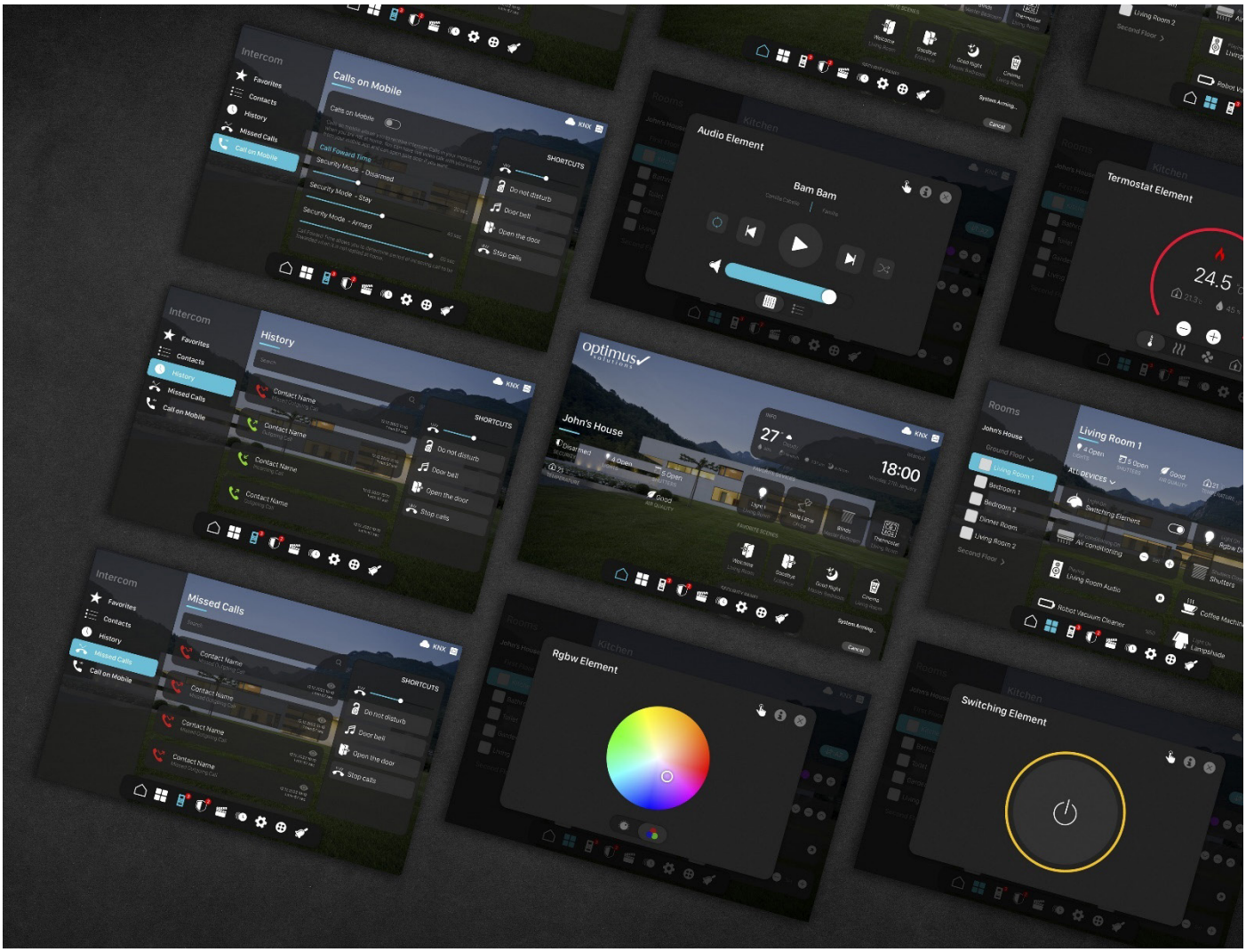
EDGE TOUCH PANEL

PROGRAMMING INTERFACE MANUAL



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1. CONNECTION TO PROGRAMMING INTERFACE

1.1. INTRODUCTION

Configuring Edge Touch Panel is handled via built-in web server. For this, you need to connect your computer and Touch Panel to the same local area network.

No internet connection is required while operating programming interface.

1.2. CONNECTING TOUCH PANEL TO NETWORK

Edge Touch Panels have dual Ethernet Network Interface. Both Ethernet Interface (ETH0, ETH1) use DHCP by default. Follow the steps below to log-in Programming Interface.

