



Programmable Thermostat

Easy Programming Guide



Setting the Time & Day

- Step 1** Press the **SET** button once and the hour will flash on the display.
- Step 2** Set the hour by pressing the ▲ or ▼ arrow until the correct hour has been achieved. Hold the arrow down to set the hour faster.
- Step 3** Once you have selected the correct hour press **SET** again and the minutes will now flash.
- Step 4** Set the minute by pressing the ▲ or ▼ arrow until the correct minute has been achieved. Hold the arrow down to set the minutes faster.
- Step 5** Once you have selected the correct minutes press **SET** again and the day of the week will now flash. The days of the week are represented as numbers 1-7, 1-5 being Monday to Friday and 6-7 being Saturday and Sunday.
- Step 6** Set the day of the week by pressing the ▲ or ▼ arrow.
- Step 7** Once you have selected the correct day of the week press OK to finish.

Setting into a Permanent Manual Mode

(Indicates Permanent Manual Mode) 

Setting the controller into a Permanent Manual Mode will allow you to set a target temperature you want the floor to achieve. Once the target temperature has been achieved it will maintain this temperature until you either switch it off using the ON/OFF button below the screen or alter your target temperature.







- Step 1** To set the controller into a Permanent Manual Mode press and hold the **OK** button for 3 seconds. A hand symbol  will appear to indicate it is set into a manual mode.
- Step 2** Set the target temperature by pressing the ▲ or ▼ arrow until you reach your target temperature and press the OK button. The  symbol indicates that the thermostat is sending power to the heater.

Note: If you would like to exit Permanent Manual mode and return to a programmed schedule  press the **OK** button.

Setting into a Temporary Manual Mode

(Indicates Temporary Manual Mode)  

Setting the controller into a Temporary Manual Mode will allow you to set a target temperature you want the floor to achieve. Once the target temperature has been achieved it will maintain this temperature until your next programmed period.

Step 1 When the controller is in a programmed mode  press the  or  arrow to set your target temperature and press **OK**. The symbols   will appear to indicate that it is set into a Temporary Manual Mode. The  symbol indicates that the thermostat is sending power to the heater.

Note: If you would like to exit Temporary Manual Mode and return to a programmed schedule  press the **OK** button.




How to set a program



(Indicates Programmed Mode) 




The thermostat is set so that you can program 5 weekdays as a block and Saturday and Sunday separately. There are 6 programmed periods per day which must be set. This can be changed in the advanced settings to set each day individually and set 4 programmed periods per day. See page 3 for information on how to access the advanced settings



Step 1 To set a program press and hold the **SET** button until the 1 2 3 4 5 Block starts flashing.




Step 2 Press the **SET** button again and the clock will begin flashing. You can now begin setting the time for the 1 2 3 4 5 Block (Mon-Fri).



Step 3 Press the  or  arrow to set the time for the **FIRST PERIOD**  of the day. For example this would be the time you would like the heating on first thing in the morning.
















Step 4 Press the **SET** button again to set the target temperature. An adequate temperature would be anywhere between 24-28°C. Use the  or  arrow to set the temperature.

Step 5 Press the **SET** button again to move onto the **SECOND PERIOD** . This would be when you would want to turn off your heating in the morning. Press the  or  arrow to set the time you want the heating to switch off.





Step 6 Press the **SET** button again to set the setback temperature. Anything below 16°C and the underfloor heating will not come on. Use the  or  arrow to set the temperature.

Step 7 Press the **SET** button again to move onto the **THIRD PERIOD** . This would be when you would want to turn on your heating on in the afternoon. Press the  or  arrow to set the time you want the heating to switch on.

Step 8 Press the **SET** button again to set the target temperature. An adequate temperature would be anywhere between 24-28°C. Use the  or  arrow to set the temperature.

- Step 9** Press the **SET** button again to move onto the **FOURTH PERIOD** . This would be when you would want to turn off your heating in the afternoon. Press the  or  arrow to set the time you want the heating to switch off.
- Step 10** Press the **SET** button again to set the setback temperature. Anything below 16°C and the underfloor heating will not come on. Use the  or  arrow to set the temperature.
- Step 11** Press the **SET** button again to move onto the **FIFTH PERIOD** . This would be when you would want to turn on your heating on in the evening. Press the  or  arrow to set the time you want the heating to switch on.
- Step 12** Press the **SET** button again to set the target temperature. An adequate temperature would be anywhere between 24-28°C. Use the  or  arrow to set the temperature.
- Step 13** Press the **SET** button again to move onto the **SIXTH PERIOD** . This is the final period. This would be when you would want to turn off your heating at night. Press the  or  arrow to set the time you want the heating to switch off.
- Step 14** Press the **SET** button again to set the setback temperature. Anything below 16°C and the underfloor heating will not come on. Use the  or  arrow to set the temperature.
- Step 15** Saturday & Sunday (6 & 7) will have to be programmed separately. Repeat **Steps 3-14** to program Saturday & Sunday.

