

INSTRUCTION MANUAL

SYSTEM I-DL ETHERNET/WEB & MONITORING PORTAL GALILEO



TECHNOLOGICAL SOLUTIONS IN TEMPERATURE
AND RELATIVE HUMIDITY



MaxiTrack Sensors
info@maxitracksensors.com | www.maxitracksensors.com

REQUIREMENTS FOR INSTALLATION OF THE I-DL ETHERNET / WEB MONITORING

Congratulations on purchasing this product!

Initial recommendations

Oscillations / power cut:

- We recommend that the Gateway be energized (powered) in a low-capacity UPS so that the delivery of alarms via e-mail or temperature recording on the Galileo portal occurs without fail.

INTERNET CONNECTION:

- We recommend that the Gateway is constantly connected to the internet, so that the delivery of alarms via e-mail or temperature recording on the Galileo portal occurs without fail.

It is important that the network has no restrictions on the use of 'ports'.

If your network has port restrictions, the Gateway will not function properly and you will be unable to send the Temperature measurement information to our WEB portal (in the cloud).

DEPLOYMENT IN CORPORATE COMPUTER NETWORKS AND

DOOR RELEASE:

The MaxiTrack Ethernet Gateway is a DHCP type device.

- Connect the Gateway to a network point of your company, with internet connection.
- Check which IP address it has assumed on your network, locating the hardware in your Firewall: 'Ethernet Gateway' '
- After identifying the IP address of the Gateway, release ports 3000 and 6000, for this same IP.
- Disconnect the Gateway from the network cable and also from the power supply.
- Wait for 1 minute, reconnect the network cable and then the power supply.
- You will know if the communication with our Galileo portal (cloud) has been established, identifying the signaling of the front LEDs of the Gateway, being:

3 green LEDs continuously on



Additional information:

Portal IP address: 199.119.86.86

IP address with which our Gateway communicates: 69.167.52.133

Scope of Operation / Log In:

Dear User,

You are receiving the items in your order (Gateway and Sensors) already tested and configured on our Galileo monitoring portal.

The sensors are already linked and addressed to the Gateway.

Thus, as soon as the Gateway is powered and properly connected to the internet, within a few hours the sensors will already be online and recording the Temperature and / or Relative Humidity of the Air.

You will not need to install any Software on your local Computer or server. Our sensors run in the cloud and hardly use your computer network.

For internet access, we recommend the browsers:

Google Chrome, Firefox or any version of Browsers that run on Apple branded devices.

To access reports, check the operation and browse the system **i-DL Ethernet WEB**, your login is:

<https://app.galileosensors.com/>

USERNAME: MTGA-XXX

SENHA: MTGA-XXXX



MaxiTrack Sensors

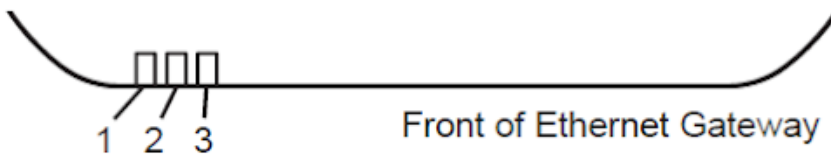
info@maxitracksensors.com | www.maxitracksensors.com

STEP BY STEP:

- Connect the network cable that came with the product to the Gateway and also to an active network point with the presence of an internet connection.
- Then supply it with electricity (100 ~ 240 Vac). Always make use of local UPS. Failure to use a UPS may compromise the operation of the equipment or even the loss of the Warranty.
- After approximately 1 minute, check that the 3 front LEDs on the Gateway are lit.

Observation: If the LEDs do not remain green or flash, it means that the internet connection must be checked.

UNDERSTANDING THE ETHERNET GATEWAY LEDS

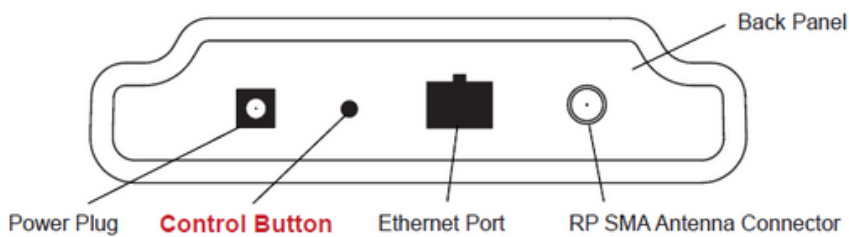


Led 1 - Indicates that the Ethernet cable is connected. **Green** indicates it is up and running. **Red** indicates that there is a problem.

Led 2 - Indicates that the Gateway has Internet connectivity and can communicate with the Galileo online monitoring portal. **Green** indicates that it is ready and functioning. **Red** indicates that there is a problem. **flashing green**, indicates that there is network traffic to the internet.

Led 3 - Indicates sensor network activity. **Green** indicates it is up and running. **Red** indicates that there is a problem. **flashing green** indicates data traffic from sensors.

Ethernet Gateway controls:



Usando o botão de controle (Control Button):

A light touch with the tip of a pen will trigger the Gateway for immediate transmission of data from all sensors, downloading messages stored in the online system (Portal Galileo) and downloading any pending messages / alarms.

Press and hold to reset the Gateway to factory settings. This resets the Gateway's heartbeat (recording intervals) to 5 minutes and also changes the heartbeat of the Galileo Portal. After executing this command, it will be necessary to login to the Portal to reset the desired settings.

Configuring the Ethernet Gateway:

The i-DL MaxiTrack RF Ethernet Gateway collects data from all sensors that are within range and is pre-configured to deliver batches of sensor messages to the Galileo Monitoring Portal (in the cloud) every 5 minutes.

This equipment works in a DHCP (Dynamic Host Configuration Protocol) system and automatically acquires a network address of the LAN (Local Area Network) to which it is being connected. In the event that it needs to have an address manually assigned to it, you can assign an IP address as well as a default Gateway and DNS mask via the online interface.

Inserting the batteries in the Wireless Sensors:

Important:

Make sure your sensors are approximately "1 meter" from the Ethernet gateway.

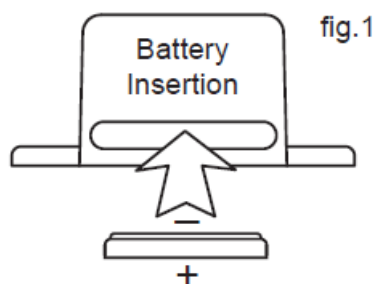
Peel off the black sticker from the battery compartment and slide the coin-type Lithium battery into the sensor, as shown in **figure 1**. Within approximately 10-20 minutes, it should activate. Once online, the sensor will be ready for use. If you want to change the sensor configuration or change the parameters in the software, the new information will be transmitted to the sensor on the next sending of the data packet waiting on the Ethernet Gateway.

If you need a more immediate response from the sensor, remove the battery and then insert again.



Notes:

- If the sensor status indicator does not change, reset the sensor by removing the battery from the sensor with the tip of a clip.
- Wait 60 seconds, then re-insert the battery.
- When inserting the battery, be sure to push the battery until the end of the cycle.
- Observe the correct polarity of the battery in the **fig.1**



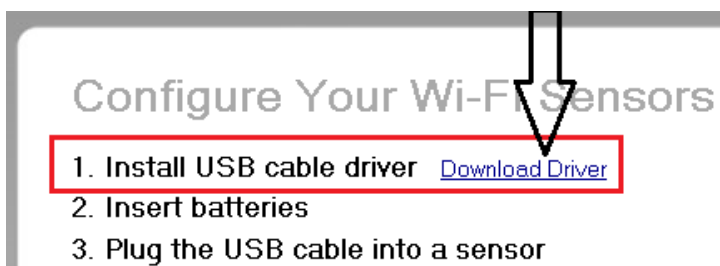
CONFIGURANDO SENSORES LINHA WI-FI

Reference WiFi models: **Código 30.2413** (Temperature) and **Código 30.2412** (Temperature and Humidity) This line of sensors works with any existing Wi-Fi network. To configure the sensor for later use on a secure Wi-Fi network (WEP, WPA or WPA2), you will need to add security access information on the sensor.

Step1: Download and install the “MoWi” configuration application (request the link through Maxitrack Support). This program will allow you to configure your sensor, in addition to providing advanced communication settings such as DHCP and the possibility of sending sensor data to other platforms.

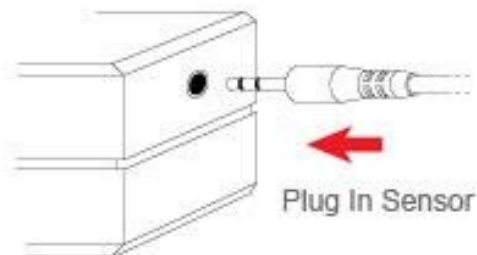
Step 2: With the application installed and running / open, follow the instructions in the “MoWi” application itself.

First install the driver on the PC where the USB interface cable, purchased along with the WiFi sensor, will be plugged.



Step 3: After installing the USB cable driver, connect one end of the cable to an available port on your PC. Then, peel off the label at the end of the WiFi sensor (where indicated on the sensor) and connect the other end of the cable to the sensor.

Step 3: After installing the USB cable driver, connect one end of the cable to an available port on your PC. Then, peel off the label at the end of the WiFi sensor (where indicated on the sensor) and connect the other end of the cable to the sensor.



Step 4: Enter your Wi-Fi network credentials. You can use the "MoWi" software itself to search for Wi-Fi networks that are in range, in case you are unsure of your wireless network's SSID. You will also need to select the type of security being used and a Key / Password for the Wi-Fi network.

4. Enter Wi-Fi network credentials

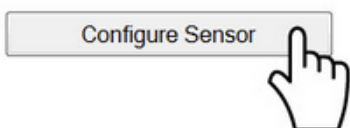
Wireless Network SSID:

Security Type:

Key / Passphrase:

Show Key:

Step 5: Click on the "Configure Sensor" button on the bottom right side of the application.



Step 6: Click "OK" in the pop-up window to close it. You can now disconnect the WiFi sensor from the USB. The LED on the sensor should be green, as it tries to connect to the Wi-Fi network (The green Led will light continuously when it successfully connects).

If the sensor flashes in **red**, can signal the following problems:

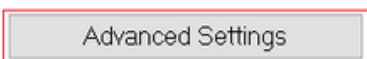
- The WiFi Sensor is out of the Router's range.
- The WiFi Sensor was unable to synchronize with the router.

Once successfully configured, repeat the process for additional sensors.

CONFIGURAÇÕES AVANÇADAS / ADVANCED SETTINGS:

If you need to configure a custom host configuration protocol or want to send the sensor data to other platforms, click on the button

"Advanced Settings ".