Connect to Network with DHCP Server:

- Connect ETH0 or ETH1 Ethernet Network of Touch Panel to the network.
- Go to Touch Panel UI > Settings > App Settings and then get IP Address of Touch Panel.
- Connect your computer to the same network.
- Enter IP address of Touch Panel to web browser.

Connect to Network without DHCP Server:

- In this case, Touch Panel needs to have a Static IP Address. Only ETH0 Ethernet Interface is able to configured with Static IP configuration, so use ETH0 Ethernet Interface to connect to network.
- Go to Touch Panel UI > Settings > App Settings. Tap 4 times to App Version to open Integrator Settings (hidden menu). Enter Integrator Password in pop-up window.

Default Integrator Password is 1234.

- Tap Integrator Menu. Select Static IP, and then assign a free IP Address to the Touch Panel.
- Connect your computer to the same network and then assign another free static IP Address to your computer.
- Enter IP Address of Touch Panel to web browser.

You can directly connect your computer and Touch Panel in case there is not any network established. Then follow steps above to reach Programming Interface

1.3. UPDATING TOUCH PANEL

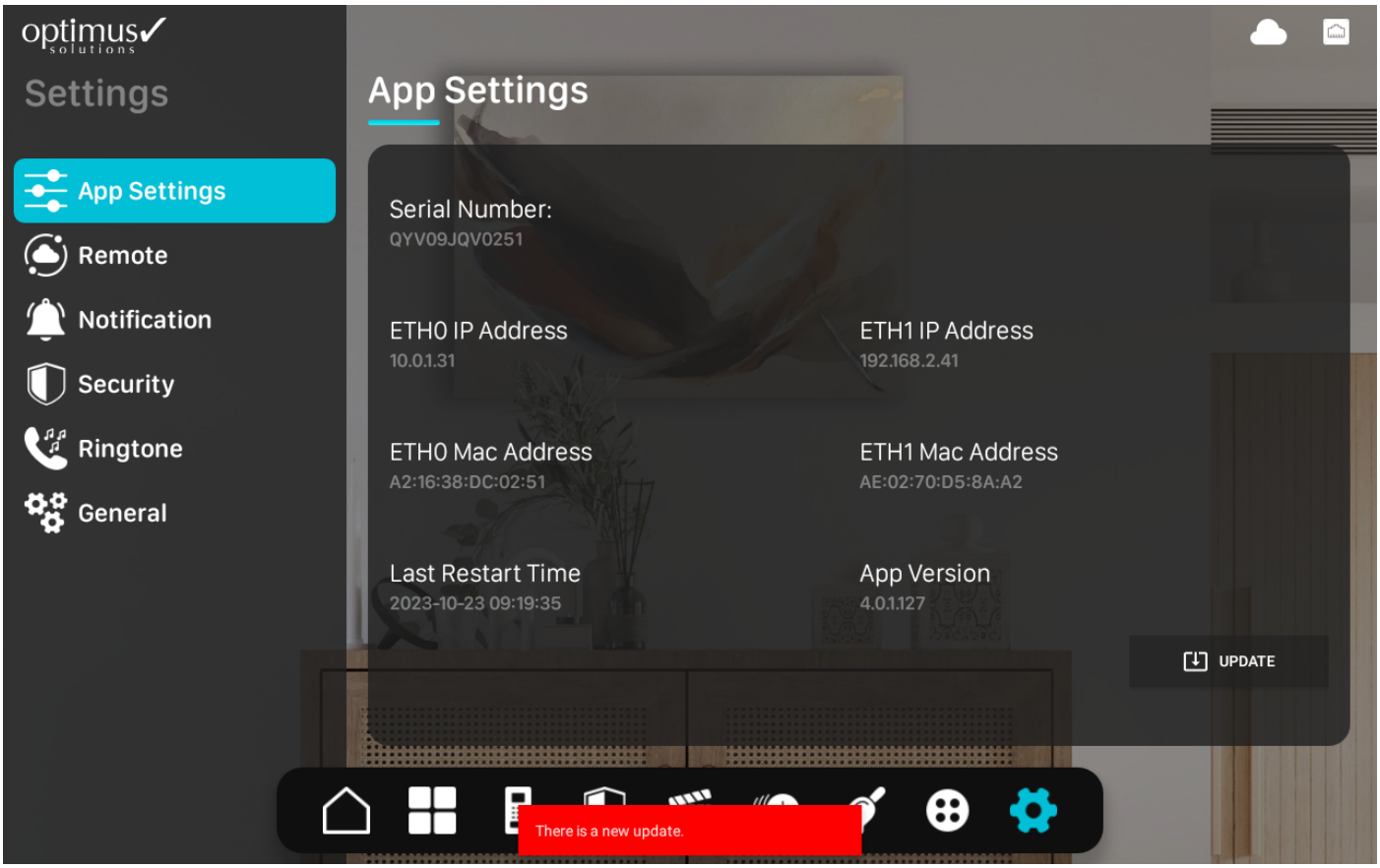
Before starting the configuration of Touch Panel, it should be updated to the latest version. Touch Panel can be updated in 2 ways:

