MORTECH™
MANUFACTURING CO., INC.

Wi-Fi Temperature Monitor
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MANUFACTURING CO., INC.
www.mortechmfg.com

MODEL BTX-WIFI
WIFI TEMPERATURE
MONITOR & ALARM
with EXTERNAL SENSOR

IMPORTANT NOTE:

MESSAGING & DATA RATES MAY APPLY

Automatic system can send you text messages (SMS) on your phone number if any measurement detected out of your defined bounds to alarm you. The text messages can come in anytime during the day and night and the sender's phone number is +16042561841. Text message's cost will be deducted from your credit for that particular sensor based on operator's rates in your region which can be found in "My Credit" table in "My profile" page. Rates are subjected to possible change at anytime without prior notice.

Sending Text messages will be stopped if your credits run out. You are solely responsible for maintaining a positive credit balance to continue receiving text message and phone alerts. There is no charge for email alerts and notifications

WiFi Temperature Monitor & Alarm
with External Sensor

A water proof temperature recorder and alarm system with external sensor (IP67). Powered by 2 replaceable AA batteries for up to 10 years and connects directly to WiFi.
Unit is a cloud-based alarm system performing accurate metering and a reliable logging.
All setting parameters like measurement intervals, upload intervals, and minimum and maximum allowed temperature thresholds can be set through a web-based application on any platform. It sends out email and text message alarms as soon as any temperature exceeds or falls below pre-set limits. It also provides access to the records history, graphs and periodical reports. Its hardware and software installation is very easy and does not require any specific tools or applications.

| GENERAL SPECIFICATIONS		
Sensor		1.5 meter (5 ft.) External temperature sensor (Stainless steel)
Temperature measurement and alarm range (Sensor only)	°C	-55 to +125
	°F	-67 to +257
Upload temperature range*	°C	-5 to +70
	°F	20 to +160
Temperature measurement accuracy	°C	± 0.5 (± 0.9 °F)
Power supply		2 x AA replaceable batteries
Sensor's protection class		IP 67
Compliances		IEEE 802.3, EN 61326-1, EN 61010, EN 12830, FCCID: 2AHMR-ESP12F, CE, ROHS, HACCP
Battery life*		Up to 6 years
Upload intervals		One hour to once a week (or on demand)
Record intervals		1 minute to 120 minutes (down 2 sec. by order)
Interface		Wi-Fi - IEEE 802.3 – 2.4 GHz
Max. number of internal records		16,384 – Automatic cloud sync and replace

Key Features

Direct Wi-Fi connection

Waterproof & washable

Up to 10 years of battery life

Push alarm for out of range registration

Access to your records on all devices

Graphs, reports & detailed records

Email & text message alarms

Cloud storage For +20 years

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Installation Instructions

Using 5/16 bit, drill hole through panel completely through to other side.
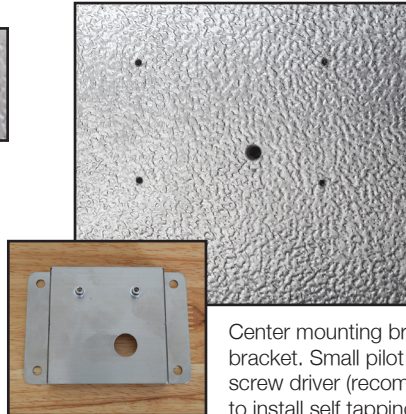
Suggested Tools (not provided).

Provided Hardware:
(1) Monitor Bracket
(8) Self Tapping Screws
(4) Plastic Cable Guides
(1) Permagum

Center mounting bracket over 5/16 hole. Mark four Mounting holes for monitor bracket. Small pilot hole can be drilled for screws. Once drilled, use a Phillips screw driver (recommended) to install mounting screws. A drill gun can be used to install self tapping screws, but this must be done carefully as to not strip out the mounting hole.
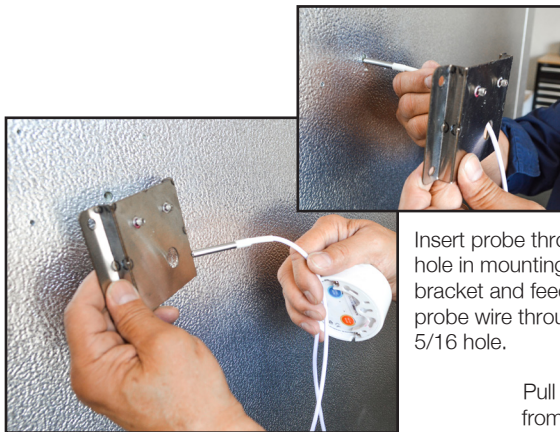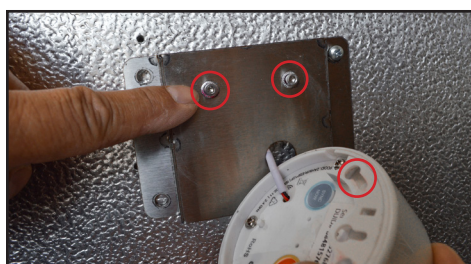

