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ENVIRONMENTAL MONITORING SOLUTION (EMS)

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EMS WEB-INTERFACE LOG-IN

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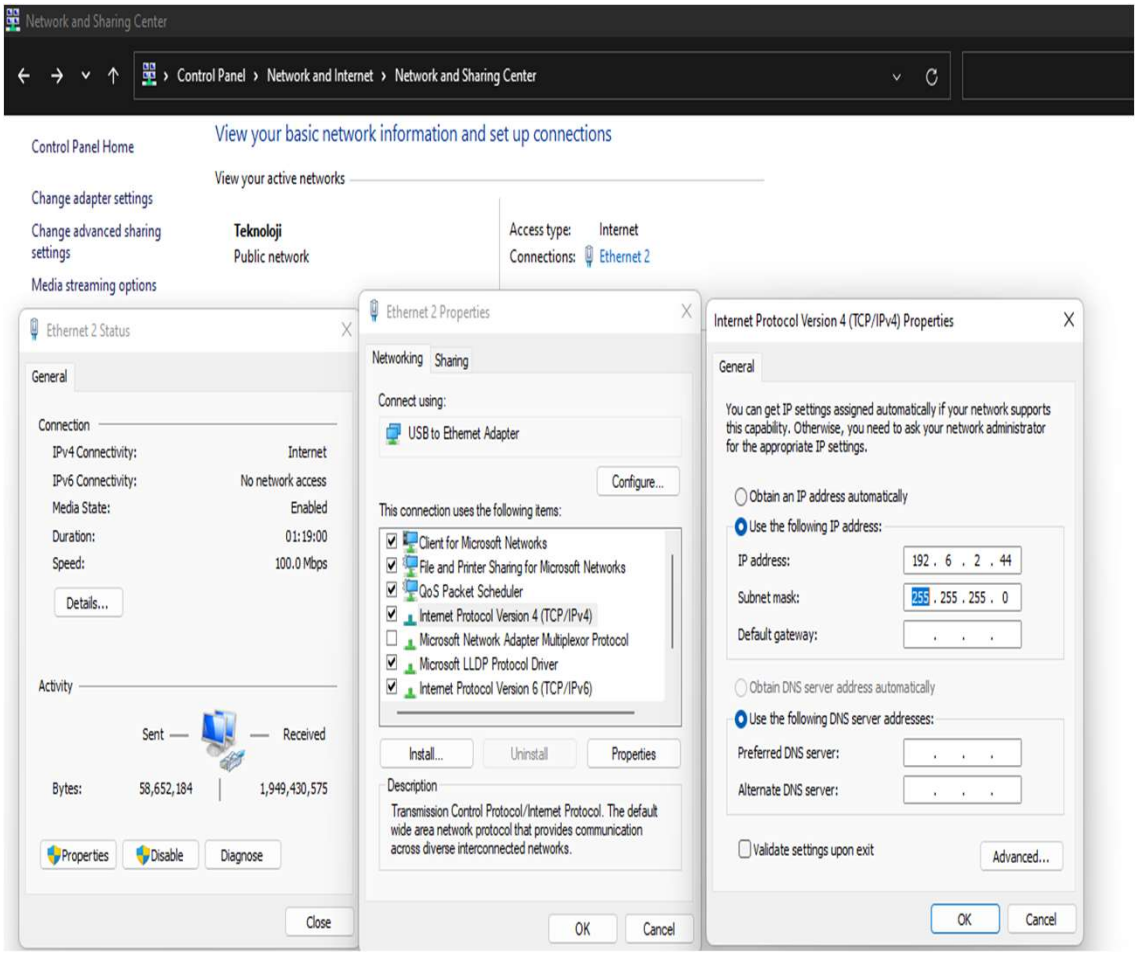

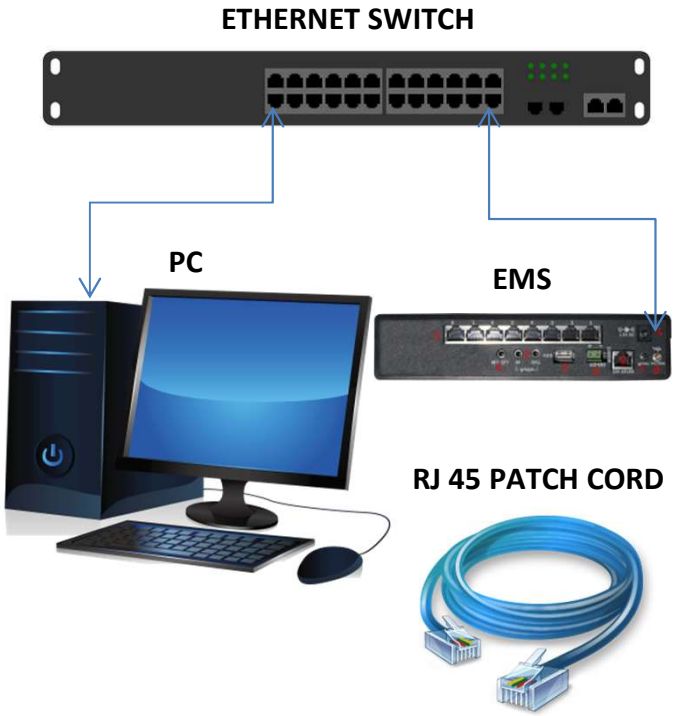

Configure the IP Address of the Computer to Access the Ems Interface;

In the Control Panel>Network and Internet>Network and Sharing , change the internet Protocol address according to the ip block of the EMS. In the example, the IP address of the EMS is 192.6.2.44

Default EMS IP adresse is 192.168.0.100 .

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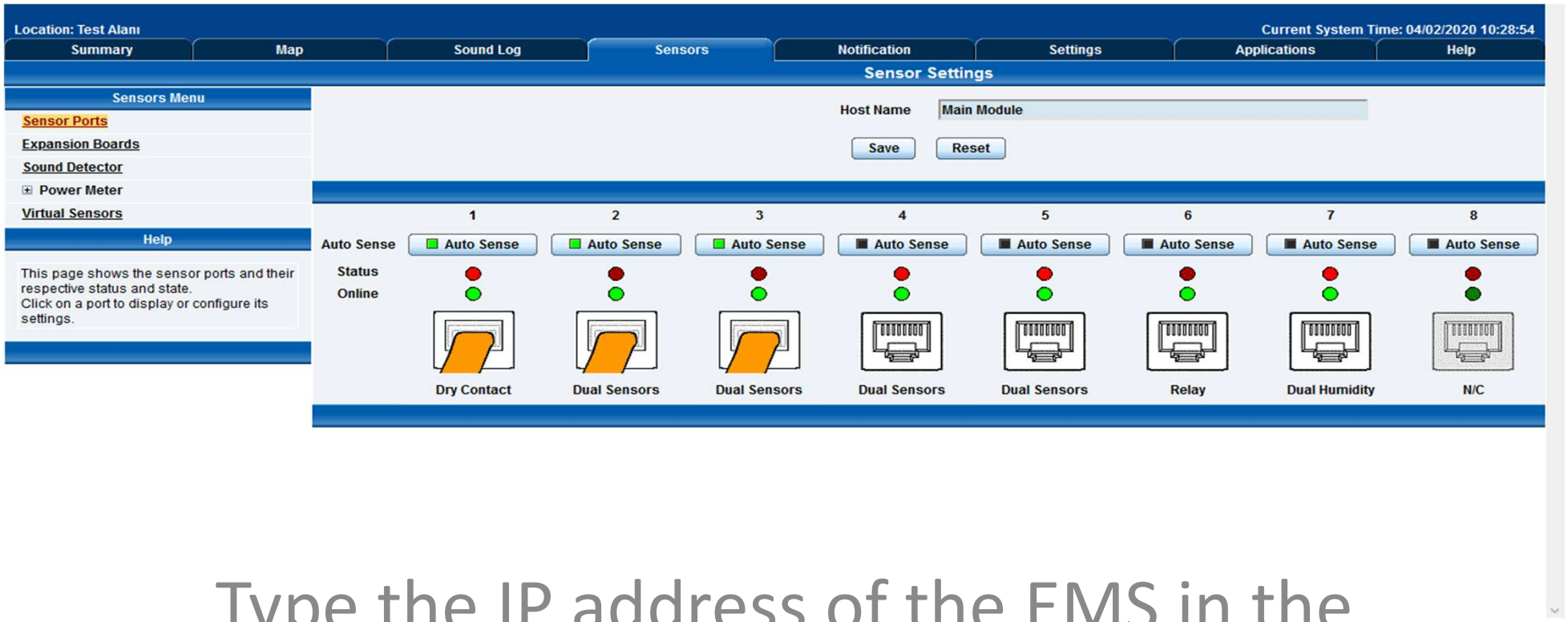

Type the IP address of the EMS in the address section of the internet browser (192.6.2.44) and press the Enter key. It will not ask for username and password on first login.

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EMS NETWORK SETTINGS

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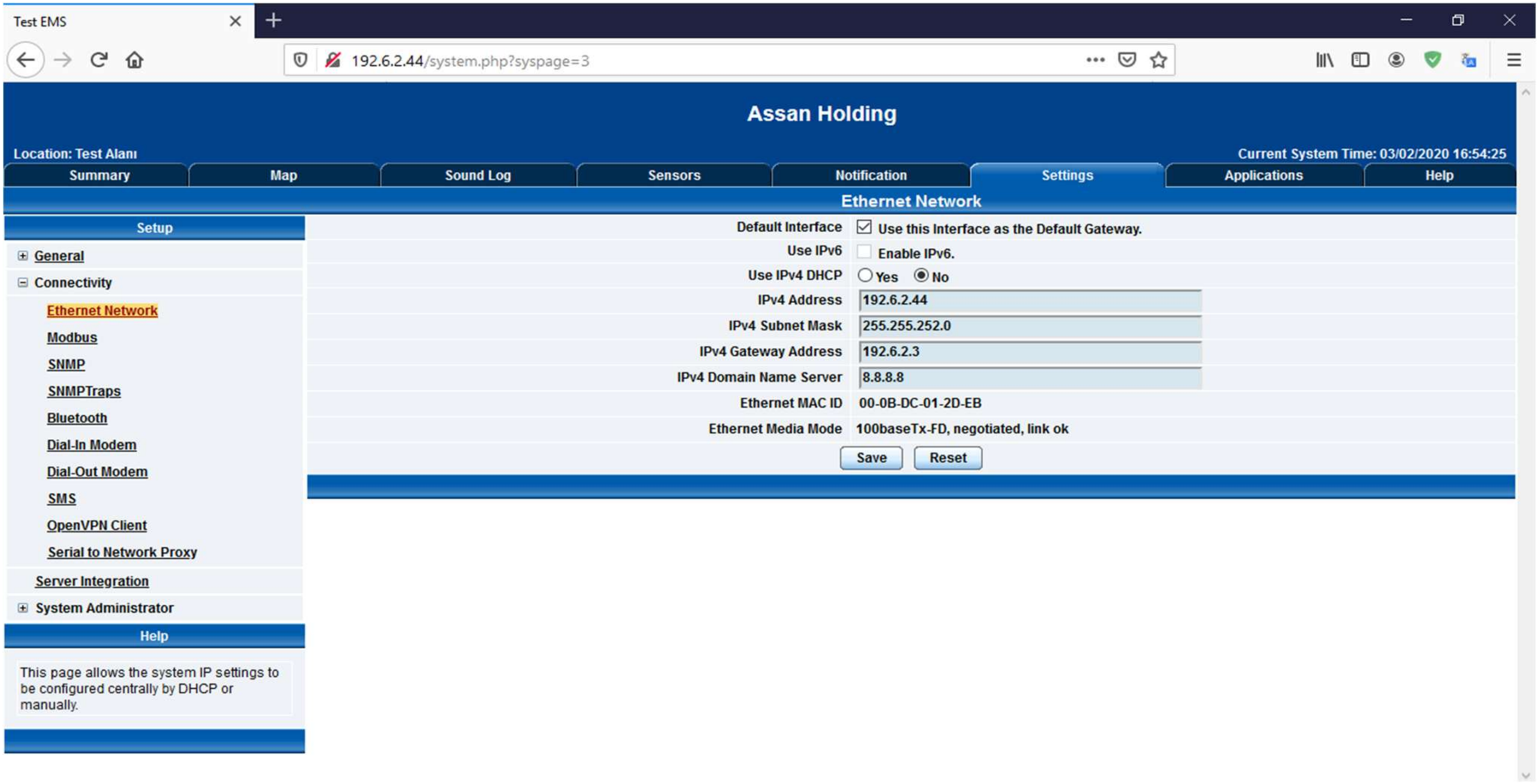

Configuring The EMS Network Settings

To change the IP address of Ems, click on the "Settings" menu. Then click on the box next to the "Connectivity" tab at the top left of the window and expand the tab. Click the "Ethernet Network" tab at the bottom of the window, perform the necessary IP configuration and click the "Save" button.

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CREATING GROUP AND USERS

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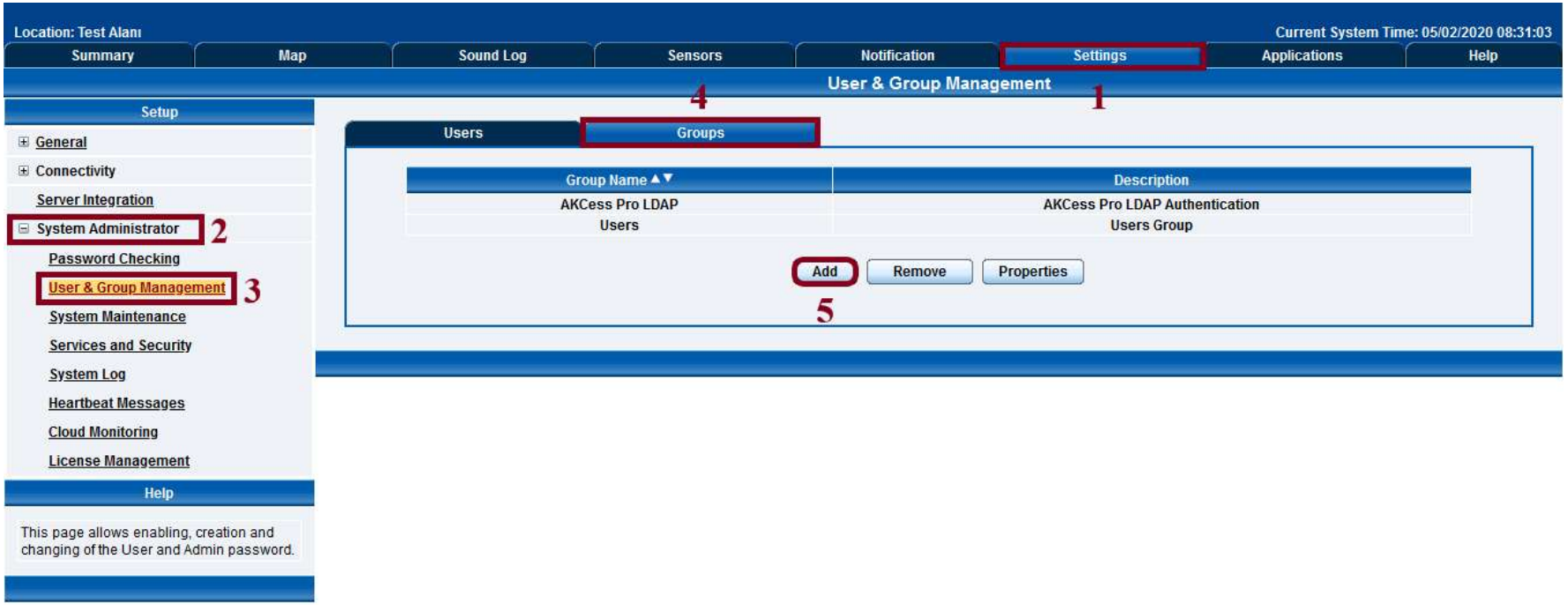
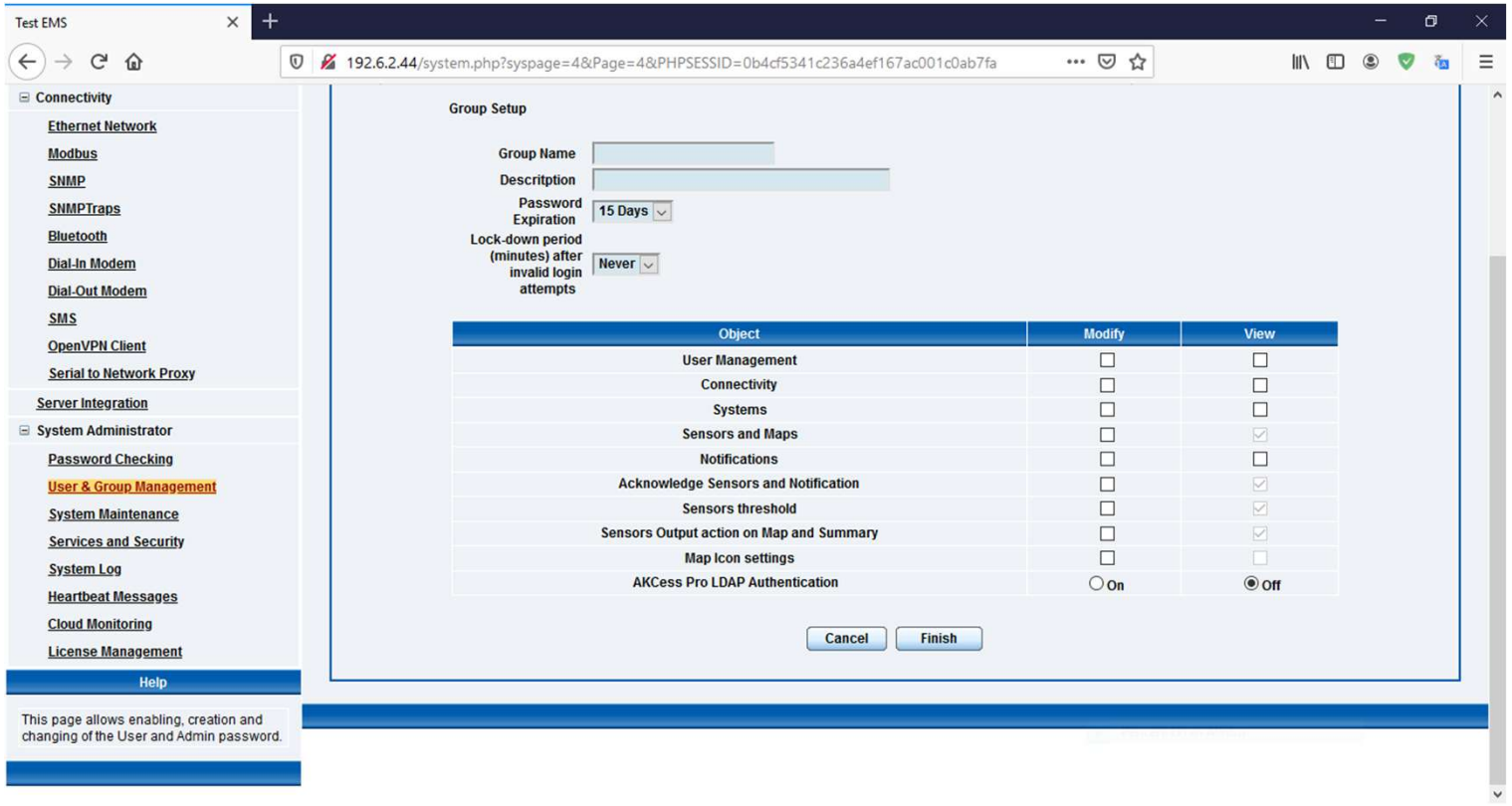
Creating a Group



Creating Groups And Users

To create group ; Click on the menus **«Settings» / «System Administrator» / «User&Group Management» »** respectively. Then click on the **«Group»** tab and then on the **«Add»** button at the bottom of the window.



