

Configuring Device Parameters

Navigation

This can be accessed via the [Device Dashboard page](#).

Overview

On this page, device parameter information is displayed and can be interacted with. This page is split up into 3 tabs, namely:

1. The Overview Tab
2. The View Tab
3. The Edit Tab

The Overview Tab

On this page, device parameter information can be viewed and interacted with.

The screenshot shows the MyFridgeOnline interface. On the left is a sidebar with navigation links: Dashboard, Alerts, Reports, Overview, Devices, Devicepools, Users, and Account. The main area is titled 'Dashboard > SMRT Cold' and has tabs for 'Overview', 'View', and 'Edit'. It shows a summary for 'SMRT Cold' last updated '4 Minutes Ago' with ID '25-031023-123456'. Below this are four green cards: one for '3.8°C Regulation Probe' (Normal, Min 0 Max 10), one for '4.3°C Defrost Probe' (Unconfigured), one for 'Clos...' (Normal), and one for 'On Compressor Relay' (Normal). There are also two grey cards: 'Off Defrost Relay' (Normal) and 'Off Fan Relay' (Normal). A search bar and a filter dropdown are at the top right, and a 'Logout' button is at the bottom left.

Filtering Parameters

Parameters can be filtered by their status by using the drop down menu. The search function also allows further filtering.

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The screenshot shows the 'Dashboard > SMRT Cold' page. On the left is a sidebar with navigation links like Dashboard, Alerts, Reports, Overview, Devices, Devicepools, Users, and Account. The main area has tabs for Overview, View, and Edit. A dropdown menu under 'All' is highlighted with a red box, showing options: All, Online, Offline, Upset, and Normal. Below this are four parameter cards: Regulation Probe (4.3°C, Unconfigured), Defrost Probe (Clos..., Digital Input), Fan Relay (On, Normal), and Compressor Relay (On, Normal).