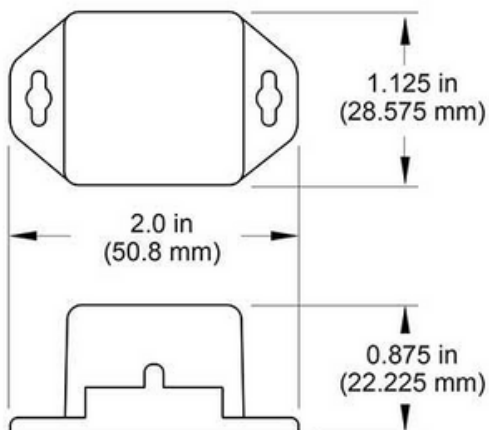
Note:

The Galileo Monitoring Portal supports the addition of any type of sensor in our line.

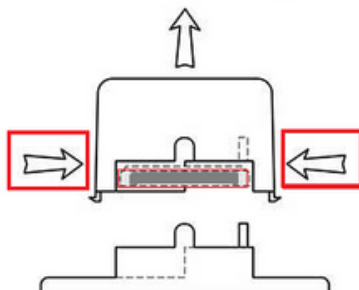
if your company already works with our 900 Mhz sensors in conjunction with the Ethernet RF Gateway (or GSM), it is possible to add our WiFi sensors to the same Control Panel (Dashboard), and with the same configuration and monitoring features.



TYPE-2 HOUSING - STANDARD WIRELESS SENSORS



Aperte as laterais do alojamento do sensor e puxe a tampa com cuidado para inserir ou retirar a bateria.



TYPES OF WIRELESS SENSOR HOUSING



Type1
Accommodation

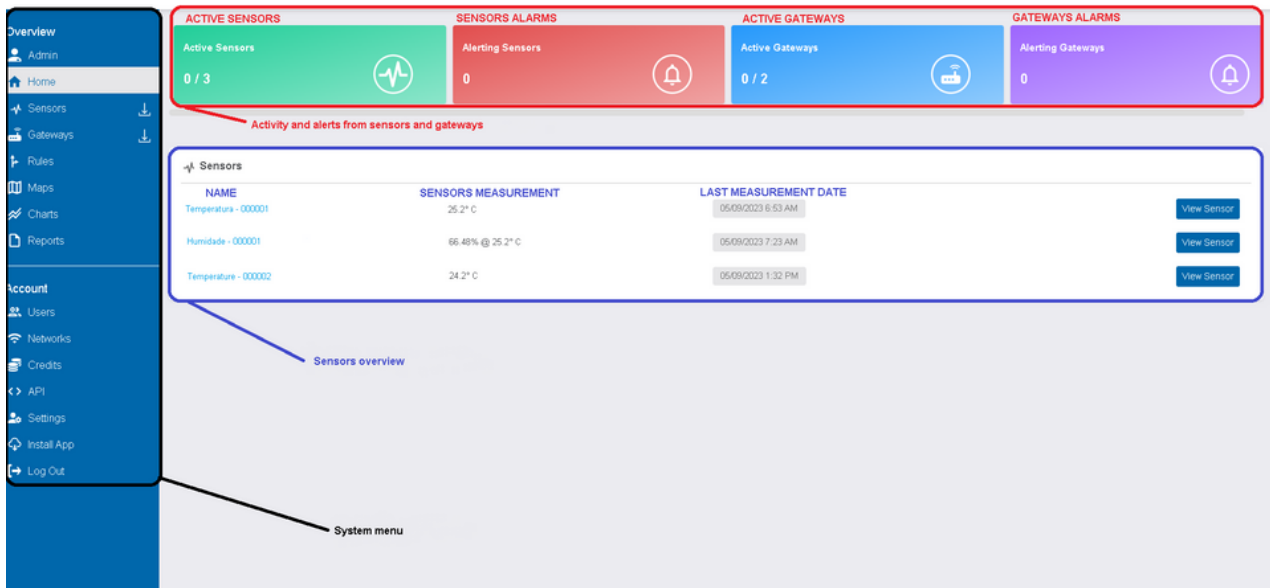


Type 2
Accommodation

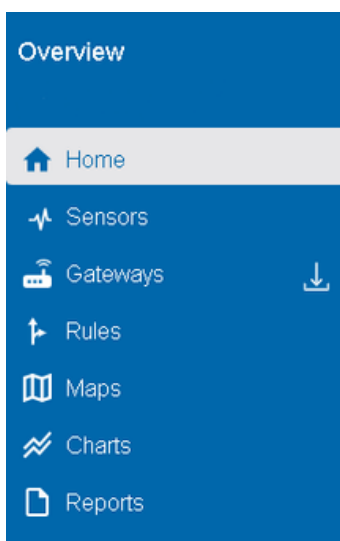
USING THE GALILEO™ MONITORING PORTAL

Understanding the online interface




When you log in online, the home view shows **activity and alerts from sensors and gateways**, **sensors overview** and **system menu**.



SYSTEM MENU



STATUS OF SENSORS/GATEWAYS

-  The device is in ok status and in regular security parameters (alarms) defined by the user.
-  Device did not find internet connection or has run out of battery (inactivity alert).
-  The device has exceeded a user-defined alarm threshold.

SENSORS

By clicking directly on the name of the sensor or on the option **"View Sensor"**, the menu **"Sensors"** is opened for the chosen sensor. In this menu, there are some tabs to view and configure the sensor.

The **"Sensors"** tab shows the active, inactive and alarmed sensors, being possible to select any of them to configure. It is also possible to add new sensors in the **"Add Sensor"** option.

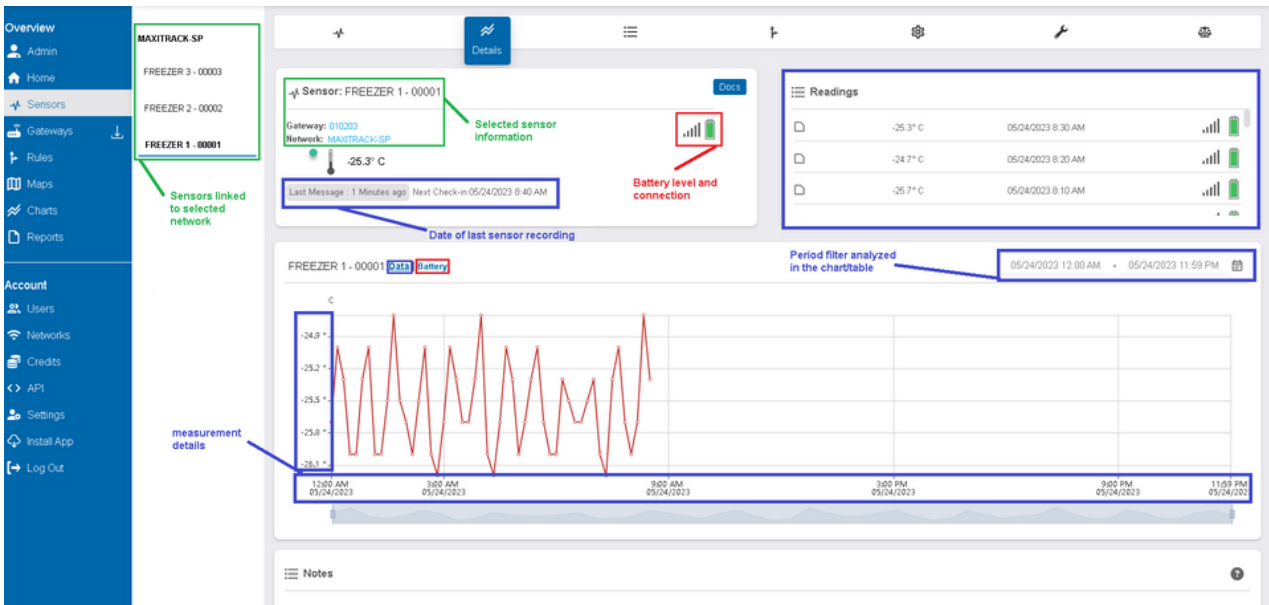
The **"Details"** tab demonstrates the sensor information regarding measurements, with a graph to aid in visualization.

The **"History"** tab demonstrates the sensor's detailed measurement history, with a table to aid visualization.


The **"Rules"** tab allows viewing, pausing and configuring active alarms for the sensor or creating a new alarm.

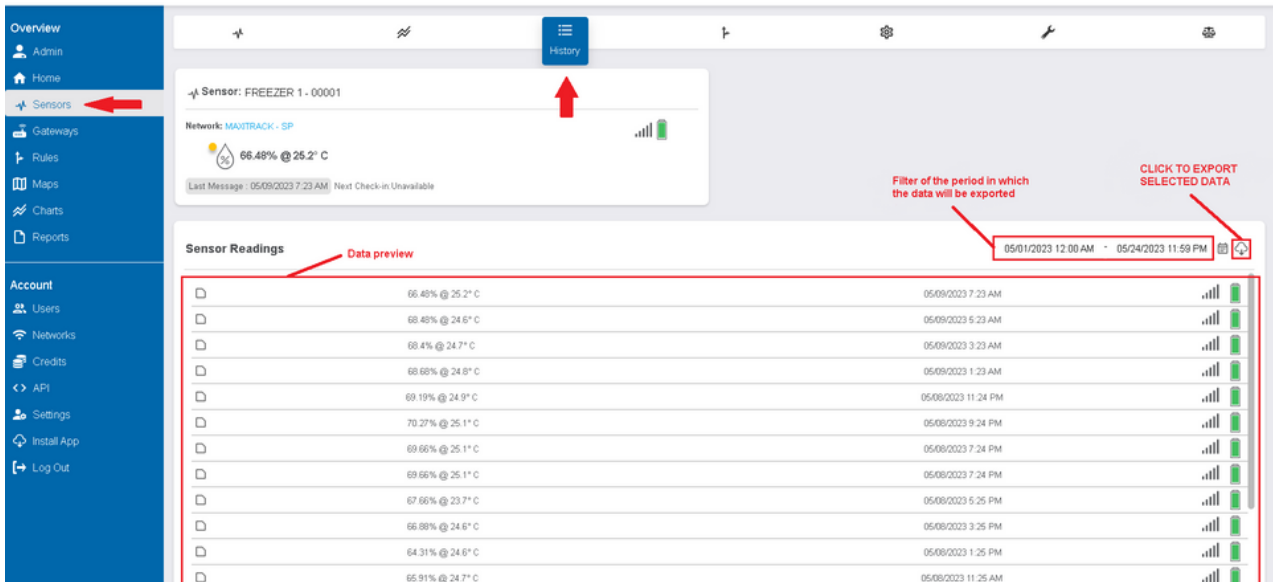
The **"Settings"** tab allows you to configure advanced sensor information. (We do not recommend using this tool, if you need help contact our support!)

The **"Scale"** tab allows you to change the temperature scale between Celsius and Fahrenheit.