Insert probe through hole in mounting bracket and feed probe wire through 5/16 hole.
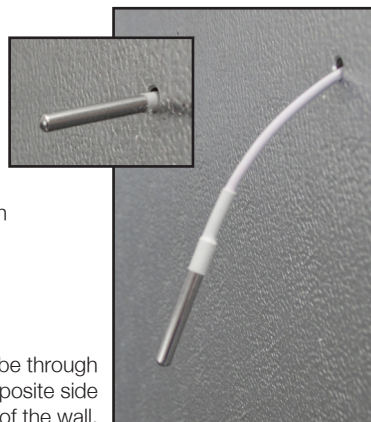
Pull probe through from opposite side of the wall.

Once pulled through seal drilled hole on both sides with Permagum, to prevent air conflict.
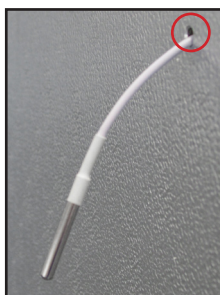

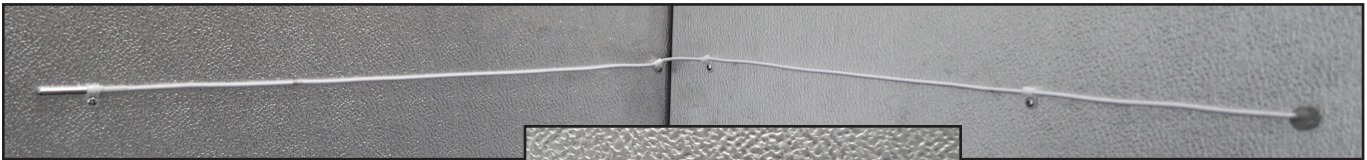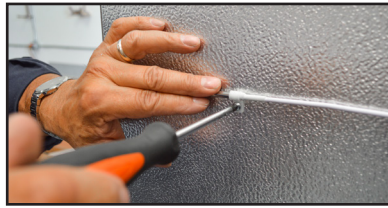Align mounting holes on unit with mounting screw heads on bracket.

Once lined up, turn slightly clockwise to lock in place.

Using self tapping screws provided mount bracket to wall.

Seal interior hole with Permagum.

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Component Data
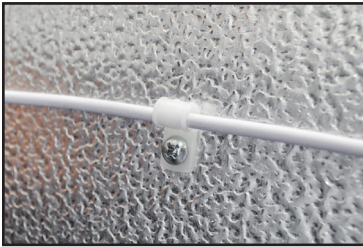
Using plastic cable guides and tapping screws, begin securing probe wire to interior wall. Four Clips are provided. Clips can used at your discretion. Secure monitor probe end last.

Wi-Fi Temperature Monitor

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WiFi Temperature Monitor & Alarm
with External Sensor - *Operation & Set-up*

- Create an account at ***www.Loggermaster.com*** and log in
- You will be taken to the Basic Functions Menu
- Follow steps below to proceed with Set-Up
- You can also visit:

  https://www.loggerflex.com/help-step-5/

  for more details and to access this units instructional videos

Menus & Basic Functions

Function Bar

Help

My Profile

Logout

Add New Device to your Account

Find your Device by using name or serial number of device

Device Type Menu

- Add your new device to your account by clicking plus symbol

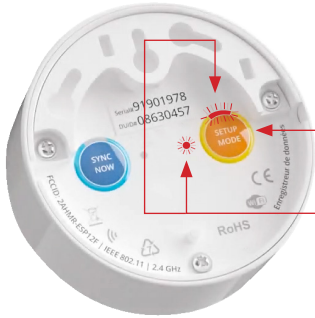- Find your device's serial number and DUID on back of device

