Alarms setup

Contents

Introduction 2
Alarm Types 2
Main Module Alarms: 2
Linked Sensor Alarms 2
Temperature Alarms: 3
How to find the alarm page 4
Alarm overview 4
Type of alarm 4
Main Module Alarm setup 4
Field explanations 5
Linked Sensor Alarms 6
Temperature Alarms 7
Field explanations 7
How dos warning messages look like 8
Samples 8
Main module warning on Mail 8
Main module warning on SMS 8
Sensor warning when no data 8
Sensor temperature warning Mail 8

Introduction

Your ThermIT product can be configured to send you e-mails and text messages when something is not right. This guide will introduce you to the types of alarms available, as well as how to make the right setup.

Alarm Types

Main Module Alarms:

If the *main module* goes 120 minutes without sending data to the ThermIT cloud servers, this alarm is triggered. When this alarm is triggered, no sensor data whatsoever is being sent to the ThermIT cloud servers. The reason for this is in most cases a missing GSM connection or missing power to the GSM main module.

If you use a WiFi module then missing data could be related to missing connection to WiFi gateway or missing power to the module.

Main module alarms are set up per-user, and can be sent by e-mail, notification or SMS. The alarm can be set to operate in a given period, and time-out interval in minutes can be specified.

Linked Sensor Alarms

An alarm can be set up to trigger when a specified difference in temperature is measured by two different sensors. Typical usage includes:

- Placing two sensors in the same spot, and using a linked sensor alarm to detect a defective sensor.
- Placing two sensors in each end of areas (e.g. the top and bottom of a refrigerator) in which a constant, uniform temperature must be present.

Temperature Alarms:

Temperature alarms will be triggered when the temperature in an area is outside the limits specified in the alarm settings. Additionally, each temperature alarm has a timeout timespan specified. If no sensor readings in the given area are received within this timespan, the alarm also is triggered.

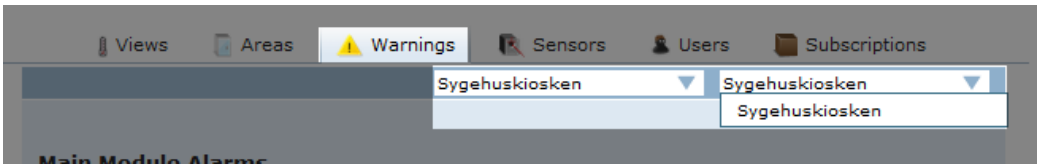
Temperature interval and timeout is combined into a single alarm to ensure an area is always monitored. Temperatures will be monitored when possible, and if a sensor for some reason is no longer able to send data to the main module, the user is notified that data is not being received from the sensor, hence temperature monitoring has stopped. This alerts the user whenever ThermIT either finds an error, or can't guarantee the observation of the area.

Notice that two consecutive temperature readings must be outside the specified temperature limits for an alarm to be triggered. This will avoid alarms triggering e.g. when refrigerators defrost.

Temperature alarms are set up per-user, and can be sent by e-mail, notification or SMS.

How to find the alarm page

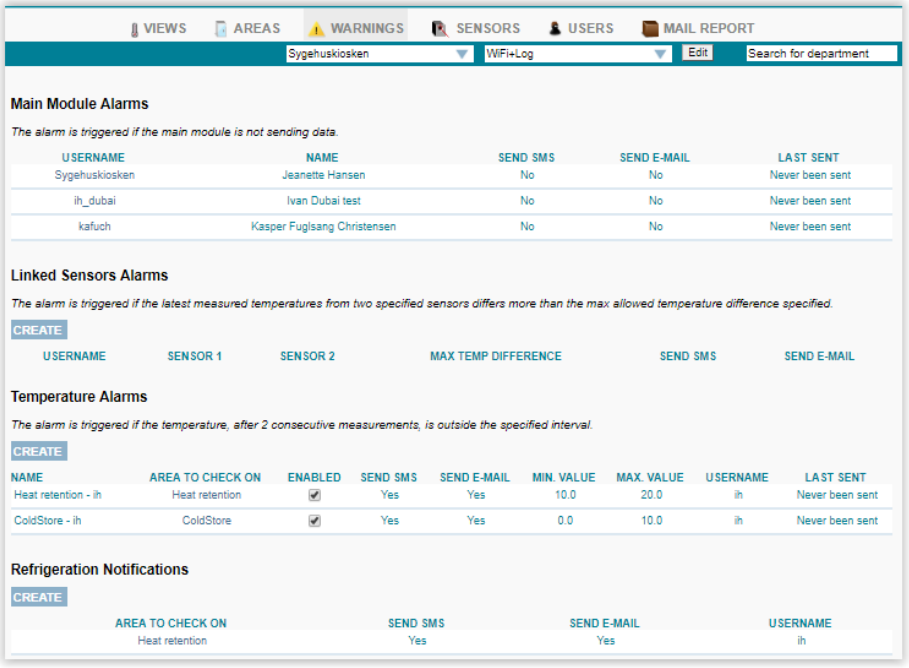
1. Log onto the web portal
2. Press the Warnings tab (see image)
3. Select your company and department in the drop down (see image)