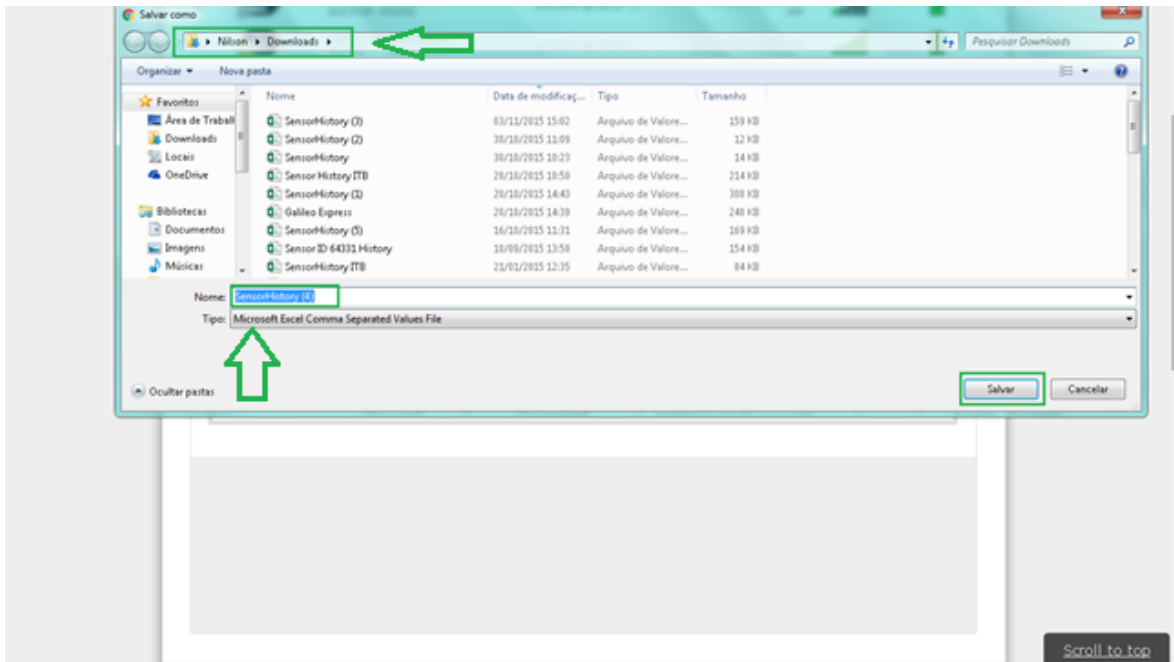


EXPORTING SENSOR DATA

To export the sensor data table you must first select the desired sensor in the "Sensors" menu. Once you have selected it, you must go to the "History" tab. When the tab opens, determine the period you want to filter the data, after that click on the icon  the data will be automatically exported to an Excel spreadsheet in .csv format.

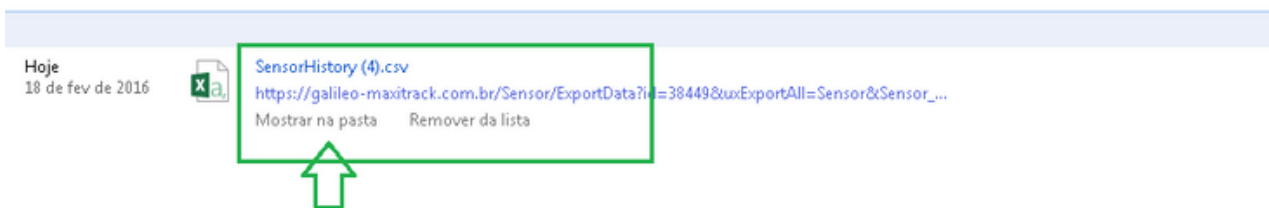


After clicking on the export button, you will need to save this file on your computer.

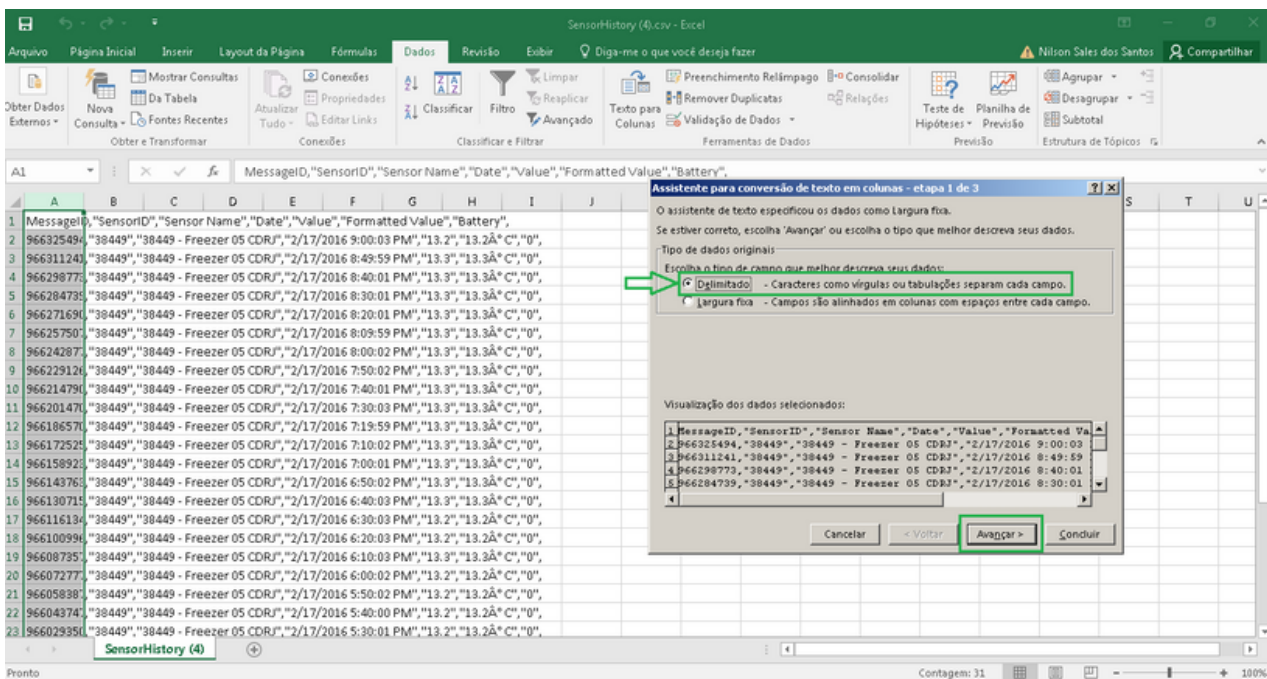
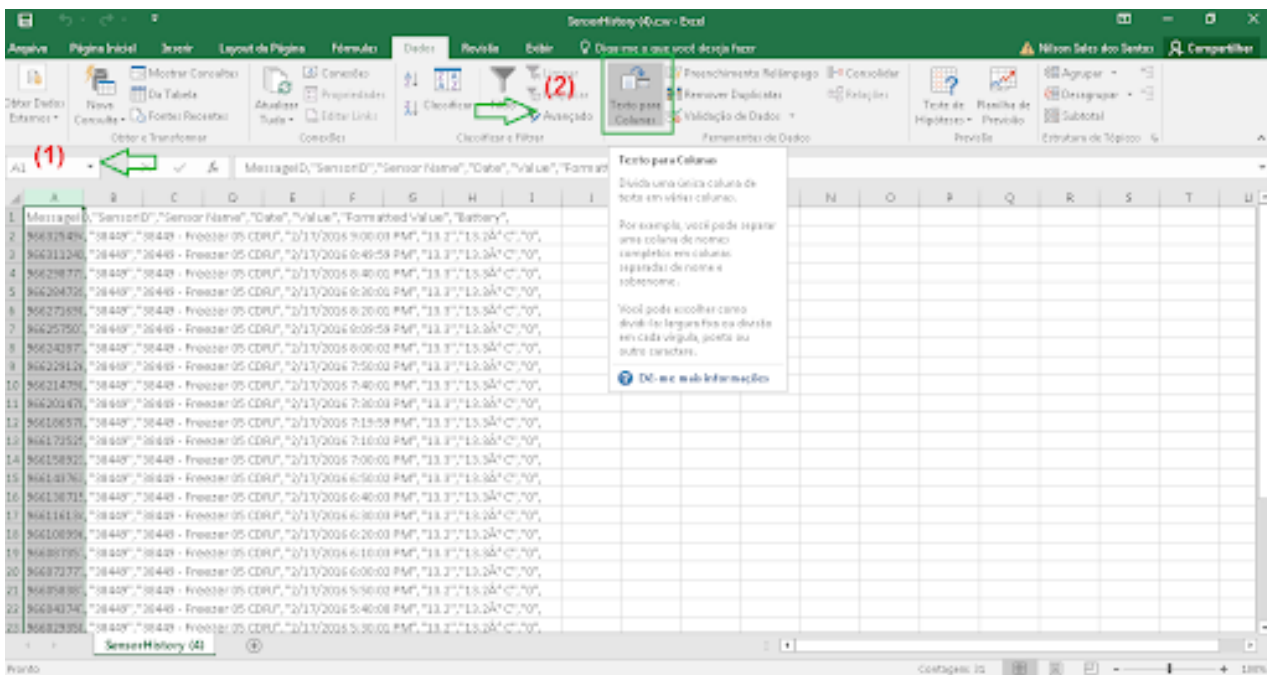


Open the file as below ...

Downloads



With the file open, follow the step by step of the images below ...



SensorHistory (4).csv - Excel

Arquivo Página Inicial Inserir Layout da Página Fórmulas Dados Revisão Exibir Digite-me a que você deseja fazer

Obter Dados Externos + Nova Consulta + Fontes Recentes Obter e Transformar

Mostrar Consultas Da Tabela Atualizar Tudo + Conexões

Classificar Filtro Avançado

Preenchimento Relâmpago Remover Duplicatas Validação de Dados Ferramentas de Dados

Teste de Hipóteses + Previsão

Agrupar + Desagrupar Subtotal

Assistente para conversão de texto em colunas - etapa 2 de 3

Esta tela permite que você defina os delimitadores contidos em seus dados. Você pode ver como seu texto é afetado na visualização abaixo.