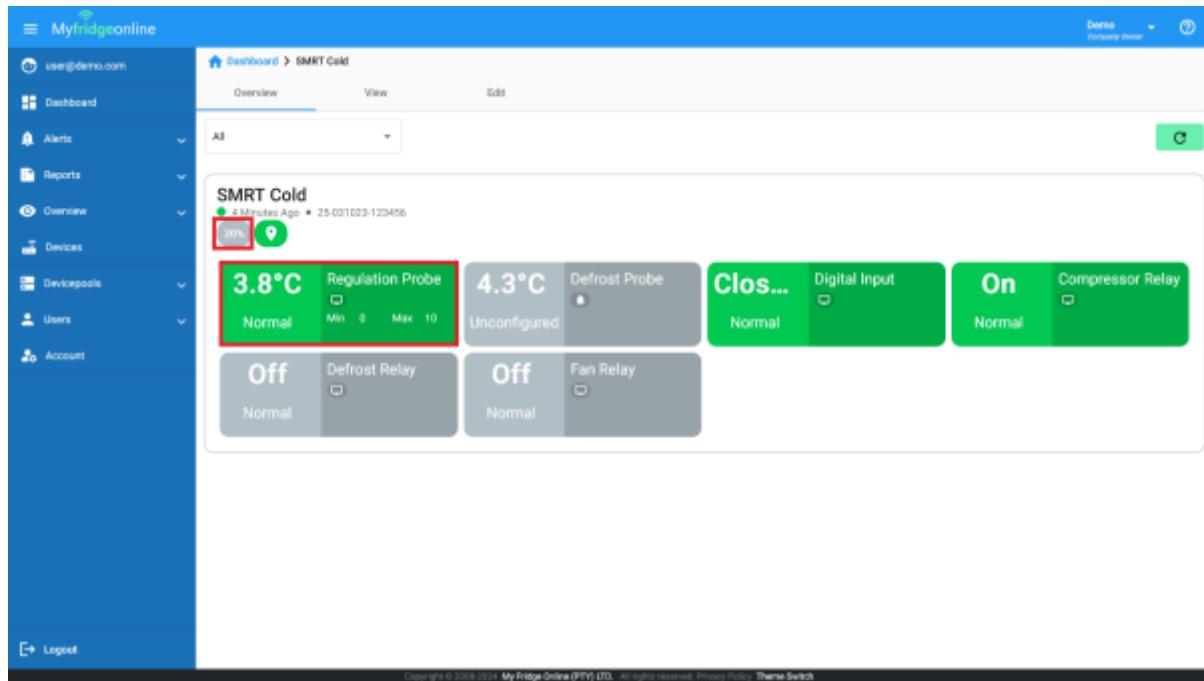
Last Synced Time

The device's last synced time can be viewed here.

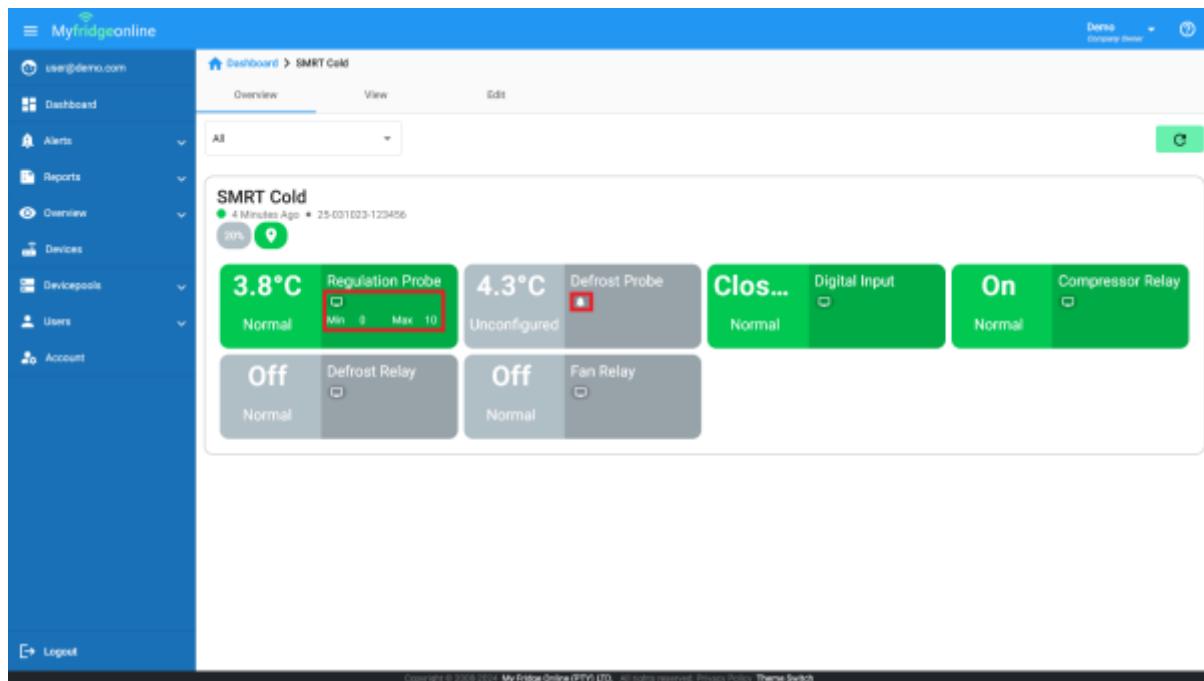
The screenshot shows the 'Dashboard > SMRT Cold' page. The sidebar and main interface are identical to the previous screenshot. Above the parameter cards, there is a timestamp '25-03-2023-123456' with a green circular icon next to it, which is highlighted with a red box. Below this are the same four parameter cards: Regulation Probe (3.8°C, Normal), Defrost Probe (4.3°C, Unconfigured), Fan Relay (Off, Normal), and Compressor Relay (On, Normal).

