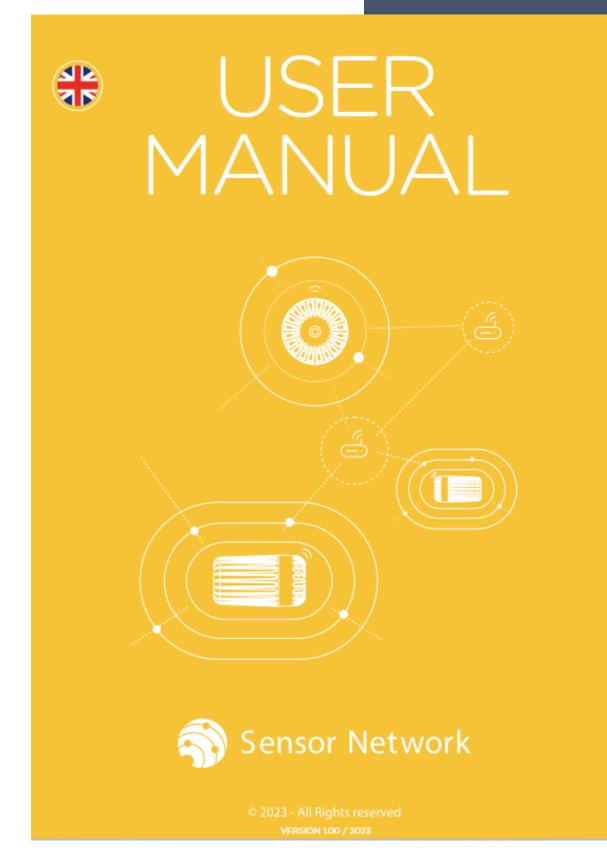
Company: "Sitech Consulting"Ltd Company address: Bularia; Sofia; str." Manastirski Livadi, bl. 66 B, fl. 7, apt.56





Contents

1.Introduction of the system	2
2.Specifications	2
2.1 Physical parameters of the sensor	2
2.2 Physical parameters of the gateway	4
3.Safety installation, use and maintenance	5
3.1. Gateway installation	5
3.2. Sensor installation	5
3.3 Software set up – registration and initial settings	6
3.3.1 Access to the software	6
4. Main menus	7
4.1 Main menu Administration	7
4.2 Main menu Dashboard	15
4.3 Main menu Sensor readouts	17
4.4 Main menu Alarms	24
5.Errors in this document	28
6. Liability Notice	28
7.Terms of Warranty	28



1.Introduction of the system

In our sensor network, multiple sensors can be used to monitor and collect data from a specific environment. Sensors in the network communicate with each other with the gateway device, which aggregates the data and sends it to a cloud or server for analysis.

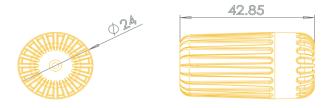
The gateway device receives the data from the sensors at 868 MHz and transmit with WiFi or 4G communication modules. The device must be located at place with good 4G network signal to allow sensor data to be transmitted over the Internet to a cloud or server for analysis.

Our sensor system enables long-distance and reliable data transmission over the Internet. The gateway acts as a bridge between the wireless sensor network and the Internet, allowing data to be transmitted in a format that is compatible with modern communication networks.

2.Specifications

2.1 Physical parameters of the sensor

Dimensions: **22** mm diameter and **40** mm high Weight: **30** grams

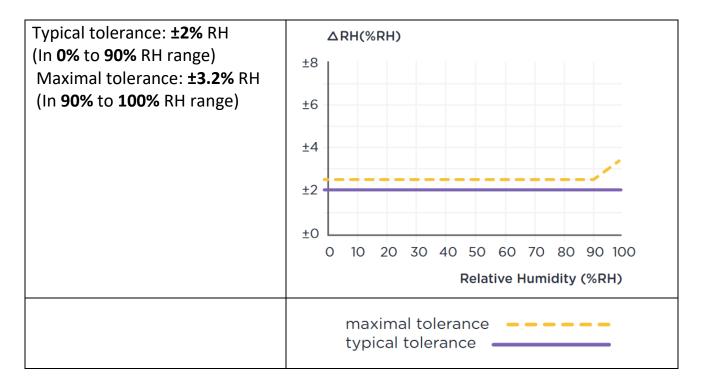


Environmental characteristics

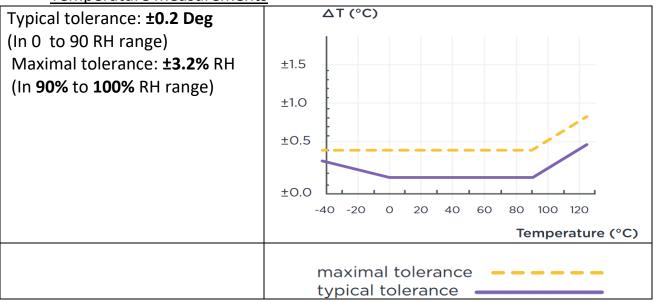
Operating temperature range: -20 to 60°C Operating relative humidity range: 5 to 100% (direct contact with the water) Storage temperature range: -20 to 60 Storage relative humidity range: 5% to 100% (non-condensing) Ingress protection: IP68



Humidity measurements



Temperature measurements

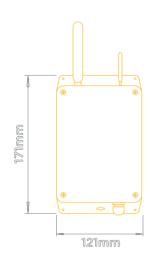


Accuracy (max): ± 0.2 °C (in -10 to +40°C range) Accuracy (min): ± 0.5 °C (in -20 to +60°C range) Resolution: 0.1 °C