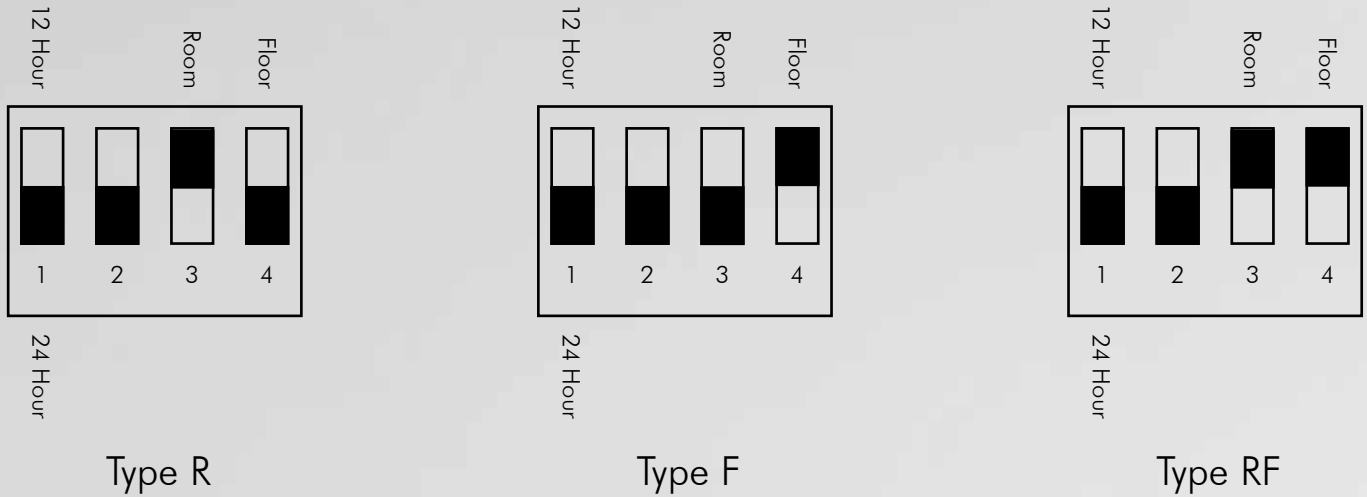
Advanced Settings

To access the advanced settings simply **PRESS** and **HOLD** the  &  arrow. You will be in advanced settings when you see CL in the top right hand corner and a 0 underneath. To cycle through the advanced settings press **SET**. Press the  or  arrows to alter the settings. Press **OK** to exit

Brackets indicates the factory default setting	Description
CL (0)	Allows you to alter the display temperature by +/- 4°C
BL (1)	Allows you to turn the backlight on or off, 1 being ON and 2 being OFF
AH (35 °C)	This option will let you set the maximum temperature you would like to set the floor (F) or air sensor to (R/RF) to. Maximum for floor (F) is 20-60°C air (R/RF) is 20-35°C
FL (5 °C)	This option will let you set the minimum temperature you would like to set the floor (F) or air sensor to (R/RF) to. Minimum for floor (F) and air (R/RF) is 5-20°C
FH (40 °C)	This option lets you set the floor sensor temperature limitation 20-60°C
HE (FA)	Allows you to set Fast Heating (FH) or Slow Heating (SH)
PS (3)	Allow you to turn off programming (0), program 5 days (Mon-Fri) as a block and Saturday and Sunday individually (3) or program 7 days individually (7)
CS (6)	Allows you to set 4 programmed events per day (4) or 6 events (6)
Ld (H)	Allows you to set the output load

Configuration Switch

Remove the control panel from the base. There is a configuration (dip) switch at the back of the PCB on the rear of the control panel. See image below for configurations.



1) Select displayed clock format

Set the switch to 24 - hour. Display will show 24 hour.

Set the switch to 12 - hour. Display will show 12 hour.

2) Select type of heating

When installing the thermostat you need to choose the type of heating and thus which sensors should be used. See above.

You have three options:

- Type R: Room Thermostat

Application: Control via room sensor in the thermostat, no floor sensor installed

The unit will be controlled via the room sensor in the thermostat, and the thermostat will activate/deactivate the heating by comparing set temperature with room temperature. Press ▲ to adjust the thermostat setting to 1°C above room temperature. The heating will begin to operate after the backlight goes out.

- Type F: Floor Sensor

Application: Floor sensor is present, and installed

The unit will be controlled via an external floor sensor. It will activate/deactivate the heating by comparing set temperature with the actual floor temperature. Press ▲ to adjust the thermostat setting to 1°C above floor temperature. The heating will begin to operate after the backlight goes out.

- Type RF: Room Sensor / Floor Sensor

Application: Control room via sensor in the thermostat and an external floor sensor

The thermostat will activate/deactivate the heating by comparing the set temperature with the actual room temperature and comparing the pre-set floor temperature limit with the actual floor temperature. The factory default maximum is 40°C. You can change it in advanced settings, see above.

If the floor temperature is above the upper limit, the heating will stop working. E3 will be displayed, indicating that the floor temperature is above the upper limit.

If the floor temperature is below the lower limit, the heating will start working. E4 will be displayed, indicating that the floor temperature is below the lower limit.