



UNIQUE HEATING

**SMART CONTROLLER
MANUAL**

Instructions and Information



UNIQUE HEATING
Wainstalls Mill, Halifax, HX2 7TJ

**Warning:**

- The radiator must **only** be operated in the upright position and fitted to the wall with the fixing brackets supplied.
- In order to avoid overheating, **DO NOT COVER THE RADIATOR OR OBSTRUCT AIR CIRCULATION AROUND IT.** 
- The radiator must **not** be located immediately below or in front of an electrical socket outlet.
- This appliance **must** be earthed.

Child Safety:

- Keep young children **away** from radiators. Children are naturally curious, and hot surfaces can cause **severe burns**.
- Consider using Unique Heating radiator covers or guards to create a barrier between the radiator and children.
- Ensure that individuals with reduced physical, sensory, or mental capabilities are also kept **away** from radiators.

Supply Voltage:

- 230-240VAC 50Hz This radiator **must** be used on an AC supply only, and the voltage marked on the radiator must correspond with the supply voltage.
- Installation **must** be in accordance with the requirements of BS2761: 2018 and subsequent amendments.

Caution:

- The radiator can become **very hot** and cause burns. Particular attention has to be given where children and vulnerable people are present.
- Make sure that any mobility aids (such as wheelchairs or walkers) are positioned **away** from radiators to prevent accidental contact.

Mains Lead:

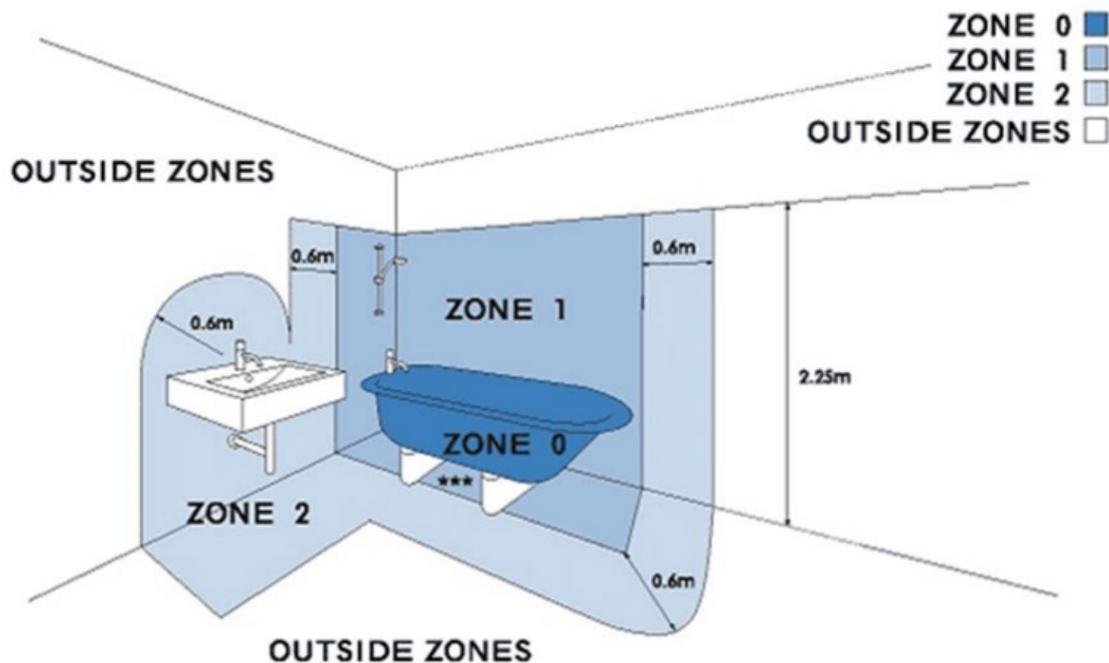
- This radiator is fitted with a moulded plug incorporating a **13 amp** fuse. Any replacement fuses must be approved by BSI to BS 1363. Installation into FCU must be in accordance with BS7671
- **DO NOT** operate the radiator with the mains lead **overhanging** the radiator.
- Ensure that the mains lead is properly **secured** to avoid trip hazards.



Important Safety Information

Bathrooms:

- The radiator is a “class I” IP44 rating. It can **only** be installed in “Zone 2” or “Outside Zones” of bathrooms, provided that no electric control unit can be touched by people using the bathtub or the shower. If the radiator is installed in these zones, it **must** be wired into a fused spur and in accordance with BS7671 2018 and any subsequent amendments.



Warning:

- The radiator must be protected from coming into direct contact with water. This includes excessive humidity or using wet hands to operate the controls.