1. Via On Screen, if Touch Panel has internet access
2. Via Optimus Updater Program, if Touch Panel has no internet access

1.3.1. UPDATING VIA ON SCREEN

If Touch Panel has internet Access, via On Screen;

- Go to Settings > App Settings
- A warning will appear if there is a new update
- By pressing "UPDATE" button, new version will be downloaded from Optimus Cloud and automatically uploaded to the Touch Panel



1.3.2. UPDATING VIA OPTIMUS UPDATER PROGRAM

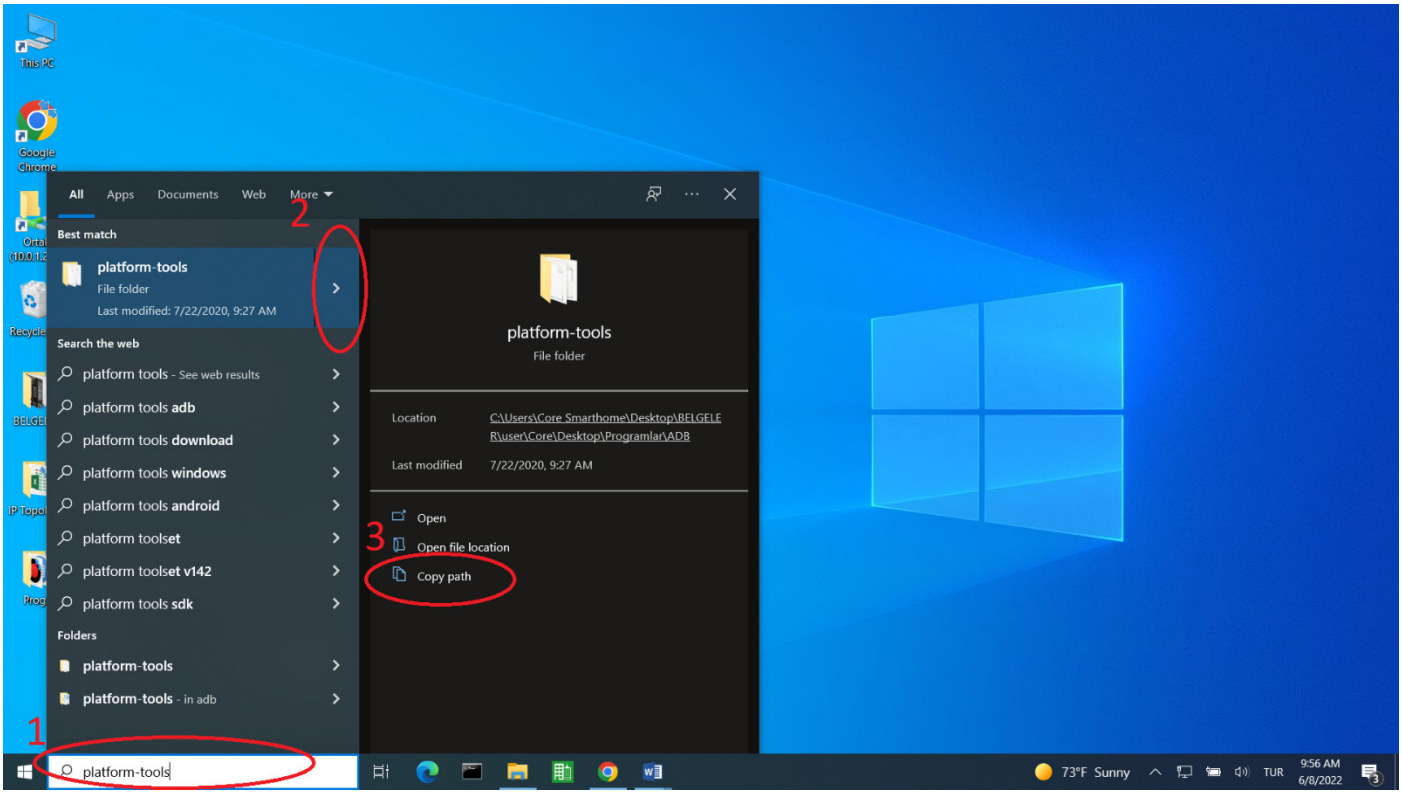
1.3.2.1 ACTIVATION OF ADB TOOL

If Touch Panel has no internet access, first of all it is necessary to activate ADB tool (Android Debug Bridge) on your computer. For this:

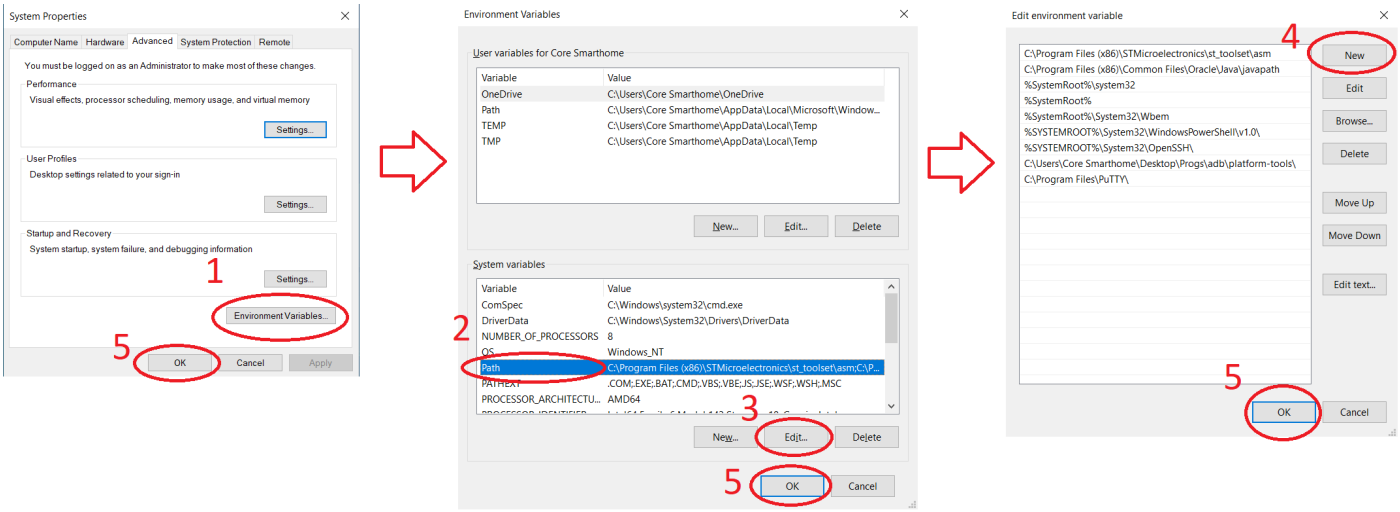
- Download Platform Tools folder to your computer from the link below

  https://storage.googleapis.com/optimus-solutions/adb.zip

- Extract the downloaded zip file to a new location on your computer.
- Type platform tools to search bar (1), open the folder detail (2) and click copy path (3)



- Go to Control Panel > System > Advanced System Settings
- On system properties page, click Environment Variables (1). On Environment Variables page, find "path" at system variables and click on it (2) and then click "Edit" (3). On Edit Environment Variables page, click "New" (4) ve paste the copied path. Then click "Ok" buttons (5) and close the pages.



- Finally, open command prompt window. Type adb command and press enter. If the operations you have done are correct Android Debug Bridge version and command details will be displayed with this command.