Creating Groups And Users

In the window that opens, the group name is written, the authorizations of the group are determined and the **«Finish»** button is clicked.

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Creating User

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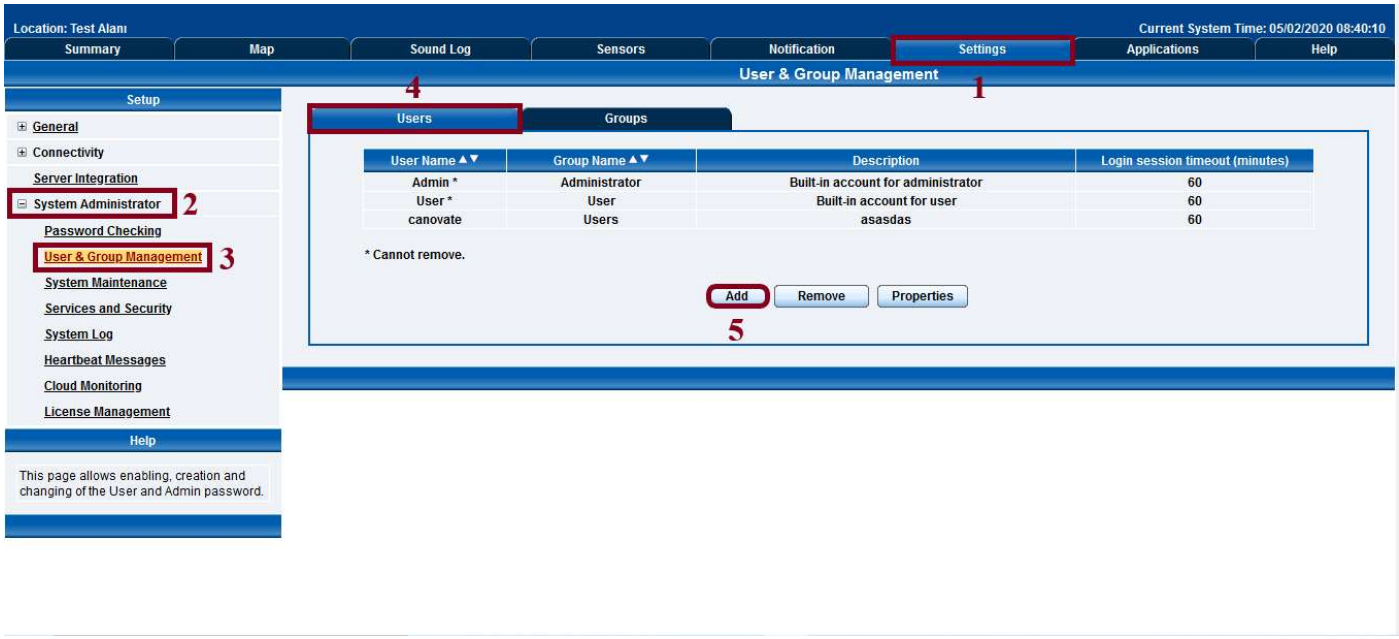

Creating Groups And Users

To create users; Click on the menus **«Settings» / «System Administrator » / «User&Group Management» »** respectively. Then click on the «Users» tab, then on the **«Add»** button at the bottom of the window.

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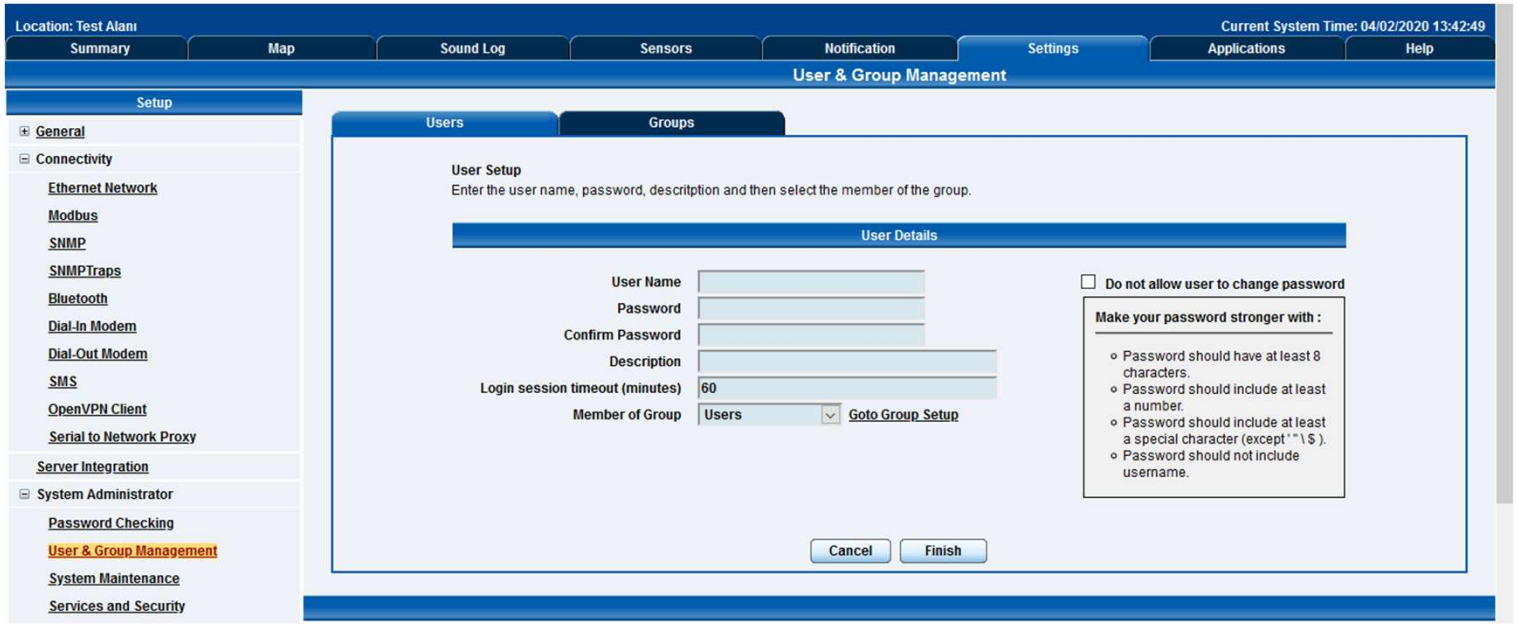

Creating Groups And Users

From the window that opens, enter the requested information for a new user. The newly created user can be included in the previously created group or groups.

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DRY CONTACT CONFIGURATION

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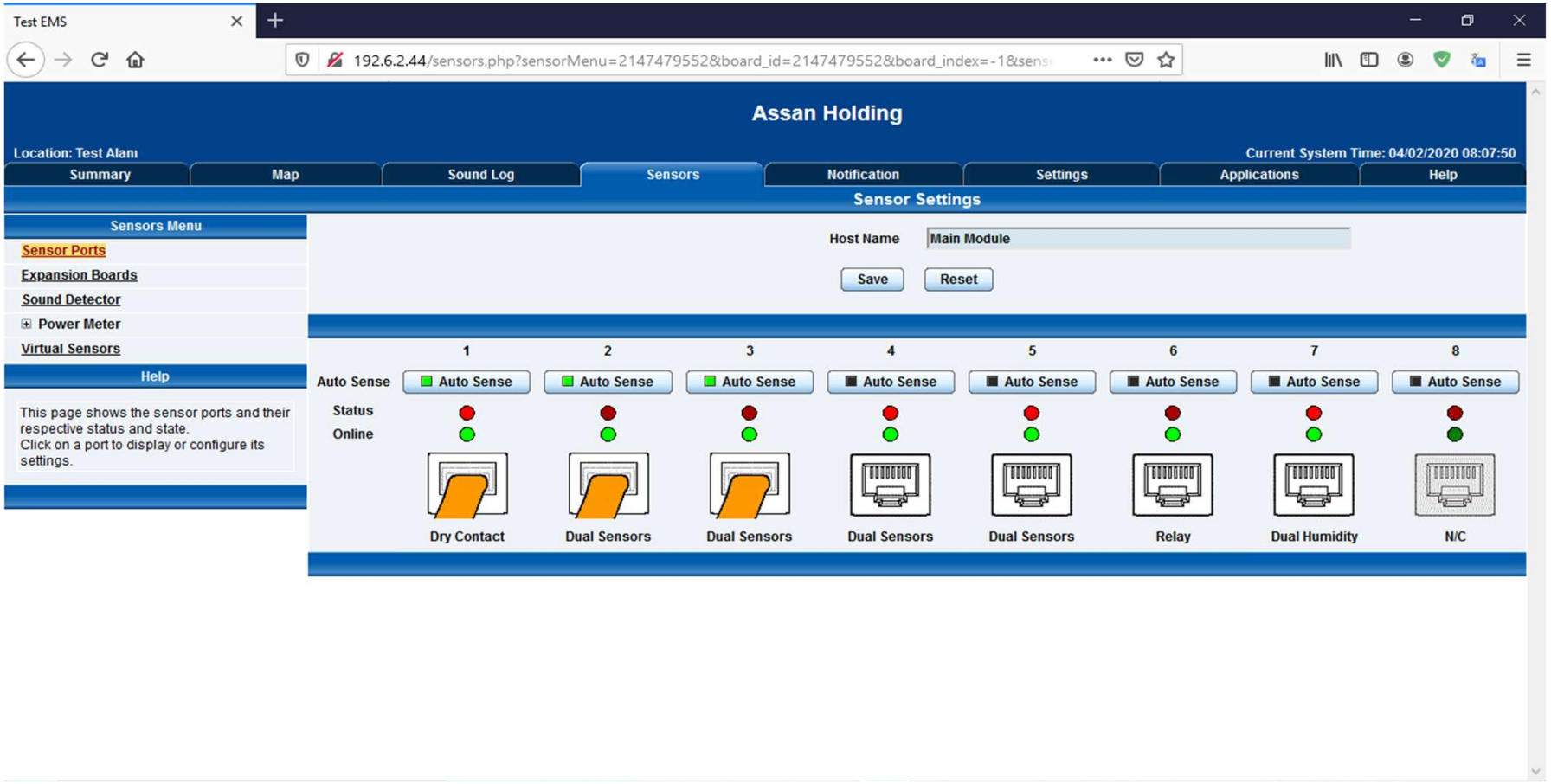

Setting Up Dry Contacts

Click on the **«Sensors»** menu in the top menu

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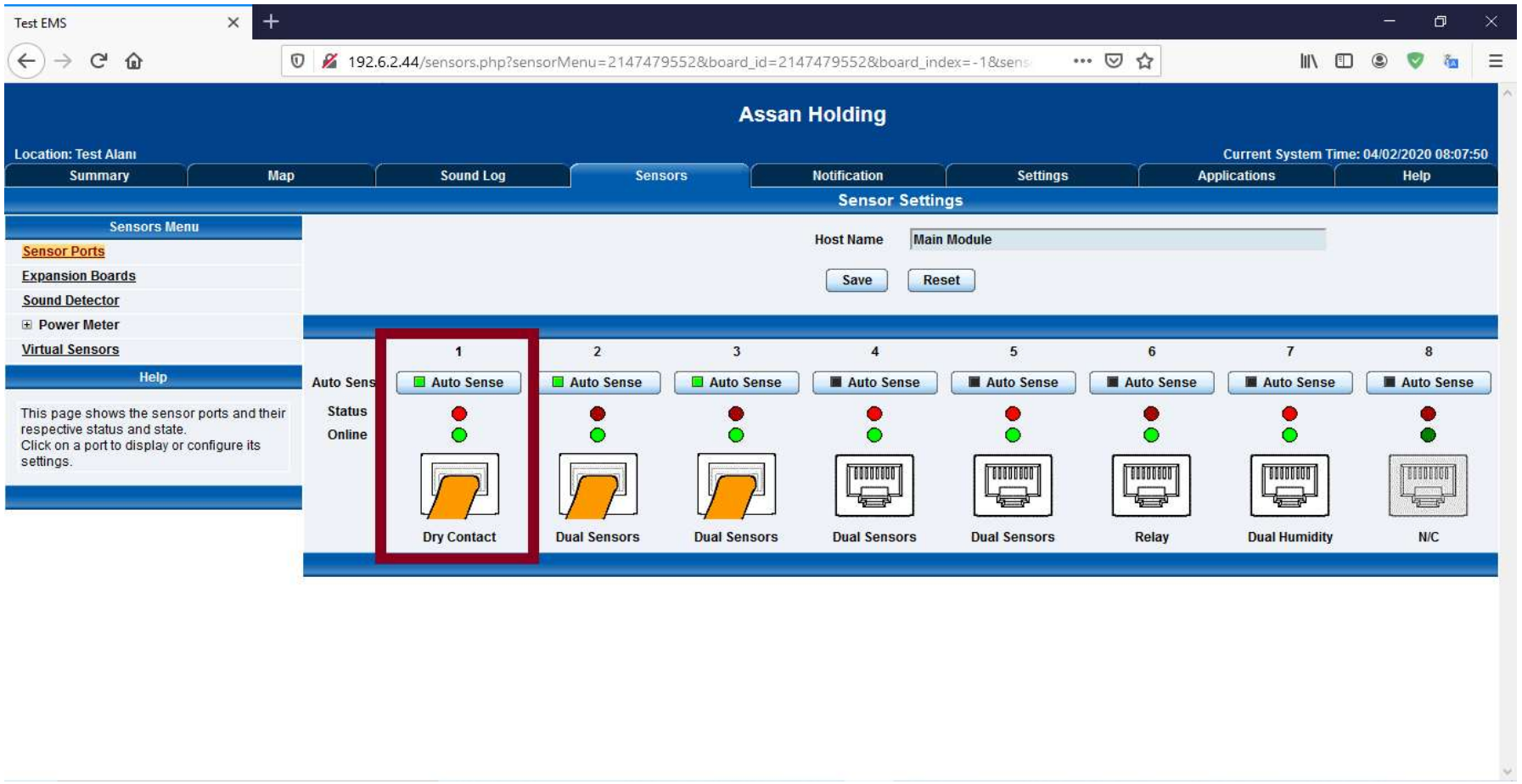
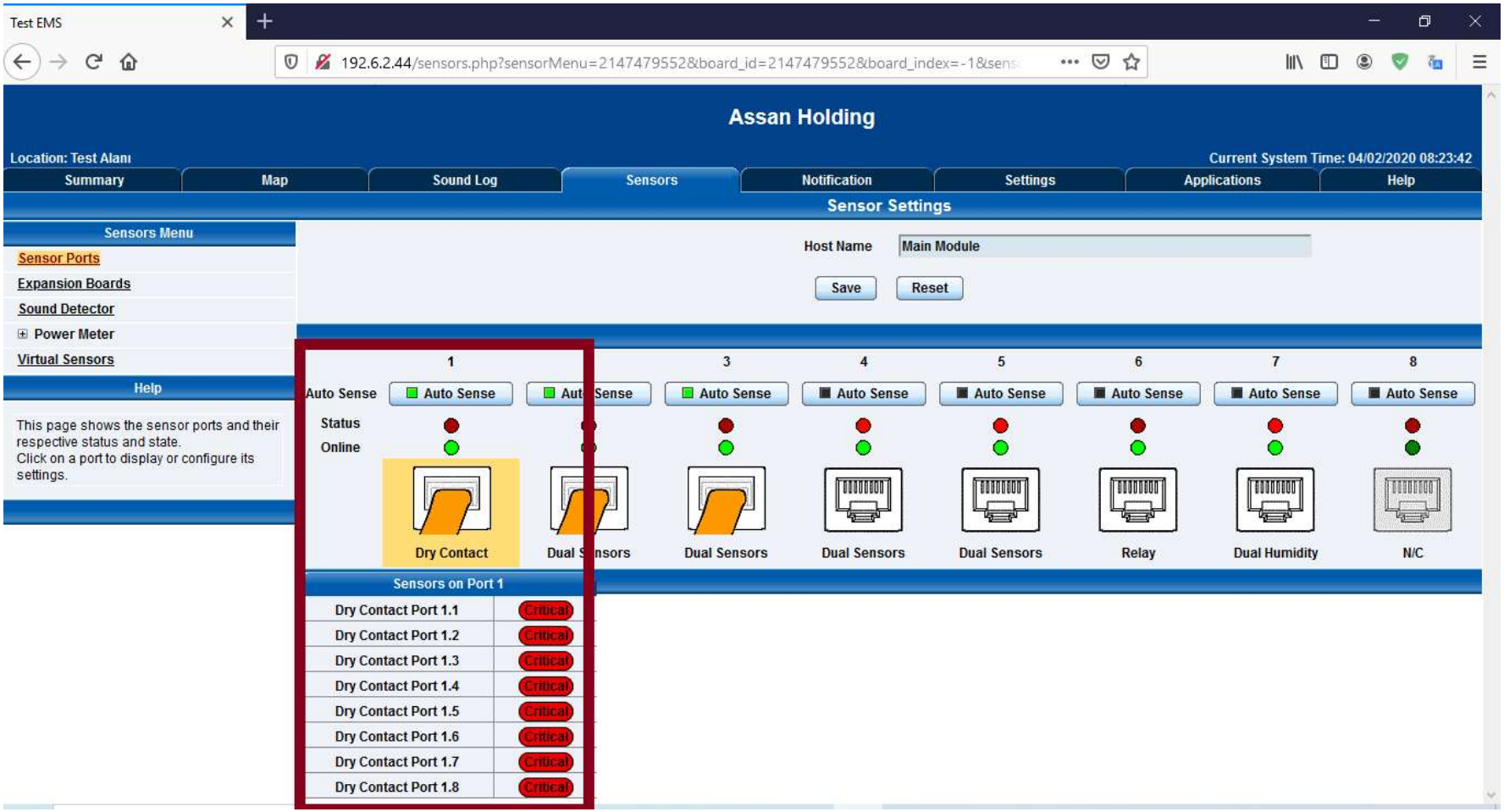


Dry Contact Module Introduction

If there is a green icon on the **«Auto Sense»** button after the module is installed, EMS will automatically detect the module. If there is a gray icon instead of a green icon, it will be necessary to introduce the module manually.



Auto-Detected Module Settings

We select the active **«Dry Contact»** and select the Dry Contact port that we want to set from the drop-down list (Examples, on the upcoming page we will see the Dry Contact Port 1 and Smoke Sensor in Port 2 and Water Sensor.)