Please carefully follow all Important Safety Information!



UNIQUE HEATING

Technical Specification

	4100	4140	4160	6040	6060	6080	6100	6120
Nominal heat output (KW)	1.100	1.625	1.840	0.383	0.790	1.138	1.480	1.900
Height (mm)	400mm	400mm	400mm	600mm	600mm	600mm	600mm	600mm
Length (mm)	1000mm	1400mm	1600mm	400mm	600mm	800mm	1000mm	1200mm
Depth (mm)	100mm	100mm	100mm	100mm	100mm	100mm	100mm	100mm
Minimum heat output (indicative)	NA	NA	NA	NA	NA	NA	NA	NA
Maximum continuous heat output (KW)	1.100	1.625	1.840	0.383	0.790	1.138	1.480	1.900
Boiler Capacity – Peak Electrical Draw (KW)	1.5	2.0	2.0	0.9	0.9	1.5	2.0	2.0
Electricity Consumption In standby mode	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
With open window detection	Yes							
With adaptive start control	Yes							
Controls	For full control functionality an external controller must be used. Time control is not provided by the radiator. Smart Controller – each room individually programmable from web app, adaptive start, holiday mode, frost protection settings, setback, open window detection.							
Construction	Durable powder coated steel radiator with interior steel fluting (K2 Style) Small control dial on right side under a flip down cover							
Colour/Finish	White							
Boiler/Pump	Compact, high performance electric boiler and pump unit							
Heating Medium	Treated water inc anti rust, anti-freeze							
Heat Delivery	Heat on demand to reduce unnecessary energy usage							
Installation	Two wall brackets with security clips Prefilled and fully sealed							
Safety	Thermal cut-out. Auto reset type Overheat detection Security clips to stop the accidental removal of the radiator from its brackets							
IP Rating	IP44 (Suitable for use in zone 2 and the outside zone of bathrooms if spurred in)							
Supply	230-240VAC 50Hz							
Lead	1.4m white cable with 13 amp plug – exiting the bottom right hand side of the unit							
Warranty	Up to 5-year warranty on all Unique Heating appliances are supplied complete with a manufacturer’s 2-year warranty, however this can be extended to 3 years by registering your appliance within 1 month of purchase at radiwarm.com/register. This warranty covers all electrical and electronic parts of the unit. All structural metalwork and components are covered by a 5-year warranty from defect in manufacture, and / or leaking.							
Country of Origin	United Kingdom							
Manufacturer	Heights UK trading as Unique Heating							

Energy Related Product Directive:

- This product meets the Eco-design requirement for an electric fixed local space heater Commission Regulation (EU) 2015/1188 when used with one of our controllers.

Operating Instructions

Note:

This instruction manual should be read carefully and retained by the user. Particular attention must be made to the **safety information** at the beginning of this manual.

**Before Switching On:**

- **Ensure** that the radiator has been installed correctly and that all warnings and instructions have been read carefully and followed.

Switching On:

- When you are **certain** that you have completed the above, plug in and switch on at the wall socket. Switch the radiator **ON** by turning the knob clockwise. Check the supply light is illuminated **ORANGE** for a short while then either **GREEN** or **RED** depending on the ambient temperature of the room. This light can be seen on the control panel.
- To comply with Lot 20 regulations the radiator **must** be paired with a smart controller. To enable full control by the controllers the knob **must be set all the way clockwise**. Local tuning of individual radiators can be achieved by turning the max heat output down via the control knob to reduce local temperature.

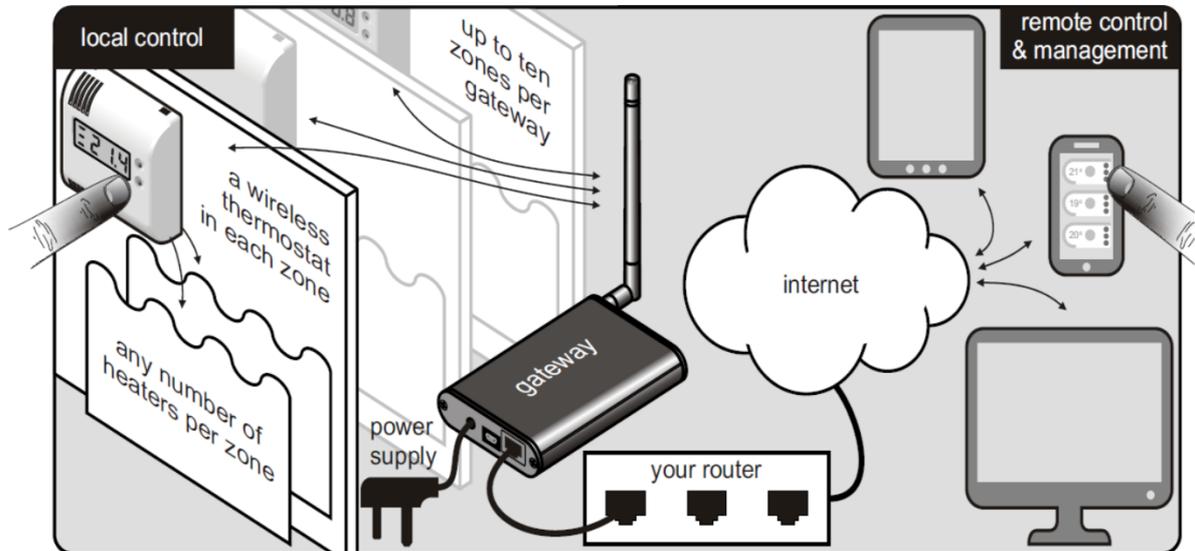
Warning:

