


## MaxAir – Frost Protection

MaxAir includes functionality to protect the Heating/HVAC system from extreme low temperature environmental conditions.

The system works by setting a low temperature trigger for one or more temperature sensors and then associating a controller relay or relays to be activated if the trigger temperature is reached.

Frost Protection can be activated when a temperature sensor is Added or Edited

 Add Sensor

09:54

☐ Before System Controller When Sensor is NOT Allocated to a Zone, Locate Tile either Before or After the System Controller Tile on the Home Screen

Index Number In the List of sensors where you want to place this sensor on home screen

4

Sensor Type Temperature, Humidity, etc

Temperature

Sensor Name Select either Outside Weather or Sensor to be used to calculate the Start Time Offset Applied.

Central Heating

Sensor ID Node ID for the Sensor

20 - Temperature Sensor

Sensor Child ID Node Child ID for the Sensor

0

Mode Sensor Readings Captured either Continuously or Only on Value Change

Continuous

Sensor Correction Factor Positive or Negative Correction Factor


0.00

Frost Protection The System will protect itself against frost, To Disable protection you can set the temperature to 0

3

Frost Controller The zone controller to be activated when frost protection is triggered by this temperature sensor.


Central Heating



Fail Timeout Maximum interval in Minutes before the device is considered to have failed to reported. Fault monitoring is disabled for the device if Timeout is set to 0.

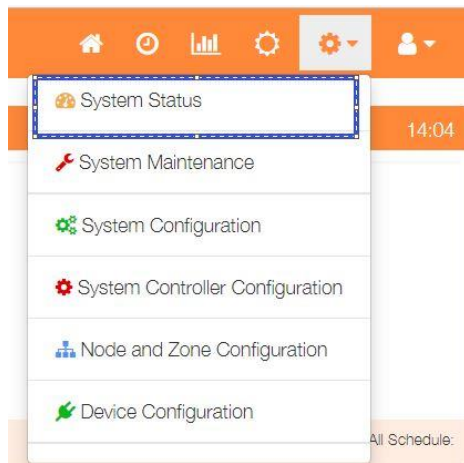
0

Submit Cancel

Outside: 13° C  Clouds - few clouds

Set the trigger temperature or 0 to disable

Select controller relay/s to be activated by the trigger



The Frost Protection configuration can be view by selecting 'System Status' from the Settings dropdown list, then click the 'Frost' button.

The status indicator in the lower left-hand corner of the 'Frost' tile will show the current state of Frost Protection:

- **Blue** – No Frost Protection
- **Red** – One or more zones in Frost Protection mode



This example shows the Hot Water Sensor triggering the Hot Water Zone at 3°

The Ground Floor Sensor triggering the Ground Zone at 5°. The Ground Floor Zone is also triggered by the Garage Sensor at 10°

The Status indicators show that Frost Protection is currently active, triggered by the Garage Sensor.

Frost Protection			
Show Temperature Sensors used for Frost Protection, the Trigger Temperature and the associated Zone Controller.			
Temperature Sensor	Frost Temperature	Frost Controller	Status
Hot Water	3	Hot Water	●
Ground Floor	5	Ground Floor	●
Garage	10	Ground Floor	●
			Close