

TH115 A-F-AF THERMOSTAT INSTRUCTIONS

Once the floor heating system has been installed & commissioned, open the hinged side panels to reveal the programming controls - turn the unit on using the on/off switch on the top left.

TO SET THE DAY AND TIME

The current day and time needs to be entered into the Thermostat. First set the current time by pressing the "Hour" button once, to cycle through the 24hr clock. Once you have set the correct hour repeat the procedure for the minutes by pressing the 'min' button.

Next the current day needs to be entered. Press the 'day' button to cycle through & select the correct day of the week.

OPERATION OF THE THERMOSTAT

The thermostat can be operated in either **MANUAL** mode (signified by a picture of a hand) or **TIMER** mode (signified by a picture of a clock). You can switch between the two modes by pressing the 'mode return' button on the bottom left.

MANUAL MODE

When you are in manual mode the display shows **hand with a pointed finger**, in the centre of the screen. You can set the desired temperature by pressing the up and down arrows on the right hand side. Arrow up or down to the desired temperature – the thermostat will then display the actual temperature (not the set temperature) & it will draw power until the desired temperature is reached.

TO PROGRAM THE THERMOSTAT TIMER

First **press the program button** on the left side – you will see a small symbol at the bottom of the screen with a house & a number '1' inside & the sun rising.

To set the heating operations for one particular day, Press the 'day' button to cycle through the days of the week. **If you want the same times for every day of the week, press and hold the day button for a few seconds.** The display will now change to show every day of the week (Mon-Sun). You can alter the operation of individual days later if you wish.

Example Times: [on 04:00] [off 08:00] [on 16:00] [off 21:00]

Step 1. Once you have selected the day(s) you want to program the heating for, select the time at which you want the heating to be turned **on**. Do this by pressing the **hour** button to cycle through the 24hr clock and then pressing the minute once to cycle through 15 minute increments. e.g. 04:00.

Step 2. To select the first off time, press the program button again & the display will now show at the bottom of the screen a house with a number '2' inside & a person leaving the house. This is asking what time you want the heating to be turned **off**. Press the hour and minute buttons to select the desired "off" time. e.g. 08:00.

Step 3. To select the second on time, press the program button again. The display will now show at the bottom of the screen a house with a number '3' inside & a person returning home. This is asking what time you want the heating to be turned **on** for a second time in the day. You can have just one on and one off in a day if you wish & if so just press the clear button so no time is set for this program. If you wish to set a second on time, press the hour and minute buttons to select the desired on time. e.g. 16:00.

Step 4. To select the final off time, press the program button again & the display will now show at the bottom of the screen a house with a number '4' inside. This is asking what time you want the heating to be turned **off** for a second time in the day/days. e.g. 21:00, again press the hour & minute buttons to select the required time. If you only want one on/off per day, just press the clear button so that no time is entered for this program.

This completes programming of the times.

Step 5

Press the mode *return* button. This will take you out of programming and back to the main screen. If the current time is within an on cycle there may be a slight delay of up to 20 second before the heating will activate.

TO SET THE TEMPERATURE FOR PROGRAM TIMES

The current model of the TH115 thermostat can be switched between **FLOOR sensor** (F displayed on screen) and **AIR sensor** with floor limit (AF). Most people prefer to set the floor temperature, but if you wish to switch between the two, please see item 2 (configuration) on manufacturers instruction. Switch 3 on the face plate will switch between floor sensing & sir sensing.

Using the up and down arrow keys set the temperature you want for the on cycle. e.g. 26°C. Then **press and hold the Sun button** for a few seconds. The display will show a sun symbol in the centre of the screen, indicating that the “on” temperature has been set.

Repeat the procedure above to set the temperature for the off cycle. e.g.. 18°C **by pressing and holding the half moon button**. The display will show a half moon symbol in the centre of the screen, indicating that the “off” temperature has been set.

The suitcase symbol is for when you go on holiday or for use in the summer time when you are not using the system. This can set as low as 5°C. To set the temperature for the vacation cycle. e.g. 5°C. **by pressing and holding the Suitcase button**. The display will show a suitcase symbol in the centre of the screen, indicating that the “vacation” temperature has been set.

When you have finished setting the temperatures & times, press the mode button & ensure the clock is displayed. **If the clock is flashing, simply press mode once more & it will stop flashing.**

RECOMMENDATIONS

If you floor heating is installed in a **bathroom**, we would recommend setting the timer for early morning (say 0400 hrs) so that the room is comfortable when you get up & then depending on your location/comfort levels, set the off time & second on/off time to suit your lifestyle.

For under-tile or in screed heating we would recommend setting the timer to start approx 1-2 hours before you are usually in the room

If you have **floor heating installed in the slab** it will usually take several hours to heat up & so this is particularly well suited to using a smart meter to take advantage of ‘off peak’ prices. If you have a smart meter, we recommend that you operate the heating overnight to coincide with the lowest energy cost – the heat will then be stored in the slab for several hours & may not need to come on again until the following night. Current Synergy off-peak times are 2100hrs – 0700 hrs, so this is what you should chose as program 1 & 2 times (or say midnight to 0700 hrs if you are not usually up late)

If you are using floor heating as your only heating, then during cold spells you may need to ‘boost’ the heating in the afternoon so that the house remains warm during the evening. To do this we would recommend that you set the second on/off times (program 3 & 4) from say 1500 hrs – 1700 hrs. This is the ‘shoulder’ rate & is currently around the same cost as the standard tariff – this should give you a comfortable room for the rest of the evening until the main off-peak time starts again.

With a smart meter, you should always try to avoid operating the heating during the peak winter times of 1700 – 2100 hrs Monday-Friday. Weekends are of course at a reduced rate during the day & night.

If you require any assistance, please contact Radiant Floor Heating, Wangara on 08 9302 4140