- DO NOT switch off the radiator at the wall socket when the radiator is warm.

**Note:**

- It is strongly recommended that radiators (all models) are run for ½ hour each month during the summer to ensure that the pump is fit for winter operation.

Step by Step guide on how to install and operate your multizone smart control system.



1. Remove thermostat back plate:

To change batteries or remove your thermostat from the wall, push a screwdriver into the two recessed holes at the bottom to release the back plate. If the back plate was fitted upside down you may find the recessed holes on top.



2. Insert thermostat batteries:

Insert 2 new high-quality AAA alkaline batteries. Do not refit the backplate yet.



WARNING: The manufacturer is not responsible for damage due to corrosion. Battery leakage will cause permanent damage. To help avoid this:

- Replace the batteries annually, even if there is no low battery warning. Remove failing or flat batteries immediately.
- Always fit a pair of new high-quality alkaline batteries from the same pack. Never mix new and old batteries, or batteries of different brands or types.
- Never attempt to revive alkaline batteries by heating, crushing or recharging.

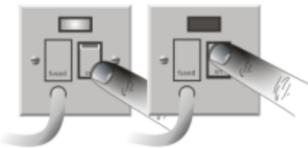
3. Pair heater with thermostat:

You must make a wireless connection between your heater and your thermostat.

1. Switch your heater's mains supply off.



2. Now, timing is critical: switch it on for three seconds then off again. You can say, "On, one thousand, two thousand, three thousand, off".



3. Switch it back on. The light on the heater should be flashing. If it's not flashing then restart the procedure.



4. You now have half a minute to press the button on the back of the thermostat. Once pressed, the light on the heater will immediately stop flashing and possibly change colour depending on the settings and the room temperature.



Now that it is paired you shouldn't ever have to do it again, though you may also wish to follow this procedure if you add more heaters or move your heater to another thermostat.

4. Getting online:

Plug the power cable into the gateway and fit its antenna pointing upwards. Connect your gateway to your router using the network cable.

With any browser go to <https://app.uniqueheating.com> then click on 'Create an account'" and follow the instructions. Or if you already have an account you use 'Add Gateway' on the  menu.



5. Pair thermostat with gateway and test system:

It's best to do this when you are online. Go to 'System setup' from the ☰ menu, click 'Add thermostat' and follow the instructions. From this screen you can give your gateway and each thermostat a name.

Check that the system works by switching heaters on and off from the App.

If you are not online you can pair the thermostat and gateway by pressing PAIR on the gateway with the supplied pin then pressing the button on the back of the thermostat. To test the system press and hold PAIR and, while it is pressed, press MODE. L3 starts to flash red. All thermostats are on full power for a period of 10 minutes or until you cancel the test by pressing MODE.

6. Choose thermostat position:

Position on the wall in the same room as the heater. It should be where its temperature will not be changed by local effects. Avoid:

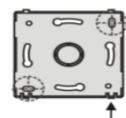
- Draughty places near windows, doors and vents.
- Places near the heater itself or any other heat sources in the room.
- Places where the sun will shine on it.
- Places where, for example, it could be hit by a door.
- Places where it may get wet.

The maximum wireless connection distance from a thermostat to a heater or to a gateway depends on the surrounding objects and the building. It can be up to 30 metres in some installations.

Before permanently fixing it, hold the thermostat in the chosen position and adjust it to make your heater turn on. If it doesn't turn on, consider a different position.

8. Fix thermostat to the wall:

Mark through the screw holes on the rear. Drill and plug the wall to accept two No. 6 screws and mount the wall plate with the clips at the bottom. Clip the thermostat back onto the wall plate.



