

## Better control = Higher efficiency

It is very easy for someone with basic knowledge to put something together that will heat your home but without the correct control features you could very easily end up with big energy bills and inadequate heat.

In all European countries and North America Heating engineers are formally trained. Building code in these countries requires specified levels of efficiency and control to be applied. Unfortunately, here in New Zealand no code is in place and plumbers receive no formal training for a hydronic heating systems. In fact for most aspects of heating installation no qualification is legally required !

Because of this there are many contractors actively installing heating systems without the depth of knowledge required to fully understand and apply good system design or control feature principals.

A heating system should have control to suit 1/ The use patterns of the occupants 2/ the buildings construction and layout 3/ that optimise efficiency 4/ most importantly are understood and therefore used by the homeowner.

With underfloor systems the more you can separate up the house into control zones the better the efficiency. Every bedroom should be its own control zone, as should each isolatable area of living space. It can even be advantageous to have two controls over a large area of open plan living.

*For example; there is nothing more frustrating for the end user who wants a warm tiled floor in the en-suite but can't have it without the bedroom being on and uncomfortably warm.*

Underfloor controls come in various forms often very simple air sensing thermostats are used though the better option are those with programmable daily settings and fitted with the option of floor and/or air sensing.

In Radiator Systems even when thermostatic valves are used Radiator systems should always incorporate a master programmer/thermostat. If you really want the best efficiency it is even possible to introduce individual room by room time control to radiator systems

Our business is built on our depth of heating knowledge and expertise. We can help identify and specify controls that will give you the features you require and efficiency you need.

**Nothing turns a house into a home better than warmth and comfort of a heat IQ System**

**We Know Heating**