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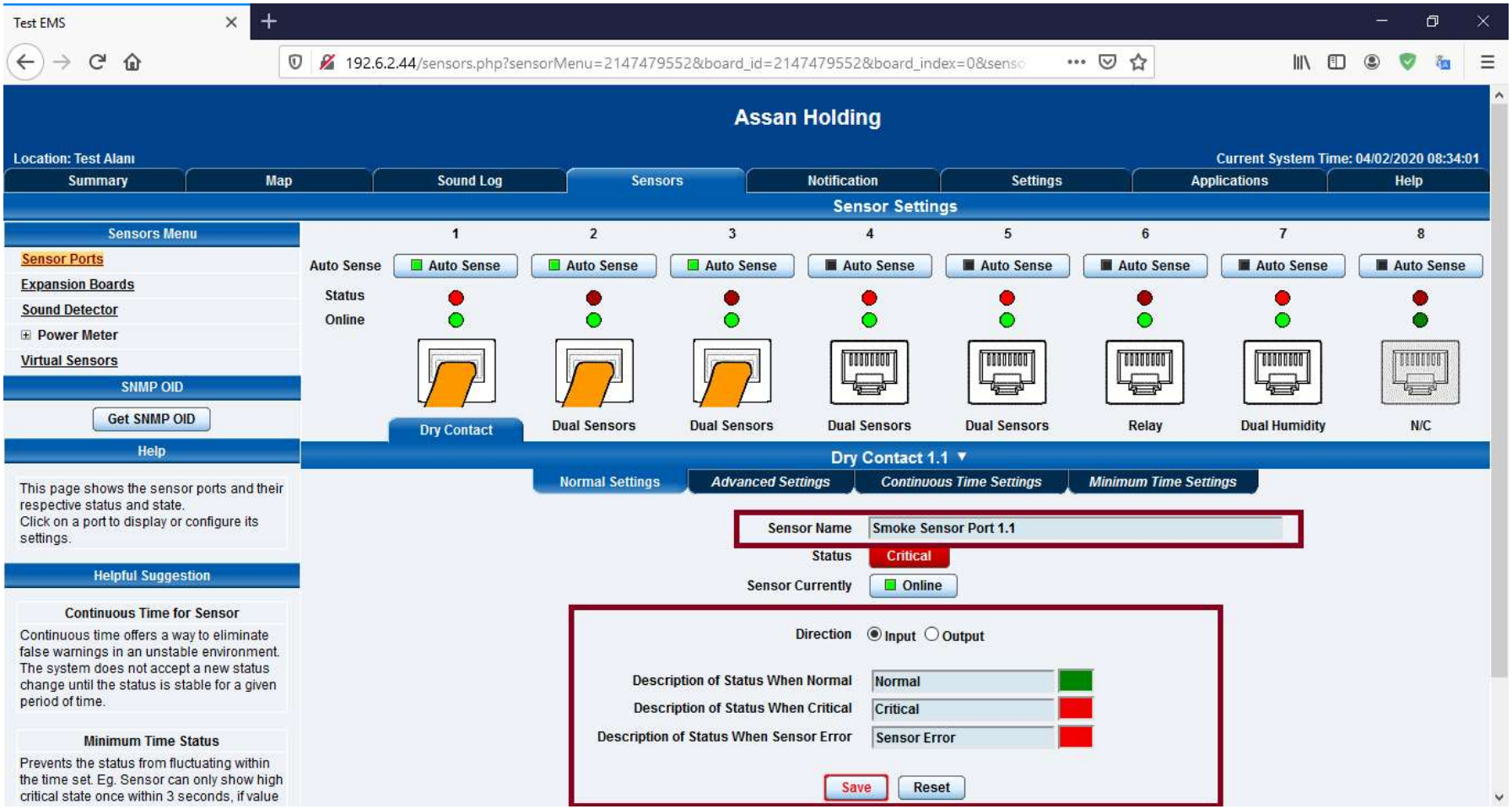
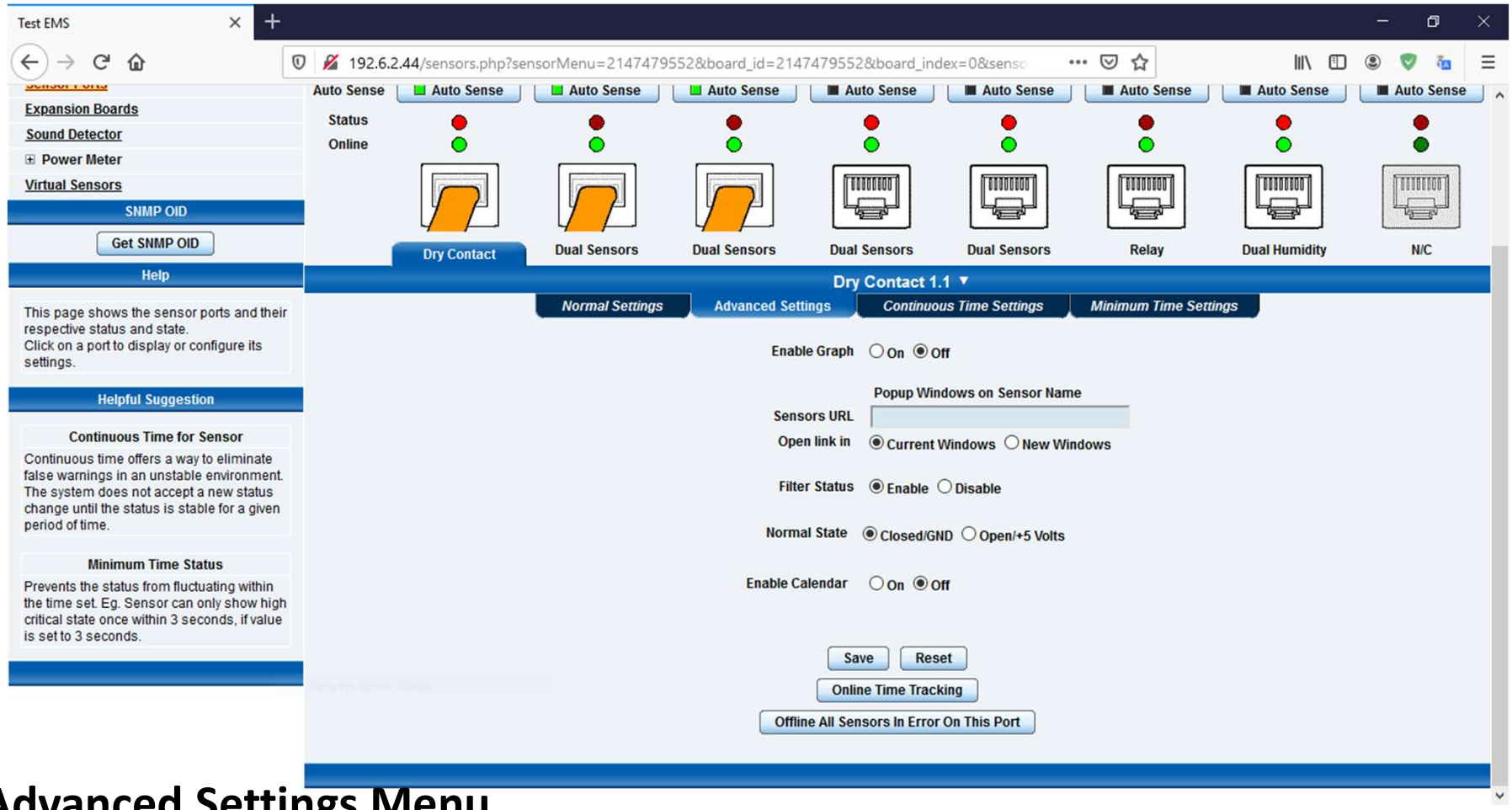


Normal Settings Menu

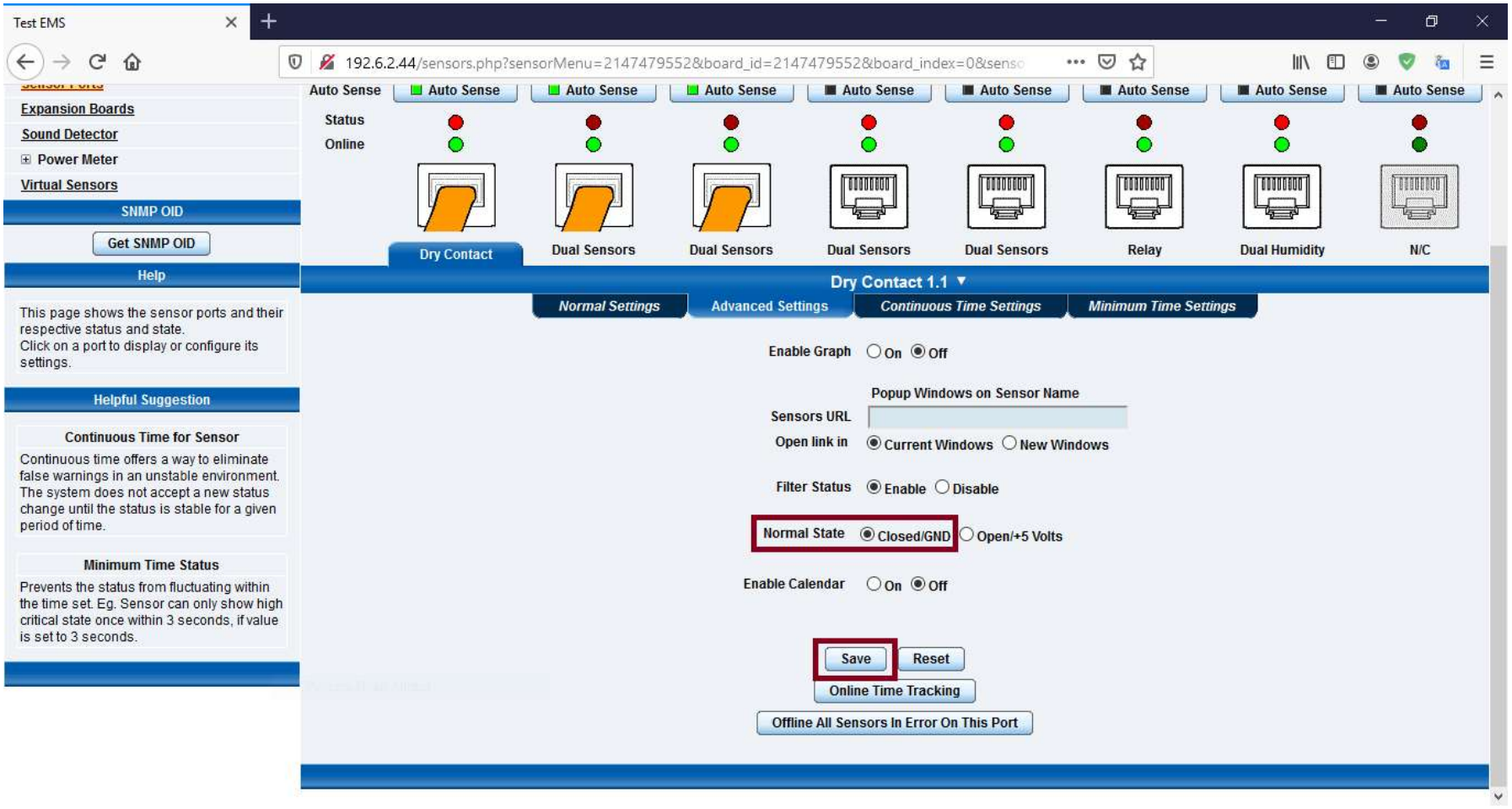
On this page we set the name of the sensor, the Input/Output status and which color warning the sensor will give in the event of **«Normal»**, **«Critical»** and **«Error».** Then we save the settings by pressing the **«Save»** button.



Advanced Settings Menu

You can make detailed settings for the sensor from this page. For NO and NC sensors, contact status must be selected on this page. For example; If a door switch «NO» is connected to the port, the «Normal State» must be selected as «Open/+5 Volts». If a «NO» smoke sensor is connected to the port, the «Normal State» must be selected as «Closed/GND».

(Selected as «Normal State» / «Closed/GND » because the Smoke Sensor is connected to port 1 of Dry Contact)



Advance Settings Menu

Once the settings are made, click on the **«Save»** button to save it.

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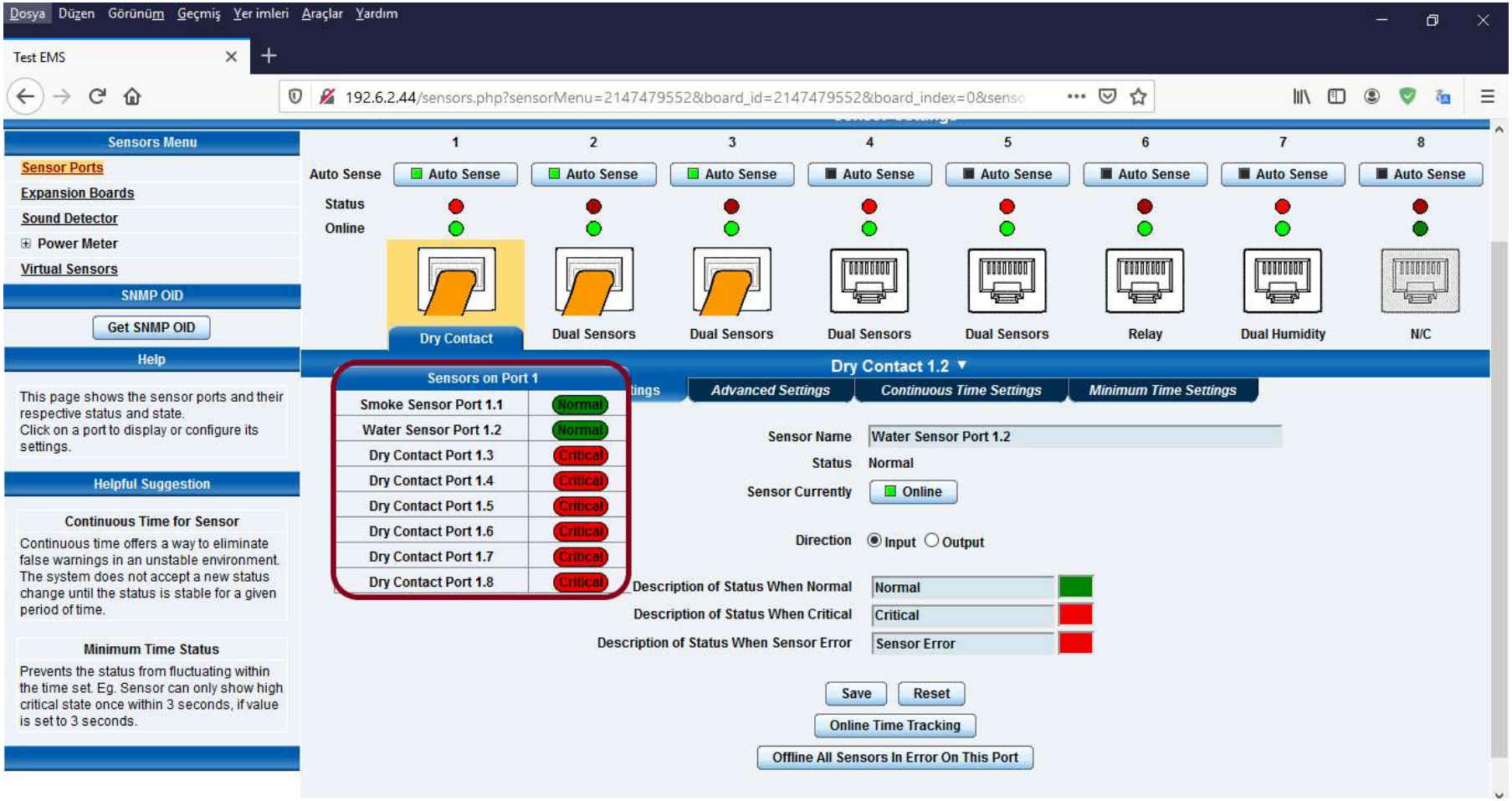

Reading Dry Contact Statuses via EMS

Dry Contact statuses can be read by selecting the respective port on the «Sensors» page.

When the port is selected, the port information of the sensor will be opened as a list and the status description as «Normal», «Critical» or «Error» will be displayed. As soon as the status changes, the new status will appear on this list.

Reading Dry Contact Statuses via EMS

In addition, on the «Summary» page, the device-based sensor (Port) statuses and the analogue readings can be viewed. As soon as the status changes, the new status will automatically appear on the summary page.

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SENSOR SETTINGS

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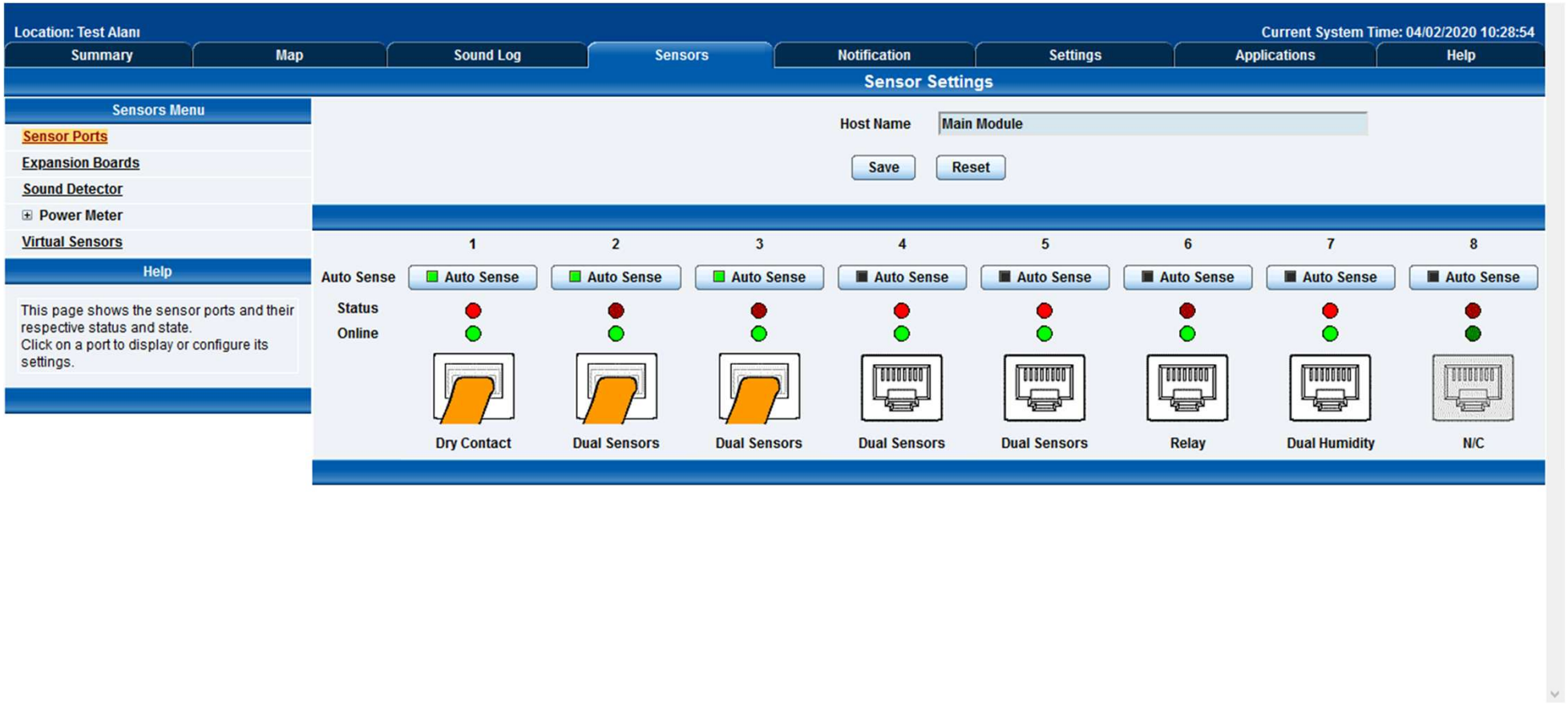