Delimitadores

- Tabulação
- Ponto e vírgula
- Vírgula
- Espaço
- Outros

Considerar delimitadores consecutivos como um só

Qualificador de texto: []

Colocar uma (,) vírgula na caixa em branco

Visualização dos dados

MessageID	SensorID	Sensor Name	Date
966325494	38449	Freezer 05 CDRJ	2/17/2016 9:00:03 PM
966311241	38449	Freezer 05 CDRJ	2/17/2016 8:49:59 PM
966298773	38449	Freezer 05 CDRJ	2/17/2016 8:40:01 PM
966284739	38449	Freezer 05 CDRJ	2/17/2016 8:20:01 PM
966271693	38449	Freezer 05 CDRJ	2/17/2016 8:09:59 PM
966257501	38449	Freezer 05 CDRJ	2/17/2016 8:00:02 PM
966242877	38449	Freezer 05 CDRJ	2/17/2016 7:50:02 PM
966229126	38449	Freezer 05 CDRJ	2/17/2016 7:40:01 PM
966214793	38449	Freezer 05 CDRJ	2/17/2016 7:30:03 PM
966201471	38449	Freezer 05 CDRJ	2/17/2016 7:19:59 PM
966186578	38449	Freezer 05 CDRJ	2/17/2016 7:10:02 PM
966172523	38449	Freezer 05 CDRJ	2/17/2016 7:00:01 PM
966158926	38449	Freezer 05 CDRJ	2/17/2016 6:50:02 PM
966143763	38449	Freezer 05 CDRJ	2/17/2016 6:40:03 PM
966130711	38449	Freezer 05 CDRJ	2/17/2016 6:30:03 PM
966116134	38449	Freezer 05 CDRJ	2/17/2016 6:20:03 PM
966100994	38449	Freezer 05 CDRJ	2/17/2016 6:10:03 PM
966087351	38449	Freezer 05 CDRJ	2/17/2016 6:00:02 PM
966072771	38449	Freezer 05 CDRJ	2/17/2016 5:50:02 PM
966058387	38449	Freezer 05 CDRJ	2/17/2016 5:40:08 PM
966043741	38449	Freezer 05 CDRJ	2/17/2016 5:30:05 PM
966029356	38449	Freezer 05 CDRJ	2/17/2016 5:20:03 PM

Cancelar < Voltar Avançar > Concluir

Pronto Contagem: 31 100%

SensorHistory (4).csv - Excel

Arquivo Página Inicial Inserir Layout da Página Fórmulas Dados Revisão Exibir Digite-me a que você deseja fazer

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Teste de Hipóteses + Previsão

Agrupar + Desagrupar Subtotal

Assistente para conversão de texto em colunas - etapa 3 de 3

Esta tela permite que você selecione cada coluna e defina a formatação dos dados.

Formato dos dados de colunas

- Geral
- Texto
- Data
- Não separar colunas (grupos)

Formato: []

Visualização dos dados

MessageID	SensorID	Sensor Name	Date
966325494	38449	Freezer 05 CDRJ	2/17/2016 9:00:03 PM
966311241	38449	Freezer 05 CDRJ	2/17/2016 8:49:59 PM
966298773	38449	Freezer 05 CDRJ	2/17/2016 8:40:01 PM
966284739	38449	Freezer 05 CDRJ	2/17/2016 8:20:01 PM

Cancelar < Voltar Avançar > Concluir

Pronto Contagem: 31 100%

SensorHistory (4)

Arquivo Página Inicial Inserir Layout da Página Fórmulas Dados Revisão Exibir Diga-me

Calibri 11 A A

Colar

Área de Transf...

Fonte

Alinhamento

Quebrar Texto Automaticamente

Mesclar e Centralizar

Calibri 11 A A % 000

N I

A1

	A	B	C	D	E	F	G	
1	Message	Recortar		Date	Value	Formatted Value	Battery	
2	9663254	Copiar	er 05 CDRJ	2/17/2016 9:00:03 PM	13.2	13.2Â° C	0	
3	9663112	Opções de Colagem:	er 05 CDRJ	2/17/2016 8:49:59 PM	13.3	13.3Â° C	0	
4	9662987		er 05 CDRJ	2/17/2016 8:40:01 PM	13.3	13.3Â° C	0	
5	9662847		er 05 CDRJ	2/17/2016 8:30:01 PM	13.3	13.3Â° C	0	
6	9662716	Colar Especial...	er 05 CDRJ	2/17/2016 8:20:01 PM	13.3	13.3Â° C	0	
7	9662575	Inserir	er 05 CDRJ	2/17/2016 8:09:59 PM	13.3	13.3Â° C	0	
8	9662428	Excluir	er 05 CDRJ	2/17/2016 8:00:02 PM	13.3	13.3Â° C	0	
9	9662291	Limpar conteúdo	er 05 CDRJ	2/17/2016 7:50:02 PM	13.3	13.3Â° C	0	
10	9662147	Formatar células...	er 05 CDRJ	2/17/2016 7:40:01 PM	13.3	13.3Â° C	0	
11	9662014	Largura da Coluna...	er 05 CDRJ	2/17/2016 7:30:03 PM	13.3	13.3Â° C	0	
12	9661865	Ocultar	er 05 CDRJ	2/17/2016 7:19:59 PM	13.3	13.3Â° C	0	
13	9661725	Re-exibir	er 05 CDRJ	2/17/2016 7:10:02 PM	13.3	13.3Â° C	0	
14	9661589		er 05 CDRJ	2/17/2016 7:00:01 PM	13.3	13.3Â° C	0	
15	9661437		er 05 CDRJ	2/17/2016 6:50:02 PM	13.3	13.3Â° C	0	
16	966130715	38449	38449 - Freezer	er 05 CDRJ	2/17/2016 6:40:03 PM	13.3	13.3Â° C	0
17	966116134	38449	38449 - Freezer	er 05 CDRJ	2/17/2016 6:30:03 PM	13.2	13.2Â° C	0
18	966100996	38449	38449 - Freezer	er 05 CDRJ	2/17/2016 6:20:03 PM	13.2	13.2Â° C	0
19	966087357	38449	38449 - Freezer	er 05 CDRJ	2/17/2016 6:10:03 PM	13.3	13.3Â° C	0
20	966072777	38449	38449 - Freezer	er 05 CDRJ	2/17/2016 6:00:02 PM	13.2	13.2Â° C	0
21	966058387	38449	38449 - Freezer	er 05 CDRJ	2/17/2016 5:50:02 PM	13.2	13.2Â° C	0
22	966043747	38449	38449 - Freezer	er 05 CDRJ	2/17/2016 5:40:00 PM	13.2	13.2Â° C	0
23	966029350	38449	38449 - Freezer	er 05 CDRJ	2/17/2016 5:30:01 PM	13.2	13.2Â° C	0

SensorHistory (4)

Pronto

SensorHistory (4).csv - Excel

Arquivo Página Inicial Inserir Layout da Página Fórmulas Dados Revisão Exibir Diga-me o que você des

Colar

Calibri 11

Quebrar Texto Automaticamente

Fonte

Alinhamento

Calibri 11

Fonte

Alinhamento

F1

Battery

	A	B	C	D	E	F
1	SensorID	Sensor Name	Date	Value	Formatted Value	Battery
2	38449	38449 - Freezer 05 CDRJ	2/17/2016 9:00:03 PM	13.2	13.2Â° C	0
3	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:49:59 PM	13.3	13.3Â° C	0
4	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:40:01 PM	13.3	13.3Â° C	0
5	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:30:01 PM	13.3	13.3Â° C	0
6	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:20:01 PM	13.3	13.3Â° C	0
7	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:09:59 PM	13.3	13.3Â° C	0
8	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:00:02 PM	13.3	13.3Â° C	0
9	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:50:02 PM	13.3	13.3Â° C	0
10	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:40:01 PM	13.3	13.3Â° C	0
11	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:30:03 PM	13.3	13.3Â° C	0
12	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:19:59 PM	13.3	13.3Â° C	0
13	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:10:02 PM	13.3	13.3Â° C	0
14	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:00:01 PM	13.3	13.3Â° C	0
15	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:50:02 PM	13.3	13.3Â° C	0
16	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:40:03 PM	13.3	13.3Â° C	0
17	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:30:03 PM	13.2	13.2Â° C	0
18	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:20:03 PM	13.2	13.2Â° C	0
19	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:10:03 PM	13.3	13.3Â° C	0
20	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:00:02 PM	13.2	13.2Â° C	0
21	38449	38449 - Freezer 05 CDRJ	2/17/2016 5:50:02 PM	13.2	13.2Â° C	0
22	38449	38449 - Freezer 05 CDRJ	2/17/2016 5:40:00 PM	13.2	13.2Â° C	0
23	38449	38449 - Freezer 05 CDRJ	2/17/2016 5:30:01 PM	13.2	13.2Â° C	0

SensorHistory (4)

Pronto

Recortar

Copiar

Opções de Colagem:

Colar Especial...

Inserir

Excluir

Limpar conteúdo

Formatar células...

Largura da Coluna...

OCultar

Re-exibir

With the file open, follow the step by step of the images below ...

The image shows the Microsoft Excel interface. The ribbon is set to 'Página Inicial' (Home). The 'Alinhamento' (Alignment) group is active, and the 'Centralizar' (Center) button is highlighted with a green box. A tooltip for 'Centralizar' is visible, stating 'Centralizar o conteúdo.' (Center the content).

The spreadsheet contains the following data:

	A	B	C	D	E	F
1	SensorID	Sensor Name	Date	Value	Formatted Value	
2	38449	38449 - Freezer 05 CDRJ	2/17/2016 9:00:03 PM	13.2	13.2Â° C	
3	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:49:59 PM	13.3	13.3Â° C	
4	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:40:01 PM	13.3	13.3Â° C	
5	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:30:01 PM	13.3	13.3Â° C	
6	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:20:01 PM	13.3	13.3Â° C	
7	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:09:59 PM	13.3	13.3Â° C	
8	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:00:02 PM	13.3	13.3Â° C	
9	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:50:02 PM	13.3	13.3Â° C	
10	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:40:01 PM	13.3	13.3Â° C	
11	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:30:03 PM	13.3	13.3Â° C	
12	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:19:59 PM	13.3	13.3Â° C	
13	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:10:02 PM	13.3	13.3Â° C	
14	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:00:01 PM	13.3	13.3Â° C	
15	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:50:02 PM	13.3	13.3Â° C	
16	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:40:03 PM	13.3	13.3Â° C	
17	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:30:03 PM	13.2	13.2Â° C	
18	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:20:03 PM	13.2	13.2Â° C	
19	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:10:03 PM	13.3	13.3Â° C	
20	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:00:02 PM	13.2	13.2Â° C	
21	38449	38449 - Freezer 05 CDRJ	2/17/2016 5:50:02 PM	13.2	13.2Â° C	
22	38449	38449 - Freezer 05 CDRJ	2/17/2016 5:40:00 PM	13.2	13.2Â° C	
23	38449	38449 - Freezer 05 CDRJ	2/17/2016 5:30:01 PM	13.2	13.2Â° C	

The spreadsheet is named 'SensorHistory (4)' and is currently in 'Pronto' (Ready) state.

Arquivo | Página Inicial | Inserir | Layout da Página | Fórmulas | Dados | Revisão | Exibir

Calibri 11

Bordas

- Borda Inferior
- Borda Superior
- Borda Esquerda
- Borda Direita
- Sem Borda
- Todas as Bordas**
- Bordas Externas
- Borda Superior Espessa
- Borda Inferior Dupla
- Borda Inferior Espessa
- Borda Superior e Inferior
- Borda Superior e Inferior Espessa
- Borda Superior e Inferior Dupla

Desenhar Bordas

- Desenhar Borda
- Desenhar Grade da Borda
- Apagar borda
- Cor da Linha
- Estilo da Linha
- Mais Bordas...

