro Module Shades Control

#### Dimensions (mm)



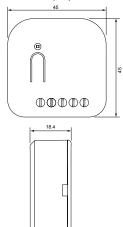


Wiring diagram

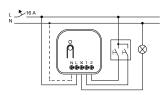


#### Micro Module Dimmer

#### Dimensions (mm)



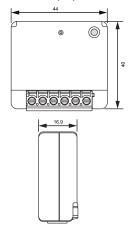
Wiring diagram



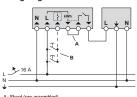
#### Hot water & heavy load control

#### **Power Micro Module**

#### Dimensions (mm)



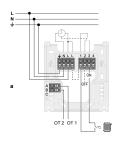
#### Wiring diagram

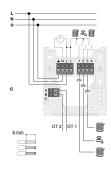


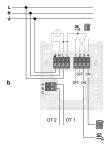
#### Hubs

#### Wiser 2nd Generation HubR

#### Wiring diagram







 One channel (CCTFR6311G2D) Combination-boiler OT 2 Opentherm® connection 马 Hot water Central heating OT 2 Opentherm® connection Three channels (CCTFR6313G2D) Hot water Central heating circuit 2

	Wiser Room Thermostat	Wiser Radiator Thermostat	Wiser Plug	Wiser Underfloor Heating Controller	Wiser Electrical Heat Switch		
Dimensions	76mm (w) 76mm (h) 25mm (d)	93mm (h) 51mm (dia)	67.9mm (w) 79.6mm (h) 62.8mm (d)	305mm (w) 90mm (h) 65mm (d)	161mm (w) 65mm (h) 30mm (d)		
Power supply	2x1.5V IEC LR6 (AA) alkaline batteries		230V a.c. ±10% 50Hz	230 V AC ±10% 50Hz	230 V AC ±10% 50Hz		
Switch rating	N/A		13A Max / 3kW Max	3.15A	16A		
Wiring	No wiring	required	No wiring required	Fixed wiring o with current IET re			
Interfaces	TFT display, touch buttons; Twist Cap, LED; I/O: None		Push Button/LED; I/O: Mains Relay	Push Button/LED			
Operating temperature	0°C to	45°C	0°C to 40°C	0°C to 50°C			
Storage temperature	-10°C to	o 55°C	-10°C to 40°C	-10°C to 55°C -20°C to 65°C			
Maximum mounting surface temperature	N/A	93°C	N/A				
Maximum water temperature	N/A	73°C continuous and 110°C max					
Ingress protection	IP 20	IP 30	IP 20	IP 30	IP 44* To achieve IP44. silicon sealant should be used around mounting holes and cable entry glands		
Ambient humidity (non- condensing)	Operating 25% to 90%, Storage 15% to 95%		5% to 85%	Operating 25% to 85%, Storage 15% to 85%	Operating 25% to 90%, Storage 15% to 95%		
Set-point range	5°C to	30°C		N/A			
Control accuracy	< 0.8°C a	at 4°C/h	N/A				
Timing resolution			N/A				
Temperature resolution	0.5°C			N/A			
Ball pressure test	75°C		125°C	75°C for the rear cover and 115°C for the front cover	78°C		
Pollution degree	2						
Software class	Α		N/A	А			
Without mains power	N/A						
Rated impulse voltage	N/A	A	2.5kV	4kV			
Radio technology/ frequency	Zigbee: 2.4 GHz, IEEE802.15.4						
Radio signal range	Max. 30m in free air		Max. 100m in free air	Max. 30m in free air			
Mounting	Wall bracket or desk stand	Radiator Valve	Std. UK 3 pin socket	DIN rail clips	Independently mounted control		
Maximum radio frequency power transmitted	+13dBm (20mW)		+8dBm (6.3mW)	+13dBm (25mW)			
Relevant directives	Radio Equipment Directive (RED) 2014/53/EU & Commission Delegated Regulation (EU) 2022/30 (RED DA), Batteries Directive 2006/66/EC, RoHS Directive 2011/65/EU		Radio Equipment Directive (RED) 2014/53/EU & Commission Delegated Regulation (EU) 2022/30 (RED DA), RoHS 2011/65/EU	Radio Equipment Directive (RED) 2014/53/EU & Commission Delegated Regulation (EU) 2022/30 (RED DA), RoHS 2011/65/EU  Radio Equipment I (RED) 2014/53/ Commission Dele Regulation (EU) 2 (RED DA), RoHS 0 2011/65/EU			
Applied standards	EN60730-1; EN60730-2-7; EN60730-2-9, EN 300 328		EN 60950-1, EN 62479, EN 300 328, EN 301 489-1, EN 301 489-17	EN60730-1; EN60730-2-9, EN 300 328, EN62479	EN60730-1; EN60730-2-9; EN 300 328; EN 301 489-1		

