

# Setting up your devireg™ 550 programmable thermostat with your deviheat system

If the thermostat is displaying 'CODE', initially you will ONLY be presented with step 1 and step 4, set these as described below.

Once you have either completed steps 1 and 4, or the controller is displaying something other than 'CODE', you must press and hold the button until the word 'CODE' is displayed and follow the steps below:

Step 1-Setup code                      Rotate button to select code 0044 and then press button once.



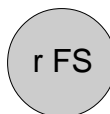
Step 2-Operating mode                Rotate button to select 'ALO' and then press button.

Step 3-Temperature  
readout

Rotate button to select °C and then press button.

Step 4-Sensor selection

Rotate button to select 'rFS' to activate the floor sensor, then press button (not rFs or rs).



Step 5-Maximum floor  
temperature selection

At 'nt' rotate button to select either of the following temperature selection maximum floor temperatures, then press button.



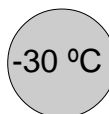
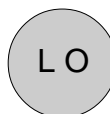
Tiles on timber based floors            27-31°C  
 Tiles on concrete based floors        40°C  
 Timber covered floors (parquet etc.) 27°C

Step 6-Offs

Ignore this setting and press the button to continue

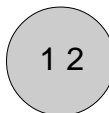
Step 7-Off periods

'LO' should be displayed, you should rotate dial to select -15°C, then press button.



Step 8-Clock display


Rotate button to select clock display as either 24 hours or 12 hours AM/PM.



Press button once.

*(If the controller is now displaying 'CODE', disconnect the power to the controller and then reconnect)*

**Now you can set the time and day on the controller.**

Step 9-Setting of clock                Press and hold button until  is displayed in bottom left corner. The display now shows the time and day (number 1 represents Monday, number 7 is Sunday). Rotate the dial to show the correct time and day of the week and then press the button to save the correct time setting.

\*If any steps are skipped, hold button until word 'CODE' is displayed to reset controller and start again at step 1.

**Finally you can now set how you wish the controller to operate.**

You can operate the controller in either **Manual** or **Timer Mode**, by pressing the button you can toggle between these two modes.

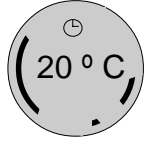
**Manual Mode**


In this mode the temperature set on the display is maintained 24 hours a day, i.e. no timing facility and therefore no '🕒' displayed. Whilst in manual mode, if you rotate the dial to 5.0 then turn the dial further anti-clockwise, the thermostat will switch off and display 'OFF'.

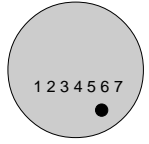


**Timer Mode**

On the timer program, the controller switches on and off as programmed. With this mode you tell the controller **at what time of day you want a warm floor** and then using its intelligence, the controller learns how long your floor takes to warm up.

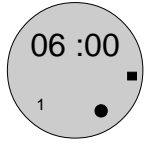


Step 10 Enter timer mode Press and hold button until  is displayed in bottom right corner.



Step 11 Select first day Rotate button to display the first day you wish to program and then press button.

Step 12 First start time Rotate button to indicate the start of the first time period when you want a warm floor (i.e. 06:00) and then press the button.



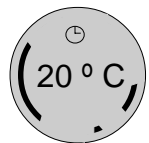
Step 13 First end time Rotate button to highlight duration of first warm floor period, then press button to indicate the end of first time period (i.e. 07:30).



Step 14 Continue Rotate button to indicate next warm floor start time, press the button, rotate to the end of the period and press button again. Continue this through the whole week.



Step 15 Save program To save programs, press and hold the button to return to the normal display. By pressing the button once you can now toggle between manual and timer modes.



Step 16 Set floor level The button now controls the air temperature of your **deviheat** system. The controller can be adjusted to the required air temperature on a range of 5-35°C. The displayed air temperature is what the controller will provide at the times programmed.

# System Trouble Shooter

The following is here for your guidance should you experience any problems with the heating system.

No.	Test	Expected Outcome	Action
1	Check for a 230V supply to the thermostat on terminals 1 and 2.	230V	If no voltage present, connect supply.
2	Rotate thermostat dial to position 10 and test for a 230V output on terminals 3 and 4. You may have to wait 1-2 minutes for the thermostat to switch.	230V	Firstly, check resistance of floor sensor first (step 3). If floor sensor is normal, the thermostat is faulty - contact your supplier.
3	Turn off power to thermostat and test resistance of floor sensor.	10-20k Ohms, depending on temperature of floor.	If sensor is faulty, call your supplier for replacement.
4	Turn off power to thermostat and test resistance of the <b>devimat</b> ®.	35-550 Ohms, depending on cable size (see cable label).	If mat is faulty, the mat has been damaged, contact your supplier.
5	Turn off power to the thermostat and ensure there is no continuity between the conductors and the earth screen.	No continuity.	If there is continuity between the conductor and screen, the mat has been damaged, contact your supplier.

## devireg™ 550 Controller Trouble Shooter

If the outer ring on the **devireg** 550 controller is flashing you have a fault, note the small number at the bottom of the display and follow the procedures below:

Fault	Possible Cause	Action
<b>devireg</b> 550 controller indicating error No. 2.	Unit configured as a master, but can detect another master unit	Only one unit may be configured as a master-see programming instructions.
<b>devireg</b> 550 controller indicating error No. 3.	Unit configured as a slave but, cannot detect another master unit	Only one unit may be configured as a master-see programming instructions.
<b>devireg</b> 550 controller indicating error No. 4.	The thermostat is over heating	Let the thermostat cool down and ensure the thermostat has been wired as stated in instructions.
<b>devireg</b> 550 controller indicating error No. 5.	Sensor fault-floor sensor short-circuit	Ensure the floor sensor resistance is between 10k-24k Ohms.
<b>devireg</b> 550 controller indicating error No. 6.	Sensor fault-floor sensor open-circuit	Ensure the thermostat has been wired as stated in instructions and that the floor sensor has a resistance reading of 10k-24k Ohms.
<b>devireg</b> 550 controller indicating error No. 7.	Clock not adjusted	Set the clock.
<b>devireg</b> 550 controller not working at all.	No power Wiring incorrect or faulty unit	Check the thermostat wiring-see <b>devimat</b> ® Fault Finding Guide.

**IF AT ANY POINT THE CONTROLLER IS FUNCTIONING INCORRECTLY PLEASE TURN OFF THE POWER AND RESET THE CONTROLLER.**

**SHOULD YOUR QUALIFIED ELECTRICIAN EXPERIENCE ANY DIFFICULTY PLEASE DO NOT HESITATE TO CONTACT YOUR SUPPLIER**