A	B	E	F
1	SensorID	Sensor Nam	Formatted Value
2	38449	38449 - Freezer 0	13.2Â°C
3	38449	38449 - Freezer 0	13.3Â°C
4	38449	38449 - Freezer 0	13.3Â°C
5	38449	38449 - Freezer 0	13.3Â°C
6	38449	38449 - Freezer 0	13.3Â°C
7	38449	38449 - Freezer 0	13.3Â°C
8	38449	38449 - Freezer 0	13.3Â°C
9	38449	38449 - Freezer 0	13.3Â°C
0	38449	38449 - Freezer 0	13.3Â°C
1	38449	38449 - Freezer 0	13.3Â°C
2	38449	38449 - Freezer 0	13.3Â°C
3	38449	38449 - Freezer 0	13.3Â°C
4	38449	38449 - Freezer 0	13.3Â°C
5	38449	38449 - Freezer 0	13.3Â°C
6	38449	38449 - Freezer 0	13.3Â°C
7	38449	38449 - Freezer 0	13.2Â°C
8	38449	38449 - Freezer 0	13.2Â°C
9	38449	38449 - Freezer 0	13.3Â°C
0	38449	38449 - Freezer 0	13.2Â°C
1	38449	38449 - Freezer 0	13.2Â°C
2	38449	38449 - Freezer 05 CDRJ	2/17/2016 5:40:00 PM
3	38449	38449 - Freezer 05 CDRJ	2/17/2016 5:30:01 PM

SensorHistory (4)

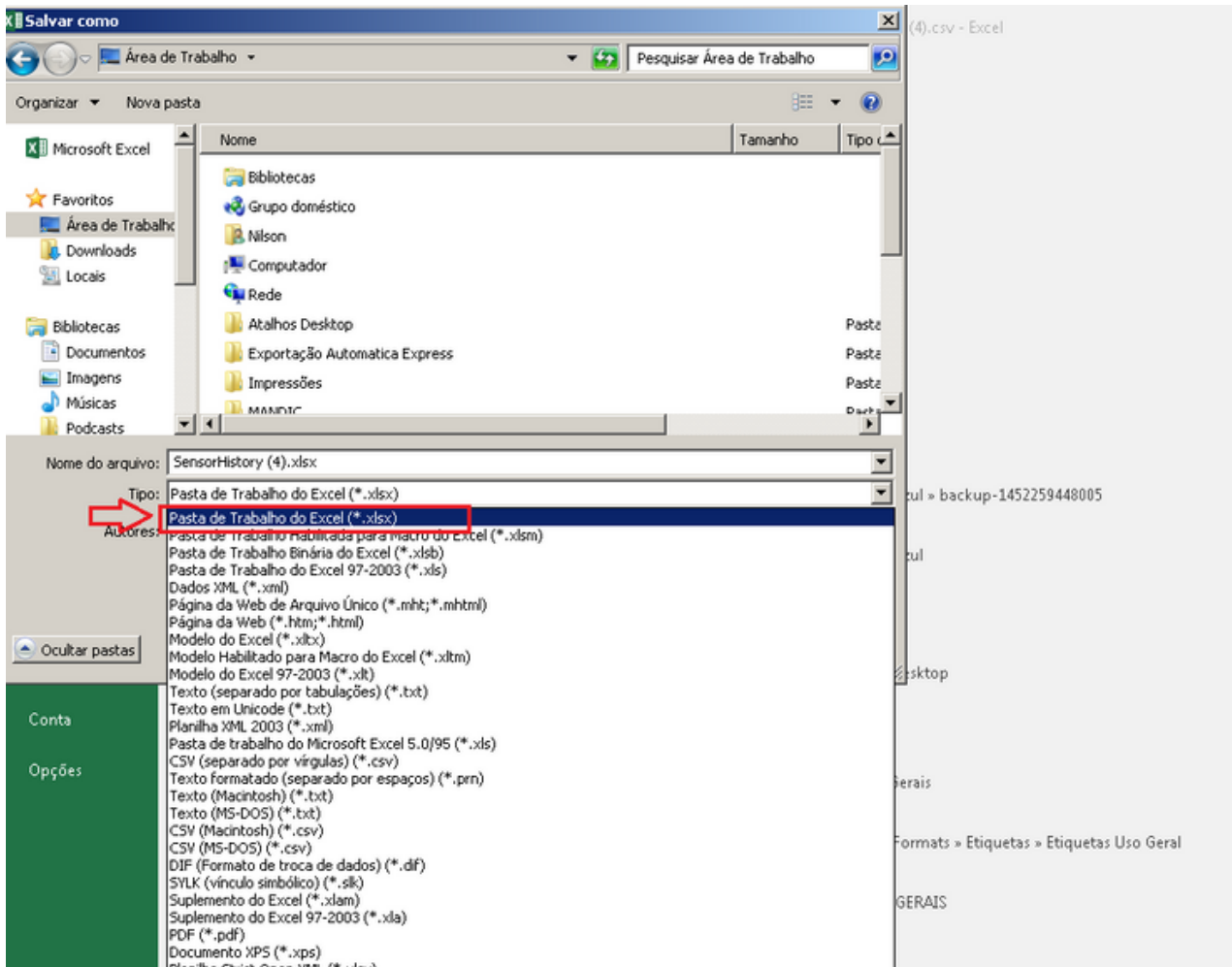
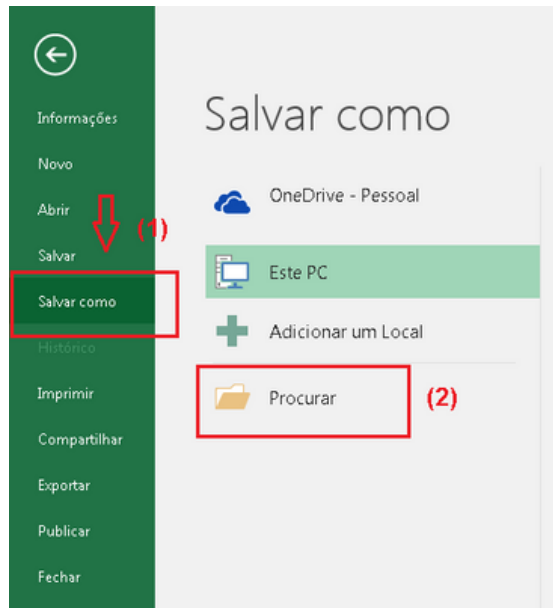
Pronto

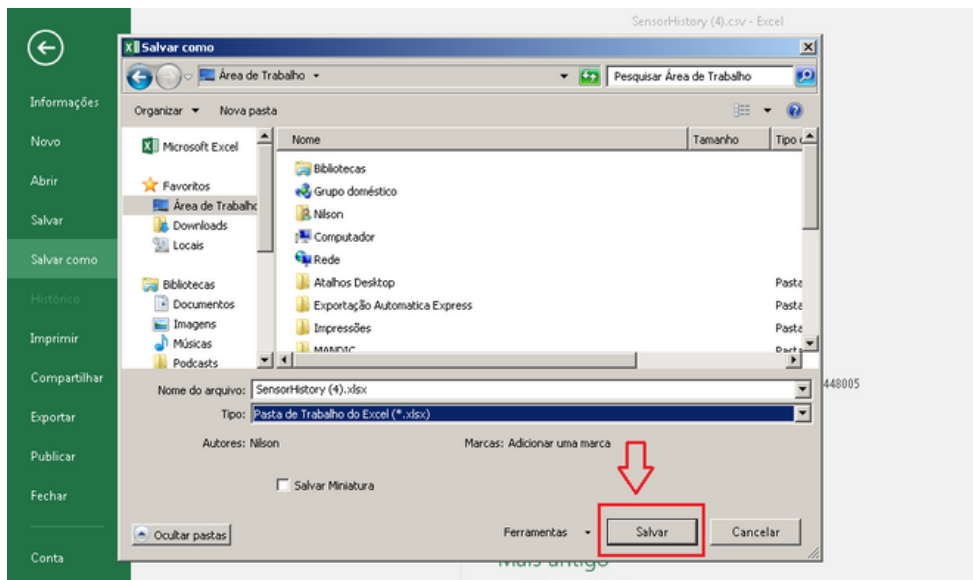
Now let's save this file in the correct format, as shown below **(out of the .CSV format and save in the standard Excel format).**

The screenshot shows the Microsoft Excel interface. The 'Arquivo' (File) menu is highlighted with a red box and a red arrow. The spreadsheet contains the following data:

	A	B	C	D	E
1	SensorID	Sensor Name	Date	Value	Formatted Value
2	38449	38449 - Freezer 05 CDRJ	2/17/2016 9:00:03 PM	13.2	13.2Â° C
3	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:49:59 PM	13.3	13.3Â° C
4	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:40:01 PM	13.3	13.3Â° C
5	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:30:01 PM	13.3	13.3Â° C
6	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:20:01 PM	13.3	13.3Â° C
7	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:09:59 PM	13.3	13.3Â° C
8	38449	38449 - Freezer 05 CDRJ	2/17/2016 8:00:02 PM	13.3	13.3Â° C
9	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:50:02 PM	13.3	13.3Â° C
10	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:40:01 PM	13.3	13.3Â° C
11	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:30:03 PM	13.3	13.3Â° C
12	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:19:59 PM	13.3	13.3Â° C
13	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:10:02 PM	13.3	13.3Â° C
14	38449	38449 - Freezer 05 CDRJ	2/17/2016 7:00:01 PM	13.3	13.3Â° C
15	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:50:02 PM	13.3	13.3Â° C
16	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:40:03 PM	13.3	13.3Â° C
17	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:30:03 PM	13.2	13.2Â° C
18	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:20:03 PM	13.2	13.2Â° C
19	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:10:03 PM	13.3	13.3Â° C
20	38449	38449 - Freezer 05 CDRJ	2/17/2016 6:00:02 PM	13.2	13.2Â° C
21	38449	38449 - Freezer 05 CDRJ	2/17/2016 5:50:02 PM	13.2	13.2Â° C
22	38449	38449 - Freezer 05 CDRJ	2/17/2016 5:40:00 PM	13.2	13.2Â° C
23	38449	38449 - Freezer 05 CDRJ	2/17/2016 5:30:01 PM	13.2	13.2Â° C

The status bar at the bottom shows 'SensorHistory (4)' and 'Pronto'.





GATEWAYS

In the **"Gateway"** menu, you can view and configure the gateway.

The **"Gateways"** tab shows the active, inactive and alarmed gateways, being possible to select any of them to configure. It is also possible to add new gateways by the option **"Add Gateway"**

The **"History"** tab Shows the gateway's operation and activity history in tabular form.

The **"Rules"** tab Allows you to view, pause and configure the active alarms for the gateway or create a new alarm.

The **"Settings"** tab Allows the user to configure advanced gateway information. (We do not recommend using this tool, if you need help contact our support!).