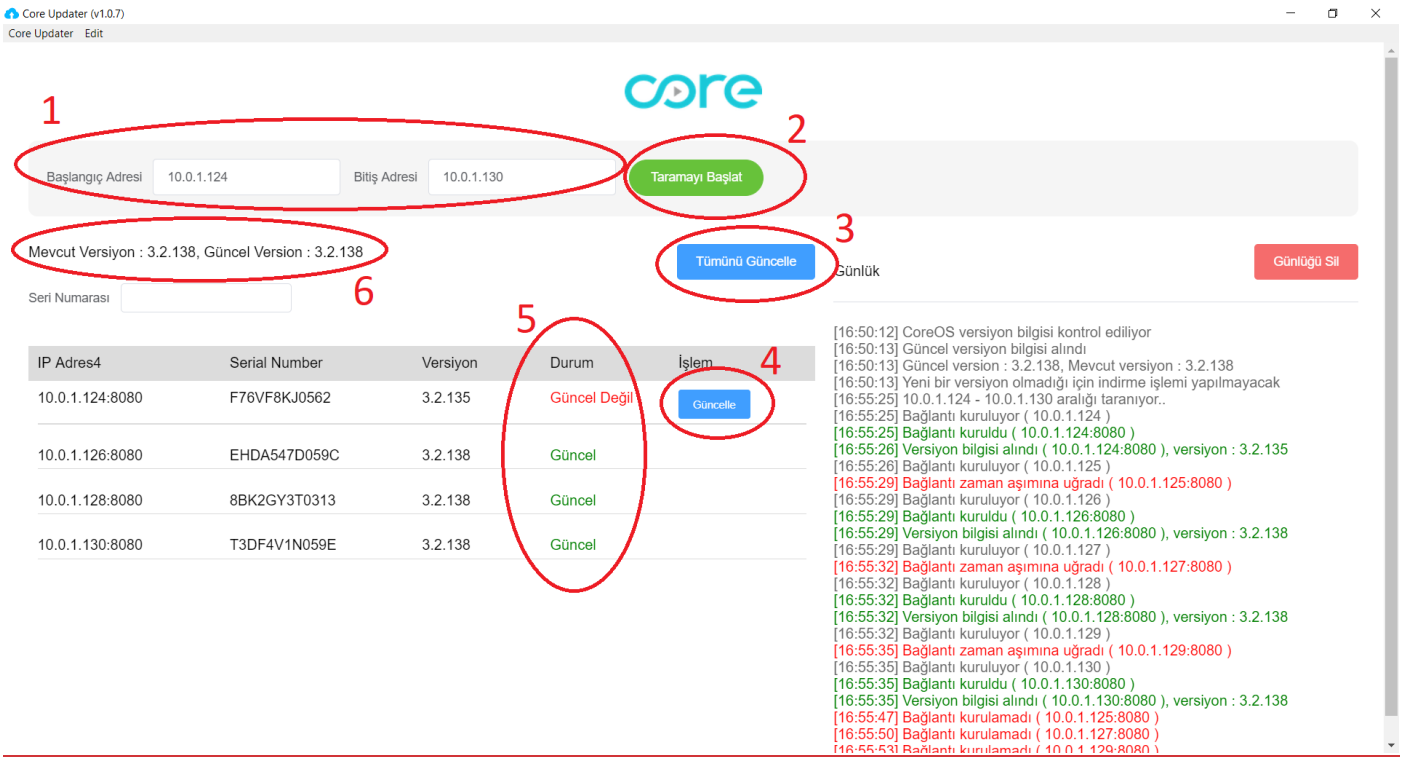
```
Command Prompt
Microsoft Windows [Version 10.0.18363.1556]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Core Smarthome>adb
Android Debug Bridge version 1.0.41
Version 30.0.0-6374843
Installed as C:\Users\Core Smarthome\Desktop\Progs\adb\platform-tools\adb.exe

global options:
 -a         listen on all network interfaces, not just localhost
 -d         use USB device (error if multiple devices connected)
 -e         use TCP/IP device (error if multiple TCP/IP devices available)
 -s SERIAL  use device with given serial (overrides $ANDROID_SERIAL)
 -t ID      use device with given transport id
 -H         name of adb server host [default=localhost]
 -P         port of adb server [default=5037]
 -L SOCKET  listen on given socket for adb server [default=tcp:localhost:5037]

general commands:
 devices [-l]             list connected devices (-l for long output)
 help                     show this help message
 version                  show version num

networking:
 connect HOST[:PORT]      connect to a device via TCP/IP [default port=5555]
 disconnect [HOST[:PORT]]
     disconnect from given TCP/IP device [default port=5555], or all
 pair HOST[:PORT]         pair with a device for secure TCP/IP communication
 forward --list           list all forward socket connections
 forward [--no-rebind] LOCAL REMOTE
     forward socket connection using:
       tcp:<port> (<local> may be "tcp:0" to pick any open port)
       localabstract:<unix domain socket name>
       localreserved:<unix domain socket name>
       localfilesystem:<unix domain socket name>
       dev:<character device name>
       jdwp:<process pid> (remote only)
       acceptfd:<fd> (listen only)
```

1.3.2.2 OPTIMUS UPDATER PROGRAM

Optimus Updater Program is used to scan and update the Touch Panels on the same network as your computer.

https://storage.googleapis.com/optimus-solutions/updater.exe

When the program is run, (if your computer has internet access) it inquires Optimus Cloud if there is a new version and automatically downloads it if there is. Thus, even if Touch Panels have no internet access, new version can be uploaded to Touch Panels via Optimus Updater Program.