YOUR WIRELESS THERMOSTAT:

Model CTH3 has a display and buttons so the occupants can see and adjust the temperature.



What it can do:



Your thermostat gives precision control of the zone temperature. Being battery powered, it is completely wireless. Once set up, it will keep to its 7-day schedule even if the gateway is switched off.

The thermostat normally shows the measured temperature. When you press a button it flashes the set temperature. Press a button while it is flashing to adjust the set temperature between 4°C and 30°C or --- for no heating. Sometimes you are not permitted to adjust depending on App overrides. Your adjustment usually starts a temporary override of the normal scheduled temperature, depending on how it was set up from the App.



The left-hand dot flashes while there is a temporary override. You can cancel the override by pressing both buttons at the same time.

The bars on the left show the heaters current power.



Your Radiator:

The radiator has an indicator light which may be:

GREEN – when no heat is needed.

YELLOW – when some heat is needed to maintain the room temperature.

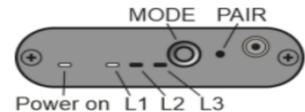
RED – when it is on at full power.

The light is normally on continuously but may wink off or flash as described below. The thermostat sends a radio signal. When the heater receives the signal, the light winks off briefly and may change colour.

When the heater is on, the light is always green until the first signal. If the room requires heat the light will turn red until up to TARGET temperature.

Gateway:

Normally the 'Power on' and L1 lights are green. Pressing MODE changes from L1 to L2 flashing green which means all thermostats are overridden to frost protection 4°C. L3 red means some system override temperature other than 4°C has been selected from the App. Pressing MODE again cancels any system override.



PAIR is pressed with the supplied pin during system set-up.

**WebAPP:****How do I make a short-cut to the Web App on my home-screen?**

- **PC OR LAPTOP**
Drag the icon at the left of the address bar of your browser to your desktop.
- **ANDROID (Samsung/HTC/LG/Motorola)**
Open the Web App with Google Chrome. At the top right hand of Chrome there is a menu (3 vertical dots). Click on the menu and scroll down until you see 'Add to home screen'. You should be able to give the link a name. The short-cut is now on your home screen.
- **APPLE IPHONE**
Open the Web App with Safari. At the bottom there should be a square with an arrow coming out of it. Click this and you will see a few buttons appear. Click on 'Add to Home Screen' and give it a name. The short-cut is now on your last screen.
- **WINDOWS PHONE**
Open the Web App with the internet browser. At the bottom right corner there will be a menu, '...'. Click on the menu and scroll down until you see 'Pin to Start' and click on it. The short-cut is now on the bottom of your home screen.

Can I temporarily override schedule temperature?

Yes, you can change the target temperature without having to change the schedule. Click on 'Set temperature' and a dial will appear. Adjust it by dragging it then click 'OK'. The override will last until the next scheduled temperature or until you click 'X'.

After Sales and Warranty

If our recommended Trouble Shooting Guide does not solve the problem, warranty terms will then be followed as per below;

All Unique Heating appliances are supplied complete with a manufacturer's 2-year warranty; however, this can be extended to 3 years by registering your appliance within 1 month of purchase at uniqueheating.co.uk/register.

This warranty covers all electrical and electronic parts of the unit. All structural metalwork and components are covered by a 5-year warranty from defect in manufacture, and / or leaking. The above is subject to proper installation and use of the product.

Any improper use or tampering with the product will invalidate the warranty in full. Should you experience any problems with your radiator do not try to rectify it yourself as this will invalidate the warranty. Please contact Unique Heating quoting the model and serial number of the radiator (this can be found on the lower left-hand side of the radiator)

Warranty repairs made during the warranty period are warrantied for the remainder of the original warranty. The warranty does not cover:

- A) Damage from physical abuse such as dropping the unit or impact from hard objects.
- B) Damage resulting from any other use other than what it was intended for
- C) Any unit that has been repaired or had an attempted repair to it made by unauthorized personnel.
- D) Damage due to incorrect connection, connection to faulty equipment or connection to faulty or incorrect power supplies. If goods are returned without prior written authorisation, an administration charge may be raised.

Carriage is chargeable on all non-warranty work and on warranty work that has been returned because of incorrect operation. All quotations and charges are subject to VAT at the current rate.

Repair Warranty Policy All Unique Heating repairs carry a limited warranty against defects in materials and workmanship.

This warranty pertains only to the specific repair and any new and different defect in materials or workmanship will be treated as a new incident. Parts and products provided because of warranty service may be other than new but will be in good working order. All defective materials that are replaced become the property of Unique Heating.