You will now see an overview of all your alarms in the department, similar to the following image:

Alarm overview

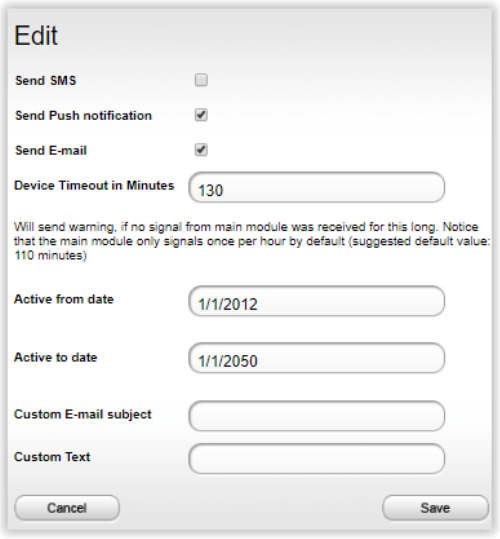
Type of alarm



Main Module Alarm setup

You can setup a main module alarm for each user in the department. Click on the line with your user to change alarm settings. Main Module alarms are sent if the main module has not sent data to the server in the default 130 min timeout.

Timeout in minuts can be set in each user.



Field explanations

Send SMS:
If this field is marked, then a SMS will be sent to the user's mobile number if an alarm is triggered.

Send E-mail:
If this field is marked, then an E-mail will be send to the user's E-mail address if an alarm is triggered

Device timeout in minutes:
This field will default be set to 110 minutes, if you accept that it may take up to maybe 3 hours before you get an alarm, you will need to type 180 in the box.

Active from date:
Here you specify the start date from when the alarm is active.

Active to date:
Here you specify the end date from when the alarm is disabled.

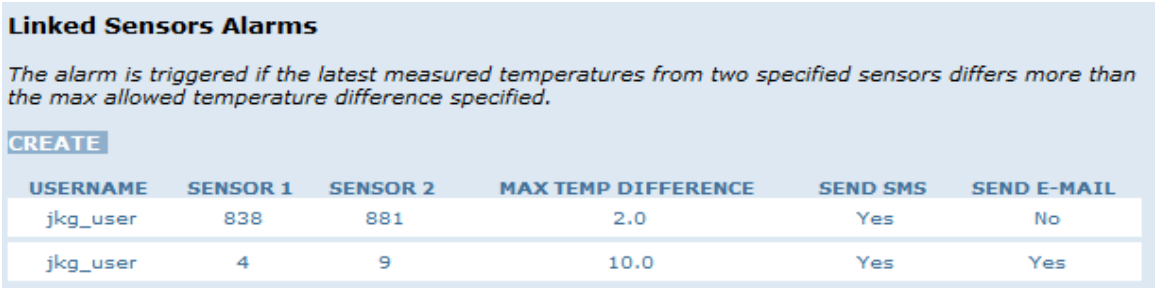
Custom E-mail subject:
In this field you can write a message, if you write a message then this message will be the text in the subject field on the E-Mail.

Custom text:
In this field you can write a message, if you write a message then this message will be the text of the E-Mail which is sent as an alarm. This can be used with our product GSM600 Relay Module. (Can be used in a circuit breaker panel to activate an alarm lamp)

Note!
Alarms are billed per SMS and are not included in the hosting agreement.