2.2 Physical parameters of the gateway

Dimensions: H **55mm** x W **121 mm** x L **171mm** Weight: 300 grams



Environmental characteristics

Operating temperature range: -20 to 60°C Operating relative humidity range: 5 to 100% Storage temperature range: -20 to 60 Storage relative humidity range: 5 to 100% (non-condensing) Ingress protection: IP68

Barometric sensor

Accuracy: ±1.8%

Temperature measurements

Accuracy (min): ± 0.5 °C (in -10 to +40°C range) Accuracy (max): ± 0.9 °C (in -20 to +60°C range)

Power options

Input Voltage (including -15/+20% according to IEC 62368-1): 6 to 26V DC Input Voltage from power grid: 220 to 240V AC Input Voltage from 20W Solar Panel at 18 V nominal voltage

Warranty period: 2 years



3.Safety installation, use and maintenance

3.1. Gateway installation

(Step 1) The Gateway device has been meticulously designed to provide an easy wall mounting process using screws passing through the slotted with 22mm hole for placement. This feature greatly simplifies the setup process, saving time and effort, and eliminating the need for complex installation procedures. (See pic 1)



Gateway types

SNGW4GWIFI	Technical specification:
	* Sensor frequency communication at 868 MHz
	* File server communication with 4G or Wifi
	* Max sensors connection - 50 pcs
	* Maximum distance from the sensors in open space - 200 meters
	* Internal storage of data - 475000 records
	* Internal battery life – 5 days
	* Powered with 6-24V adapter of direct connection to the grid (220V)
	* Local download of the data
	* Waterproof box with IP68 protection

3.2. Sensor installation

(Step 2) The Sensor device has been meticulously designed to provide an easy wall and floor mounting process using screws passing through the slotted with 25mm hole for placement. This feature greatly simplifies the setup process, saving time and effort, and eliminating the need for complex installation procedures. (See pic 2)





3.3 Software set up – registration and initial settings

(Step 3) After step 1 mounting the gateway device to a wall and step 2 installing the sensors in any type of concrete, stone or wooden structure and all types of flooring, step 3 is registration in the Sensor Network software system as follows:

3.3.1 Access to the software

With an e-mail notification, each customer receives information with a link to access the platform and a root key to use for registration

Sensor Network	
Hello Last to your own proteits Sensor Network Network Control <th></th>	

After successful registration, the client has 24-hour access to the Software system Sensor Network



4. Main menus

Five main menus are arranged vertically on the left side of the screen. Please enter in main menu Administration shown on the pic 4

🌍 Sensor Network		
😪 Dashboard	(up and down movement)	
🔀 Administration 🗸	main menu	
(a) Sensors	submenu	
🛃 Gateways	7	
🖽 Groups		
Sensor readouts		
Reports ^		
🖸 Alarms 🗠		

4.1 Main menu Administration

The main menu Administration Groups).	🔀 Adminis	stration	has 3 submenus (Sen	sors , Gateways,
- First, please go to submenu administrative settings. (See Pict		Sensors	and make your initia	ll sensor
(Picture 5)				
Sensors admnistration View all your active and inactive sensors		Search		Q
Photo ↑ Name	Group 个	Environment	↑ Description ↑	Edit 🕇



* To add to the serial numbers of the sensors a name(1) and a photo(2) of your choice, an environment (3) in which the sensor will be placed, as well as a grouping of

__

the sensor (4), please use the button

*On the screen is shown your sensors listed with their serial numbers in menu Name.

Picture 6)

裔 Sensor Network	Sensors View all your			Search			Q
Dashboard	Photo 🔺	Name	Group	Environment 🔺	Description	*	Edit 🔺
DD Dashibbaru	<u> </u>	4256		I.			
💥 Administration 🗸 🗸	<u></u>	4442					
ලි) Sensors	<u></u>	4412					
🦾 Gateways	<u></u>	4415					
🛱 Groups							

*After pressing the button, the following window will be displayed on the screen (See Pic 7). Please enter the data - name of the sensor, environment and if you wish you can add a photo where the sensor is placed for easier orientation. After making the changes, please press the button UPDATE. If you do not want the changes to be saved, please press the button CANCEL.

REMARK: Window "Assign to group" is still inactive, after creating a group you will return to this menu again!



(Picture 7)

	Edit Sensor		×	
(brov	vse picture	Hamidity Temperature 22% 16°C Sessorreme	92% add se	ensor name
	Assign to group Group_1 v Description	Eastronneat Waad	- Choose	environment
(it is not reqired)	URWE CAUCE.			

Please see on Picture 8 an example of how the data should look after it is added by you

(Picture 8)									
<table-of-contents> Sensor Network</table-of-contents>		admnistr			Search			Q	
Dashboard	Photo ▲	Name	▲ Group	۸	Environment	A	Description	۸	Edit 🔺
	<u></u>	4442 Test 1			Sand	Measurer	nents will be used for proje	ct "20265"	
💥 Administration 🗸 -		4256 Test 1			Sand	Measurer	nents will be used for proje	ct "20265"	<u></u>
ි) Sensors	A *	4412 Test 1			Sand	Measurer	nents will be used for proje	ct "20265"	
Gateways	<u> </u>	4415 Test 1			Sand	Measurer	nents will be used for proje	ct "20265"	<u>/_</u>
 Groups Groups Gensor readouts 						< 1 > wing 1-4 of 4 rows			
- Second, ple	ease go t	o subme	enu <u>GAT</u>	EWAYS	📇 Gate	eways	The window b	elow wil	I
appear on	the scree	en (See F	9 Picture)					



Picture 9

Edit Gateway	
it is not regired	

*After pressing the button, the following window will be displayed on the screen (See Pic 10). Please enter the data - name of the GATEWAY, description and if you wish you can add a photo where the GATEWAY is placed for easier orientation. After making the changes, please press the button UPDATE. If you do not want the changes to be saved, please press the button CANCEL.