Device attributes

Serial number: 91901978   DUID: 08630457

(8 Digits)   Add   Cancel   *(8 Digits)*

Click to Save

• Connect your device to the internet via WiFi:

<u>Method 1:</u> **Normal Procedure**

- Press (hold for half second) the **"SETUP MODE"** button on the back of your device
- You will hear a long beep ⸺ and the red light will turn on

- Using your phone or computer, navigate to WiFi setting and look for the network called **"bun"**, and connect to it (sign-in to network - Don't expect internet connection)

1 - A browser will automatically popup (or a sign-in notification will appear)
- If not, open a browser and key in 8.8.8.8

2 - Find your WiFi's name and click on it (SSID)

3 - Enter your password
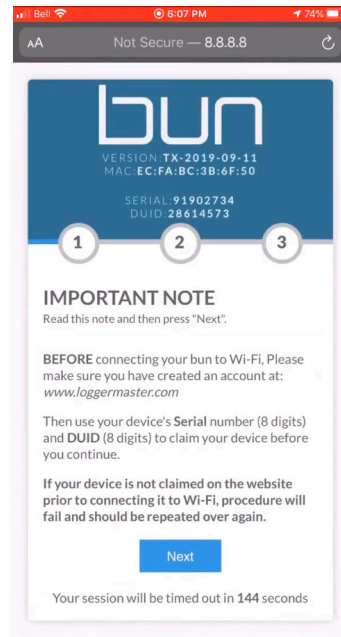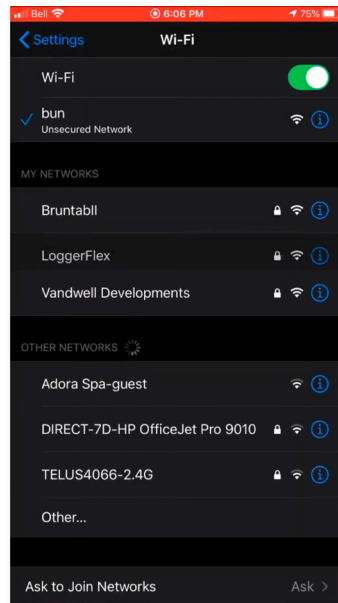
You can always find your device's Serial#, DIUD# and MAC Address here

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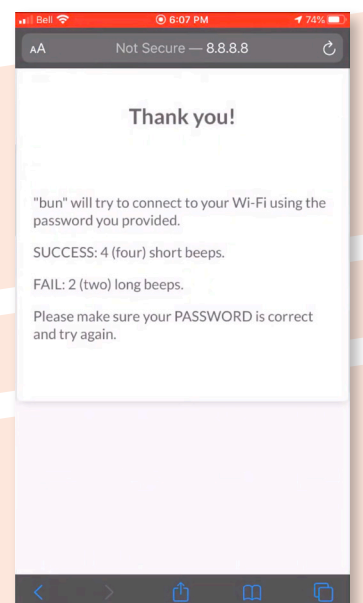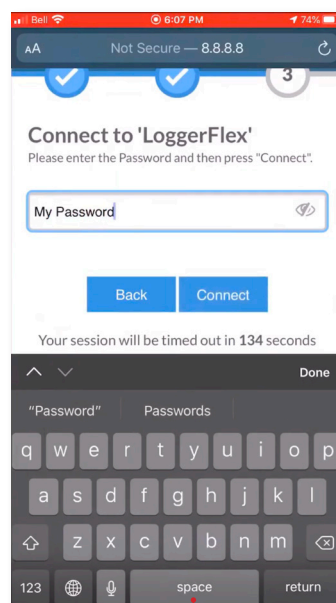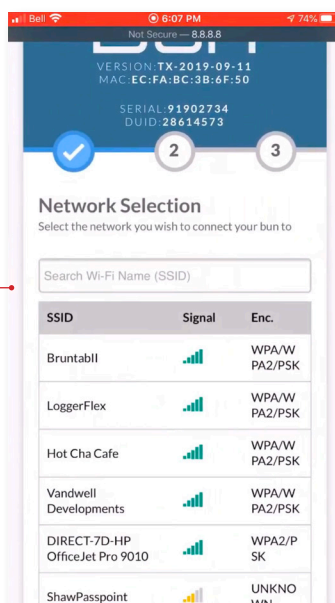
• Connection to Internet

2 long beeps

Success!

Failed...