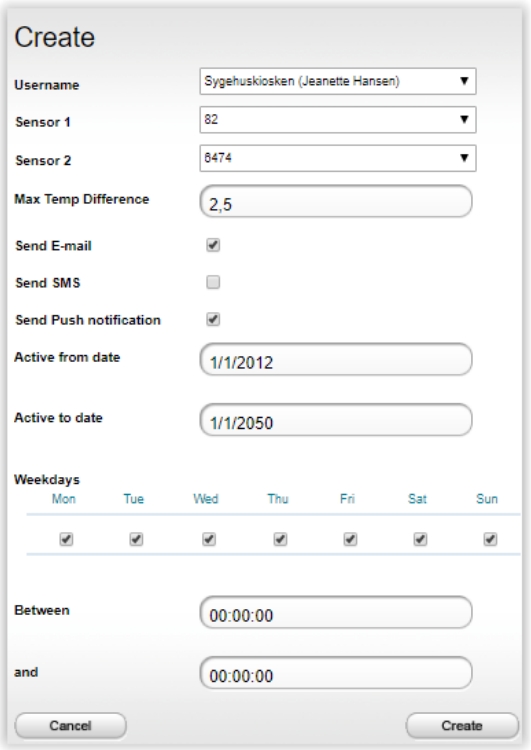
Alarms on E-mail are included in the hosting agreement.

Linked Sensor Alarms



Press the Create button to create a new alarm, or press an existing alarm to edit or remove one.

Field explanations



Username: The recipient of email/SMS warnings.

Sensor 1/2: The two sensors whose measurements are to be compared.

Max Temp Difference: Max allowed temperature difference between the two sensors.

Send E-mail: Send triggered warnings by E-mail, remove selection if you don't want alarms by E-mail.

Send SMS: Send triggered warnings by text message, remove selection if you don't want alarms by SMS.

Send Push notification: Send triggered warnings as Push-Notification if the user have been logged in to ThermIT Mobile App. Remove selection if you don't want alarms by Notification.

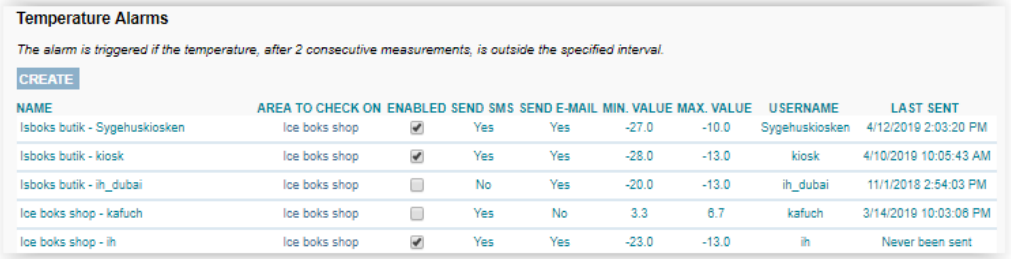
Active from/to date: The alarm will be active between these two dates. This could be useful for e.g. vacations.

Between/and: The alarm will be active every day between these two times (if the alarm is enabled and within the active from/to dates). If set to 16:00 to 08:00, alarms will only be sent if the temperature is outside the limits in this time interval.

Set both of the two boxes to 00:00 if you want alarms to be active all day.