# Get technical

	Wiser Window & Door Sensor	Wiser Motion Sensor	Wiser Water Leakage Sensor	Wiser Micro Module Shades Control	Wiser Smoke Alarm - Battery	Wiser Power Micro Module		
Dimensions	42mm (w) 50mm (h) 16.3mm (d)	70mm (w) 70mm (h) 26.6mm (d)	66.7mm (w) 70.8mm (h) 19mm (d)	43mm (w) 43mm (h) 22mm (d)	89mm (w) 89mm (h) 33.5mm (d)	44mm (w) 40mm (h) 16.9mm (d)		
Power supply	Battery 3V / CR2450	Battery 2 x 1.5	5V / LR03 AAA	230V a.c. ±10% 50Hz	Lithium 3 V	230V a.c. ±10% 50Hz		
Wiring	No wiring required			Fixed wiring only, to comply with current IET regulations (BS7671)	No wiring required	Fixed wiring only, to comply with current IET regulations (BS7671)		
Interfaces			Push Bu	itton/LED				
Operating temperature	-10°C to 50°C				0°C to 45°C	0°C to 35°C		
Storage temperature	-20°C to 60°C							
Ingress protection	IP20 IP44				IP20			
Ambient humidity (non-condensing)	10% to 95%				5% to 95%	25% to 90%		
Radio technology/ frequency	Zigbee: 2.4 GHz, IEEE802.15.4				Zigbee: 2.4 GHz, IEEE802.15.4 RF 868MHz	Zigbee: 2.4 GHz, IEEE802.15.4		
Radio signal range	Max 40m in free air			Max 100m in free air	Max 40m in free air	Max 30m in free air		
Mounting	Screw or supplied adhesive strip N/A		Backbox	Screw fixing	Backbox			
Maximum radio frequency power transmitted	2.5mW			< 10mW	2.5	Screw fixing Backbox 2.5mW		
Relevant directives	Radio Equipment Directive (RED) 2014/53/EU & Commission Delegated Regulation (EU) 2022/30 (RED DA), Batteries Directive 2006/66/EC, RoHS Directive 2011/65/EU							
Applied standards	EN 60669-1 & 60669-2-5; EN 60730-1 & 60730-2-9 & 60730-2-13; EN 301 489			EN 62479: 2010 EN 60669-2-5: 2016 EN 60669-2-5: 2016; EN 301 489-17 V3.2.4: 09/2020 EN 300 328 V2.2.2: 07/2019, Zigbee 3.0 Certified	EN 14604:2005+AC:2008 Vfdb 14-01: 2010 NF 292 – part 2: rev 9	EN60669-1:2018, EN60669-1:2018, EN60669-2-1:2004 +A1:2009 +A12:2010, EN300328 v2.2.2 2019-07, EN301489- 01 V2.2.3 2019-11, EN301489-03 v2.1.1 2019-03, EN62479:2010, Zigbee 3.0 Certified		