Configuring Sensors via EMS

Click on the **«Sensors»** menu in the top menu

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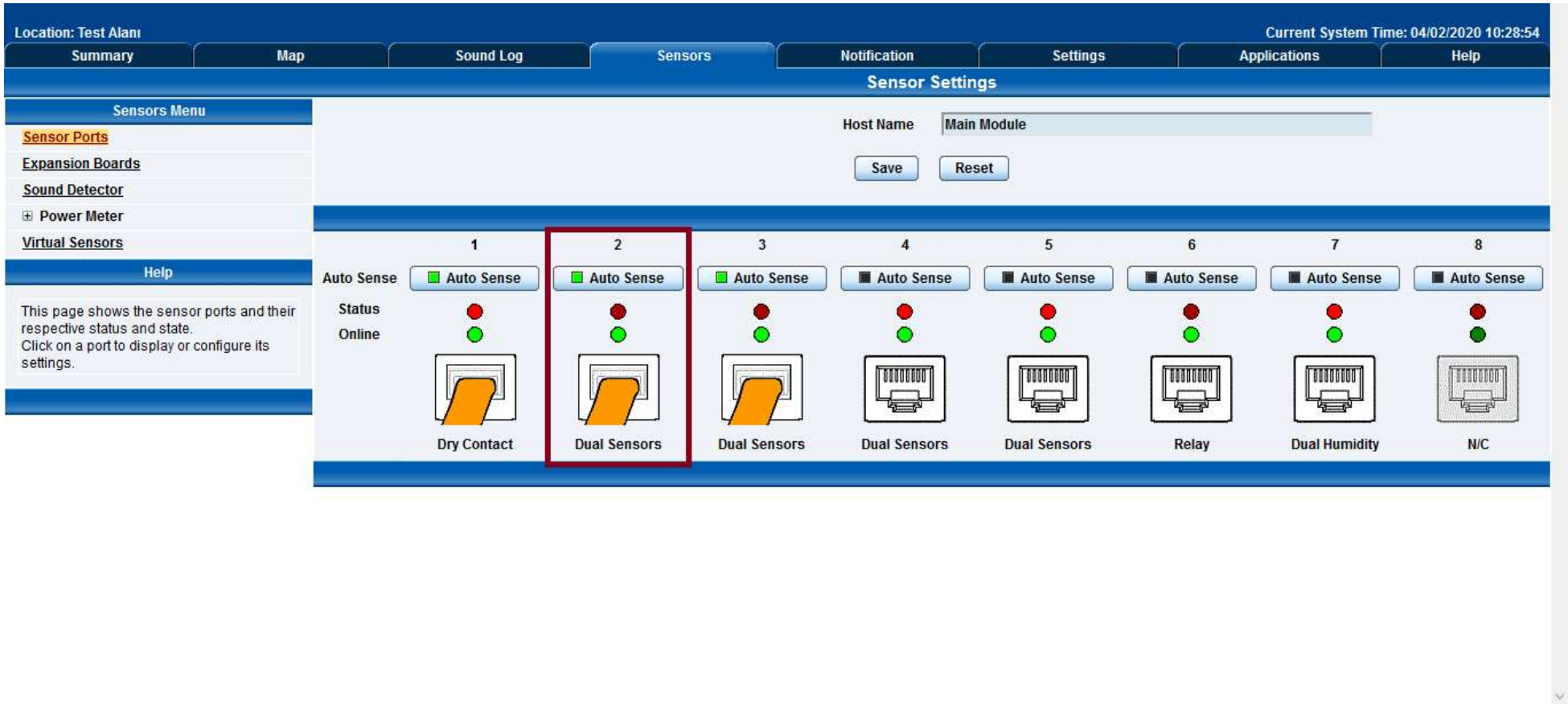

Configuring Sensors via EMS

If there is a green icon on the «Auto Sense» button after the sensor is connected, it will automatically detect the EMS module. If there is a gray icon instead of a green icon, the patch cable from the sensor to the EMS should be checked, and if the problem continues, the patch cable should be replaced respectively, and if the patch cable is intact, the sensor should be changed.

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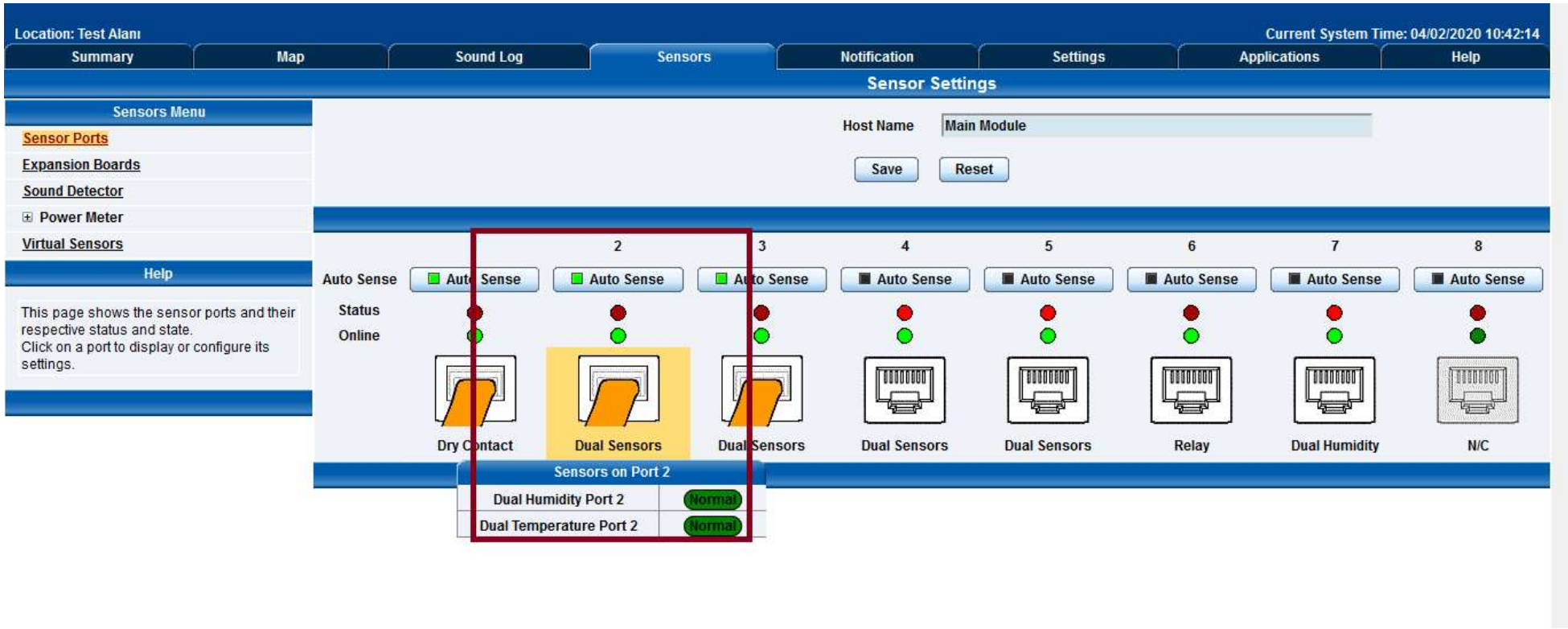

Auto-Detected Sensor Settings

We select the active «Dual Sensors» connection and select the sensor port that we want to set from the drop-down list.

(In the example picture, there is a Heat Humidity sensor on port 2 of EMS. The heat humidity sensor is not two physically separate sensors.)

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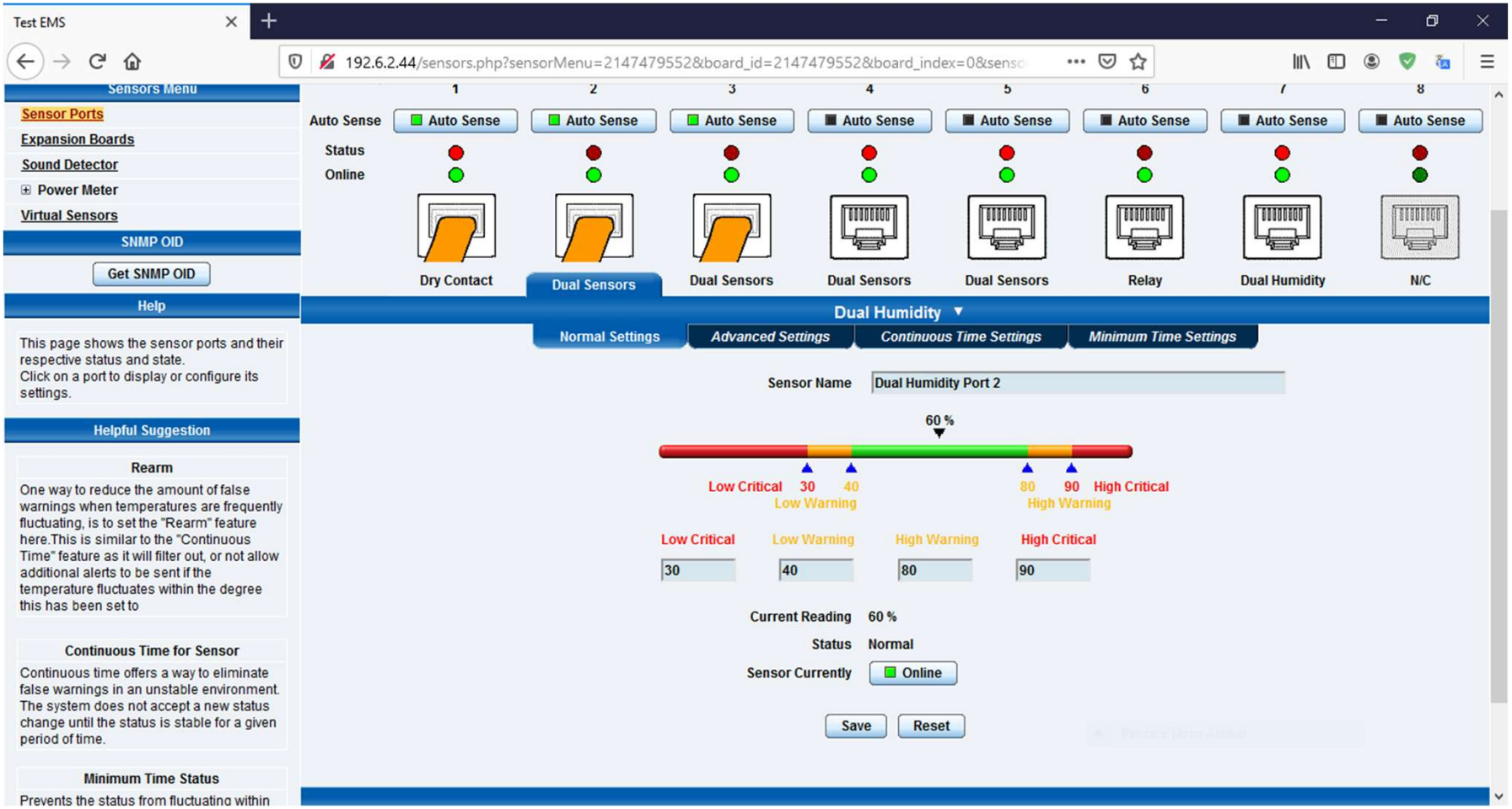

Normal Settings Menu

On this page we can change the name of the sensor, the reading range values of the sensor, and in case of error, which color will warn. Then we save the settings by pressing the «Save» button.

(EMS will automatically see the name of the connected Heat Humidity sensor as Dual Humidity and Dual Temperature)

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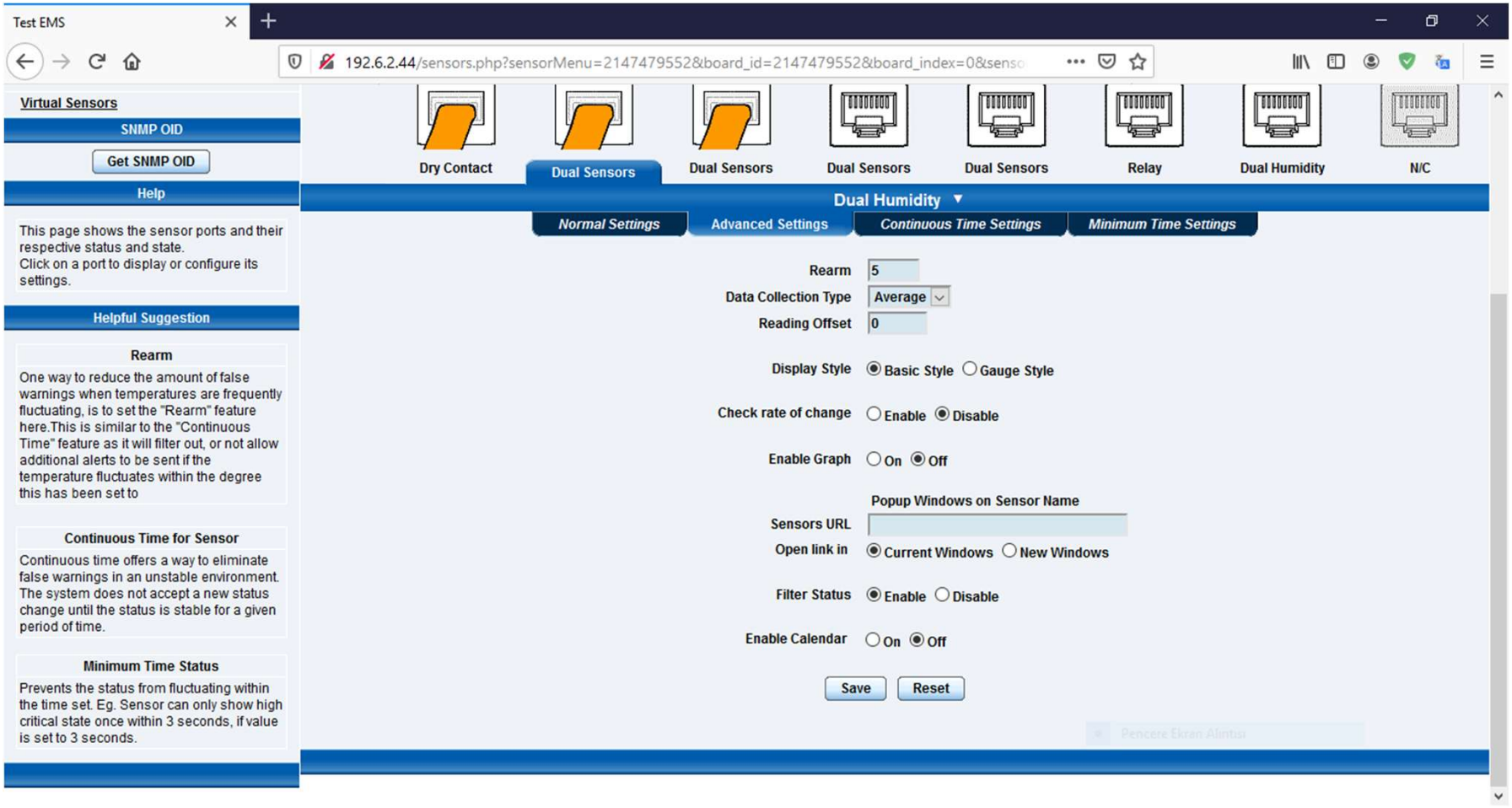

Advanced Settings Menu

On this page, the operating intervals of the sensor, the appearance of the value reading window, the reference settings of the sensor are set.

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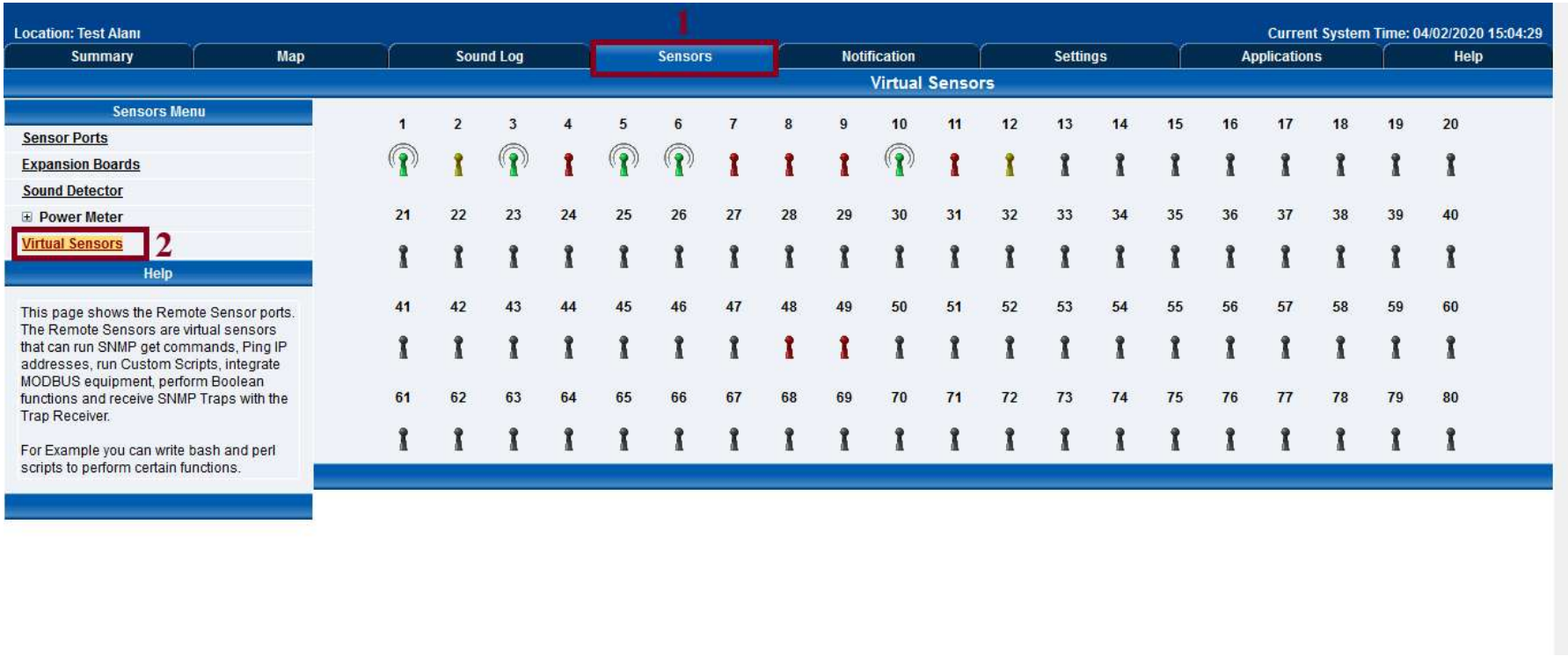
VIRTUAL SENSOR SETTINGS (SNMP)



Virtual Sensor (SNMP Get Configuration)

Click on the **«Sensors»** menu in the top menu and then on the **«Virtual Sensors»** menu.