(Picture 10)

	Edit Gataway	Galenage namue	x	
	***	Andyrin prop No group andyred	add gateway	name
(it is not regired	Description			
(it is not fedfred	uron: c.was.			



VERSION 1.00 /2023 Please see on Picture 11 an example of how the data should look after it is added by you

_			
		4.4	
	CTURA		- 1
	cluie		

ashboard		s admnistration				Sear ch	۵
ministration •							
Sensors	Photo	Name 👃	Group 🕹	Enstronment 👃	Description		Edit
Gateways	- SA -	1085 TEST 1			Measuments will be used for projec	a "20265"	<u>e_</u>
Groups	- Sk	1042					<u>6</u>
				-14 c 🚹			

- Third, please go to su screen (See Picture 12 Picture 12		The window below will appear on the
Sensor Network	Groups admnistration All active sensor's data in real time	NEW GROUP
🔐 Dashboard		Please select group or create new one.
🔀 Administration 🗸 🗸		
$\left(\begin{smallmatrix} \circ \\ O \end{smallmatrix} \right)$ Sensors		
Gateways		
🗄 Groups		

* From the button NEW GROUP you can save the name of the group of sensors that will be connected to the GATEWAY as shown on the Picture 13



Ser	nsor <mark>Ne</mark>	etwork	
	Croups administration	_	VERSION 1.00 /2023
Sensor Network	Groups admnistration All active sensor's data in real time	NEW GROUP	
B Dashboard		Please select group or c	reate new one.
🔀 Administration 🗸 🗸			
() Sensors			
😤 Gateways		New group name:	
Groups		GATEWAY TEST 1	
C Sensor readouts		SAVE CANCEL	
🔝 Reports 🗸 🗸			

* You already have a group name set, to add sensors to the group please click on the field as shown on Picture 14

(Picture 14)

🌍 Sensor Network		John Smith 🏐 🗸
8 Deshboard	Groups administration All active sensor's date in real time	NEW GROUP
 Sensors Gateways 	GATEWAY GROUP TEST 1	Please select group or create new one.
🗄 Groups		
	here	

* To add sensors in a group to GATEWAY, please use the button "ADD ELEMENTS" as is shown on Picture 15



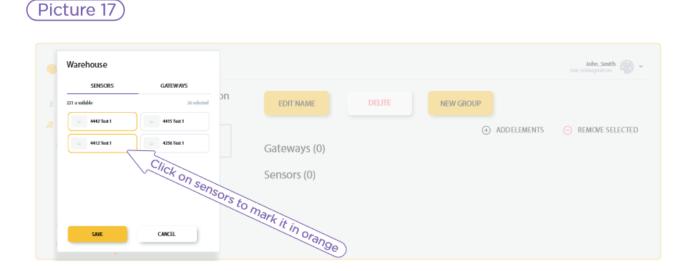
(Picture 15)

🎒 Sensor Network			John Smith 👘 🗸
Dushboard Administration ^ Sonsors Greeups Greeups	Groups administration All active sensor's data in real time CATEMAY GROUP TEST 1 Cathemager: D/ Sensare: D	edit name Gateways (0) Sensors (0)	DELITE NEW GROUP
CD rendgi			ick here

In this window there are two buttons named SENSOR and GATEWAY (SEE Picture 16)

(Picture 16)				
Warehouse	GATEWAYS	EDIT NAME DELETE	NEW GROUP	Lulcho Petrishki Lulcho@duck.com
4 available	2 selected	Gateways (0)	ADD ELEMENTS	REMOVE SELECTED
4442 Test 1	🛋 4415 Test 1	Sensors (0)		
4412 Test 1	4256 Test 1			

* When you click on a button SENSOR it is active when is highlighted with a purple line. A window with the renamed sensor/s appears on the screen. To select who you want to join the already existing group, please click on the sensor to highlight it in orange and then press button "SAVE" as shown on Picture 17





Picture 18)

VERSION 1.00 /2023

* When you click on a button GATEWAY it is active when is highlighted with a purple line. A window with the renamed gateway/s appears on the screen. To select who you want to join the already existing group, please click on the gateway to highlight it in orange and then press button "SAVE" as shown on Picture 18

Warehouse sensors carewars 20 weinheit The core of the sensor of the sensor

* On the screen you will see your renamed Gateway and the renamed sensors you have chosen to be connected to it as shown in picture 19

Sensor Network					John_Smith
8 Dashboard	Groups administration All active sensor's date in real time	EDIT NAME	DELITE	NEW GROUP	
Administration ~ (3) Sensors (4) Gateways	GATEWAY GROUP TEST 1 Gateways: 0 / Sensors 0	Gateways (1)		ADDELEMENTS	⊖ REMOVE SELECTED
Groups		Sensors (2)			

*If you want to remove a sensor from the group, please highlight the sensor by clicking on it

