

# Heatmiser DT-WTS

*Wireless Touchscreen Digital Thermostat*

Ref: DT-WTS

Rev: 1.0

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## 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.

## Pairing the Thermostat

To pair the thermostat with the receiver, follow these steps;

On the receiver;

- Press the Pair button.
- The Communication LED will come on

On the thermostat;

- Press Prog and then Setup
- At the top of the LCD, you will see 01.  
Use the up arrow to select 05 to enter the pairing function
- Press Zone 1 or Zone 2 to select the relevant zone.  
(Two DT-WTS can work with a single receiver, offering a two zone system)
- In the centre of the LCD, you will see 01. This is the channel address. The default setting of 01 can be used in most cases, but should be changed when a conflict is detected between other RF devices.
- Use the Up/Down keys to enter the address
- Press Setup to Pair the thermostat.

**Note:** You need to finish pairing the thermostat before the receiver pair LED goes out.

### **Pair Successful**

The Comms LED on the receiver should flash and then go out to indicate the pair is successful. The thermostat will then display the communication icon.

### **Pair Fail**

If the Comms LED does not flash there is a problem with the RF signal, and you should reduce the distance between the thermostat and receiver and where possible check that no metal objects are blocking the signal. The LED will automatically go out after 1 minute.

### **Temperature Display**

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

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

## **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.

## **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.

**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 9-10 ) 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.

### **Clean Screen**

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

### **Factory Reset**

The thermostat has a factory reset function. This will reset all settings back to their factory default.

To perform a factory reset, follow these steps;

Turn off the thermostat by pressing the Power button. 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 been reset to the factory defaults.

## **Calibration**

- Should you need to calibrate the thermostat, follow these steps;
- Turn off the thermostat
- Press and hold the OFF Key for 10 seconds
- Use the Up and Down keys 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 (PS-USB) 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 – Pairing Function:** Allows the thermostat to be paired with the receiver.

#### **Feature 06 - 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.

## **Adjusting the Feature Settings**

To adjust the settings, follow these steps;

- With the thermostat turned on.
- Press Prog
- Press Setup
- Use the Up/Down keys at the top of the screen to select the feature number (Shown on page 11)
- Use the Up/Down keys in the centre of the display to adjust the setting
- Press Done to store

## Feature Setup

<b>Feature</b>	<b>Description</b>	<b>Setting</b>
01	C/F	Temperature Format
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	Pairing	Used to Pair with Receiver
06	Fail Safe	00 Disabled 01 Enabled 00=Default

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