The **"Sensors"** tab Shows all the sensors that communicated with the gateway in its last recording.

RULES

In the **"Rules"** menu, you can view your alarms and create new ones.



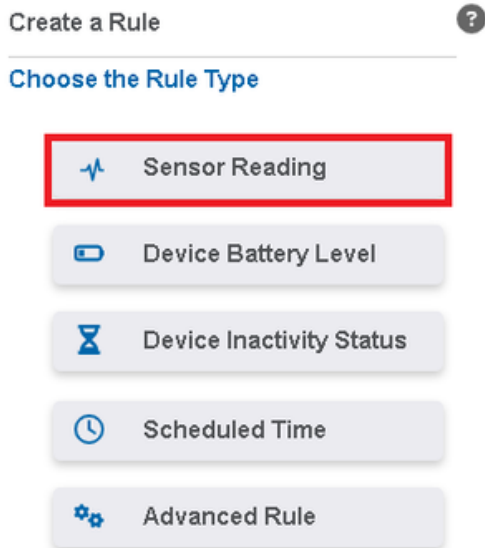
CREATING MAXIMUM AND MINIMUM ALARMS

Click **"Create New Rule"**

After that a new interface will appear.

1- Create a Rule

In this step you choose which type of alarm you want to configure, in this case, choose the **"Sensor Reading"** option



2- Pick a Device

In this step you choose which sensor this alarm will be configured on.



3- Choose a Condition

In this step, you configure the temperature value that will trigger the alarm. For maximum temperature alarms, configure: **"Greater Than"** and the maximum temperature value you want to configure. When the sensor temperature exceeds this value, the alarm will be triggered.

For minimum temperature alarms, configure: **"Less Than"** and the minimum temperature value you want to configure. When the sensor temperature goes below this value, the alarm will be triggered.

Alternatively, you can choose an existing alarm to copy its settings, but for this sensor. This option is especially viable when you already have alarms defined and, due to a new acquisition, you want to configure a new sensor with the same standards as the others.

Overview

- Admin
- Home
- Sensors
- Gateways
- Rules
- Maps
- Charts
- Reports

Account

- Users
- Networks
- Credits
- API
- Settings
- Install App
- Log Out

Create a Rule Pick a Device Choose a Condition

Sensor
Temperatura - 00001

Choose a Condition
When the temperature reading is

Greater Than Less Than

0 °C Save

Temperature value that will trigger the alarm

Reuse a configured alarm

Or use an existing rule.

Temperatura abaixo de 2°C
TemperatureData

Temperatura acima de 8°C
TemperatureData

4- Set Up Task

In this step you choose how you prefer to receive the temperature alarm and determine a message to be sent when the alarm is triggered.

Create a Rule Pick a Device Choose a Condition Set Up Tasks

Sensor
Sala de Amostras Aromas

Condition
When Temperature Reading is Greater Than 0 C

Set Up Tasks

When Condition is Met

Send E-Mail

Send Text

Send Voice Call

Create System Action

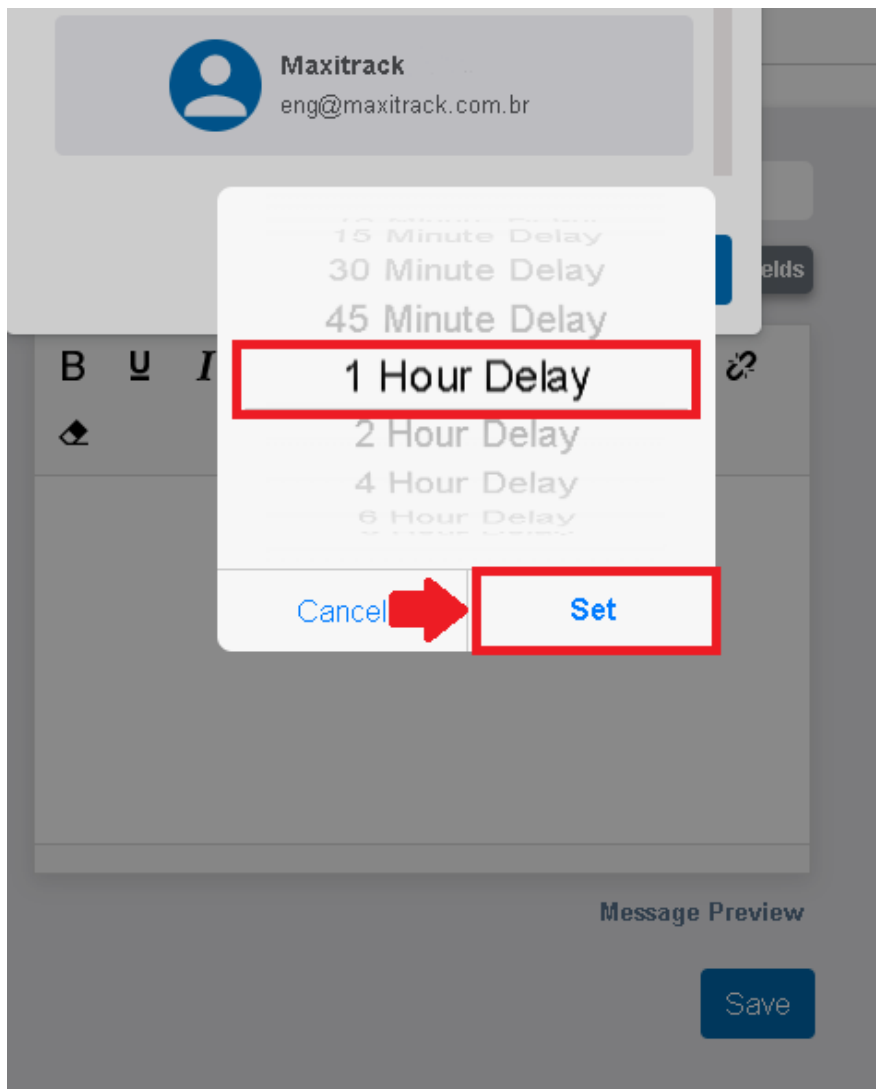
Done adding tasks



The image shows a 'Send Email' form. At the top left, a red arrow points to a plus sign icon in the 'To' field. Below the 'To' field is a 'Subject' field and a 'Merge Fields' button. A rich text editor toolbar is visible with options for Bold (B), Underline (U), Italic (I), Font, Size, and other icons. A large text area for the message body is below the toolbar. At the bottom right, there is a 'Message Preview' label and a blue 'Save' button.

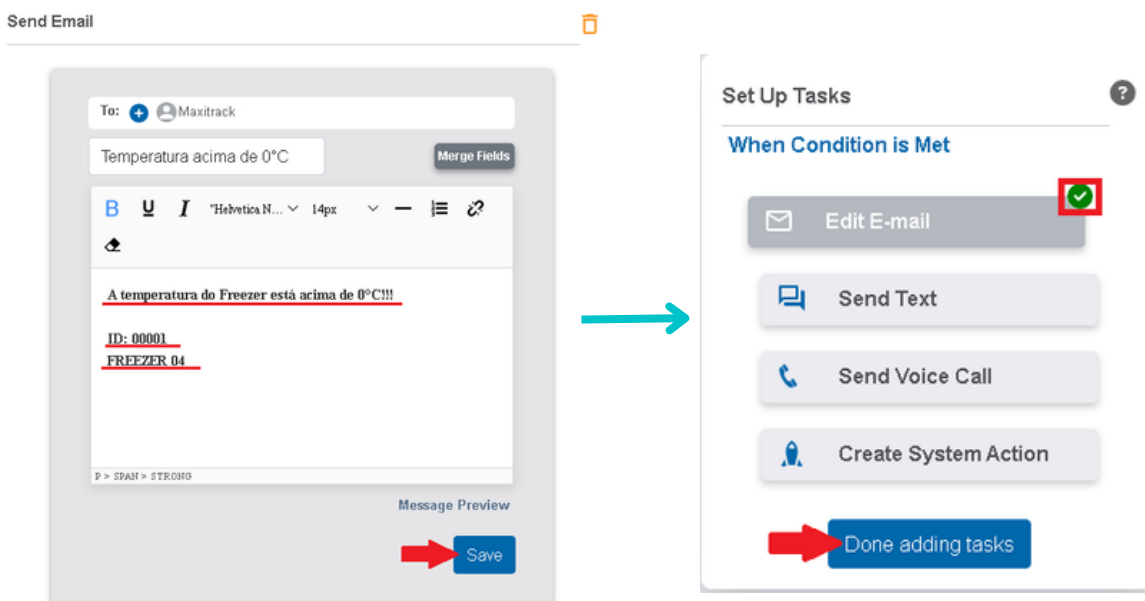
The image shows a 'Select Contacts' dialog box. It has a search bar labeled 'Search Name'. Below the search bar, there are two contact entries. The first entry is 'MTGA' with a redacted email address. The second entry is 'Maxitrack' with the email address 'eng@maxitrack.com.br'. This second entry is highlighted with a red rectangular box. A red arrow points from the bottom of this box to the text 'Select the email that should receive the alarm'. A blue 'Save' button is located at the bottom right of the dialog.

Determine the minimum interval between each notification of the same alarm.



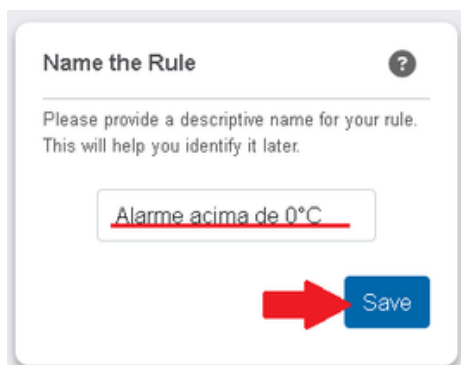
Write the message you want to receive on the alarm. It is always important to put some reference like the sensor ID or some internal numbering.

After defining the message, save the changes. You will soon see that there is an email and message set for the alarm. When configuring all alarm notification channels, click **"Done adding tasks"** option.



5- Name the Rule

Finally, give the alarm a name of your choice.



THEN DONE, THE ALARM WAS CREATED!