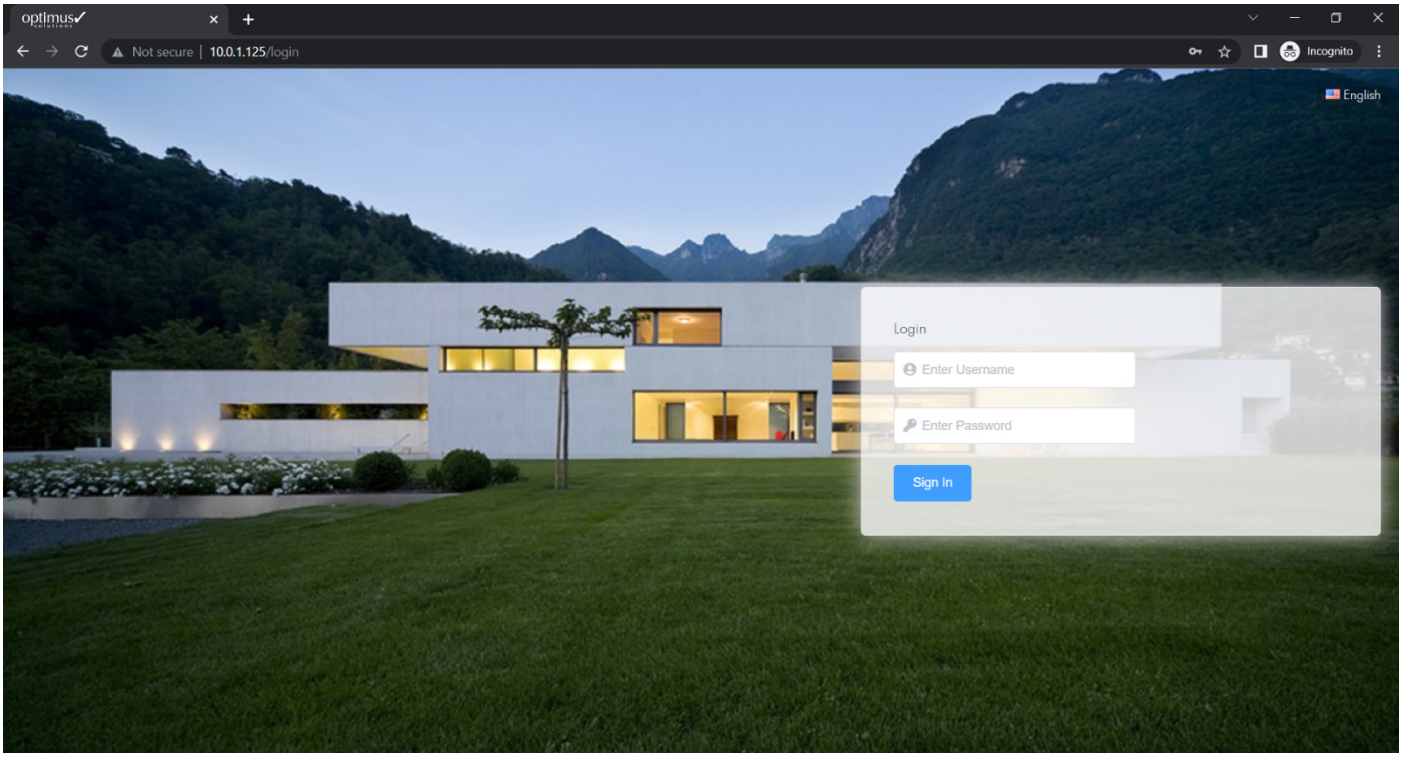


1. The section where IP ranges to be scanned are entered
2. Scan button
3. Update All button
4. Update button
5. Version Status
6. The version installed in the program and the latest version information that the program receives from Optimus Cloud

- Run Optimus Updater Program
- Enter IP ranges that will be scanned (1)
- Press “Scan” button (2)
- After scanning finished, all out of date Touch Panels can be updated by pressing “Update All” button (3) or one by one by pressing “Update” button (4)

1.4. LOG-IN TO INTERFACE

After completing network configuration, open a web browser in your computer and enter IP Address of Touch Panel. Then you will reach log-in page.