Parameter Information

Parameters are displayed either on chips or cards. Parameter information can be viewed here such as the parameter name, current value of the parameter, the parameter status and alert configuration. Displayed values are dependent on the template selected. The color of the parameter and the message displayed indicates the parameter's status.



Alert configurations can be viewed here. The bell icon indicates the number of alert groups set, the monitor icon indicates the number of server alerts that are selected and a snooze icon indicates the number of rules that are currently snoozed (this is based on the alert schedule). These are all dependent on the number of rules set on the parameter.



Editing Parameters

Parameters can be selected by clicking on them, the parameter color will change to pink to indicate that it has been selected. Upon selection, a side menu will appear with a number of options (depending on the user role).

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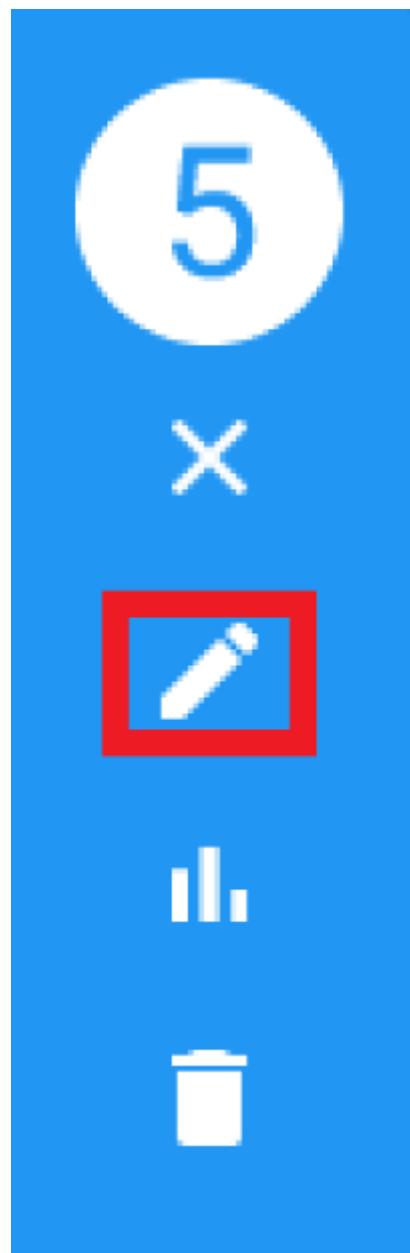
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12:14

The screenshot shows the MyFridgeOnline dashboard interface. On the left is a sidebar with navigation links: Dashboard, Alerts, Reports, Overview, Devices, Devicepools, Users, and Account. The main area is titled 'Dashboard > SMRT Cold'. It displays an 'Overview' section with a status bar showing 'All' (20%), a green dot indicating '18 Minutes Ago', and a location pin. Below this are four status cards: 'Regulation Probe' (3.8°C, Normal), 'Defrost Probe' (4.3°C, Unconfigured), 'Digital Input' (Closed, Normal), and 'Compressor' (On, Normal). Each card has a small edit icon in the bottom right corner. The top right corner of the screen is highlighted with a red box, which contains a green 'C' icon and a blue box with a white '1' icon.

