## **Owners Operating Instructions**

### Congratulations on choosing a Warmfloor Heating System

You may visit **www.warmfloornz.com** to download operating instructions and to view common questions and answers to help you understand the operation of your thermostat.

### **OPERATING YOUR THERMOSTAT**

Programming should have been completed before using this guide (by your installer.)



Press MODE button to select Manual  $\swarrow$  icon symbol will appear. With manual mode your floor will maintain its temperature for a 24 hour period.

### Automatic Mode:

Turn Power ( ) on.

Manual Mode:

Turn Power O on. Press MODE Button to select Automatic  $\bigcirc$  icon symbol will appear. With automatic mode your floor will maintain its temperature according to the heating periods your installer has programmed.

Note: While floor is heating, the icon  $\{\!\!\!\!| \{\!\!\!| \{\!\!\!| \{\!\!\!| \}\!\!\!| \}\!\!\!| \}\!\!\!| appears at bottom left screen.$ 

### Programme Day and Time

(WITH THERMOSTAT TURNED ON)

- 1. Press DAY and view displayed day. Press  $\blacktriangle$  or  $\blacksquare$  arrows to set the day
- 2. Press HOUR and view current hour. Press  $\blacktriangle$  or  $\blacktriangledown$  arrows to set the hour
- 3. Press MIN and view current minutes. Press  $\blacktriangle$  or  $\blacktriangledown$  arrows to set the minutes

### To turn off heating system:

Press power button (). The OFF icon will appear.





Programmable Electronic Heating Thermostat

# Installers Instruction Sheet

Code: WF TH1

For more information or for Warmfloor technical support, please visit **Visit www.warmfloornz.com** 

## 1. Installers Basic Programming Guide



### **Programme Day and Time**

(WITH THERMOSTAT TURNED ON)

- 1. Press DAY and view displayed day. Press  $\blacktriangle$  or  $\blacksquare$  arrows to set the day
- 2. Press HOUR and view current hour. Press  $\blacktriangle$  or  $\blacksquare$  arrows to set the hour
- 3. Press MIN and view current minutes. Press  $\blacktriangle$  or  $\blacktriangledown$  arrows to set the minutes

<b>Programming Automatic Operating Times</b> (Factory default – all seven days)			

## 2. Installers Basic Programming Guide continued



### To customize time settings

- 1. Press PGM (first **d** symbol appears) to set First heat up period ON time.
- 2. Press and hold DAY button until all seven days of the week are displayed.
- 3. Press HOUR button until first heat up hour is reached
- 4. Press MINUTE button until first heat up minute is reached
- 5. Press PGM (second 📫 symbol appears) to set First heat up period OFF time.
- 6. Press HOUR and then MINUTE buttons as above to set first heat up period OFF time.
- 7. Press PGM. Repeat steps 3 to 6 as above to set second heating period.
- 8. Press RET to exit programme

Note: If a key is not pressed when setting heat times within 20 seconds, you will need to press programme button until you reach the heating period you wish to alter (indicated by Asymbol)

### **Programme Weekend Times**

- 1. Press PGM.
- 2. Press DAY button until Saturday is displayed
- 3. Repeat the process (3 8 as above) to set 1st and 2nd heat up periods for Saturday
- 4. Once Saturday has been programmed press DAY to step to Sunday and set times as previous
- 5. Press RETURN to exit program.

Note: To remove a heating period press PGM until time is displayed then press CLR.

## **3. Additional Installers Options**



- 1. Press PGM button followed by MODE button (a small S symbol appears bottom of screen)
- 2. Press and hold DAY button until all seven days of the week are displayed
- 3. Press HOUR and MIN buttons to set first on period
- 4. Press PGM then HOUR and MIN buttons to set first off period
- 5. Press PGM then HOUR and MIN buttons to set second on period
- 6. Press PGM then HOUR and MIN buttons to set second off period
- 7. Press RETURN to resume normal operation.

Note: To remove a heating period press PGM until time is displayed then press CLEAR.