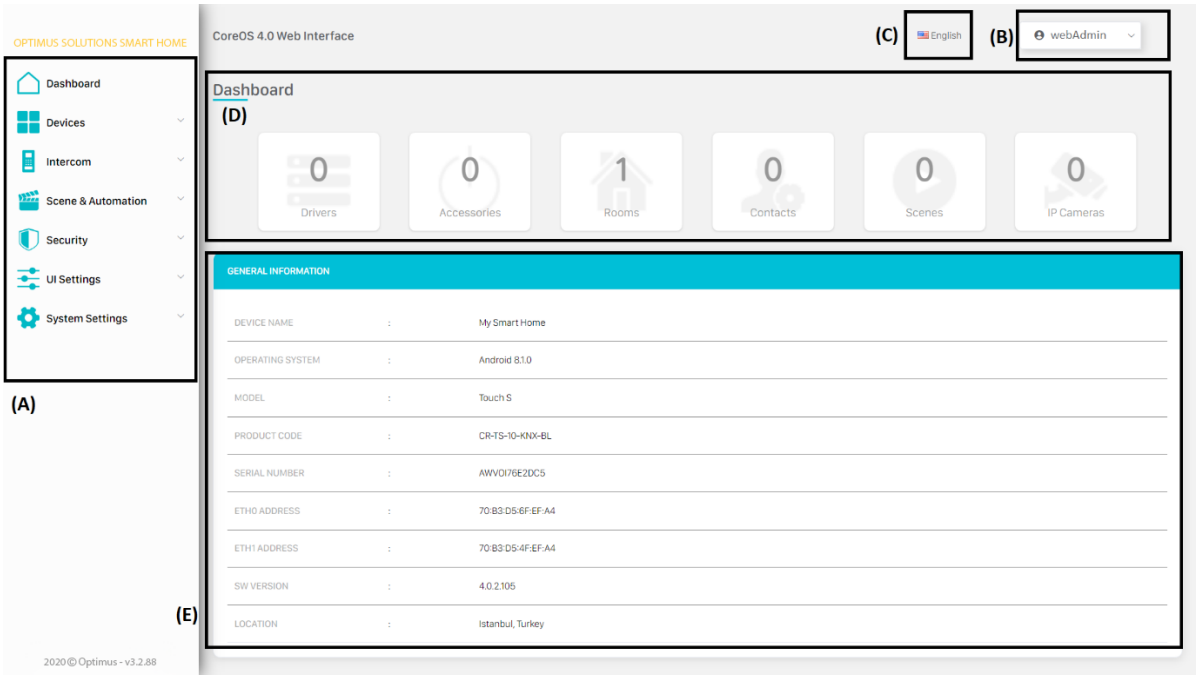
Enter Username and Password to log-in to Interface. Default username and password is below. You can change username and password after log-in to Interface.

Default Username : webAdmin
Default Password : wa1234

You can change language of Programming Interface by clicking button in the upper right corner of log-in page. Supported languages are English and Turkish.

If you can not log-in, delete cookies and clear browsing data in history of web-browser and try to log-in again.

1.5. PROGRAMMING INTERFACE OVERVIEW



(A). Programming Interface Menu:
Menus related to configuration of all parameters of Touch Panel.

- Dashboard: The menu that shows general information about Touch Panel and summary of configured parameters.
- Devices: The menu that enables to configure accessories controlled by Touch Panel, their drivers and rooms.
- Intercom: The menu that enables to configure settings of intercom feature and intercom contacts.
- Scene & Automation: The menu that enables to configure scenes and automation rules.
- Security: The menu that enables to configure security system with connected sensors and IP Cameras.
- UI Settings: The menu that enables to configure objects in Touch Panel User Interface.
- System Settings: The menu that enables to configure general system settings of Touch Panel.

(B). Programming Interface Shortcuts :
In this menu, there are functions such as changing password of Programming Interface, restarting Touch Panel when necessary and exit Programming Interface.

(C). Language Options:
Here are the language options of the Programming Interface. Supported languages are English and Turkish.

Selected language is only available for Programming Interface. It does not change the language of Touch Panel User Interface.

(D). Dashboard – Summary Information:
Summary view shows number of added drivers, accessories, rooms, contacts in intercom, created scenes and IP Cameras in Touch Panel.

(E). Dashboard – General Information about Touch Panel:
Here are the general information about Touch Panel.