• If failed: Check WiFi's availability and password accuracy and try again or try method 2

4 short beeps

○ ○ ○ ○

• Connect your device to the internet via WiFi:
    Method 2: Short cut (using WPS button)
    Requires physical access to router that supports WPS
    - Press both **"SYNC NOW"** and **"SETUP MODE"** together (hold for half second)
    - Press WPS button on your router
    - You will hear 3 beeps ▬▬ ▬▬ ▬▬
    - **RED** and **BLUE** lights will frequently switch back and forth

○ ○ ○ ○

2 long beeps

Success!

Failed...

4 short beeps

○ ○ ○ ○

WiFi Temperature Monitor & Alarm
with External Sensor - *Setting Alarms & Intervals*

• Go to My Profile

My Profile

• Set Language

• Set Email

General information

Name   demo@loggerflex.com

Language   English ▾   Time zone   (UTC-08:00) Pacific Time (US & ▾

Default page   Loggers & controllers ▾   ❓

Login information

Old password

New password

Confirm new password

Contact information

Email   demo@loggerflex.com   ➕ 🗑 ❓

🗑

Postal Code

Postal address

• **Set Cell Number & Click CONFIRM**
  (Alarms will be sent to this number)
  Include your country code without + or 00
  (You will also receive a text message containing a 5 digit code to confirm your number)

Mobile phone number   +16042102242   Confirm   ❓
with county code without + or 00 or space
(example 16042102242)

• Click to Save ———— ✓ ✗

- Click to Select

EEMS

Row	Type	▽ Title	Last syncing time			First sensor		Second sensor		▽ Error code	Status
			Day	Date	Time	Name	Last reading	Name	Last reading		
1	Temp & RH	91901908	Today	7/18/2019	17:52	Temp	26 °C	RH	46 %	0	🟢

See all readouts of selected device

Extract reports from selected device

Change settings of selected device

See graph of measurements of selected device

Remove selected device from account

- Select Edit

- Set alarm threshold for device above/ below daily normal fluctuations to preserve battery

EEMS

Device attributes

Serial number 91801225

- Choose a name for your device

Status OFF **ON**

Title Fridge

Post alarm If persist more tha ▼

No Upload Alarm OFF **ON**

First sensor

Sensor name Temp

Dimension °F ▼

Alarm: Minimum 28   Maximum 45

If you don't need alarms, leave "Minimum" and "Maximum" fields empty

- Set Dimensions: °C or °F

Second sensor

Sensor name RH

Dimension % ▼

Alarm: Minimum   Maximum

If you don't need alarms, leave "Minimum" and "Maximum" fields empty

Claim date 12/17/2018

Installation location Office

Comments

Alarm Criteria-
Example

Wrong alarm criteria

Correct alarm criteria

- By Changing the "Post Alarm" settings from "Immediately to "if Persist for more than 1hr.", you will only receive an alarm if temperature/RH remain out of your defined range for longer than 1 hour

EEMS Device attributes

Serial number 91801225   Status OFF ON ?

Title [Fridge] ?   Post alarm [If persist more tha ▼] ?   No Upload Alarm OFF ON ?

First sensor

Sensor name [Temp]   Dimension [°F ▼] ?

Alarm: Minimum [28]   Maximum [45] ?

*If you don't need alarms, leave "Minimum" and "Maximum" fields empty

Second sensor

Sensor name [RH]   Dimension [% ▼] ?

Alarm: Minimum [ ]   Maximum [ ] ?

