

# Setting up your Devireg™ 550 programmable thermostat with your devimat™ 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 'FS' to activate the floor sensor, then press button (not rFs or rs).

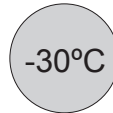
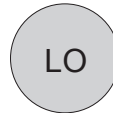


Step 5-Maximum floor temperature selection      At 'nt' rotate button to select either of the following temperature selection maximum floor temperatures, then press button.

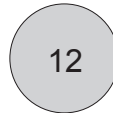


- Tiles on timber based floors      29°C
- Tiles on concrete based floors      40°C
- Timber covered floors (parquet etc.)      27°C

Step 6-Off periods      'LO' should be displayed, you should rotate dial to select -30°C, then press button.




Step 7-Clock display      Rotate button to select clock display as either 24 hours or 12 hours AM/PM.



Step 8-Save settings      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 level 1.0 then turn the dial further anti-clockwise, the thermostat will switch off and display 'OFF'.




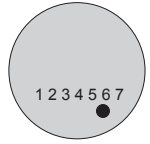
**Timer Mode**

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 heat level of your Devimat™ system. The controller can be adjusted to the required heat level on a range from 1-10, level 10 being the maximum floor heat. The displayed heat level is what the controller will provide at the times programmed. It is recommended that you initially set to level 5, then adjust to suit.

# Devimat™ Trouble Shooter

Should you experience any problems with the Devimat™ not warming the floor, before calling DEVI, the following tests should be carried out:

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. This may take a few minutes to switch on.	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 $\square$ , 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 devimat™.	27-550 $\square$ , depending on mat size (see mat label).	If mat is faulty, the mat has been damaged, contact your supplier.
5	Turn off power to 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	Solution
Devireg™ 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 550 programming instructions.
Devireg™ 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 550 programming instructions.
Devireg™ 550 controller indicating error No. 4.	The thermostat is over heating	Let the thermostat cool down and check the wiring.
Devireg™ 550 controller indicating error No. 5.	Sensor fault-floor sensor short-circuit	Check the floor sensor wiring and check for a resistance reading of 10K - 24K Ohms.
Devireg™ 550 controller indicating error No. 6.	Sensor fault-floor sensor open-circuit	Check the floor sensor wiring and check for a resistance reading of 10K - 24K Ohms.
Devireg™ 550 controller indicating error No. 7.	Clock not adjusted	Set the clock.
Devireg™ 550 controller not working at all.	No power Wiring incorrect or Faulty unit	See devimat™ Trouble Shooter above.

**IF AT ANY POINT THE CONTROLLER IS NOT FUNCTIONING CORRECTLY PLEASE TURN OFF THE POWER AND RESET THE CONTROLLER.**