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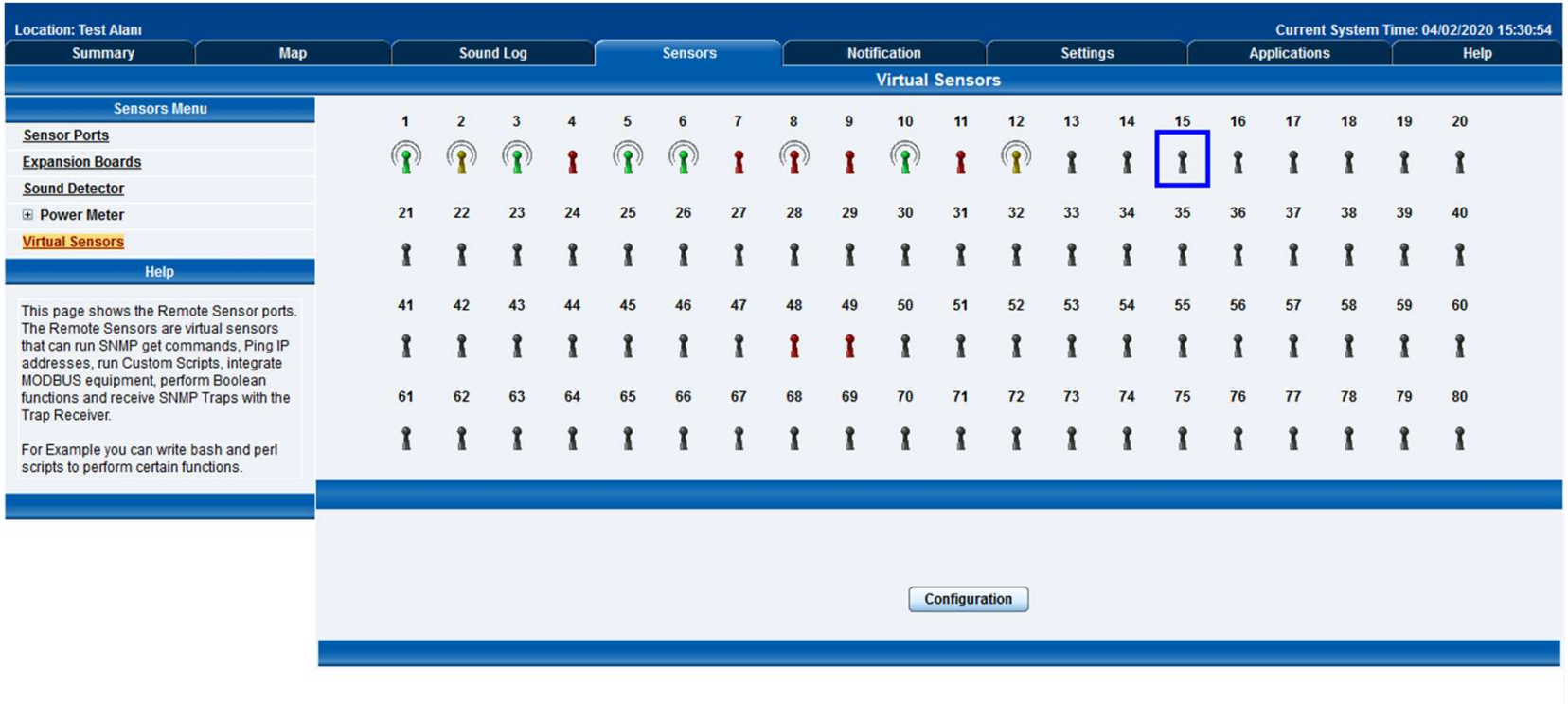
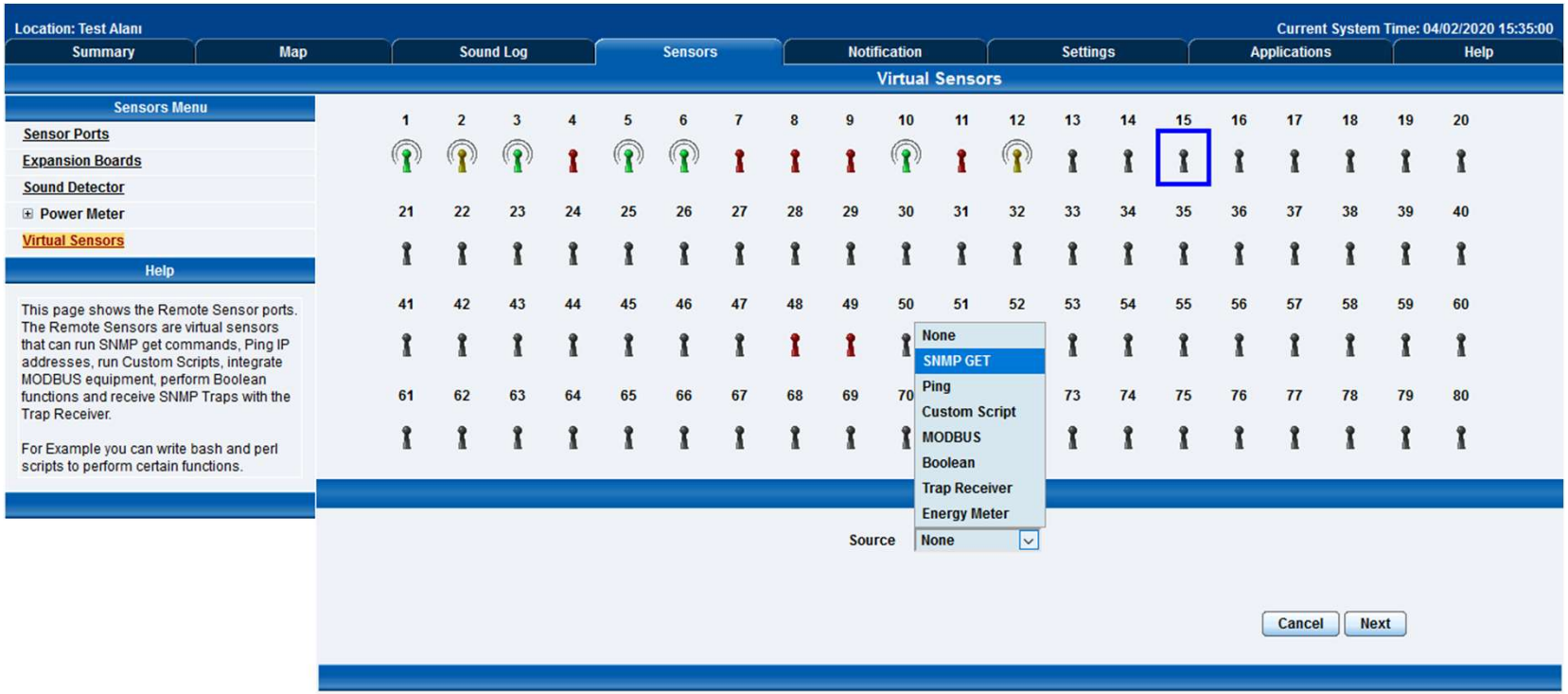


Virtual Sensor (SNMP Get Configuration)

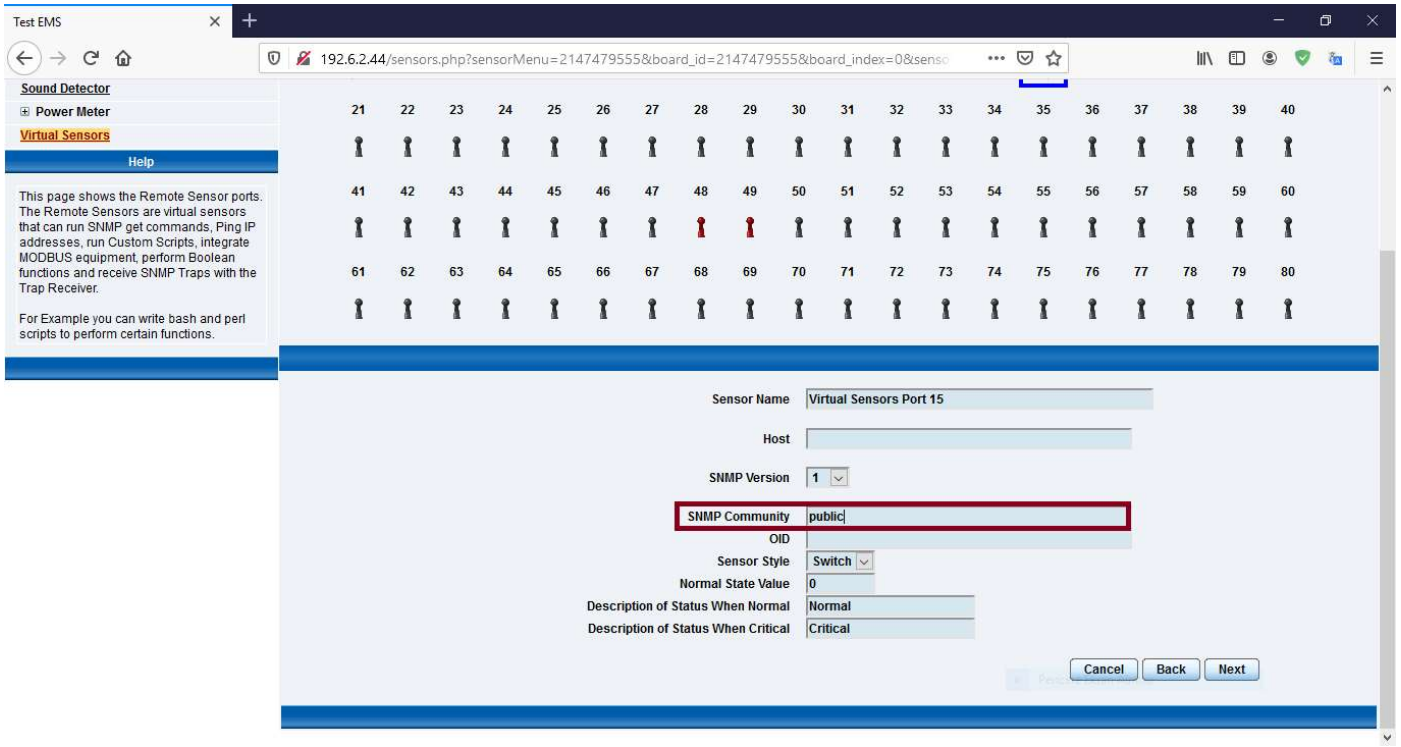
The Virtual Sensor port is selected and the **«Configuration»** button is clicked.

(In the example image, Virtual Sensor Port 15 is selected because some ports are pre-configured.)



Virtual Sensor (SNMP Get Configuration)

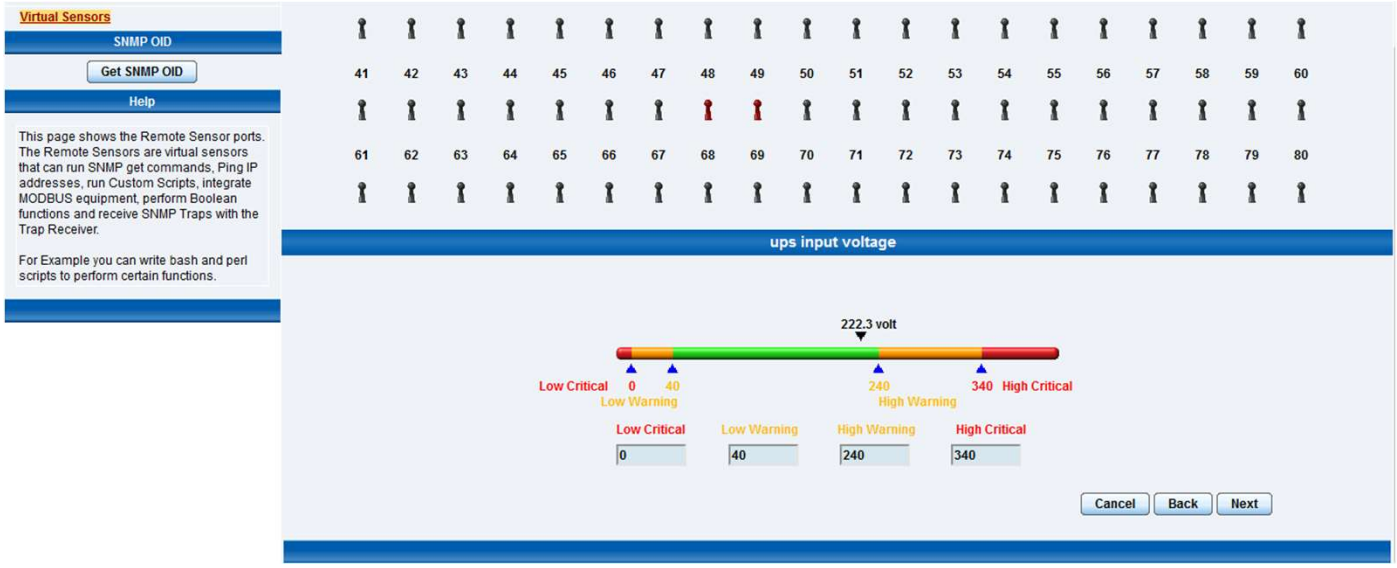
Select **«SNMP GET»** from the **«Source»** options at the bottom of the window that opens and click the «Next» button.



Virtual Sensor (SNMP Get Configuration)

In the window that opens, the sensor name **«Sensor Name»** can be changed. In the «Host» section the IP address of the hardware to be monitored is written.

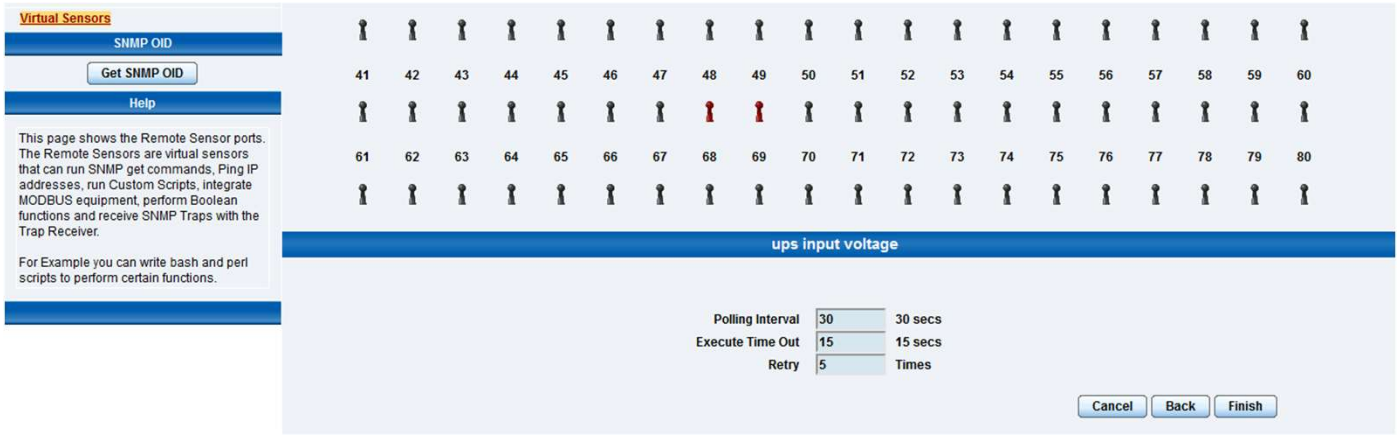
«SNMP Version» is set to **«1».** In the **"SNMP Community"** field, **"public"** is written. In the **«OID»** field, the OID parameter of the hardware we have connected is written. Select **«Sensor Style»** as **«Analog»** and click the **«Next»** button.



Virtual Sensor (SNMP Get Configuration)

In the window that opens, the values are entered in the required sections. **«Low Critical» «Low Warning» «High Warning» «High Critical»**

Click the «Next» button. (Ups Input Voltage values are entered in the example picture.)



Virtual Sensor (SNMP Get Configuration)

In the window that opens,

«Polling Interval» is the section in which to enter the value of how often to read.

«Execute Time Out» is the section where the timeout value will be entered.

«Retry» is the section where the number of times it should be tried will be entered.

By clicking the **«Finish»** button, the configuration is saved.

(Default values can be used in this section.)

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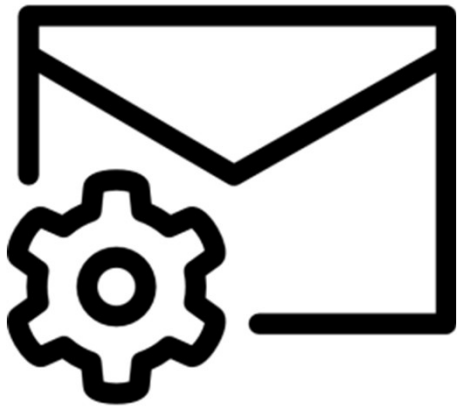
EMS E-MAIL AND NOTIFICATION SETTINGS



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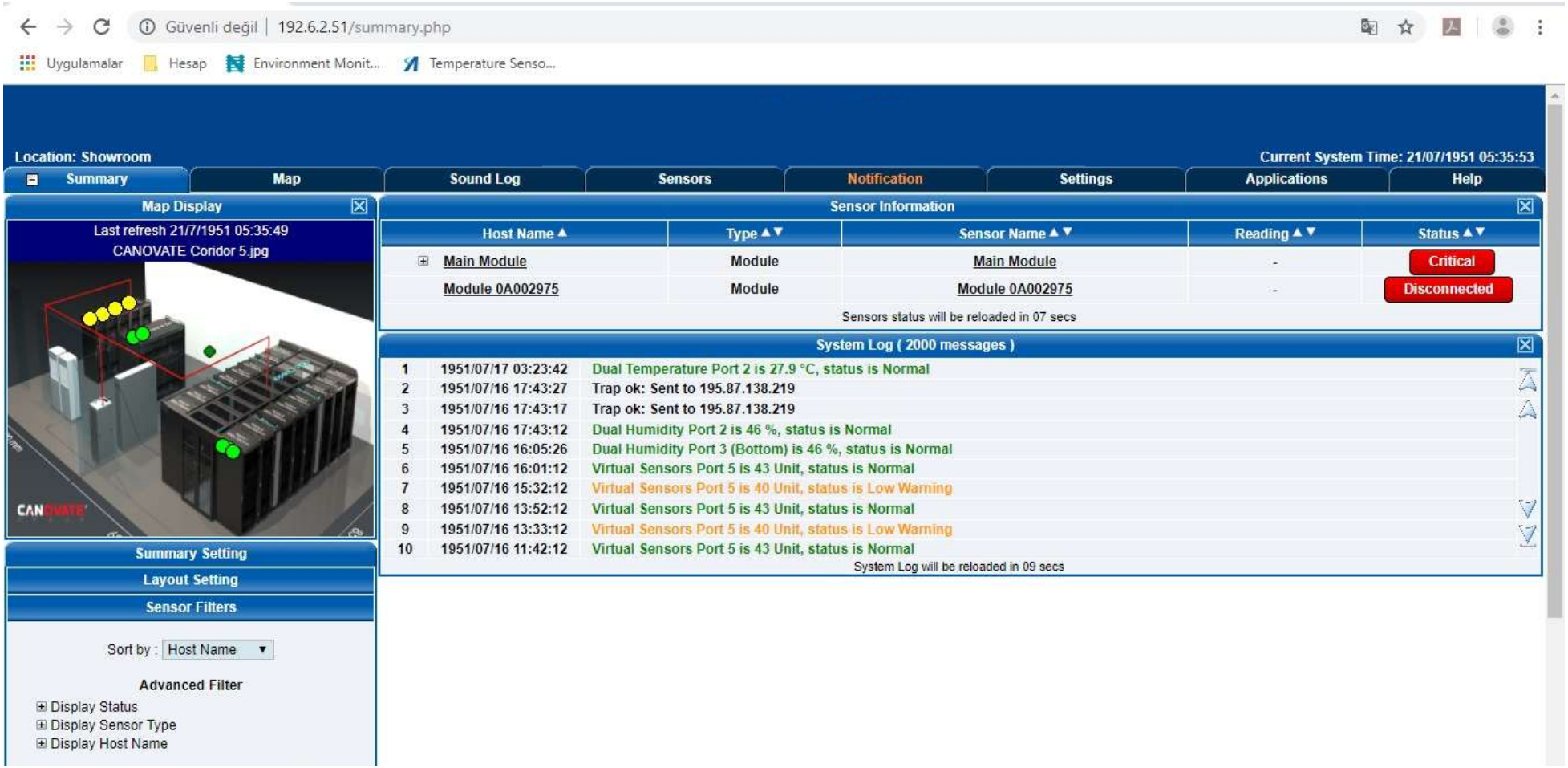

Setting Up Email Notification

Click on the **«Notification»** tab in the top menu.

