

RADIANT HEATING TS8100 SERIES THERMOSTAT SET UP

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The TS8100 series of thermostats are supplied with detailed programming instructions, but we have made a few suggestions below regarding the programming:

SET UP / CONFIGURATION

The TS8100 is pre-configured ready to program, however if you wish to change any of these turn power OFF & the press MENU – this allows you to change:

Menu 01 – Floor or Air sensing (default is floor)

Menu 02 – Maximum floor temp (default 28 deg) – recommended to change to 25 deg c with timber floors

Menu 03 – 5+2 or 7 days (i.e. different time settings at the weekend or same for all 7 days)
Once complete press **DONE** to store & exit

To program times & temperatures use press **SCHEDULE** then press **ALL DAYS** so you only have to do it once

Depending on your installation you will need to allow sufficient time for warm up, for example in a small cold bathroom with external walls & large windows you will need to turn on earlier than in a well-insulated room

Recommended temperatures would be:

Living areas – ON TEMP – 22-25 deg C floor temp

Bathrooms – ON TEMP – 24-27 deg C floor temp

'OFF' temp – 19-20 deg to hold a little bit of heat in the floor, especially with in-slab heating

IMPORTANT NOTES: - IN SLAB HEATING OR HEATING IN THICK SCREED:

If you have in-slab heating, the heat will be stored in the thermal mass of the concrete slab, so there is a longer warm up & cool down period so the best way to operate it is as follows:

Using standard A1 tariff

If you have A1 tariff we would recommend setting the system to come on for around 2-3 hours early morning & then a couple of hours early evening depending on your lifestyle, however for large heated areas we recommend that you consider P.V. solar panels and/or switching to the Synergy Smart Home Tariff

P.V. Solar Panels

If you have solar panels then set the second on times to coincide with when you are generating most power which would generally be between 10am-4pm. If you have multiple zones then setting each zone for 2-3 hours & staggering them during daylight hours will give you the best economy with solar panels. Depending on the insulation level of the property & if you are using the heating as primary heating or not, you may also need to program the heating to come on for a couple of hours in the early morning to maintain the desired slab temperature.

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With Smart Home Tariff (Synergy Energy)

If you do have the Smart Home Tariff (time of use tariff which is much cheaper at night), you should set your main times of operation during the night/ early morning OFF PEAK tariff which operates from 2100 to 0700 hrs so that you use cheap electricity to store as heat in the slab. For most homes, running the heating for approx. 3-4 hours in the early morning from say 0300/0400 – 0700 hrs will be ideal. This will usually be sufficient & will keep the home warm most of the time, but if your house has a lot of glass/high heat loss, or during cold periods, you may also wish to add an afternoon 'boost', in which case you should add a second program time during the shoulder rate from say 1400 – 1500 hrs. The slab should then retain sufficient heat to keep the room comfortable for the evening

Under floor heating should be capable of providing a primary home heating source in most cases, but if it is installed over a large floor area it does need to be used correctly for economical use. We recommend that you set the temperatures to the minimum you feel comfortable with (e.g. 22-24 deg floor temp) & then adjust upwards if necessary.

If you have any questions, please call **Radiant Heating on 08 9302 4140** or refer to the website for a set up

video: <http://www.radiantheating.com.au/videos/index.html>

You can find details on the current times & pricing for the Synergy Smart Home Tariff here:

file:///C:/Users/dave.spray/Downloads/SYn3788467_SmartHomePlanBrochure.pdf