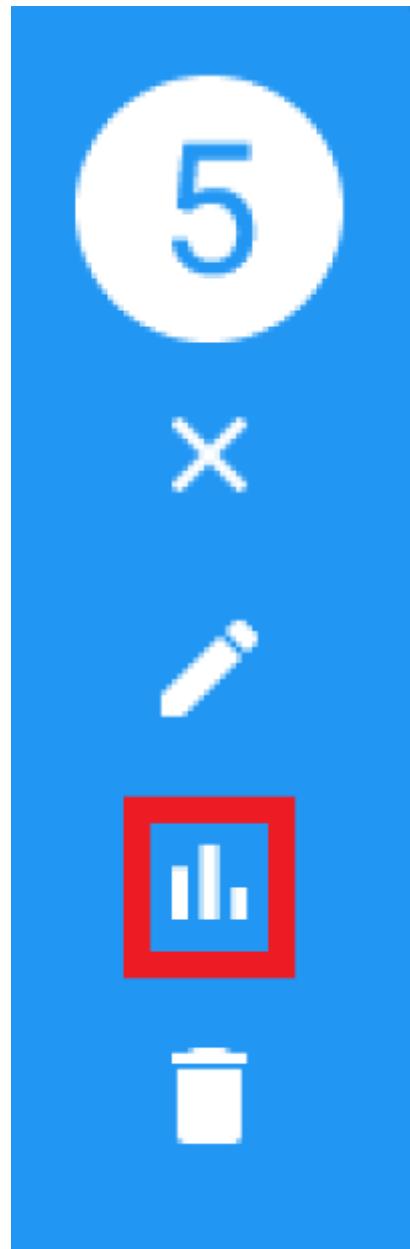
Selecting Cancel will end the selection.



Selecting Edit will open the Parameter Edit dialog.



Selecting Graph will open the Parameter Graph dialog using the current selected parameters information.



Selecting Delete will delete the selected parameters.



The View Tab

The View tab contains read-only parameters displayed within a table. The table displays read-only parameter values, short code, descriptions and alarm configurations. These are grouped and displayed by parameter type.

Select All	Value	Alert Desc	Alarms	Description
<input type="checkbox"/>	23.9°C	10	█	Defrost Probe(Select the SMRTCold Alerts rule to configure alerts generated by the controller)
<input type="checkbox"/>	0	yp01		Digital input status
<input type="checkbox"/>	1	yp02		Compressor relay status
<input type="checkbox"/>	0	yp03		Defrost relay status
<input type="checkbox"/>	0	yp04		Fan relay status
<input type="checkbox"/>	0	yp05		AUX relay status (int or ext)
<input type="checkbox"/>	0	yp06		Defrost status
<input type="checkbox"/>	0	yp07		Continuous cycle status
<input type="checkbox"/>	0	yp08		Set point changed by RTC
<input type="checkbox"/>	23.9°C	yp00		Defrost probe

Filtering Parameters

Parameters can be filtered by their category by using the drop down menu. The search function also allows further filtering.

Select All	Value	Alert Desc	Alarms	Description
<input type="checkbox"/>	23.9°C	10	█	Defrost Probe(Select the SMRTCold Alerts rule to configure alerts generated by the controller)
<input type="checkbox"/>	0	yp01		Digital input status
<input type="checkbox"/>	1	yp02		Compressor relay status
<input type="checkbox"/>	0	yp03		Defrost relay status
<input type="checkbox"/>	0	yp04		Fan relay status
<input type="checkbox"/>	0	yp05		AUX relay status (int or ext)
<input type="checkbox"/>	0	yp06		Defrost status
<input type="checkbox"/>	0	yp07		Continuous cycle status
<input type="checkbox"/>	0	yp08		Set point changed by RTC
<input type="checkbox"/>	23.9°C	yp00		Defrost probe

Alarm Configurations

Alert configurations can be viewed here. The bell icon indicates the number of alert groups set, the monitor icon indicates the number of server alerts that are selected and a snooze icon indicates the number of rules that are currently snoozed (this is based on the alert schedule). These are all dependent on the number of rules set on the parameter.

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Select All	Value	Short Desc	Alarms	Description
<input type="checkbox"/>	0	%th		High temperature alarm
<input type="checkbox"/>	0	%al		Low temperature alarm
<input type="checkbox"/>	0	%ad		Delayed external alarm
<input type="checkbox"/>	0	%dft		Defrost timeout alarm
<input type="checkbox"/>	0	%ahc		High condenser temperature alarm
<input type="checkbox"/>	0	%iea		Immediate external alarm
<input type="checkbox"/>	0	%fp01		Probe 1 fault alarm
<input type="checkbox"/>	0	%fp02		Probe 2 fault alarm
<input type="checkbox"/>	0	%fp03		Probe 3 fault alarm
<input type="checkbox"/>	0	%rtc		RTC fault alarm

Editing Parameter Configuration

Parameters can be selected by clicking on the checkbox within the table, or by selecting an entire category. Upon selection, a side menu will appear with a number of options (depending on the user role). The options displayed here are the same as the Overview tab.