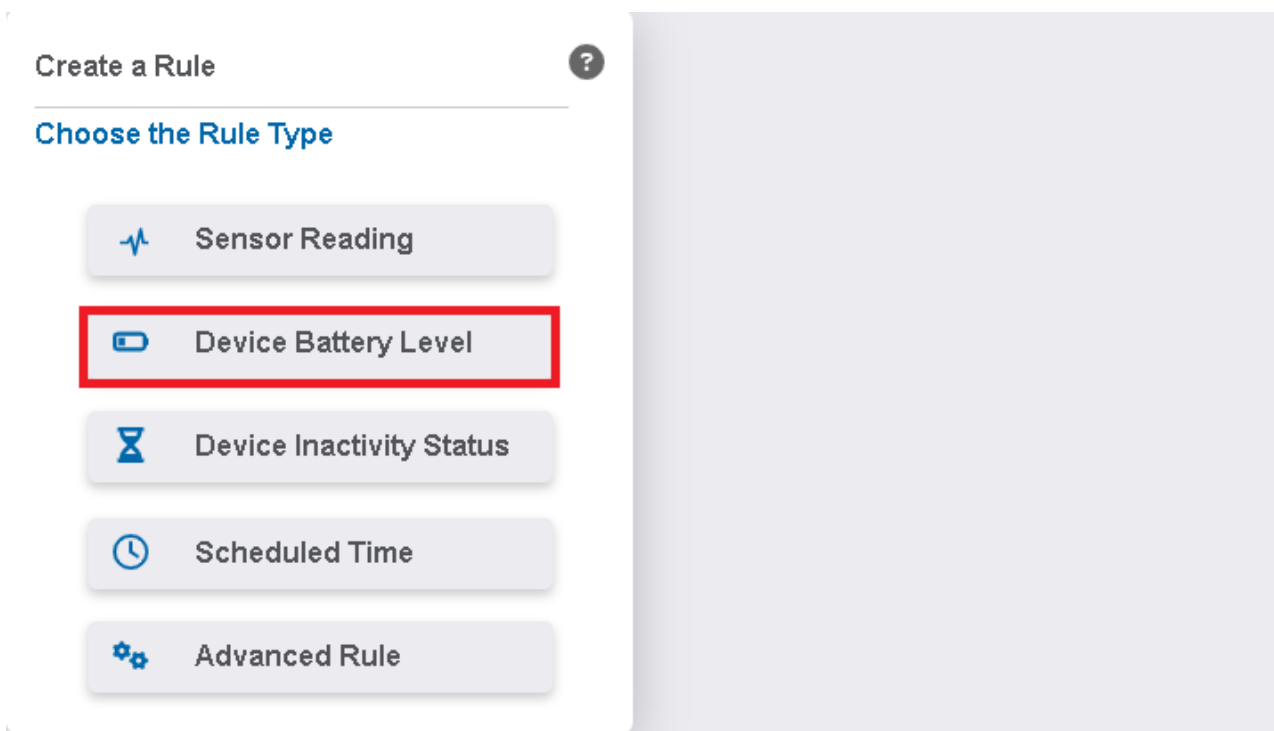
CREATING BATTERY ALARM

Click **"Create New Rule"**

After that a new interface will appear.

1- Create a Rule

In this step you choose which type of alarm you want to configure, in this case, choose the option **"Device Battery Level"**



2- Pick a Device

In this step you choose which device this alarm will be configured on.

Pick a Device

Sensors

Gateways

Choose a Sensor



Pick a Device

Sensors

Gateways

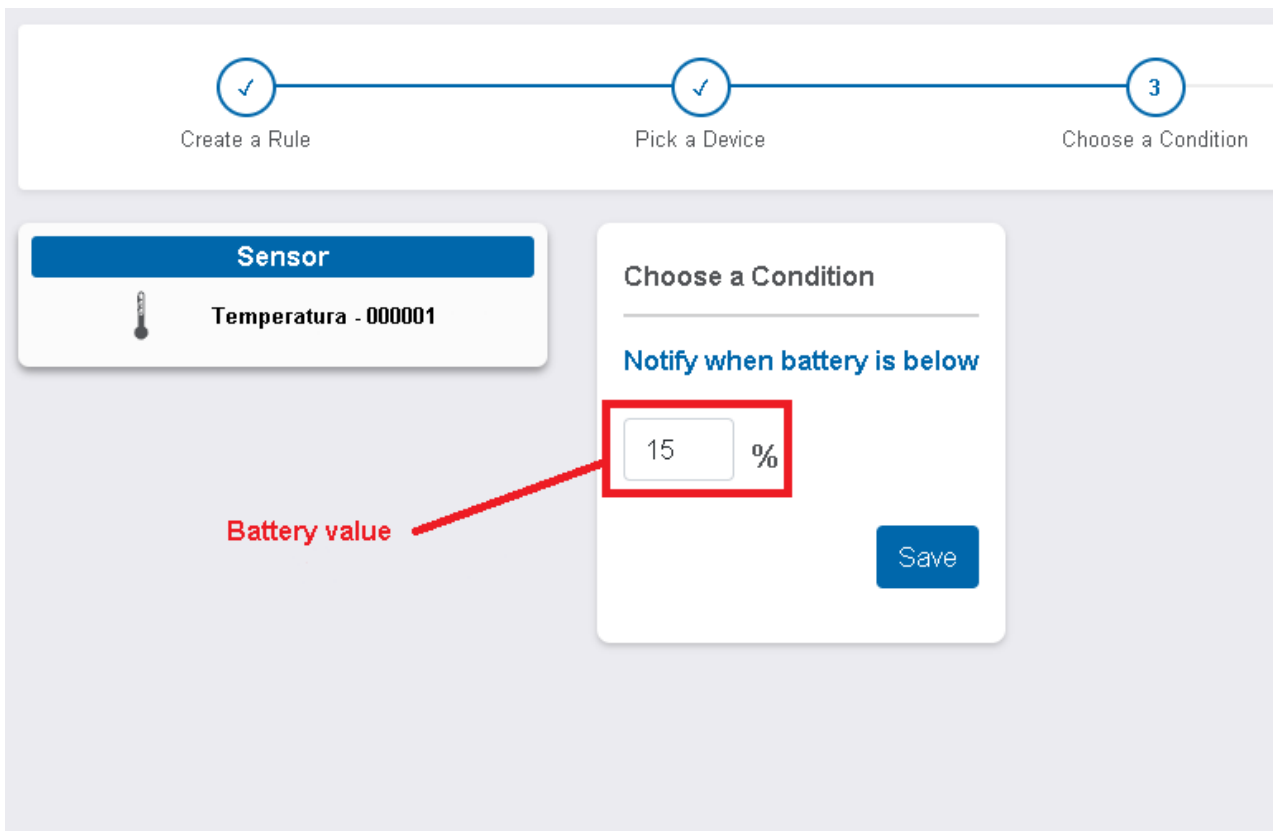
Choose a Gateway



3- Choose a Condition

In this step, you configure the battery value that will trigger the alarm. When the device's battery goes below this value, the alarm will be triggered.

Alternatively, you can choose an existing alarm to copy its settings to this device. This option is especially viable when you already have alarms defined and, due to a new acquisition, you want to configure a new device with the same standards as the others.



4- Set Up Task

In this step you choose how you prefer to receive the battery alarm, determine a message to be sent when the alarm is triggered and a minimum interval between one notification and another of the same alarm.

5- Name the Rule

Finally, give the alarm a name of your choice.

THEN DONE, THE ALARM WAS CREATED!

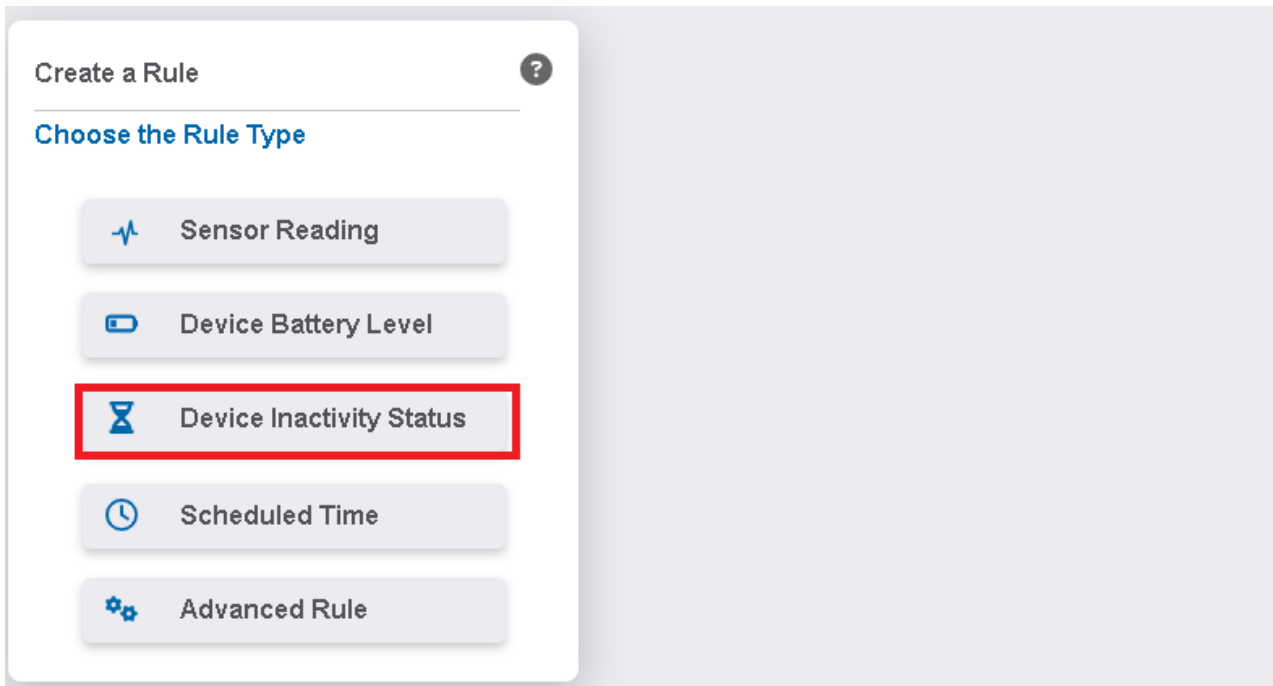
CREATING INACTIVITY ALARM

Click **"Create New Rule"**

After that a new interface will appear.

1- Create a Rule

In this step you choose which type of alarm you want to configure, in this case, choose the option **"Device Inactivity Status"**



2- Pick a Device

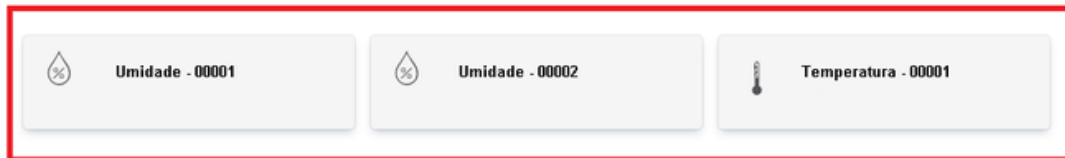
In this step you choose which device this alarm will be configured on.