*If you don't need alarms, leave "Minimum" and "Maximum" fields empty
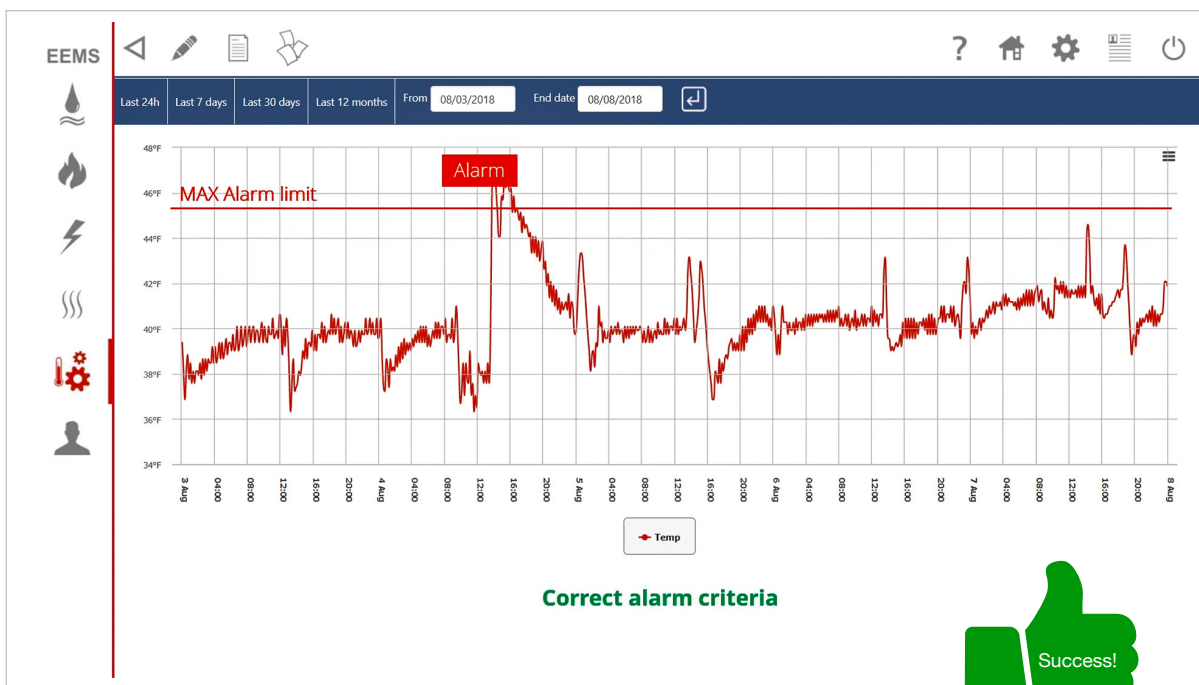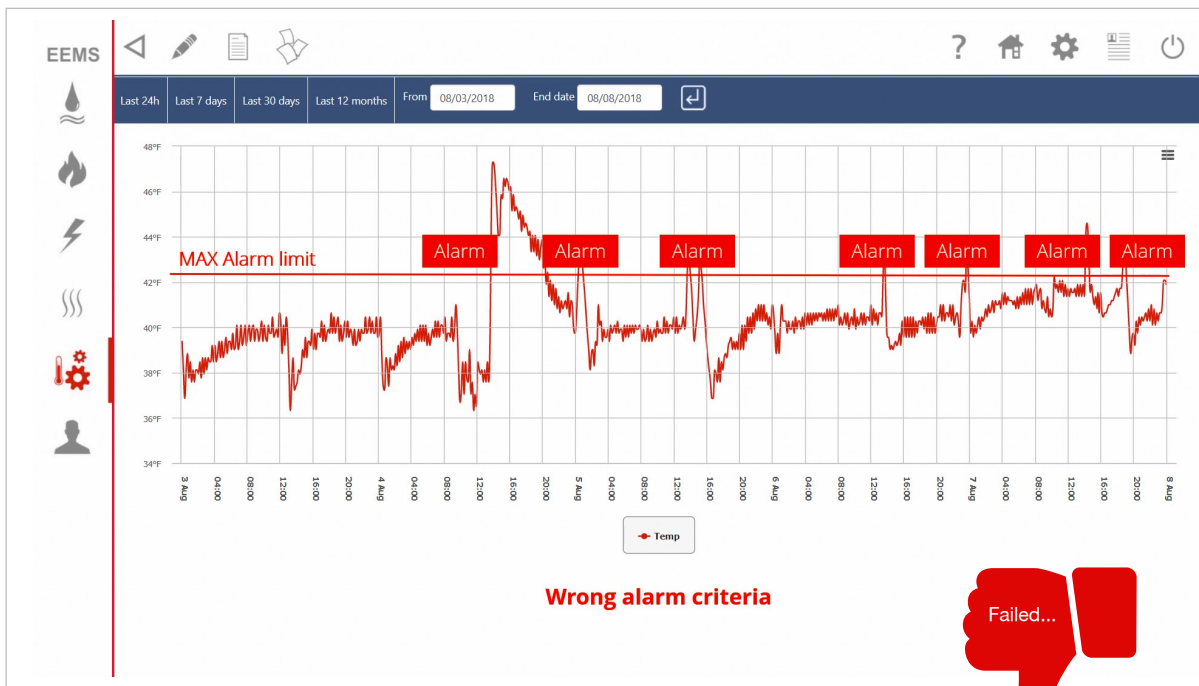
Claim date 12/17/2018 ?   Installation location [Office] ?