REMOVE SELECTED

and it turns orange and then select button



			VER	RSION 1.0	00 /2023
		DELET	E		
*If you want to delete the whole group please use bu	tton				
*To change the group name, please use the button	EDI	TNAME			
*To change the group hame, please use the button					

* Please return to the submenu "SENSORS", in which the sensors you selected are automatically recorded in the GROUP field as shown in Picture 20

(Picture 20)

Sensor Network							John_Smith 🌍 🗸
98 Dashboard		admnistra tive and inactive sen				Sear ch.,	٩
X Administration ^	Photo	Name 👃	Group 👃	Environment 4	Description		Edit
 Gateways 	54	4442 TEST 1	GATEWAY GROUP TEST 1	SAND	Measurment will be used for project "20265"		4
🖽 Groups	- Sk -	4415 TEST 1		SAND	Measurment will be used for project "20265"		<u>e.</u>
🖂 Sensor readouts	<u>.</u>	4412 TEST 1	GATEWAY GROUP TEST 1	SAND	Measurment will be used for project "20265"		₫
🖾 Reports 🔍 🗸	54	4256 TEST 1		SAND	Measurment will be used for project "20265"		<u>e.</u>
(3) For sensors A For Gateways							
E in carenaya							

4.2 Main menu Dashboard

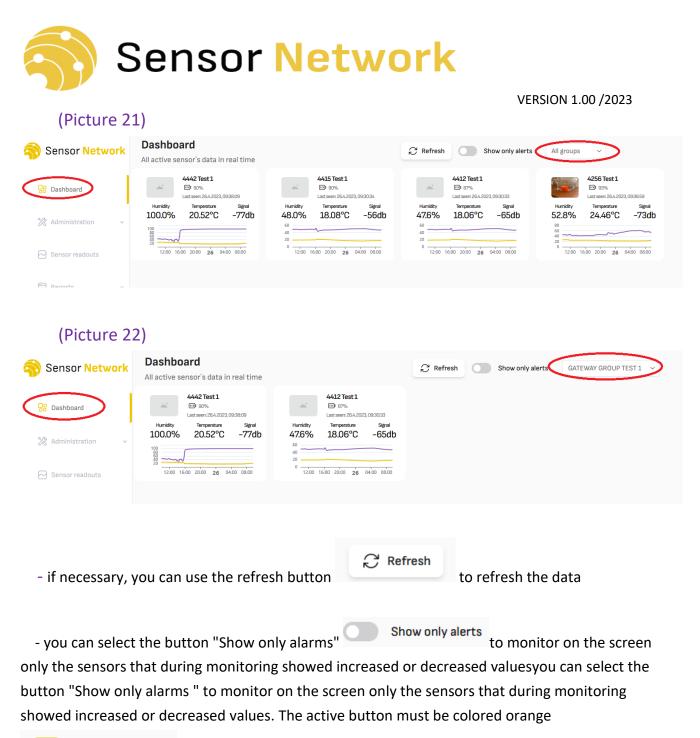
The dashboard menu is a feature that allows you to see a general monitoring of humidity, temperature and the signal of your sensors. You can use a dashboard to track, analyze and display key performance indicators, metrics and data points related to your sensors. A dashboard connects to your data sources and transforms the raw data into visualizations such as tables, charts or graphs. By using a dashboard, you can monitor the overall health of your environment, process or system in real time.

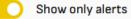
There are three active buttons on the screen that give you the following options:

All groups 🛛 🗸

as it shown in Picture 21 or only a

- to choose monitoring of All groups specific group shown in Picture 22





To display the humidity and temperature graph for a specific sensor, please click on the sensor for which you want the data to be displayed. By moving the mouse pointer along the horizontal axis, you can observe the change in temperature and humidity The graphic that appears is shown in the picture 23.



(Picture 23)

VERSION 1.00 /2023



4.3 Main menu Sensor readouts

The Sensor readouts menu is a feature that allows you to visualize the data collected by your sensors. You can use this menu to compare sensors data or view single sensor graph. Comparing sensors data lets you see how different sensors behave under different conditions or locations. Viewing single sensor graph lets you see the changes in a specific sensor over time. You can use this menu to create graphs and charts from your sensor data. By using the Sensor readouts menu, you can monitor, analyze and display your sensor data with detailed information.

There are three active buttons on the screen that give you the following options:

- Select all This button allows you to select all sensors in your account, which are colored with an orange line, so you can monitor, analyze and display your sensor data with detailed information;

Clear sellection This button allows you to remove the sensor selection you have

made;

- All groups ~ This button allows you to see on the screen all existing sensors in your account or by clicking on it you can choose to monitor your grouped sensors

GATEWAY GROUP TEST 1 ~

If you selected the option to monitor only grouped sensors, you can

again make a selection by clicking on your selected sensors or selecting the button <a>Select all and

to remove the sensor selection you have made with imes Clear sellection ;



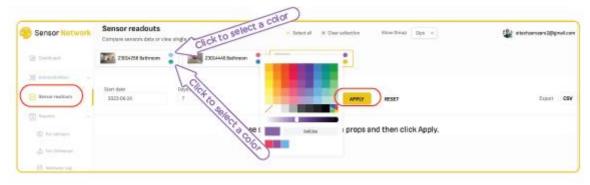
To ensure that the sensors you have selected are the correct ones please ensure that



they are marked in orange by you

When selecting more than one sensor whose temperature and humidity graph you want to monitor, it is necessary to change the colors of your choice so that you can distinguish the graphs of the sensors. The color change process is shown in Picture 24