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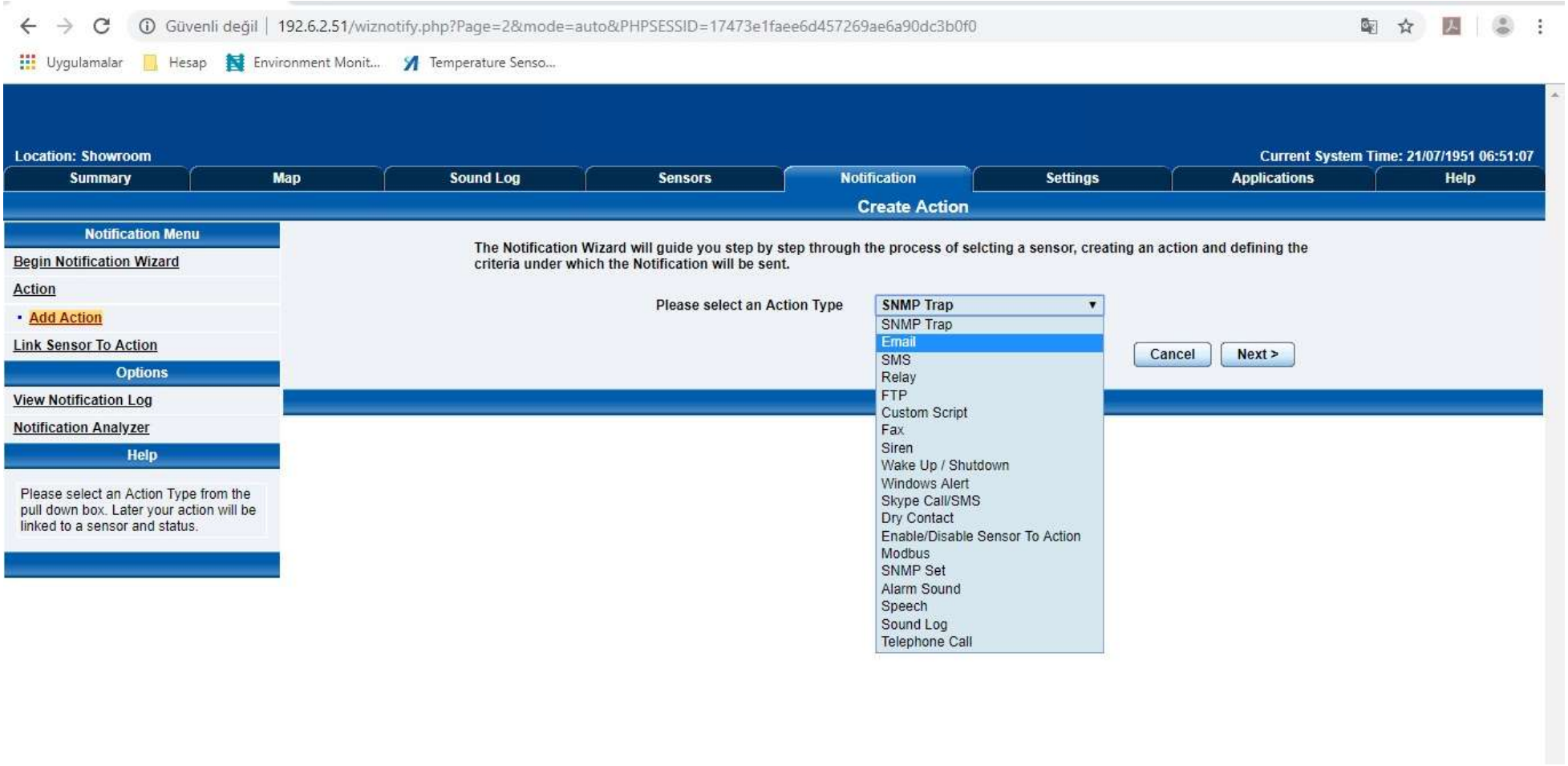
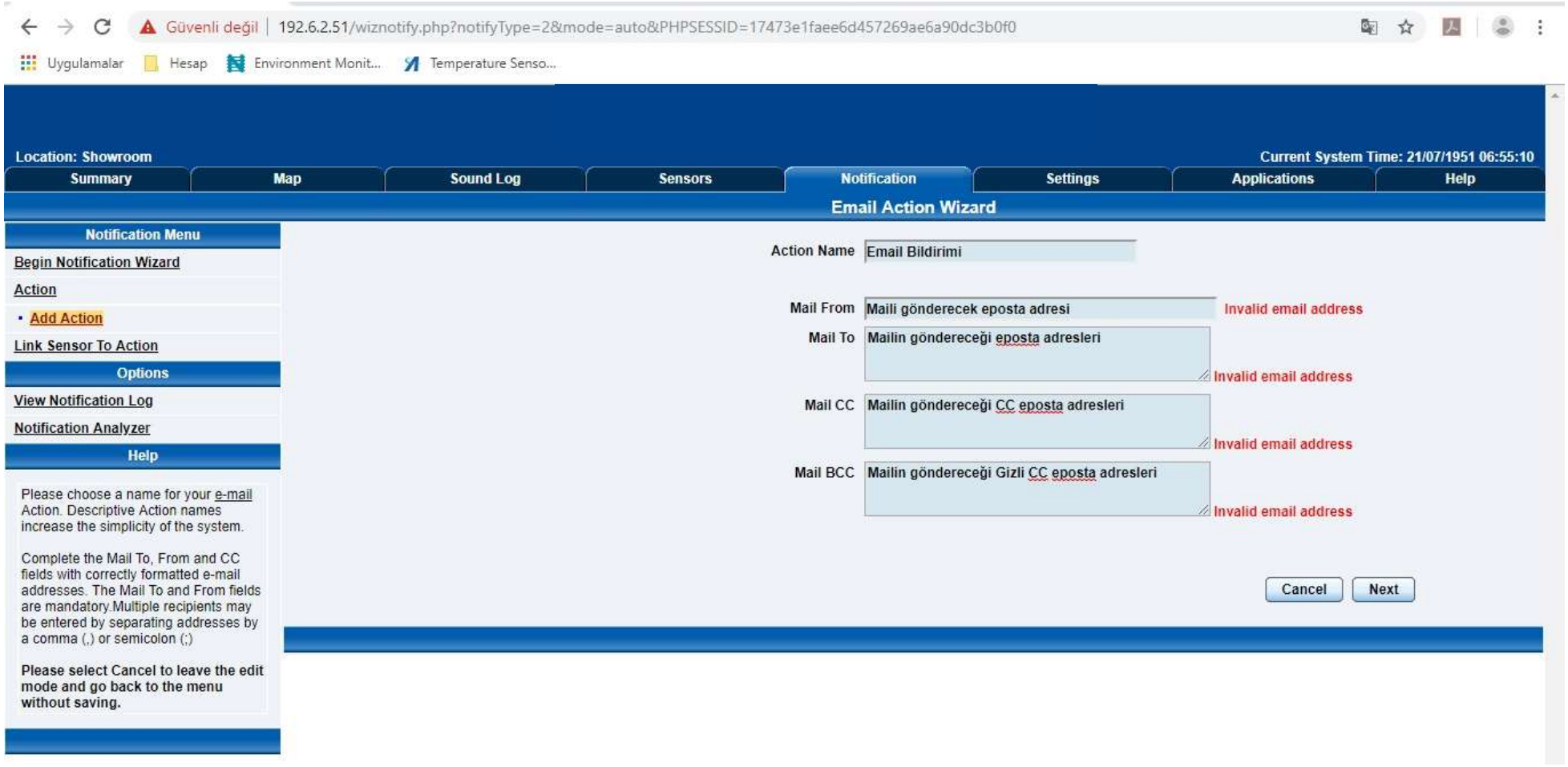


The Notification Wizard Page

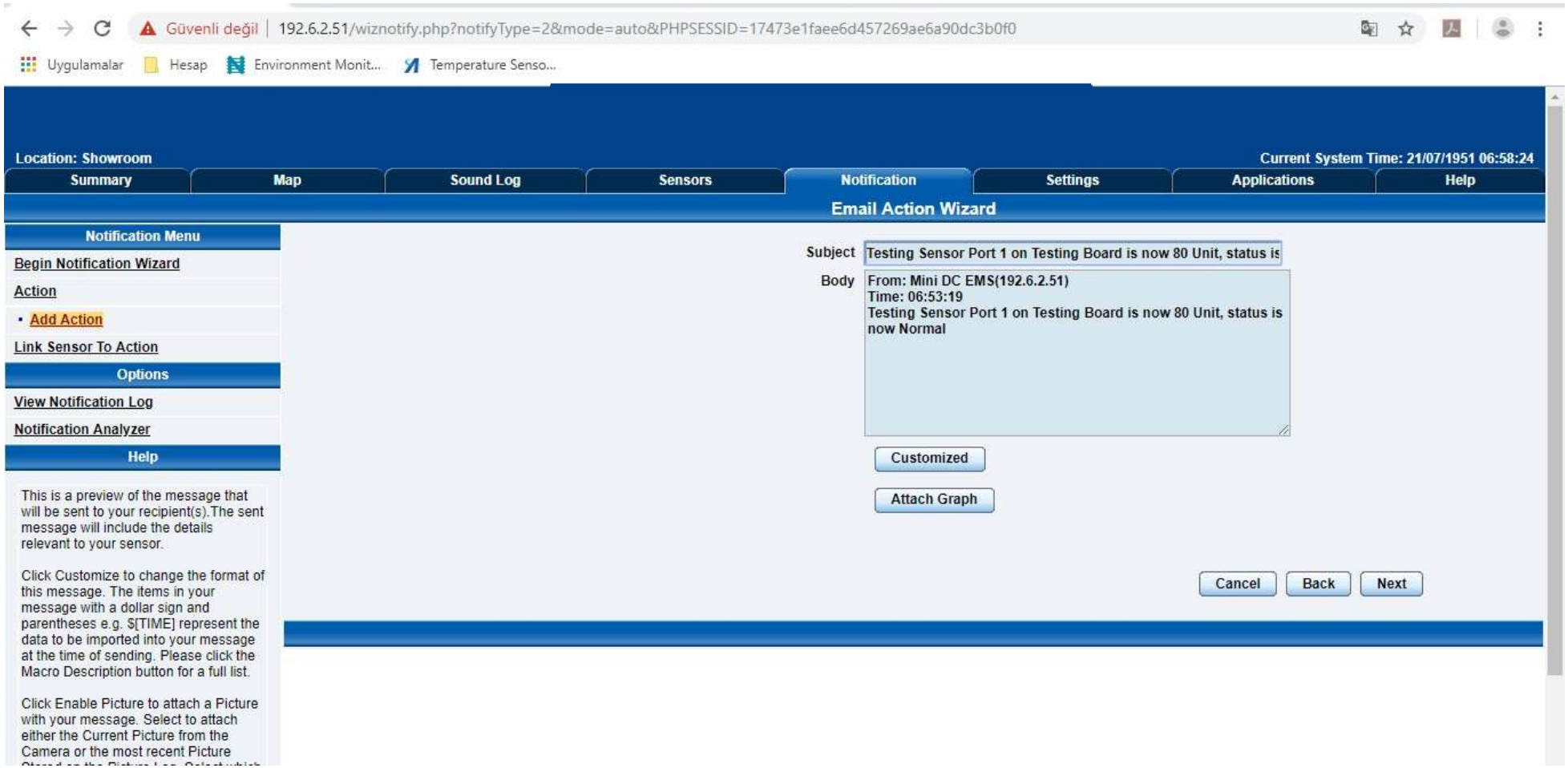
Select **"Email"** from the **«Please select an Action Type»** menu on the page and click the **«Next»** button.



Mail Address Settings

On the page that opens, the action description of the e-mail, the sender e-mail address and the e-mail addresses of the recipients should be entered.

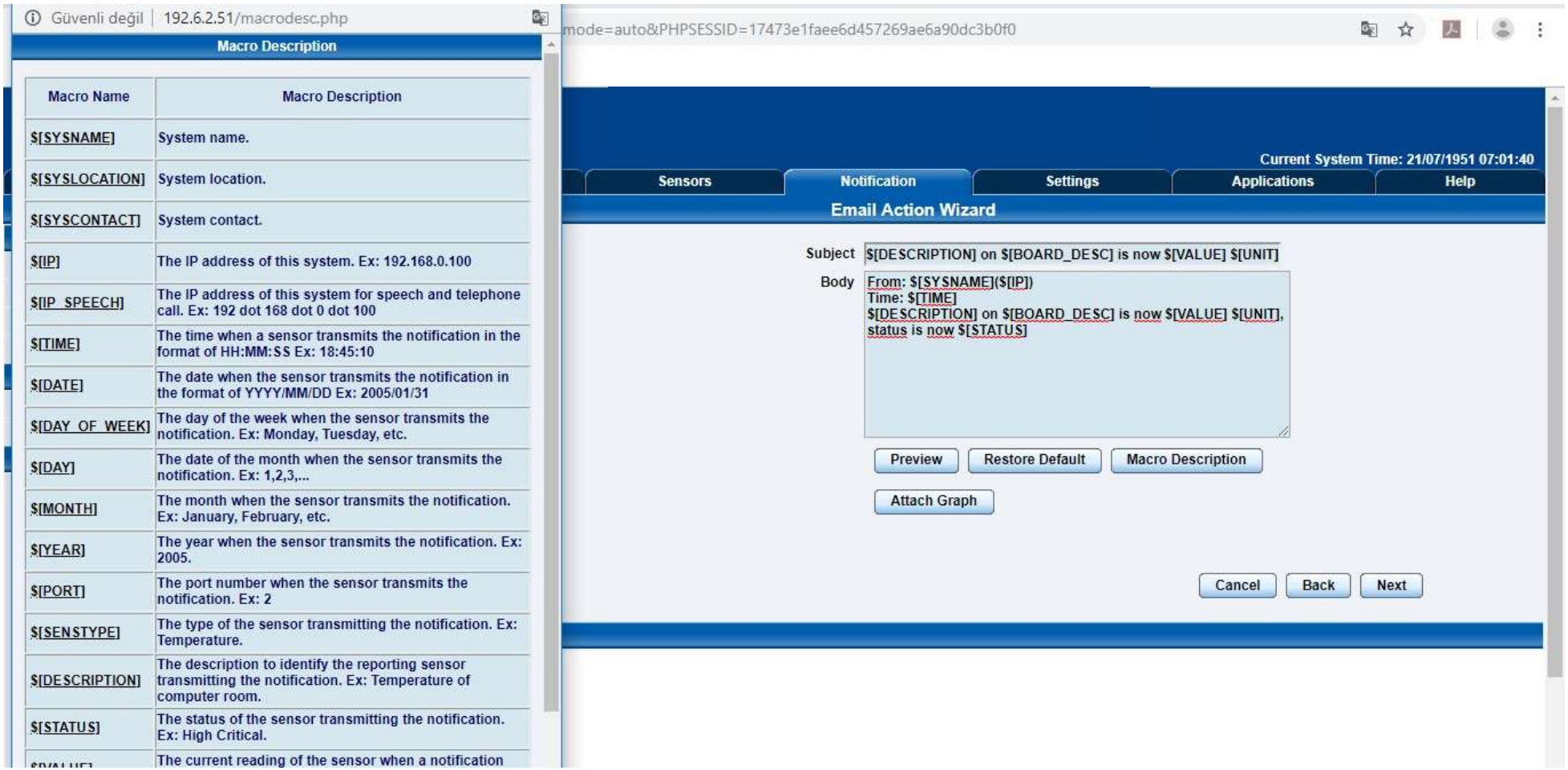
After filling the information, you can proceed to the next page by clicking the **«Next»** button.



Mail Title and Content Information

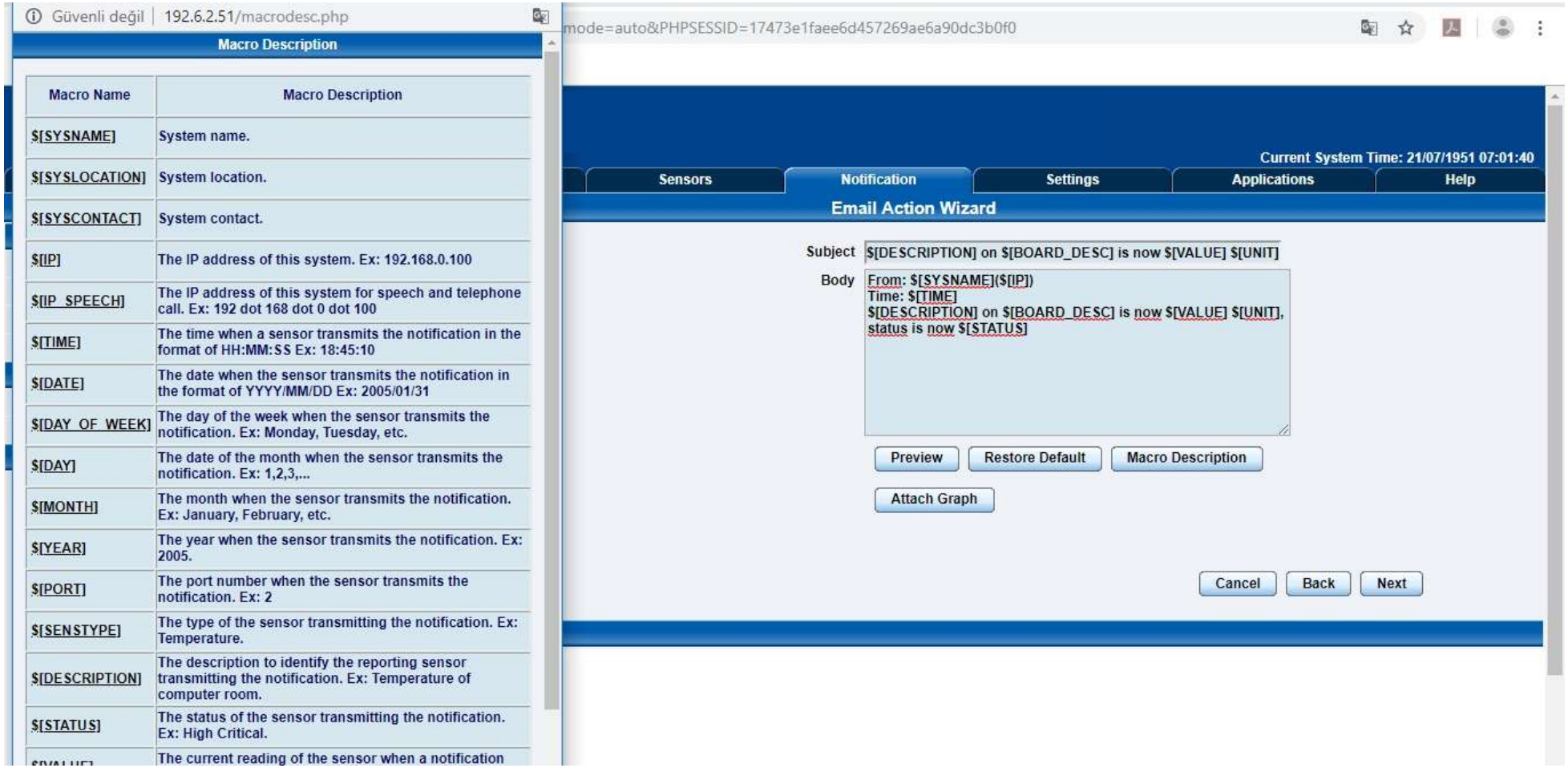
Information about the sent e-mail is automatically generated by the system. Click on the **«Customized»** button to edit this information.