Comments [   ]

EEMS

Last 24h | Last 7 days | Last 30 days | Last 12 months | From 08/04/2018 | End date 08/05/2018

48°F
46°F — MAX Alarm limit   Detected   Alarm after 1 hour
44°F   Canceled
42°F   Detected
40°F
38°F
36°F
34°F
4 Aug 01:00 02:00 03:00 04:00 05:00 06:00 07:00 08:00 09:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 5 Aug

— Temp

Alarm post settings: If persist >1 hour

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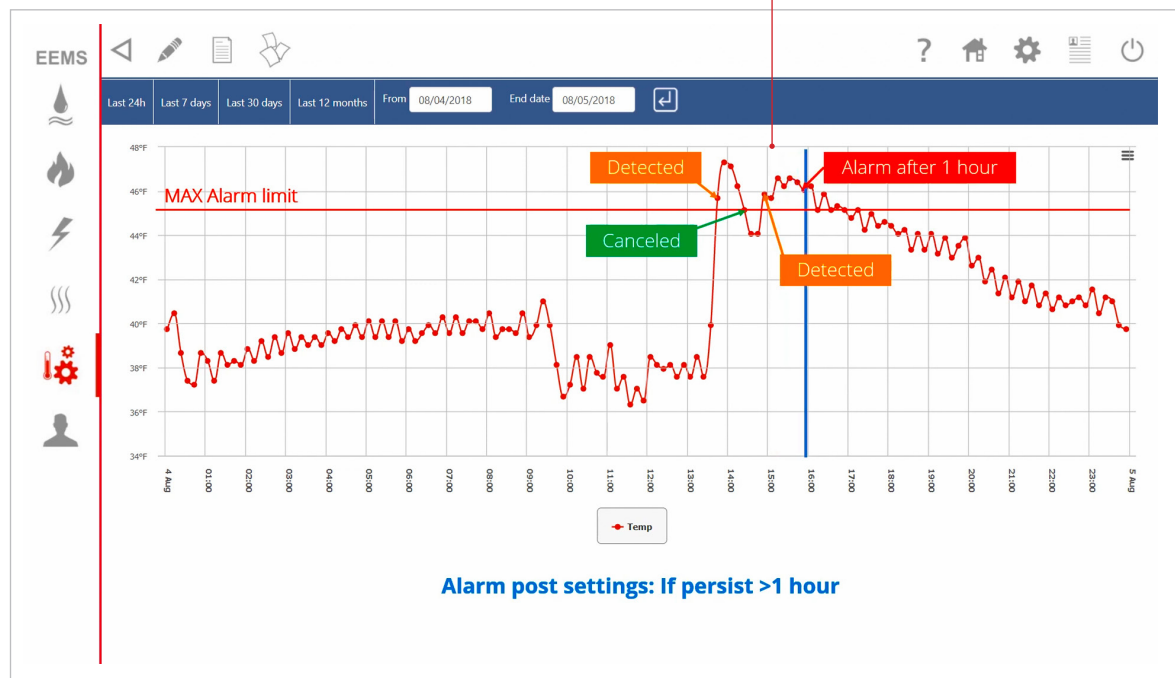
- Alarms will be sent to you as soon as they are detected, regardless of upload interval. Shorter upload intervals will drain your battery faster and has no effect on receiving alarms any faster

EEMS

Second sensor

Sensor name   RH

Dimension   %

Alarm: Minimum   Maximum

Claim date   12/17/2018

Installation location   Office

Comments

Others

Wi-Fi SSID   Vandwell Developments

Setup mode access password

* Password length must be greater than 8 digits

Record Intervals   10 Minutes

Syncing intervals   24 Hours

- Adjust recording interval here *(10 mins. recommended)*

- Adjust uploading interval here *(24 hrs. or longer recommended)*

- Click to Save

- You need to sync device with the internet for your changes to take effect. Press **"SYNC NOW"** button on back of your device

2 long beeps

Success!

Failed...

4 short beeps

○ ○ ○ ○

Serial# 91901978
DUID# 08630457

SYNC NOW

SETUP MODE

FCC ID: 2AHMR-ESP12F | IEEE 802.11 | 2.4 GHz

Enregistreur de données

CE

RoHS

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