(Picture 24)

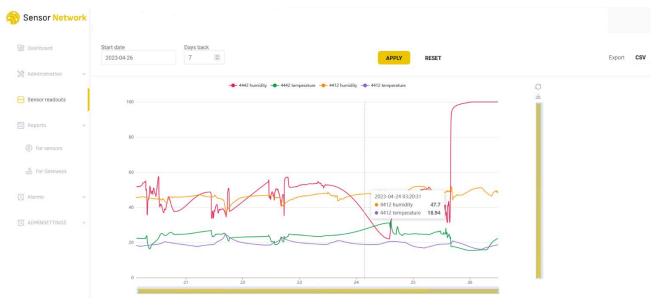


APPLY

After clicking the button screen as shown in a picture 25

a graph of your selected sensors appears on your

(Picture 25)





* Working with graphics from Picture 25 gives you the following options:

Start date	Days back		
2023-04-27	7	$\hat{}$	

You can choose the review start date and the number of days to review from these two fields. Then go back to the graph. The horizontal and vertical lines are orange. Drag the graph by clicking on the horizontal line and adjust it to the days you selected. You can also zoom in and out by clicking on the left side of the horizontal line and move the graph sideways.

- Above the vertical orange line are the following two symbols $\,\,^{\bigcirc}\,$ "Restore"/ $\,^{ op}\,$ "Save to image"

The "Restore" symbol allows you to reset the graph in the initial position of the sliders.

The "Save to image" symbol allows you to save your graphics as an image file outside the software system. This is useful if you want to share your graphics with others who may not have access to the software system. To use this feature, simply click on the "Save to image" symbol, and the software system will save your graphics as an image file. (See picture 26)

- Export CSV If it is necessary to export the information collected by the sensor in an excel table, please use the CSV button (see picture 26)

(Picture 26)

Senesrreadouts	Start date Days back :2003-66-26 7 :	Econ CSV
E Reports	2004071/unidy 2004072/unidy 2004072/unidy 4/2004072/unidy 4/20	
🖸 Alerna 🔹	- MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	
	"The second seco	

4.4 Main menu Reports

The menu Reports allows you to export the information on the groups you have created. The information that is displayed on the screen is at the last moment when information was submitted to the server and the value was recorded.

The reports you can export are for both the sensors and gateways you have in your account.

S S	enso	or N	etwo	ork			
The format	of the documer		n export are: CS\		1/VI SV	VERSIC	N 1.00 /2023
			rexport are: cov	CSV	JSON	XLSX	
			the information	directly	y from a	button	ē
Regarding w	·	s you want	t to make your r		on, you c	an make	e your choice
	Column Pressure	~	Type > ~	Value	$\hat{\cdot}$		
from the buttons (Picture 27	7)					as sho	own in Picture 27
Sensor Net	work Sensors statistic	tine	Separt 0	SV JSON XLSK	ø		🎡 sitectaeraaetai@gmail.com

Sensor Network				Expert CSV (5	KNN XLSK dB		abechaerasera?@gmail.c
	All active sensor's data in real t	ine					-
92 backbased	SENSORS GATEWAYS	\supset					
12 Administration v	Column	Tipe	Le			Group	Environment
E lensormalis.ts				IPPLY RESET		All sensors ~	- N
🙆 Asperta 💿 👻	Serial Number Humidity						
	Temperature (10)	ant soon a	Hamidity A	Temperature "C &	RSSI #	Environment A	Battery A
v Karna	1159	66.2023, 12:13:12	55.6	24.64	35	-	B 100.0%
T ADMINISTITINDS ~	Battery 23044402	a 8.2023, 12:09:12	50	24.09	22	-	₿ 65.15
	23044462	26.6-2023, 12:09:12	50	24.09	22	-	B 65.15
	23044462	26.6.2023, 12:09:12	95	24.09	22	-	B 832
	23044478	26.6.2023, 12.05.13	54.7	24.4	28	-	⊕ %35

To track the parameters of all reports on a sensor or group of your preference, please use the

following sub-menus: detail below:

- For Gateways and - These submenus will help you see the history information

of the all gateways/sensors in a different tabular form. From the drop-down menu, select the gateway/sensors for which you want the information to be displayed, as shown in Picture 28 (for all sensors) and Picture 29 (for all gateways)



(Picture 28)

Sensor Network	Sensors statistic All active sensor's data in real time	Export CSV JSON XLSX	Q petarangin	irov@speed
OB Dashboard	SENSORS GATEWAYS			
💥 Administration 🗸	Column Type Value	_	Group Environment	
Sensor readouts	Serial Number V V C APPL	RESET	All sensors ~ All	~
an Reports 🗸 🗸				
() For sensors	Serial Number 🔺 Last seen 🔺 Humidity 🔺	Temperature °C ▲ Infrared °C ▲	RSSI 🔺 Environment 🛦 Bat	ttery
🐣 For Gateways	24014603 23.04.2024, 08:52 45.3	16.25	99 Open Air 💷 9	95.8%
	24014604 23.04.2024, 08:46 46.2	18.56	84 Open Air 💷 9	95.8%
🖹 Gateway Log	24014605 23.04.2024, 08:45 46.6	16.13	71 Open Air 💷	100%
🔇 Alarms 🗸 🗸	\smile	\ll \langle 1 \rangle »		
		Showind 1-3 of 3 rows		
(Picture 29)				
🔿 Sensor Netw	ork Gateway statistic	E	xport CSV JSON XLSX	