If you do not want to edit it, you can proceed to the next page by clicking the **«Next»** button.



Mail Title and Content Editing Page

You can edit on the **«Customized»** page and find out which macros you want to see in the e-mail by clicking on the «Macro Description» button. You need to select the macro you want to use. Click the **«Restore Default»** button to restore to factory settings.



Mail Title and Content Editing Page

To add **«Graph»** to the e-mail, press the «Attach Graph» button. If you do not want to add a graph, click the **«Disable Graph»** button.

After making your settings, you can proceed to the next page by clicking on the **«Next»** button.

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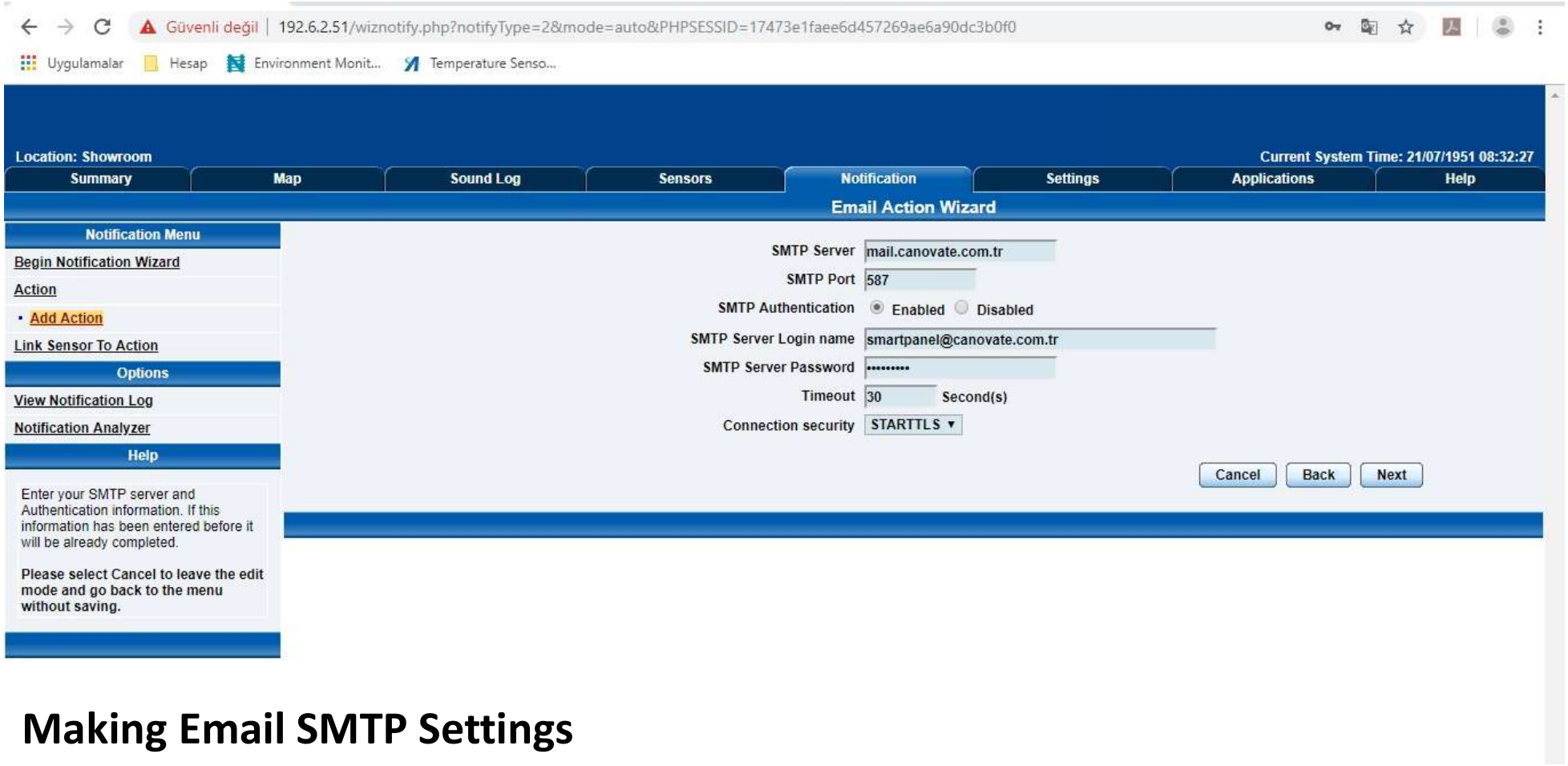

Making Email SMTP Settings

You need to fill in the information contained in the form according to the SMTP settings of your email provider. Ask your e-mail provider for the information and fill it in correctly, otherwise you will not receive your e-mail.

After filling in all the information correctly and completely, you can proceed to the next page by pressing the **«Next»** button.

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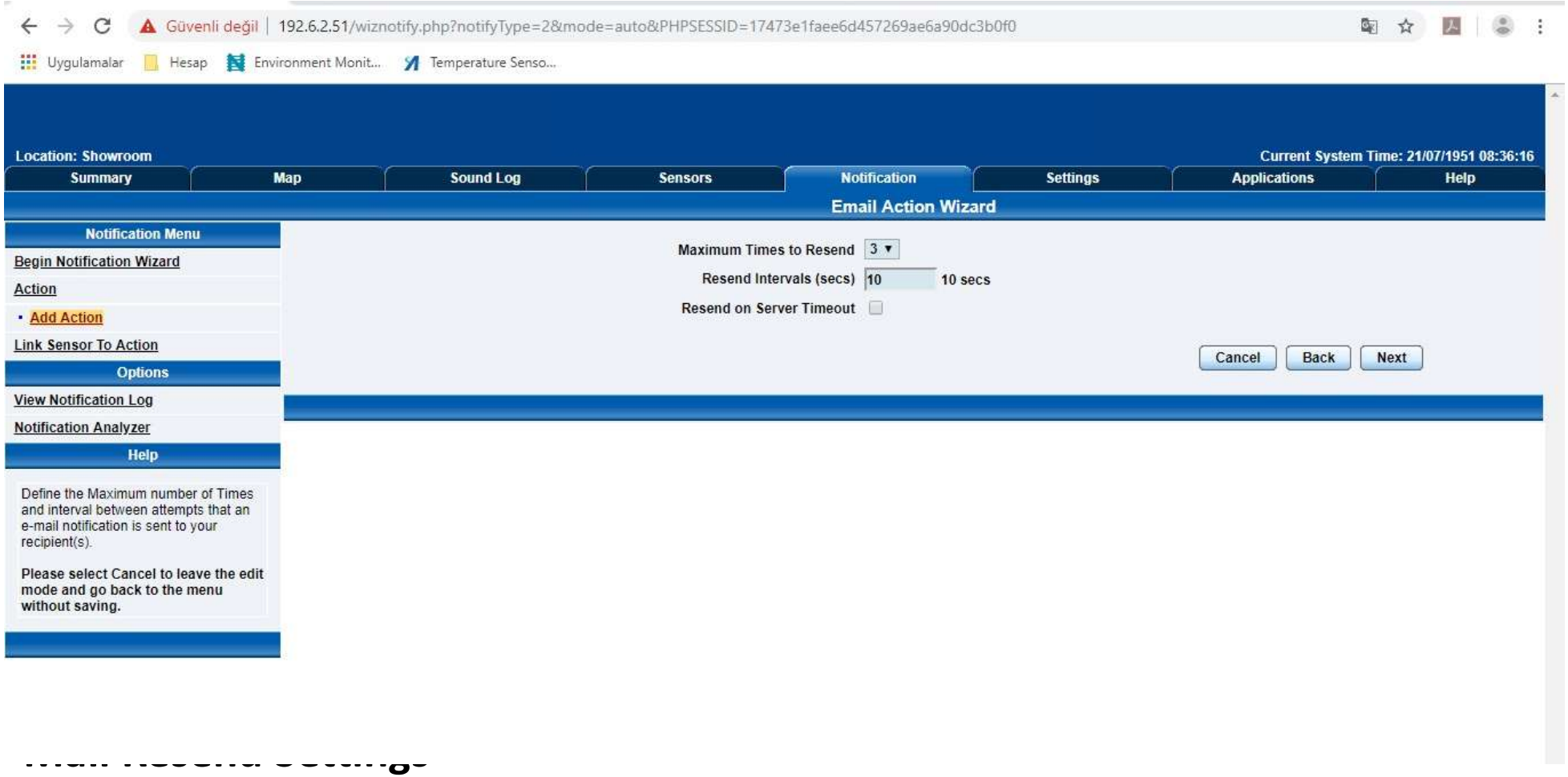
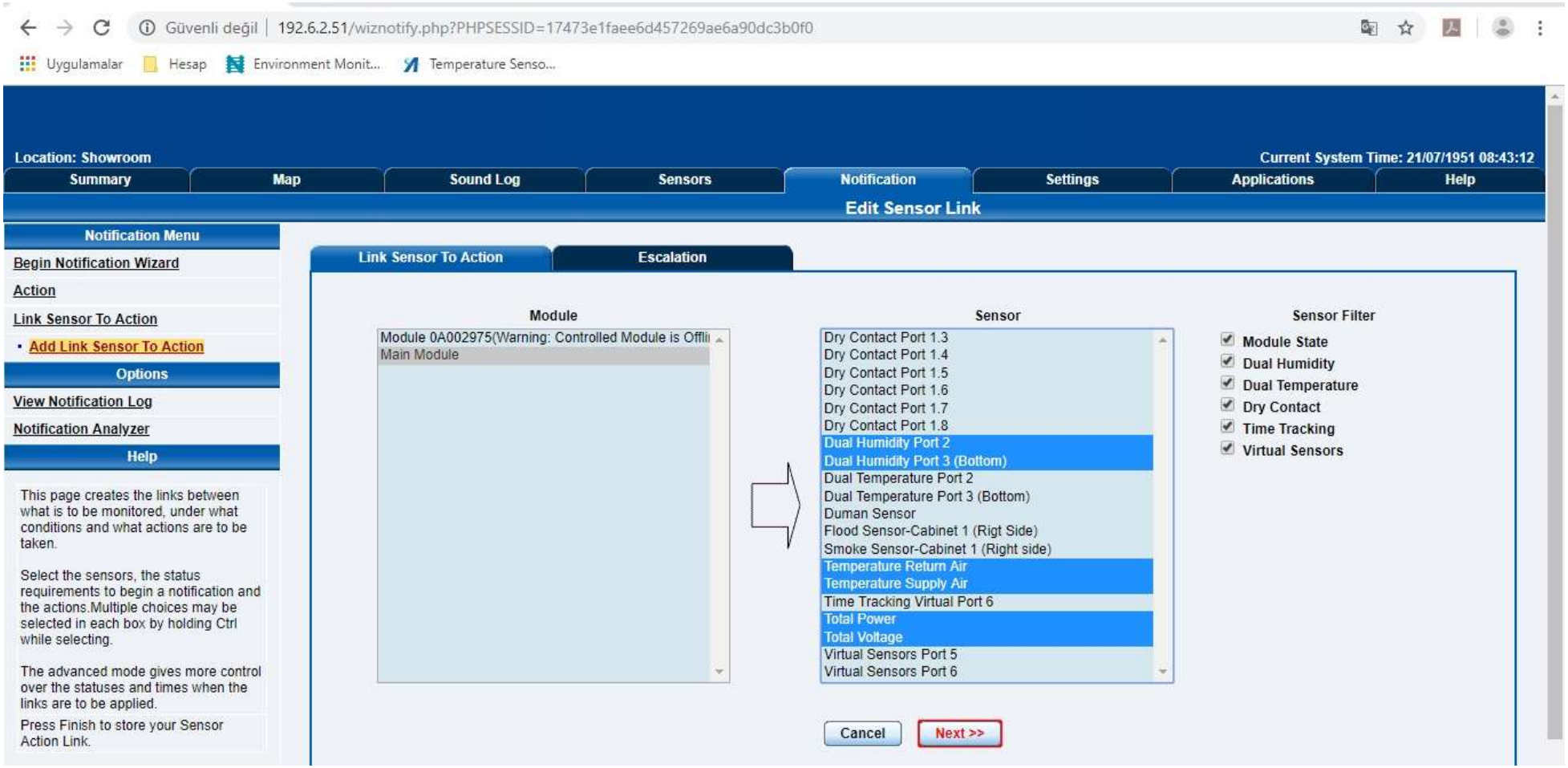


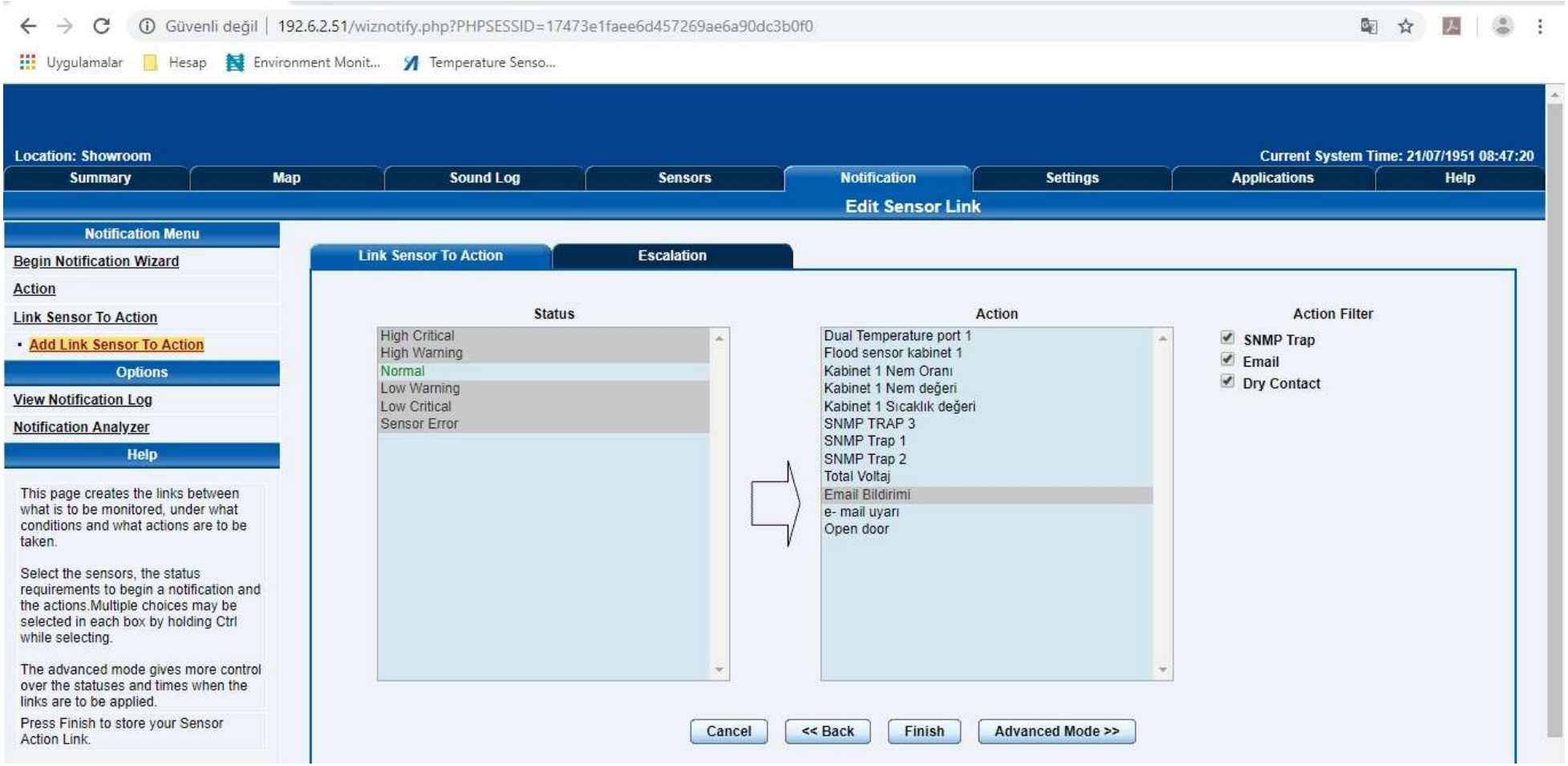
Mail Resend Settings

If the e-mail cannot be sent for any reason on this page, how many seconds to wait to be sent again, how many times the re-sending process will be done and if the server side falls into timeout, the re-sending settings are made. After making the settings, you can proceed to the next page by clicking the **«Next»** button.



Selection of EMS and Sensors Requested to Send E-mails

On this page, you can select which EMS or Extension module to transmit the status of which sensors by e-mail. After making the selections, you can proceed to the next page by clicking the **«Next»** button.



Sending an E-Mail, Desired Sensor Status and Selection of Sending Method

On this page; You can choose in which situation you want the sensor you choose from the Status section to send the mail and with which SMTP settings you want to send the e-mail.

After making the settings, you can proceed to the detailed setting page by clicking on the **«Advanced Mode»** button.