Select All	Value	Short Desc	Alarms	Description
<input checked="" type="checkbox"/>	0	%th		High temperature alarm
<input checked="" type="checkbox"/>	0	%al		Low temperature alarm
<input checked="" type="checkbox"/>	0	%ad		Delayed external alarm
<input checked="" type="checkbox"/>	0	%dft		Defrost timeout alarm
<input checked="" type="checkbox"/>	0	%ahc		High condenser temperature alarm
<input checked="" type="checkbox"/>	0	%iea		Immediate external alarm
<input checked="" type="checkbox"/>	0	%fp01		Probe 1 fault alarm
<input checked="" type="checkbox"/>	0	%fp02		Probe 2 fault alarm
<input checked="" type="checkbox"/>	0	%fp03		Probe 3 fault alarm
<input checked="" type="checkbox"/>	0	%rtc		RTC fault alarm

Setting Up Board Alerts

This a legacy option is only available on SMRT Cold devices

Alerts determined by the controller can be configured by clicking on the Defrost Probe and selecting edit from the options menu. Adding the SMRT Cold Board alert rule to the Defrost Probe allows alerts

to be dispatched from the server when one or more controller alarms are triggered.

To configure this rule follow the following steps:

1. Select the defrost probe from the parameter table.

The screenshot shows the MyFridgeOnline web interface. On the left is a blue sidebar with navigation links: Dashboard, Alerts, Reports, Overview, Devices, Devicepools, Users, and Account. The main area has a title bar 'Dashboard > SMRTCold'. Below it is a table with columns: Value, Relay Desc, Alarms, and Description. A red box highlights the first row, which contains '23.9°C', '1D', and 'Defrost Probe (Select the SMRTCold Alerts rule to configure alerts generated by the controller)'. The table also lists other parameters like 'Digital input status', 'Compressor relay status', etc.

Value	Relay Desc	Alarms	Description
23.9°C	1D		Defrost Probe (Select the SMRTCold Alerts rule to configure alerts generated by the controller)
0	~rel01		Digital input status
1	~rel02		Compressor relay status
0	~rel03		Defrost relay status
0	~rel04		Fan relay status
0	~rel05		AUX relay status (int or ext)
0	~rel06		Defrost status
0	~rel07		Continuous cycle status
0	~rel08		Set point changed by RTC
23.9°C	~tp00		Defrost probe

2. Click the plus button and select the rule named SMRTCold Alerts.

Edit

Details

Rules

Attributes

Rules

Rules



Add New Rule

Rule

Setpoint

SMRTCold Alerts

Cancel

Submit

3. Configure the alert by adding a delay. Delays determine the duration at which the value remain above or below the given configuration before an alert is dispatched.

Edit

Details

Rules

Attributes

Name *

SMRTCold Alerts

Delay *

0

The delay in minutes before escalation begins

Alert group

Template

Default

Configuration

Enable HHL Enable MinMax

Low Low

^

Cancel

Submit

4. Select an alert group.

Edit

Details	Rules	Attributes
Name *	SMRTCold Alerts	
Delay *	0	<input type="button" value="▼"/>
The delay in minutes before escalation begins		
Alert group		
Template	Default	
Configuration		
<input checked="" type="checkbox"/> Enable HHL <input type="checkbox"/> Enable MinMax		
Low Low <input type="button" value="▼"/>		
<input type="button" value="Cancel"/> <input type="button" value="Submit"/>		