Sensor Network	All active gateway's data in real time	XLSX
OB Dashboard	SENSORS GATEWAYS	
% Administration 🗸 🗸		
Sensor readouts	Column Type Value Serial Number > > Apply RESET	
🖬 Reports 🗸 🗸		
බ් For sensors	Serial Number ▲ Last seen ▲ Pressure ▲ Temperature °C ▲ Batter	y 🔺
🐣 For Gateways	1059 23.04.2024, 08:52 947 21.00 III	6
🖹 Gateway Log	$\langle \langle 1 \rangle \rangle$	
	Showing 1-1 of 1 rows	

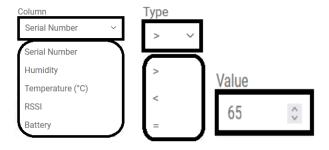
Also, from sub menus

and For Gateways You have the flexibility to conduct your For sensors analysis using indicators of your choice (Serial Number/Temperature/Humidity/Battery/RSSI. Use the drop-down menus marked in Picture 30 – A (for sensors) and 30 – B (for gateways).

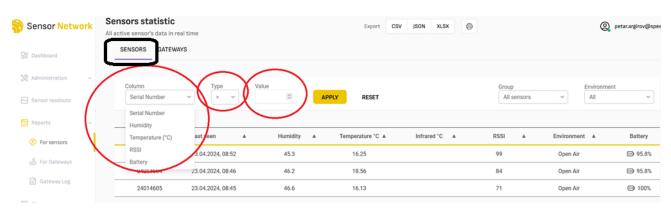
	Column		Туре		Value	
In the table you will see	Humidity	~	>	~	\$	and you can
In the table you will see						and you can

select indicators to generate a report for example as shown below:

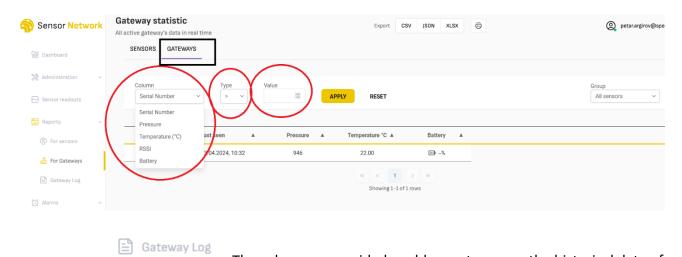




(Picture 30 - A)



(Picture 30 - B)



- The sub-menu provided enable you to access the historical data of gateway in a distinct table format. You can choose the specific gateway you wish to review information for from the drop-down menu as shown in Picture 31

Sensor Network

VERSION 1.00 /2023

(Picture 31)

Sensor Network	Gateways lo	B		Export	CSV JSON XLSX	4
	Check your alarm log for erro	ors with gateways				
CS Dashboard	Show from	Gateway name				
00 Dashboard	2024-04-12	1056 ~	APPLY	RESET		
% Administration 🗸		1050				
		1056	\rightarrow			
Sensor readouts	Serial Number 🔺	Last seen 🔺	Pressure 🔺	Temperature °C ▲	Battery 🔺	
Reports ~	1056	2024-04-11 21:03:52	1029	23	··· · -%	
(⁵) For sensors	1056	2024-04-11 21:18:11	1029	22	···· -%	
🐣 For Gateways	1056	2024-04-11 21:31:02	1029	22	··· · -%	
	1050	2024-04-11 21.31.02	1029	22	- <i>1</i> 0	
🖹 Gateway Log	1056	2024-04-11 21:43:57	1029	22	··· · -%	
🗘 Alarms 🗸	1056	2024-04-11 22:02:28	1029	22	··· · -%	
	1056	2024-04-11 22:13:54	1029	22	Ⅲ –%	

By clicking on tab Serial Number A, Last seen A (pressed), Pressure A or Temperature °C A the main menus from the table, you can select the indicator by which you want the values sorted, as shown in Picture 32. The arrow A T indicates the increasing or decreasing criteria of the pressed column. The sequence can be changed by a second click on the tab.

(Picture 32)

Sensor Network	Gateways log Check your alarm log for erro	ors with gateways		Export	CSV JSON XLSX	\$
OB Dashboard	Show from 2024-04-12	Gateway name	APPLY	RESET		
💥 Administration 🗸						٦
Sensor readouts	Serial Number 🔺	Last seen 🔺	Pressure 🔺	Temperature °C 🔺	Battery 🔺	
_						-
Reports 🗸	1059	2024-04-11 21:10:17	959	24	III) -%	
For sensors	1059	2024-04-11 21:30:17	959	24	··· · -%	
For Gateways	1059	2024-04-11 21:50:17	959	24	··· -%	
🖹 Gateway Log	1059	2024-04-11 22:10:17	959	24	··· · -%	
🗘 Alarms 🗸	1059	2024-04-11 22:40:17	960	24	··· -%	
~	1059	2024-04-11 23:00:17	959	24	··· -%	



4.5 Main menu Alarms

This menu allows you to configure which values you want to enable alarms for humidity, temperature, signal strength or battery level.

