

# Heatmiser DT-UWTS

*Wireless Touchscreen  
Programmable Thermostat*

Ref: DT-UWTS

Rev: 1.0



## Contents Page

Installation Procedure	2
Pairing the Thermostat with the UH1-W	3-4
Temperature Display	4
Temperature Set	5
Locking the Thermostat	5
Frost Mode	6
Thermostat On/Off	6
Clean Screen	6
Factory Reset	7
Calibration	7
Recharging the Battery	7
Optional Feature Setup	8-12

## **Installation Procedure**

### **Do's**

1. Do mount the thermostat at eye level, or if using the desk stand, ensure the thermostat is away from any heat sources.

### **Don'ts**

1. Do not push hard on the LCD otherwise you will damage the liquid crystal display and this is not repairable.

### **Wall mounting**

The wall plate is supplied loose. If you are using the wall plate, fix to the wall and then push the thermostat onto the wall plate.

### **Desk Stand**

Remove the wall plate from the back of the thermostat before releasing the desk stand.

## **Testing the communications with the UH1-W**

### **On the UH1-W:**

On the UH1-W set the board address number, choose from 01-09 on the dial, each UH1-W will need a different address.

### **On the DT-UWTS:**

- Press Setup.
- At the top of the screen press the Up button to select feature 05.
- Use the up/down buttons in the centre of the screen to select the UH1-W board number you are communicating with.(01-09)
- Press the up button at the top of the screen to select feature 06.
- Use the up/down buttons in the centre of the screen to select which zone number on the UH1-W you are assigning the thermostat to. (01-08)
- Press the up button at the top of the screen to select feature 07.
- Use the up/down buttons in the centre of the screen to select if the thermostat will bring on the pump & boiler outputs.  
00=UFH (Outputs enabled) 01=Radiator (Outputs not enabled)
- Press the Done button.

## **Testing the communications with the UH1-W**

On the thermostat use the Up button and take the set temperature above the room temperature then press done.

You will now see the flame symbol and after a few seconds the RF symbol will appear, the assigned zone on the UH1-W should now be active.

If the output on the UH1-W does not come on, reduce the distance between the DT-UWTS and UH1-W and check features 05-07 have been set up properly, then repeat the above process.

### **Temperature Display**

**Room Temp** = This is the current room temperature.

**SET** = This is the temperature you are trying to achieve.

## **Locking the Keypad**

The thermostat has a keylock facility. To enable this press the bottom right corner of the display and hold for 10 seconds. When activated you will see the lock symbol. To cancel, repeat the steps above.

## **Temperature Set**

Using the Up and Down keys allows you to adjust the set temperature. When you press either of these keys, you will see the word SET and the desired temperature. Press Done to accept.

**Frost Protect Mode:** Pressing the Power button once will place the thermostat in frost protect mode. In this mode, the thermostat will display the frost icon and will only turn the heating on should the room temperature drop below the set frost temperature (see pages 13-14 ) Should the heating be turned on whilst in frost mode, the flame symbol will be displayed. To cancel the frost protect mode, press the Power button.

**Thermostat Off:** To turn the thermostat off completely, press and hold the Power Button. The display and heating will be turned off. To turn the thermostat back on, press the Power button once.

### **Clean Screen**

Pressing “Screen” will disable all buttons, allowing you 15 seconds to wipe the screen clean



## **Factory Reset**

Turn off the thermostat by pressing and holding the Power button. Now press and hold the Power button for 10 seconds, you will see all the icons appear for 2 seconds and then disappear. The thermostat has now been reset to the factory defaults.

## **Calibration**

Should you need to calibrate the thermostat, follow these steps;

- Press and hold the power button to turn off the thermostat
- Press and hold the OFF button for approx. 10 seconds
- Use the Up/Down buttons to enter the correct temperature.
- Press Done to store

## **Battery and Recharging**

The thermostat battery should last at least 6 months in normal operating conditions. The thermostat is equipped with a rechargeable battery and is supplied with a mini USB to USB lead so that you can charge the thermostat from your PC's USB port. An optional mains adaptor (USB-01) is also available.

## Feature Setup

**Feature 01 – Temperature Format:** This function allows you to select between °C or °F.

**Feature 02 – Switching Differential:** This function allows you to adjust the switching differential of the thermostat. This is the number of degrees the thermostat will switch on below the set temperature. This can be adjusted in order to obtain optimum switching of the heating in your home. As an example, the default is 1°C which means the thermostat will switch the heating on 1.0°C below the set temperature.

**Feature 03 – Frost Temperature:** This is the temperature maintained when the thermostat is in frost mode. The range is 07-17°C. The default is 12°C and is suitable for almost all applications.

**Feature 04 – Output Delay:** To prevent rapid switching, an output delay can be entered. This can be set from 00-15 minutes. The default is 00 which means there is no delay.

**Feature 05 – UH1-W Address:** Within one building, up to 9 UH1-W's can be used, each must have a unique address.

**Feature 06 - Zone No.**

This is the zone number on the UH1-W you wish to assign the thermostat to, select from 1-8.

**Feature 07 – Under-floor Heating or Radiator Zone:** This setting determines whether the thermostat will active the pump & boiler outputs on the UH1-W when the thermostat calls for heat. 00-Enabled 01-Disabled.

**Feature 08 – Fail Safe**

If enabled, the thermostat will send a signal to the receiver every 20 minutes. Should the receiver fail to receive the signal from the thermostat, the receiver will activate the output for 20% of the time. This is to protect the system against a loss of wireless signal or should the thermostat battery fail whilst you are away.

### **Feature 09 – Up/Down Temperature Limit**

This function allows you to limit the use of the up and down temperature keys. This limit is also applicable when the thermostat is locked and so allows you to give others limited control of the heating system.

## Adjusting the Feature Settings

To adjust the settings, follow these steps;

- With the thermostat turned on.
- Press Setup
- Use the Up/Down keys at the top of the screen to select the feature number
- Use the Up/Down keys in the centre of the display to adjust the setting
- Press Done to store

### Feature Table

Feature	Description	Setting
01	Temperature Format	00=°C 01=°F
02	Switching Differential	0.5 – 03 1°C Default
03	Frost Protect Temperature	07-17°C 12°C Default
04	Output Delay	00-15 Minutes 00=Default
05	UH1-W Address	01-09
06	UH1-W Zone No.	01-08
07	UFH or Radiator	00=UFH 01=Radiator
08	Fail Safe	00=Disabled 01=Enabled
09	User Temp Limit	00-10 00=Disabled



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