	Wiser Micro Module Dimmer	Wiser Temperature & Humidity Sensor	Wiser Non-relay 2nd Generation Hub	Wiser 1 Channel 2nd Generation Hub <sup>R</sup>	Wiser 2 Channel 2nd Generation Hub <sup>R</sup>	Wiser 3 Channel 2nd Generation Hub <sup>R</sup>
Dimensions	45mm (w) 45mm (h) 18.4mm (d)	45mm (w) 45mm (h) 17.2mm (d)	103.04mm (w) 24.03mm (h) 123.04mm (d)		150.8mm (w) 94mm (h) 30.25mm (d)	
Power supply	230V a.c. ±5% 50Hz	Battery3 V / CR2450	Input voltage: 100 - 240 V AC, 50/60 Hz, 0.3 A max. Output voltage: 5.0 V DC, 2 A, 10W Output connector: USB-C			
Switch rating		N/A		2(1)A 230V a.c. each switch		
Wiring	Fixed wiring only, to comply with current IET regulations (BS7671)	No wiring required	N/A	Fixed wiring only, to	comply with current IET r	egulations (BS7671)
Interfaces		Push Button LED			ush Button/LED; I/O: Mair /s (1-3), Digital Boiler Inte	
Operating temperature	-5°C to 35°C	-10°C to 50°C	0°C to 45°C		0°C to 45°C	
Storage temperature	-20° to 70 °C	-20°C - 60°C		-20 °C t	o 65 °C	
Ingress protection		IP20			IP30	
Ambient humidity (non-condensing)	10% t	o 95%	10% to 90%		25% to 90%	
Control accuracy	N/A		<0.6°C at 4°C/hour (with Room Thermostat) <0.8°C at 4°C/hour (with Radiator Thermostat)	<0.6°C at 4°C/hour (with Room Thermostat) <0.8°C at 4°C/hour (with Radiator Thermostat)		
Timing resolution	N/A		1 minute			
Temperature resolution	N/A		0.5°C			
Ball pressure test	N/A		85°C	92°C		
Pollution degree	N/A			2		
Software class	N/A		A			
Without mains power	N/A		Display: LEDs off; Time: always kept; Programme times: always preserved			
Rated impulse voltage		NA		2.5kV EU/UK, 4kV DE		
Radio technology/ frequency	Zigbee: 2.4 GHz, IEEE802.15.4		Wi-Fi: 2.4 GHz, IEEE802.11 b/g/n Zigbee: 2.4 GHz, IEEE802.15.4			
Radio signal range	Max 100m in free air	Max 40m in free air		Max 30m	n free Air	
Mounting	Backbox	Screw or supplied adhesive strip		Wall <sub>I</sub>	plate	
Maximum radio frequency power transmitted	< 10mW	2.5mW	Wi-Fi: +17dBm (16 mW) Zigbee: +12dBm (50 mW)			
Relevant directives	Commission Delegated (RED DA), Batteries I	tive (RED) 2014/53/EU & Regulation (EU) 2022/30 Directive 2006/66/EC, ve 2011/65/EU		ctive (RED) 2014/53/EU & Commission Delegated Regulation (EU) 2022/30 ), Batteries Directive 2006/66/EC, RoHS Directive 2011/65/EU		
Applied standards	EN 62479: 2010, EN 50428: 2005 + A1: 2007 + A2: 2009, EN IEC 60669-2-1: 2022 + A11: 2022, EMC (Article 3.1 a of RED) - EN 301 489-17 V3.2.4: 09/2020, EN 50428: 2005 + A1: 2007 + A2: 2009, EN IEC 60669-2-1: 2022 + A11: 2022, EN 300 328 V2.2.2: 07/2019, Zigbee 3.0 Certified	EN 60669-1 & 60669-2- 5; EN 60730-1 & 60730- 2-9 & 60730-2-13; EN 301 489	EN IEC 63000; EN50665; EN62368-1; EN301 489-17, EN 300 328	; EN IEC 63000; EN IEC 62311; EN 60730-2-7; EN 301 489-17; EN 60730-2-7; EN 300 328;		



**75 YEARS OF REWARDING LOYALTY.** 

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Visit www.draytoncontrols.co.uk for trade information and direct





#### Get in touch



by Schneider Electric