To set your alarm preferences you need to use the following submeny ⁽⁾ Sensor settings</sup> or Sensors Log

- Sensor settings - Used to set alarms to sensors you select or to sensors that belong to a group. For this purpose, please use the drop-down menu to make your selection as shown in Picture 33

Sensor <mark>Network</mark>	alarm settings the alarms for single o			Show Group	
C Dashboard	Sensor number▲	Group 🔺	On/Off	Humidity	All sensors GATEWAY
	4445	Observed sensors	Q	53% - 84%	Not used
🖁 Administration 🗸 🗸	4441	Observed sensors	Ø	53% - 90%	Observed
Sensor readouts	4442	Observed sensors	Ø	96% - 100%	4℃ - 44°C
Reports v	4447	Observed sensors	Ø	96% - 100%	4°C - 44°C
	4412	GATEWAY GROUP TEST 1	Ø	15% - 53%	-50°C - 100°C
) Alarms ~	4415		Ö	15% - 100%	-50°C - 100°C

Your selection is displayed on the screen. Picture 34 shows what the screen looks like if you have chosen to display group sensors on the screen.

-	multi sensors		Show	Group Observed sensors ~
Sensor number▲	Group 🔺	On/Off	Humidity	Temperature
4256	Observed sensors	(0% - 100%	-50°C - 100°C
4445	Observed sensors	(0% - 100%	-50°C - 100°C
4441	Observed sensors	(0% - 100%	-50°C - 100°C
4442	Observed sensors	(0% - 100%	-50°C - 100°C
4447	Observed sensors	(0% - 100%	-50°C - 100°C
	~ ~ ~	1	> >>	
Customize t	Sensor number▲ 4256 4445 4441 4442	Customize the alarms for single or multi sensors Sensor number▲ Group ▲ 4256 Observed sensors 4445 Observed sensors 4441 Observed sensors 4442 Observed sensors 4447 Observed sensors	Customize the alarms for single or multi sensors Sensor number▲ Group ▲ On/Off 4256 Observed sensors Image: Colspan="3">Image: Colspan="3" Image:	Snow Customize the alarms for single or multi sensors Sensor number▲ Group ▲ On/Off Humidity 4256 Observed sensors ③ 0% - 100% 4445 Observed sensors ④ 0% - 100% 4441 Observed sensors ⑤ 0% - 100% 4442 Observed sensors ⑥ 0% - 100% 4447 Observed sensors ⑥ 0% - 100%



Beside each sensor's name there is a box that you need to tick with a single click to choose the sensor for which you want to set alarms. Alarm values are set by sliding left or right along the purple horizontal line on each of the indicators as shown in Picture 35.

(Picture 35	5)							
🌍 Sensor Network		alarm settings the alarms for single or	multi sensors		Show	Group Observed sensors ~		💓 s
C Dashboard		Sensor number▲	Group 🔺	On/Off	Humidity	Temperature	Values for sensor number:	
		4256	Observed sensors	Ô	0% - 100%	-50°C - 100°C	Enable Allarms	
💥 Administration 🗸 🗸	2	4445	Observed sensors	Ó	0% - 100%	-50°C - 100°C	Humidity	0-100%
Sensor readouts		4441	Observed sensors	Ø	0% - 100%	-50°C - 100°C	32 51	
Reports ~		4442	Observed sensors	Ø	0% - 100%	-50°C - 100°C	Temperature	-50°C - 100°C
		4447	Observed sensors	Ő	0% - 100%	-50°C - 100°C	- <u></u>	
🔯 Alarms 🗸 🗸			Sho	1 wing 1-5 of 5	> >>		RSSI	0-100 db
😧 Sensor settings							Battery	0-100%
🔯 ADMINSETTINGS 🗸							"Save" will update the alarm for Sensor SAVE CLOSE	Ŏ

If you want to make an alarm with the same parameters, but on several sensors, you need to click in the box in front of the sensor name and give the Save button as shown in the picture 36

(Picture 36)

Sensor Network		alarm settings the alarms for single or			Show	Group Observed sensors ~		s 🕄
😔 Dashboard	•	Sensor number A	Group 🔺	On/Off	Humidity	Temperature	Values for sensor number: 4445	
		4256	Observed sensors	Q	0% - 100%	-50°C - 100°C	Enable Allarms	
💥 Administration 🗸 🗸		4445	Observed sensors	Ø	32% - 51%	-5°C - 18°C	Humidity	0-100%
Sensor readouts		4441	Observed sensors	Õ	0% - 100%	-50°C - 100°C	32 51	
Reports ~		4442	Observed sensors	Ø	0% - 100%	-50°C - 100°C	Temperature	-50°C - 100°C
		4447	Observed sensors	Q	0% - 100%	-50°C - 100°C		
🔯 Alarms 🗸 🗸				1 wing 1-5 of 5	> >>		RSSI 0	0-100 db
↔ Sensor settings							Battery	0-100%
Ω adminsettings 🗸 🗸							Save CLOSE	NUMBER:



After successful configuration, the icon

in the menu turns in orange color



If you return to the Dashboard menu in the upper right corner of each sensor you select, the number of alarms appears in red color as shown in the picture 37

(Picture 37)

		AF	
🍣 Sensor Network	Dashboard All active sensor's data in real time	C Roka Sheekedy darts Manners	👙 stacharozars2@ijmel.com
😥 Dashtoord	ni Distriction	2004452 2004458 2004478 200478 2004	
22 Administration v	558% 246VC -35db	56% 24.09°C -224b 54.5% 24.51°C -28ab 573% 23.96°C -21db	62.5% 25.97°C -54db
E Reports -	7 100 100 10 100 100 100	1 1 <th1< th=""> <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<></th1<>	x ⁷ <u>vir nir is nir nir un</u>
😨 Aarra 🗸 🗸	 B tri- Lation matrix and same applications applied 53,5% 25,09°C -28db 	All District District <thdistrict< th=""> District D</thdistrict<>	AT D an at an at a set of the set
C ADMINETTINGS -			101 200 20 100 000 520

Sensors Log

This submenu will help you, after you have set parameters for alarms, to see their information in a different tabular form. From the drop-down menu, select the sensor for which you want the information to be displayed, as shown in Picture 38.