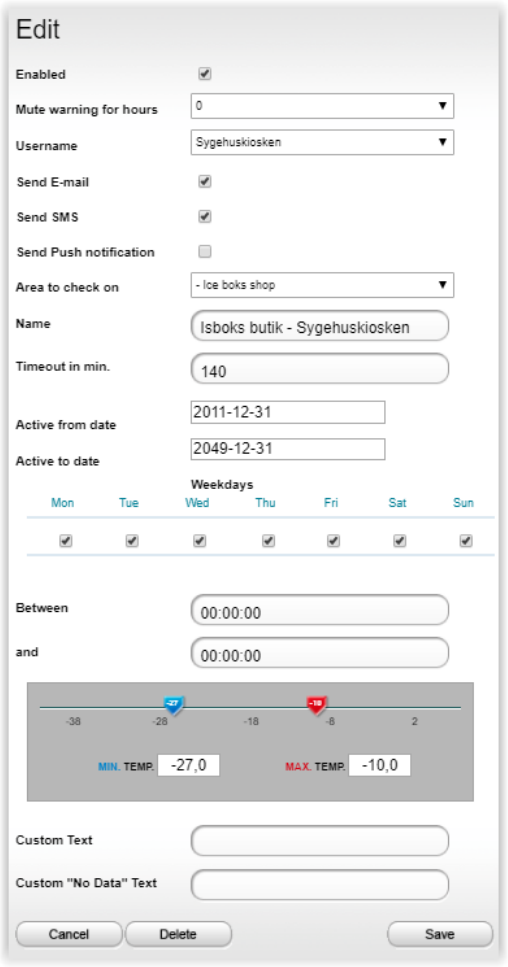
Temperature Alarms

Press the Create button to create a new alarm or press an existing alarm line to edit or remove one.



NAME	AREA TO CHECK ON	ENABLED	SEND SMS	SEND E-MAIL	MIN. VALUE	MAX. VALUE	USERNAME	LAST SENT
Isboks butik - Sygehuskiosken	Ice boks shop	☑	Yes	Yes	-27.0	-10.0	Sygehuskiosken	4/12/2019 2:03:20 PM
Isboks butik - kiosk	Ice boks shop	☑	Yes	Yes	-28.0	-13.0	kiosk	4/10/2019 10:05:43 AM
Isboks butik - ih_dubai	Ice boks shop	☐	No	Yes	-20.0	-13.0	ih_dubai	11/1/2018 2:54:03 PM
Ice boks shop - kafuch	Ice boks shop	☐	Yes	No	3.3	6.7	kafuch	3/14/2019 10:03:06 PM
Ice boks shop - ih	Ice boks shop	☑	Yes	Yes	-23.0	-13.0	ih	Never been sent

Field explanations



Enabled: Enable/disable this alarm
Username: The recipient of warnings.
Send E-mail: Send triggered warnings by e-mail?
Send SMS: Send triggered warnings by text message?

Send Push-notification: Send triggered warnings as notification to ThermIT Mobile App.

Area to check on: The area that will be monitored. Notice that only items in the dropdown with a prefixed dash ("-") are valid selections.

Name: Alarm Name used in e-mails and text messages.

Timeout in min.: The number of minutes allowed to elapse before sending an alarm if no data is received from this area. Default = 110

Active from/to date: The alarm will be active between these two dates. This could be useful for e.g. vacations.

Between/and: The alarm will be active every day between these two times (if the alarm is enabled and within the active from/to dates). If set to 16:00 to 08:00, alarms will only be sent if the temperature is outside the limits in this time interval.
Set both of the two boxes to 00:00 if you want alarms to be active all day.

Min/Max Temp: Specifies the temperature limits. If two consecutive readings are outside this interval, the alarm is triggered.

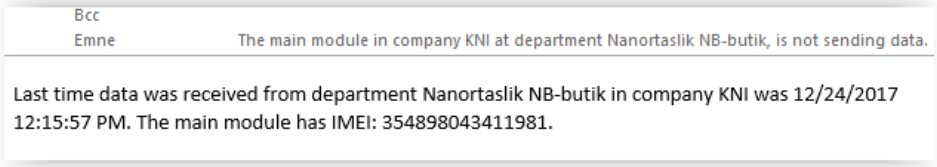
Custom E-mail subject:
In this field you can write a message, if you write a message then this message will be the text in the subject field on the E-Mail. This can be used if you want to send a mail or sms to external system which can handle variables for tricking some external equipment.

Custom text:
In this field you can write a message, if you write a message then this message will be the text of the E-Mail which is sent as an alarm. This can be used with our product GSM600 Relay Module. (Can be used in a circuit breaker panel to activate an alarm lamp).
This can be used if you want to send a mail or sms to external system which can handle variables for tricking some external equipment.

How dos warning messages look like

Samples…

Main module warning on Mail



Main module warning on SMS

Sensor warning when no data on Mail

Sensor temperature warning on Mail

Sensor temperature warning on SMS

Ice boks shop – ih warning: -22,8° C
http://system.thermit.dk/w/7lr3g

Remark !!. If you see a link (Blue line) in the SMS or MAIL messages, then you can click on this link and you will get directly into the warning setup on the web portal and you can deactivate, or you can postpone the warning for 3, 6 or 12 hours.