



ISSUE 1 - No heat to any zone

Symptom	Problem	Solution
No heat in any zone	UFH system not turning on	Ensure the UFH controls are programmed correctly, and the heat source is able to provide hot water for the programmed period
	Heat source or UFH circulator not operating correctly	Ensure at least one thermostat is demanding heat and that the switched live to the heat source is livened according to demand
	Valves closed	Ensure isolation valves are open (primary/circulator), the flow gauges are correctly balanced and the thermostatic actuators are opening on demand (a blue band will be visible as the actuator cap raises)

ISSUE 2 - Some zones are not getting warm

Symptom	Problem	Solution
Some zones do not become warm	Air lock within the pipes	Refer to the Manifold Manual, Step '7 - Circuit Filling & Purging', for more information
	Manifold incorrectly balanced	Refer to the Manifold Manual, Step '9 - Circulator Connection & Circuit Balancing', for more information
	Actuator faulty	Ensure the thermostat for this zone is demanding heat and that the signal to the actuator is livened according to demand. If signal voltage is present, replace actuator.
	Crossed controls	Ensure the thermostats are controlling the correct circuits

ISSUE 3 - Zone takes a long time to heat up

Symptom	Problem	Solution
Zone taking a long time to warm up	Manifold incorrectly balanced	Refer to the Manifold Manual, Step '9 - Circulator Connection & Circuit Balancing', for more information
	Flow temperature set too low	Refer to the Manifold Manual, Step '12 - Temperature Settings', for more information
	High heat losses	Some rooms and combination of floor finishes will have higher heat losses than others. Which will take longer to heat. The effects can be compensated for by setting the heating to come on for longer in these zones



Detailed Troubleshooting

<i>No heat in any zone</i>	<ol style="list-style-type: none"> 1. Check thermostat/controls are set 'on' 2. Check the heat source is operating and supplying heat to the UFH system 3. Check the primary isolation valves are open 4. Check the mixing unit bypass is closed 5. Check circulator isolation valve is open 6. Ensure flow gauges are balanced correctly (Refer to the Manifold Manual, Step '9 - Circulator Connection & Circuit Balancing', for more information) 7. Check isolations caps are open. If actuators are fitted, check operation and signal voltage
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<i>Some zones do not become warm</i>	<ol style="list-style-type: none"> 1. Ensure any trapped air has been expelled from the system (Refer to the Manifold Manual, Step '7 - Circuit Filling & Purging', for more information) 2. Check zone thermostat/controls are set to constant 3. Check zone flow gauge is balanced correctly (Refer to the Manifold Manual, Step '9 - Circulator Connection & Circuit Balancing', for more information) 4. Check circuit isolator cap is open. If actuator fitted check operation and signal voltage. 5. Check circuit pipework and actuator wiring are correct
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<i>Zone taking a long time to warm up</i>	<ol style="list-style-type: none"> 1. Check zone flow gauge is balanced correctly (Refer to the Manifold Manual, Step '9 - Circulator Connection & Circuit Balancing', for more information) 2. Check the circulator is operating while the zone thermostat is demanding for heat 3. Check the zone isolating cap is fully open 4. Check zone actuator is fully opening (a blue band will be visible as the actuator cap rises)
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