5. After you are done click save.

Edit

Details Rules Attributes

Configuration

Enable HHL Enable MinMax

Low Low
0

High High
10

Alert Type
Board Alert

Back In Range Alert

Enable Alert Schedules

6. The rule should then appear in the list. Click the submit button to finalize your update.

Edit

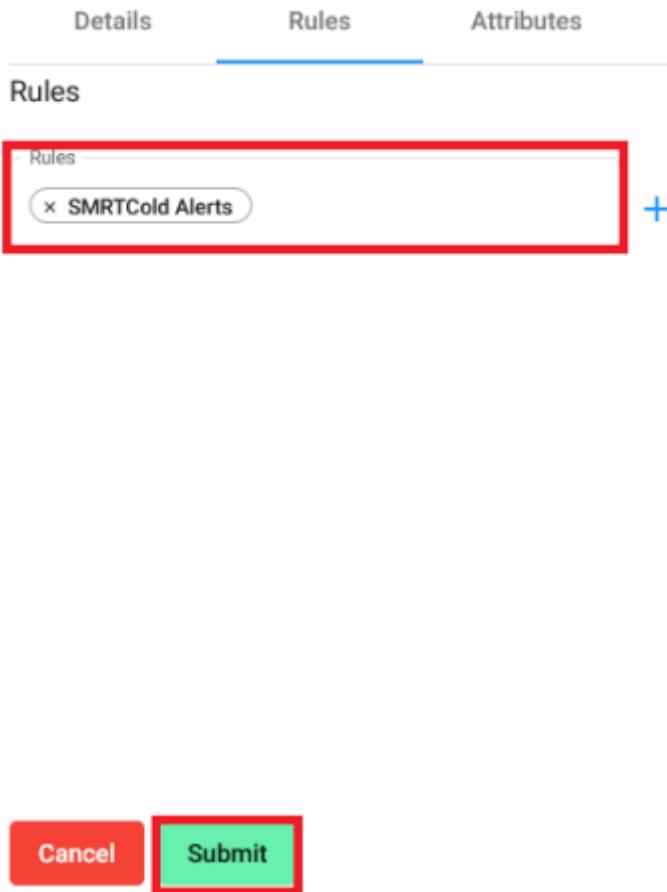
Details Rules Attributes

Rules

SMRTCold Alerts

+

Cancel Submit



Alerts will now be dispatched to the users in the alert group when the controller's alarms are triggered.

The Edit Tab

The Edit Tab contains contains editable parameters displayed within a table. The table displays editable parameter values, short code and descriptions. These are grouped and displayed by parameter type.

Filtering Parameters

Parameters can be filtered by their category by using the drop down menu. The search function also allows further filtering.

Editing Parameter Values

Entering a value into the 'New Value' field will allow you to assign a new value to the parameter. Doing so will also highlight the field in green if it is a valid value. The save button will allow you to save this value once complete. Multiple fields can be edited simultaneously. Once complete, click the Save button on the right side of the screen, to save your changes.

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The screenshot shows the 'Edit' tab of the MyFridgeOnline dashboard. The 'Probe' section is active, displaying a table of probe configurations. The first row is highlighted in green and labeled 'Probe measurement stability'. The second row is also green and labeled 'Select probe displayed'. Other rows show calibration values for probe 1, 2, and 3. The 'Alarm' section at the bottom shows an alarm differential value of 2. The left sidebar includes links for Dashboard, Alerts, Reports, Overview, Devices, Devicepools, Users, and Account.

Troubleshooting

On both the View and Edit tab, the following error messages may sometimes appear:

- Value not found 
 - This indicates that a value for the current parameter has not been communicated to the server. This can be avoided by ensuring the device syncs to the server during the first uplink.
- Profile incompatible 
 - This indicates the current profile configuration does not match the device type. This will lead to incorrect data being stored and displayed.
 - This can be fixed by clicking on the error icon. A dialog will appear displaying a list of profiles compatible with your device.
 - Select a valid profile and click 'Submit'.
 - Your device will then be updated to the correct configuration. To ensure all values are received by the server, it is recommended to power cycle the device.

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