(Picture 38)

Sensor Network	Sensors alarm log Export Csv JSON XLSX Check your alarm log for errors with sensors Export Csv JSON XLSX
Co Dashboard	SENSORS GATEWAYS
💥 Administration 🗸	Show from Alarmed Sensors
Sensor readouts	2023-06-18 APPLY RESET
Ter Reports ~	23044462 23014256
🛈 Alarms 🗸 🗸	Serial Number 🔺 Last see 23014445 Humidity 🔺 Temperature 'C 🔺 RSSI 🔺 Environment 🔺 Battery
🔇 Alarms 🗸 🗸	23014446 No matching records found
🖹 Sensors Log	23014442
(+) Sensor settinés	23014412 « < 1 > >> Showing 0 rows

You can use				etwc re 39 or use if		VERS	SION 1.00 /2 e of the for	
indicated	Export CS	SV JSON	XLSX	or print the ir	nformatio	on 🖨		
(Picture 3	9)							
Sensor Network	Sensors alarm log Check your alarm log for er			Export C	CSV JSON XLSX		S	itechzerozero2@gmail.cc
😪 Dashboard	SENSORS GATEWA	AYS						
💥 Administration 🗸 🗸	Show from 2023-06-18	Alarmed Sensors 23044462 ~	APPLY	RESET			Environm	ent v
🕞 Reports 🗸 🗸	Serial Number 🔺	Last seen 🔺	Humidity 🔺	Temperature 'C 🔺	RSSI 🔺	Environment	Battery A	
🔯 Alarms 🗸 🗸	▼ 2023-05-18 (21 iten	ns)						
🗟 Sensors Log	23044462	18.6.2023, 18:08:34	46.5	26.43	64	-	■ 95.8%	
🗑 Sensor settings	23044462	18.6.2023, 18:18:34	46.6	26.2	61	-	···· 95.8%	\backslash
(23044462	18.6.2023, 18:28:34	46.7	25.82	31	-	➡ 102.8%	
ADMINSETTINGS	23044462	18.6.2023, 18:38:36	46.9	25.42	31	-	···· 95.8%	
	23044462	18.6.2023, 18:48:35	50.6	25.73	28	-	95.8%	
	23044462	18.6.2023, 18:58:35	50.1	28	29	-	···· 95.8%	
	23044462	18.6.2023, 19:08:35 18.6.2023, 19:18:35	45	28.72	29 28	-	⇒ 95.8% ⇒ 102.8%	

You can, by clicking on the main menus from the table, choose for which indicator you want the alarms to be displayed, as shown in Picture 40

27.35

(Picture 40)

23044462

18.6.2023, 19:28:35

Sensor Network	Sensors alarm log Check your alarm log for en SENSORS GATEWA	rors with sensors		Export	CSV JSON XL	sx 🖨	() at	techzerozero2@gmail.
Administration ~	Show from 2023-06-18	Alarmed Sensors 23044462 ~	APPLY	RESET			Environme	nt
문 Reports · ·	Serial Number	Last seen 🔺	Humidity	Temperature "C 🔺	RSSI	Environment	Battery 🔺	1
🖸 Alarma 🗸 🗸	 ✓ 2023-06-18 (21 item 		Hammary	rempeature c x	Roor	A Dividential A	battery a	-
Sensors Log	23044462	18.6.2023, 19:18:35	43.3	27.91	28		102.8%	
Sensor settings	23044462	18.6.2023, 19:28:35	43.6	27.35	29	71	■ 95.8%	
	23044462	18.6.2023, 19:38:37	44	26.71	28	-	■ 102.8%	
	23044462	18.6.2023, 19:48:34	44.8	26.27	28		■ 102.8%	
🖸 ADMINSETTINGS 👻	23044462	18.6.2023, 19:08:35	45	28.72	29	π.	95.8%	
	23044462	18.6.2023, 19:58:34	46	24.86	28		95.8%	
	23044462	18.6.2023, 18:08:34	46.5	26.43	64	-	95.8%	

■ 95.8%



5.Errors in this document

In case errors are detected in this document, please reach out to the manufacturer. Spotted errors will be corrected and this version of the document will be updated.

6. Liability Notice

Failure to comply with the conditions specified in this document relieves SiTech Consulting Ltd of any responsibility for the safety, reliability and performance of the equipment. Each operator must read this manual in its entirety before using the system. Only authorized personnel may perform assembly, modification or repair of the system. The equipment must be used in accordance with its intended purpose.

7. Terms of Warranty

• SiTech Consulting Ltd. will, at its option, repair or replace any part of its product(s) that proves defective due to improper workmanship or materials.

• Repaired or replaced parts/products will be provided by SiTech Consulting Ltd on an exchange basis. This warranty does not cover any damage to this product resulting from accident, abuse, misuse, natural or personal calamity, or unauthorized disassembly, repair or modification.

• Devices sold by SiTech Consulting Ltd have a 24-month warranty. This warranty only covers repair or replacement of defective products as stated above.

Version	Rationale	Date
1.0	Creation	10.2023