

Product Specification Guide 2014

Radiator Manifold Design Guide 2014

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To specify a radiator manifold design please use the following guide:

A radiator manifold is essentially a distribution manifold. They can be supplied two different ways.

- With individual room thermostats (multi zone)
- With a master thermostat and customer supplied thermostatic radiator valves on each radiator (single zone)

If the customer requires individual room thermostats then the system components are as follows:

- Appropriately sized distribution manifold
- Wiring interlock centre
- Correct number of thermostats
- Pipe and appropriate tools required
- Correct number of radiator fittings

If the customer requires a master thermostat and individual thermostatic radiator valves the components are as follows:

- Appropriately sized single room distribution manifold
- Programmable room thermostat
- 10 way junction box
- Pipe and appropriate tools required
- Correct number of radiator fittings

If the system is requires multiple manifolds they must designed like our underfloor heating. I.e. a control box per manifold or a programmable thermostat per manifold in the case of a single zone system.

To specify these systems the following simple steps need to be taken:

- 1. Confirm the control method (this determines the manifold type and number of stats)**
- 2. Confirm the number of zones / rooms (this is the number of thermostats)**
- 3. Confirm the number of radiators (this is the number of loops on the manifold)**
- 4. Confirm the length of pipe required by the customer (if this cannot be done by the customer then a set of plans will be required and it can then be added up using either a scale rule or a scalex)**
- 5. Use the table supplied to help specify the components easily**