#### Programming Temperature Set Point (Auto Mode)

Default set point 24 Degrees Celsius (floor sensing)

1. Press TEMP button

2. Press  $\blacktriangle$  or  $\checkmark$  keys to set desired temperature.

3. Press RETURN

### Programming Temperature Set Point (Manual Mode)

Default set point 24 Degrees Celsius (floor sensing)

### 1. Select MANUAL MODE

2. Press  $\blacktriangle$  or  $\mathbf{\nabla}$  keys to set desired temperature.

3. Press RETURN

This completes basic programming

# 4. Advanced Programming Options



- Press MODE to toggle and view temperature
- (Note 1 & 2 symbol appears at bottom of screen)
- 1. Floor Temperature Maximum, adjustable from 16°C to 35°C (default setting 30°C)
- 2. Floor Temperature Minimum, adjustable from 5°C to 20°C (default setting 18°C)
- Use  $\blacktriangle$  and  $\triangledown$  buttons to adjust temperature settings
- Press RETURN to exit

1.

2.

### **Enable/Disable Power Indicator**

(WITH THERMOSTAT TURNED ON)

- Press WATTS button to toggle Power Indicator (displayed bottom right) to ON or OFF
- Press CLEAR to delete accumulated value

### **Programming Cable Size for Power Meter Function**

(WITH THERMOSTAT TURNED OFF) • Press  $\blacktriangle$  and  $\triangledown$  keys to set to closest Cable Wattage value

Note: This is for indication only to assist achieving lowest consumer running costs (see owners operating instructions)

### **Reset to Default**

(WITH THERMOSTAT TURNED OFF)

- Press and hold PGM for 15 seconds (OFF flashes)
- Press RETURN within 5 seconds to reset.

### Thermostat Lock/Unlock

- Press power button for 6 seconds to lock.
- Press return for 6 seconds to unlock

## 5. Technical Specifications and Warranty Information

#### Probe Temperature/Values

Temp °C	Resistance value kΩ's
0	27.28
5	22.05
10	17.96
15	14.69
20	12.09
25	10.00
30	8.31



### **Technical Specifications:**

Input voltage:230VAC ±10% 50/60Hz.Main Heating Relay:16amp max.Auxiliary Heating Relay:3amp max.IP21 rated.0-50°C.Working temperature:-25-50°CThe accuracy of temperature control ± 1°C

Certification: EN60730-2-9/EN50081-1/EN50082-2 (EMC testing standard) and IEC-607-60730-2-9

Declaration of Conformity may be downloaded from www.warmfloornz.com

### Warranty:

Warmfloor warrants this product to be free from workmanship or material defects for a period of five (5) years from the date of purchase by the consumer. Warmfloor reserves the right to repair or provide a replacement unit at their discretion. This warranty does not cover removal or reinstallation costs.

Please visit **www.warmfloornz.com** for further information relating to common consumer questions and answers.

## 6. Other User Options

#### If Towel rail heating option has been selected:

Towel rail indicator **S** icon at bottom of screen is displayed when towel rail heating is active.

#### To turn floor heating off and continue with towel rail heating only:

Press Power O button to turn thermostat OFF

Press MODE to toggle Main floor heating from ON to OFF

Press Power O button to turn thermostat ON.

### If your installer has enabled the Power Indicator option

When your floor heating is running the accumulated power useage is indicated by the display bottom right of screen.

### Altering your running costs:

By changing either the heating periods or the temperature set point it is possible to alter the running costs.

- 1. After running your heating for a set period of time view the power usage indicator and record this value.
- 2. Alter heating periods and/or temperature set point (see installers programming guide or visit **www.warmfloornz.com**.
- 3. Press **CLEAR** to reset Power Indicator

Run the heating system for the same time period again. View your power indicator to record value again. Analyse the power differences.

Please Note: The power indicator is a feature to help best run your system cost effectively, but is not designed for accurate power metering. This option is available for you to attain the most economical running costs should you wish.

In some instances, depending on the climate zone, floor construction, and substrate, it may be desirable to run your heating in the continuous manual mode with a lower temperature set point.

More information may be available at www.warmfloornz.com