Pick a Device

Sensors

Gateways

Choose a Sensor



Pick a Device

Sensors

Gateways

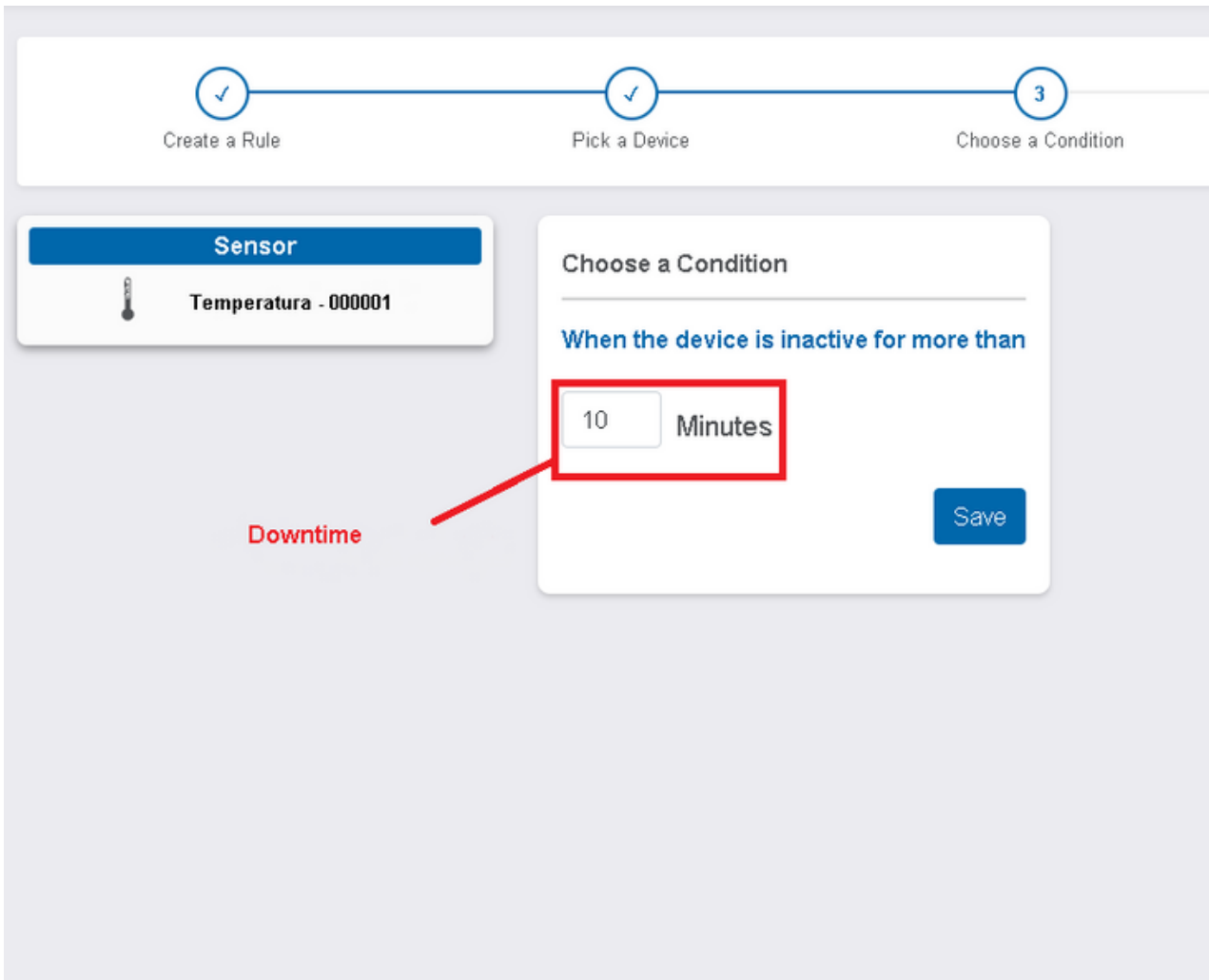
Choose a Gateway



3- Choose a Condition

In this step, you configure the device inactivity time that will trigger the alarm. When the device idle time exceeds this value, the alarm will be triggered.

Alternatively, you can choose an existing alarm to copy its settings to this device. This option is especially viable when you already have alarms defined and, due to a new acquisition, you want to configure a new device with the same standards as the others.



4- Set Up Task

In this step you choose how you prefer to receive the inactivity alarm, determine a message to be sent when the alarm is triggered and a minimum interval between one notification and another of the same alarm.

5- Name the Rule

Finally, give the alarm a name of your choice.

THEN DONE, THE ALARM WAS CREATED!



QUESTIONS & GENERAL ANSWERS



IMPORTANT

1 - What is the average distance I should use between the Sensor and the Gateway?

Answer: The distance depends on the environment where the sensor is positioned, we can use an average of 50 meters of distance indoors. Ideally, the route between the 2 pieces of equipment should have as few obstacles as possible

2 - If there are any walls or obstacles between the Sensor and the Gateway, what action should I take?

Answer: The action on this case would be to analyze the repositioning of the Gateway X Sensors, so that the path between the 2 devices, has the minimum of obstacles possible.

3 - Is there any placement of the Sensor and Gateway Antenna that I should use?

Answer: For a better quality of transmission between the equipment, always use the antennas of the Sensors and Gateways in the vertical position (straight and facing upwards).

4 - Can I attach my Sensor and Gateway to some type of wire mesh etc. to fix them better?

Answer: DO NOT. We do not recommend this practice because the metallic screen can interfere with the transmission of the equipment, causing disconnection between the Sensor and the Gateway. Try to keep Sensors and Gateways away from metallic parts or surfaces.

5 - What to do when the sensor is in status yellow?

Answer: This status signals problems with the distance / obstacles between the Sensor and the Gateway (review questions 1, 2, 3 and 4), problems with low / low / no battery power or a possible lack of Internet connection (if all sensors are connected). with yellow status).

6 - What to do when the sensor is in status red?

Answer: This status is connected (online) and is in an alarm state.

7 - What to do when the sensor is in status grey?

Answer: This status appears only when a sensor was recently added to the Galileo portal and there has not yet been enough time to synchronize with the Gateway / Internet Connection or the Gateway has not yet been released on the customer's Network / Firewall.

8 - What types of alarms are set by default?

Answer: The minimum / maximum temperature alarms for refrigerators, battery and inactivity (loss of connection) are configured by default.



9 - What to do when the sensor has its records / alarms locked?

Answer:

A - Remove the original battery from the Sensor.

B - Wait for about 5 minutes, put another one in place even if it is used and insert the battery in the correct polarity according to Pg 4 of the instruction manual.

C - Place the sensor as close as possible to the Gateway (Black Router), leave the Sensor / Gateway antennas straight and vertical and leave the equipment away from metal structures, screens, etc.

D - Access the Galileo portal at least 1 or 2 times every hour, to check the status.

E - As soon as you are online, attach the Sensor back to its place of use.

10 - How to ensure that the i-DL Ethernet WEB system securely records and triggers alarms in case of heating or shutdown of Refrigerators?

Answer: In order for the entire system to operate flawlessly in terms of the physical part (within the customer's premises), it is MANDATORY that general and periodic checks are made. For everything to work well, your Maintenance team must verify that the sensors and Gateways are connected and powered, that they have batteries and that everything is normal and ONLINE. It is also MANDATORY that the client performs real alarm tests (simulations) every 5 days on each sensor individually. This ensures that, if there is any local problem, it is perceived and remedied in a preventive way.

11 - Which contact for opening support / engineering calls?

Answer: To open tickets among other requests, use the email: eng@maxitrack.com.br

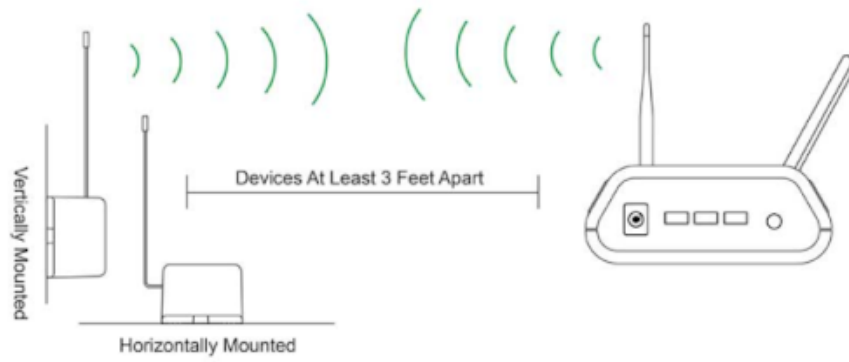


MaxiTrack Sensors

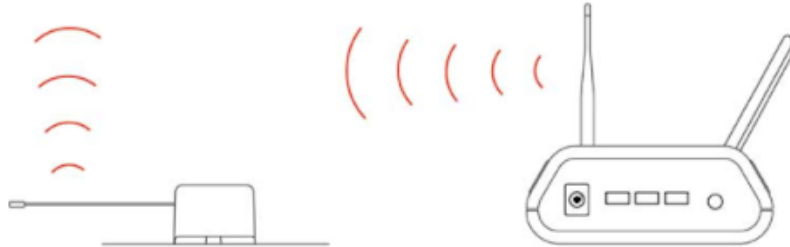
info@maxitracksensors.com | www.maxitracksensors.com



Correct



Incorrect





COMPLEMENTARY TECHNICAL INFORMATION

The **Maxitrack** undertakes to deliver the system ready for access via the internet or internal network (Ethernet).

The part of remote access via the Internet, as well as hosting pages or releases of external access to the Server must be made possible and configured by the local IT service provider.

The **Maxitrack** makes available to the market, equipment that record measurement data and trigger alarms for Temperature, Relative Humidity and other quantities and points out that it is not responsible for any losses of local products or equipment. The Data Loggers and Sensors provided by Maxitrack do not control the load. of cold / heating of your equipment, just monitor the Temperature and Humidity.

The **Maxitrack** is not responsible for any possible problem of local interference, with regard to Radio Frequency systems. We recommend that our Wireless Transmitters are properly protected against dust, water or high temperature, as well as a hostile environment.



SYSTEM REQUIREMENTS

Minimum requirement - i-DL Express-Pro™ (cloud):

- IE, Firefox or Google Chrome browser - The client's network or server will not be used.
- Power to the Acquisition Modules / i-DL Ethernet Gateway
- Power: 100 ~ 240 Vac - It is recommended to power these modules in low capacity UPS.
- Triggering alarms by email / SMS

For the i-DL Ethernet system to communicate in a network and trigger alarms, it is necessary that the entire system is connected and with the presence of an Internet signal.

Physical part:

For installation of the Gateway Modules, it is necessary to have an outlet and an available and configured network point.

Manual Version 09/09/2016 - For reasons of technological improvement, this manual may change without prior notice.



ABOUT WARRANTY

The **Maxitrack** is responsible for any manufacturing defects in its products or instruments, for a period of 6 to 12 months from the date of purchase / issue of the invoice.

If necessary, request replacement or repair from the commercial establishment where the product was purchased. The guarantee will only be valid upon presentation of the purchase invoice.

In case there is a need to send the equipment to our Laboratory for possible checks, the forward and return freight is the sole responsibility of the customer.

This Warranty does not cover any damage caused by the customer, loss of Temperature data or any other damage related to local Software or Equipment.



MaxiTrack Sensors

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