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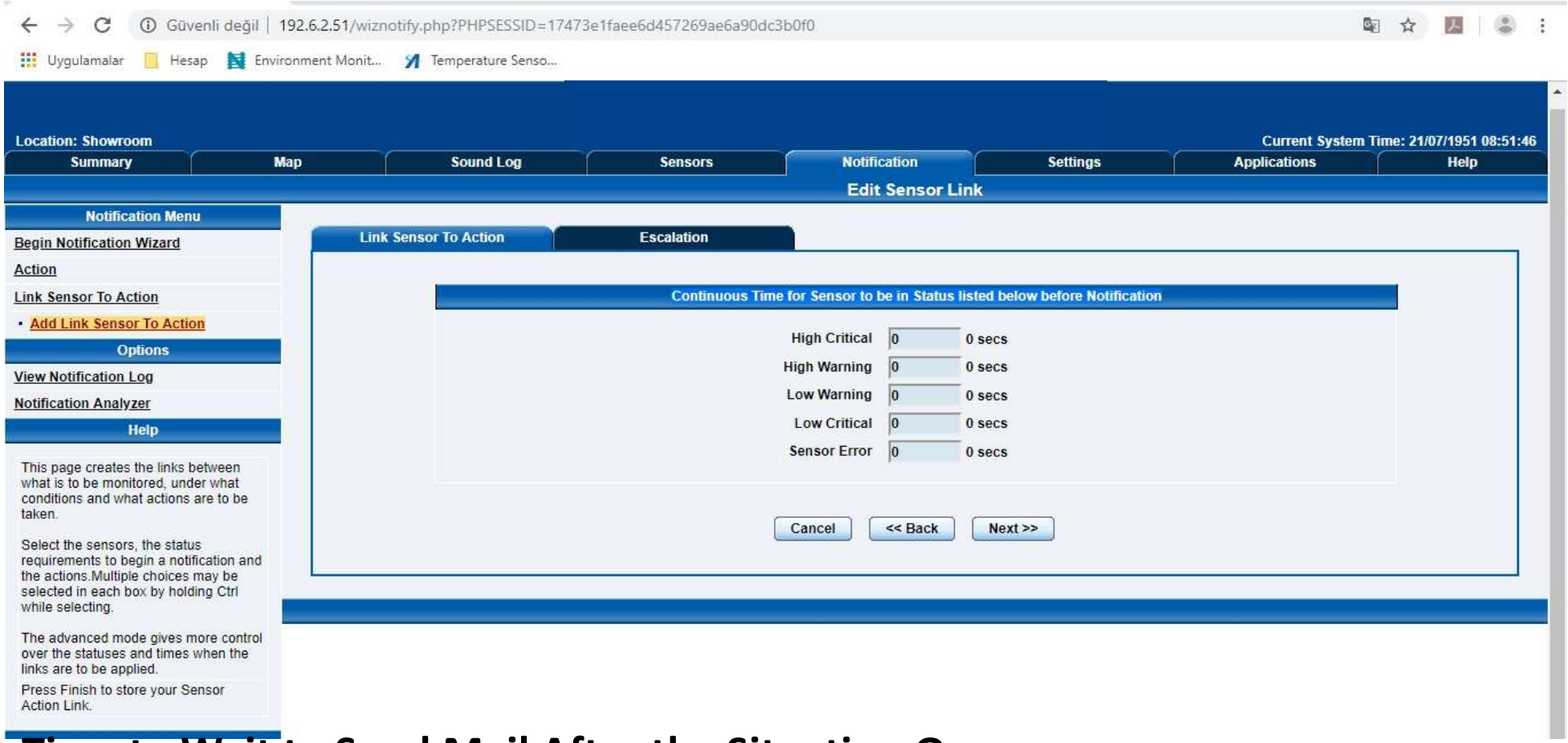
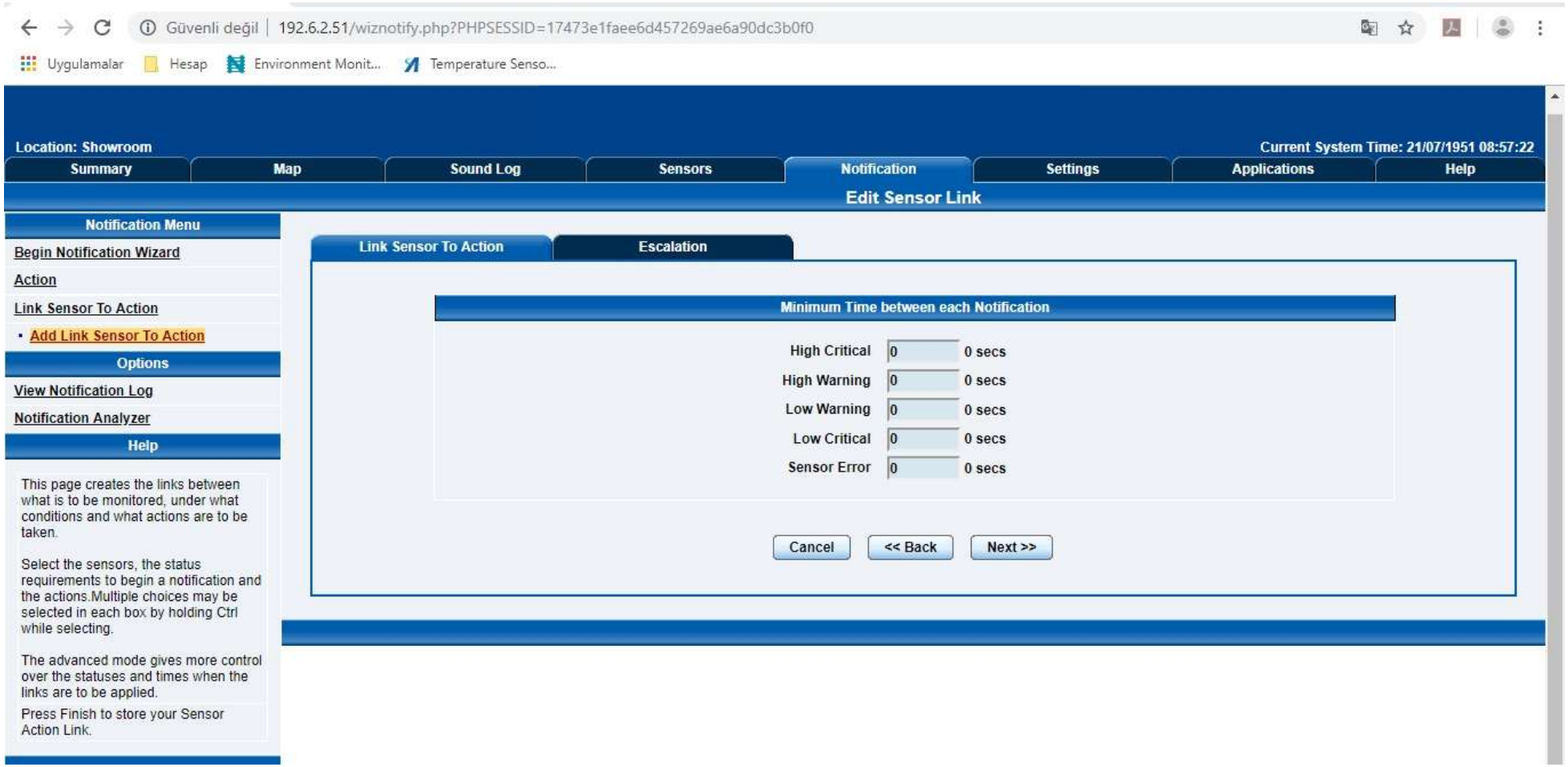


Time to Wait to Send Mail After the Situation Occurs

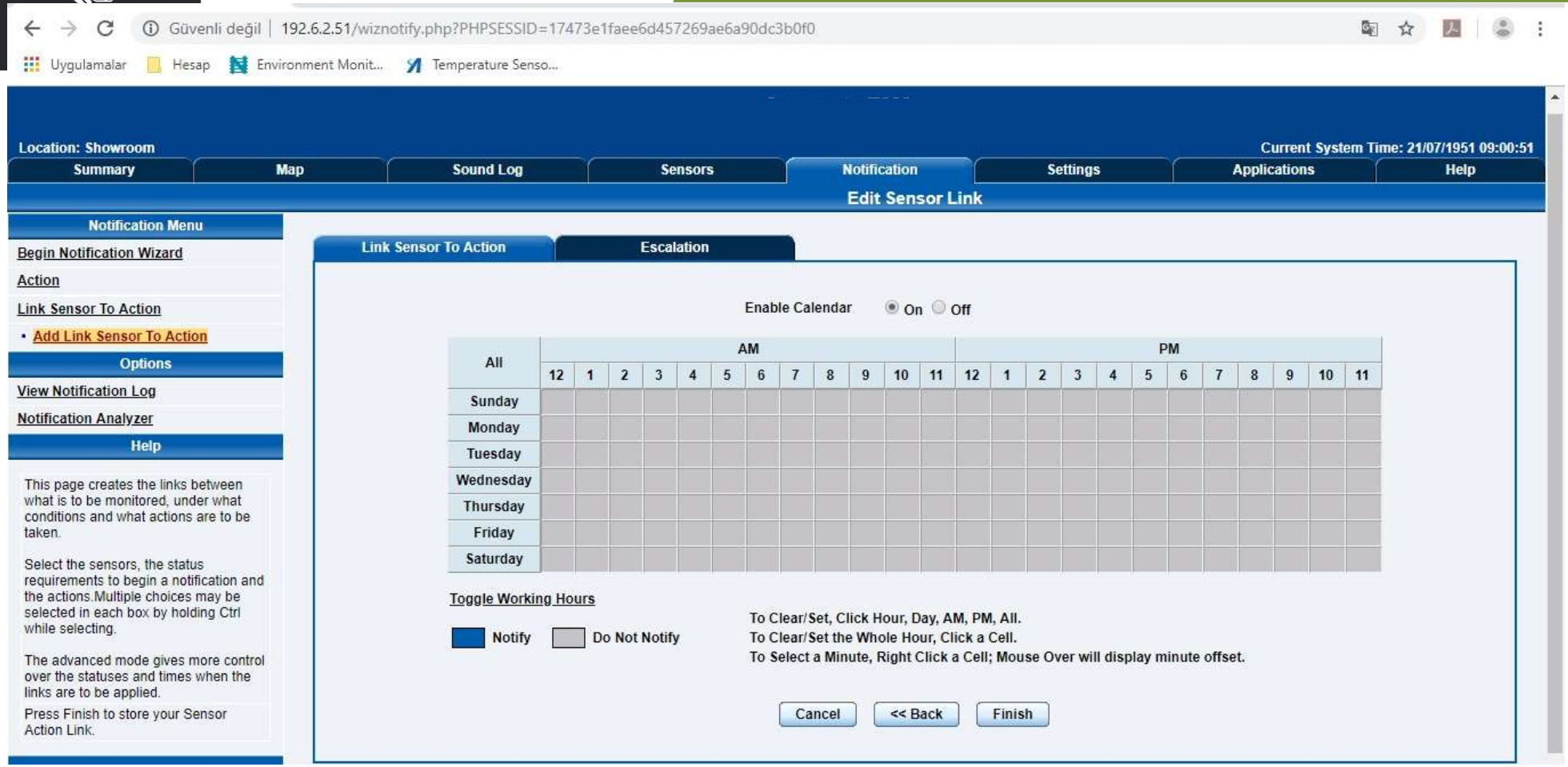
For each case on this page, the times to wait before sending a notification after the situation occurs should be determined. Thus, after the situation where the mail should be sent , the system will wait for the specified period of time and send an e-mail if the situation does not improve. After making the settings, you can proceed to the next page by pressing the **«Next»** button.



Time Required for Each Repetition

After a situation occurs on this page, the times to wait to send an e-mail in case the same situation occurs are determined.

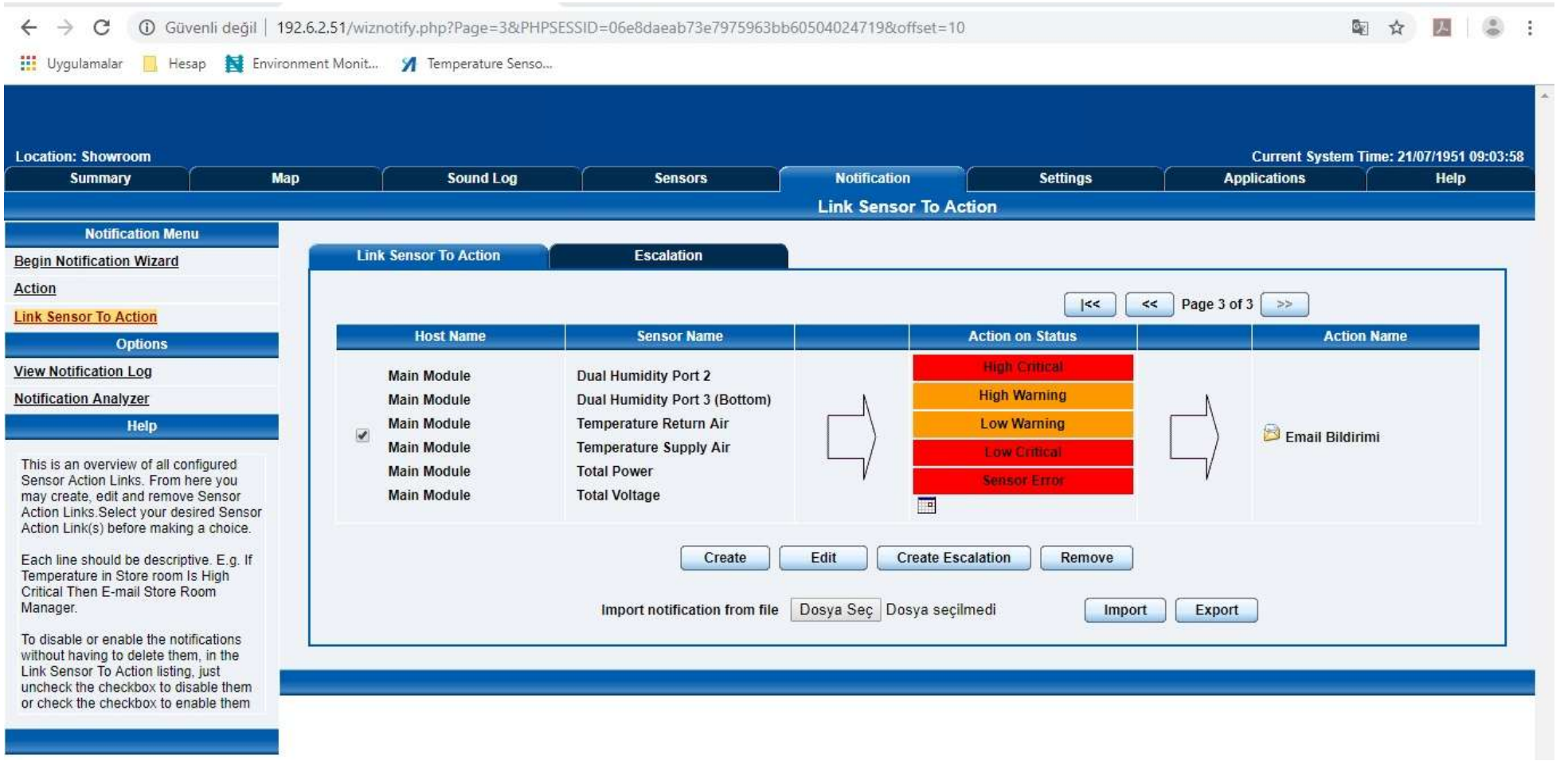
After making the settings, you can proceed to the next page by pressing the **«Next»** button.



Using the Calendar Option

You can activate or disable the calendar option through this page. If you actived this option, you will receive notifications within the days and hours you select. You won't receive notifications on non-electoral days and times.

After making the settings, you can finish the settings by clicking on the «Finish» button.



List of Notification Settings

The notifications you have created are listed on the **«Notification»** page. You can create, edit, delete, backup and restore notifications through the buttons at the bottom of the list.

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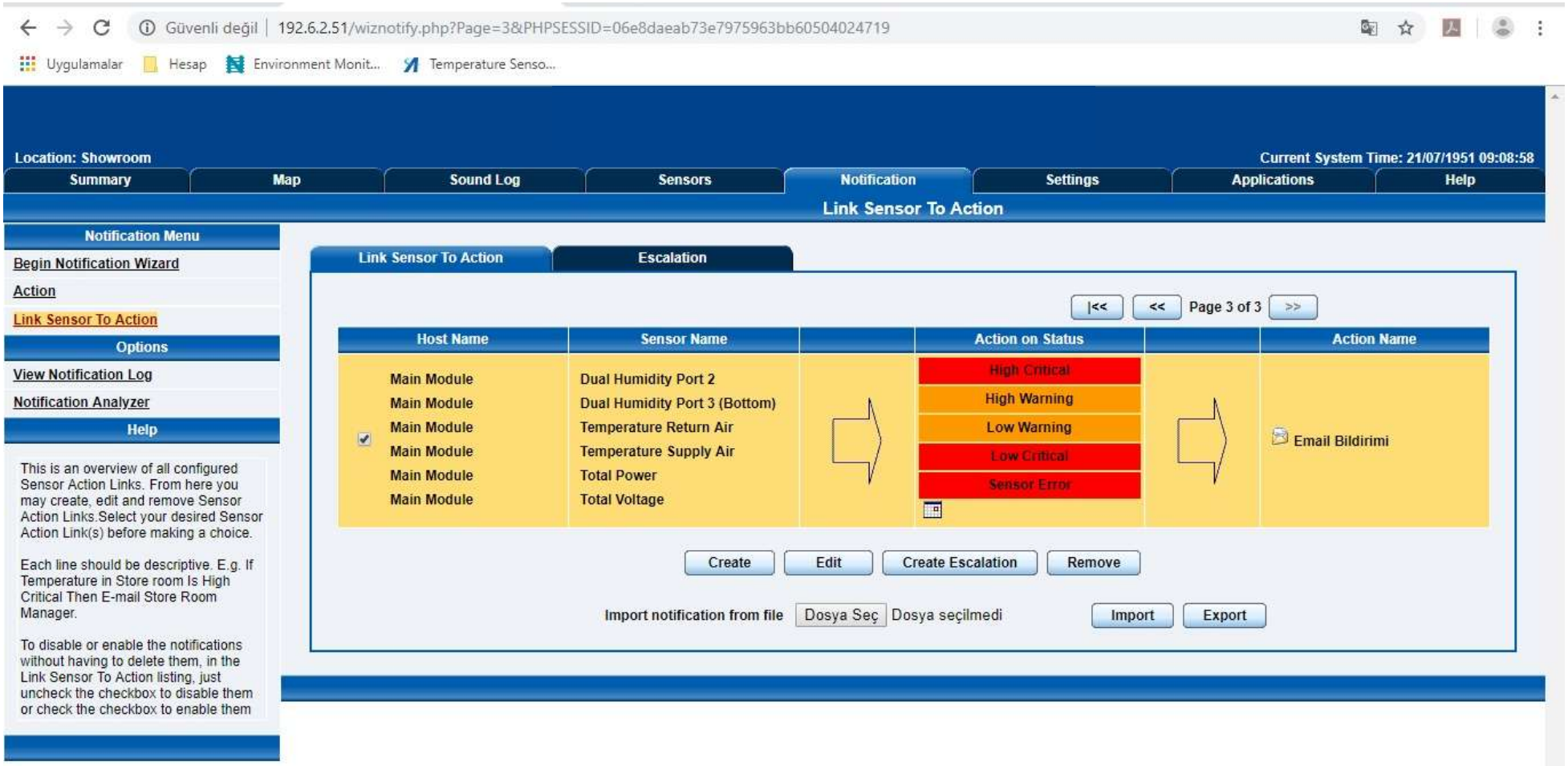

Notification Deletion

To delete a notification setting listed on the notification page, you need to click on it and click on the **«Remove»** button after it is orange.

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Thanks.

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