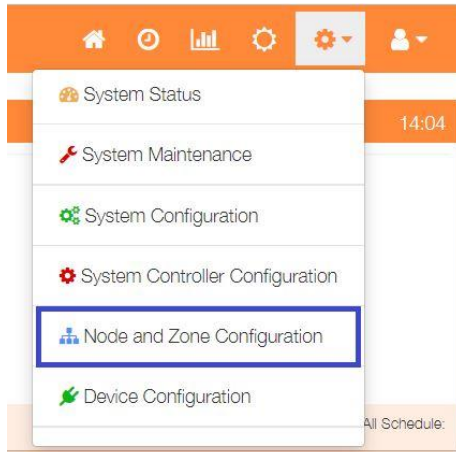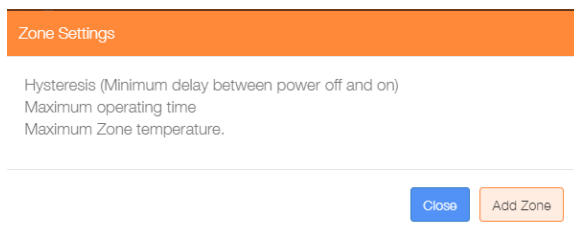# MaxAir Zone Setup

The example configuration will have two zones, one for the Central Heating and a second for the Hot Water. If we were setting up a HVAC system then there would only be a single zone.
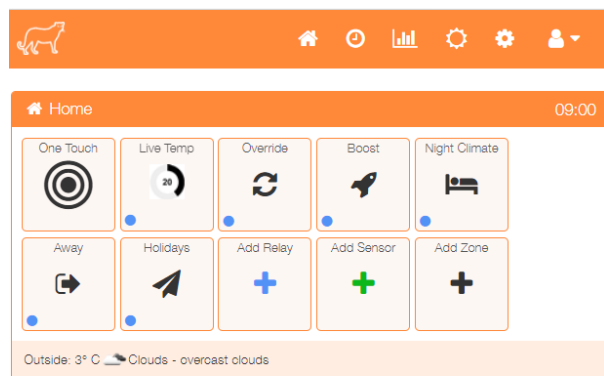

To display a list of any currently configured sensors, select 'Node and Zone Configuration' from the Settings dropdown list, then click the 'Zones' button.

Click on the 'Add Zone' button to configure the first zone.

An alternative method to go directly to the Add Zone dialogue, is from the Home screen click on the 'One Touch' button then select the 'Add Zone' menu item.

MaxAir - Smart Thermostat 0.1 - Build Beta 4.0

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There are currently five types of zone, Heating, Water, Immersion, Lamp and HVAC. The configuration of the Add Zone dialogue will depend on the type of zone selected. Immersion type zones will disable 'System Controller' selection, HVAC type zones will enable a 'Minimum Temperature' field, while Lamp type zones will disable all temperature sensor related selections, together with the 'System Controller' selection, as these parameters do not apply to these zone types.

The example below shows a typical Heating zone configuration. A similar configuration would be used for the hot water zone. Once the parameters have been entered, click on the 'Submit' button.

Edit Zone: Central Heating   20:23

☑ **Enable Zone** Enable this Zone if you want this Zone to be controlled

Index Number In the List of Zones where you want to place this Zone on the home screen

> 1

Zone Name Zone display name

> Central Heating

Zone Type Zone type i.e. Heating, Hot Water or Electrical Immersion

> Heating ⌄

Default Temperature Default temperature this Zone, used when no scheduled temperature is active.

> 25

Maintain Default Temperature Maintain Zone Default Temperature when no Schedule is Active

> No ⌄

Maximum Temperature Maximum temperature this Zone can reach before Zone heating will shut-off for safety

> 25

Setpoint Deadband Check link for Deadband

> 0.5

Primary Temperature Sensor Node ID for the Sensor

> Central Heating ⌄ ➕

Secondary Temperature Sensor Node ID for the Sensor

> Bedroom 1 ⌄ ✖

Zone Controller ID Select Zone Controller Type and Number

> Central Heating ⌄ ➕

Boost Button ID Boost console if you have any

> 0 ⌄

Boost Button's Child ID Boost button number if you have any

> 0 ⌄

System Controller

> 50-Gas Boiler Controller Relay Node ID: 23 ⌄

[Submit] [Cancel]

Outside: 23° C 🌥 Clouds - few clouds

Note: It is possible to attach both multiple Sensors and Zone Controllers.

In the case of multiple sensors, the control temperature will be the average calculated from the individual sensor readings. If a 'Fail Timeout' has been set for a sensor and it fails to report within this period, then it will be removed from the average calculation. The Zone will be suspended if all attached sensors, which have a non zero 'Fail Timeout' fail to report.

Repeat the process to add any other zones.

Re-selecting the Zone menu item from the Settings/Node and Zone Configuration menu will display the updated list of currently configured zones.

This dialogue can be used to Add/Delete/Edit the zone configurations.