2. SYSTEM SETTINGS

2.1. INTRODUCTION

This section describes the configuration of settings required for installation, commissioning and maintenance of Optimus Touch Panel. All settings described in this section can be found in System Settings menu. To access all of these settings, you must first be logged into Programming Interface. Submenus placed under System Settings are listed below:

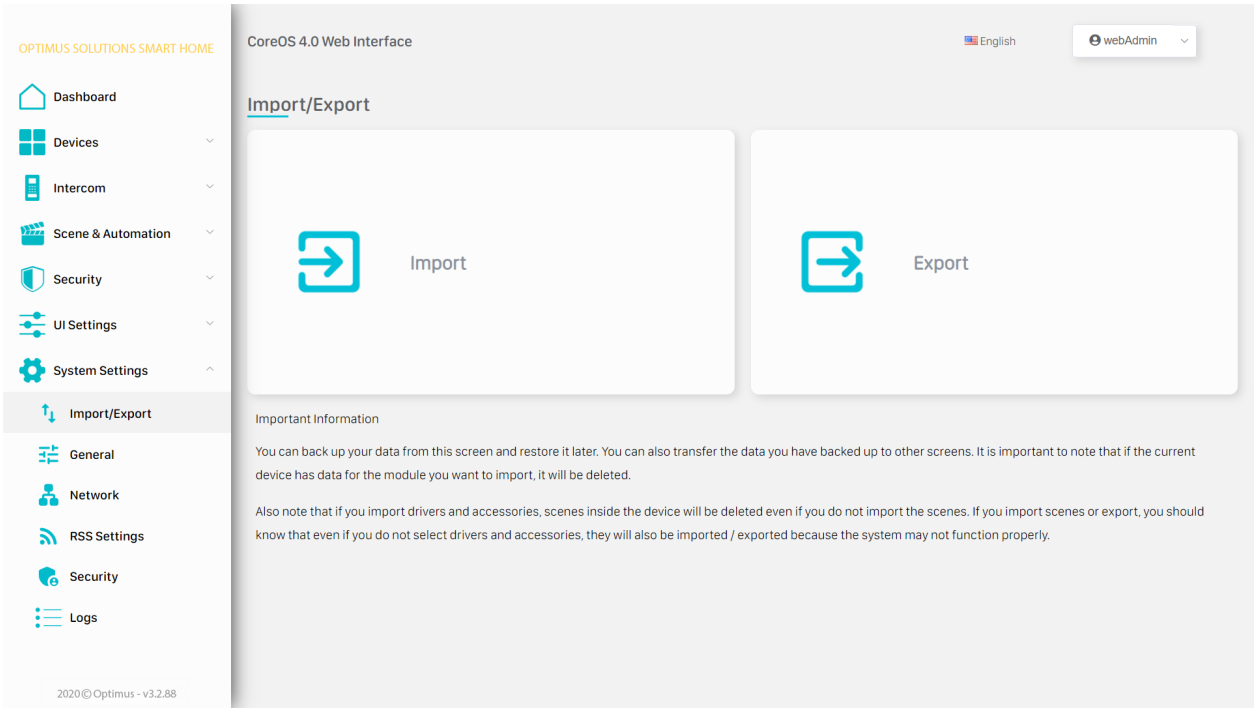
- Import / export
- General
- Network
- RSS Settings
- Security
- Logs

2.2. IMPORT/EXPORT

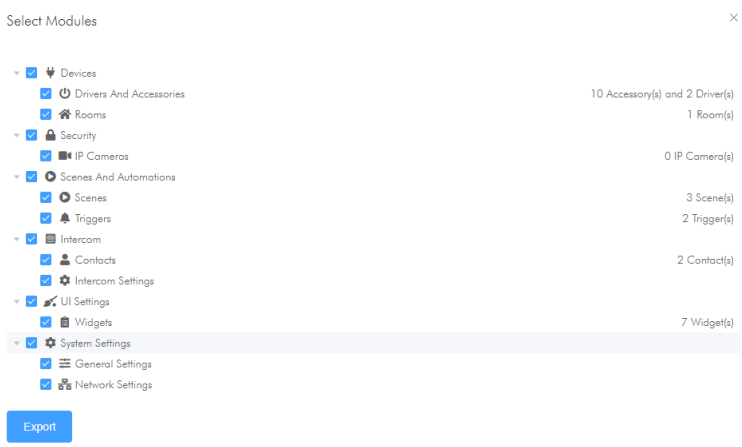
2.2.1 EXPORTING BACKUP

You can backup configurations in Touch Panel and restore these in another Touch Panels. To do this:

- Go to System Settings > Import / Export
- Click Export



- Select modules to backup and click export in the pop-up window.

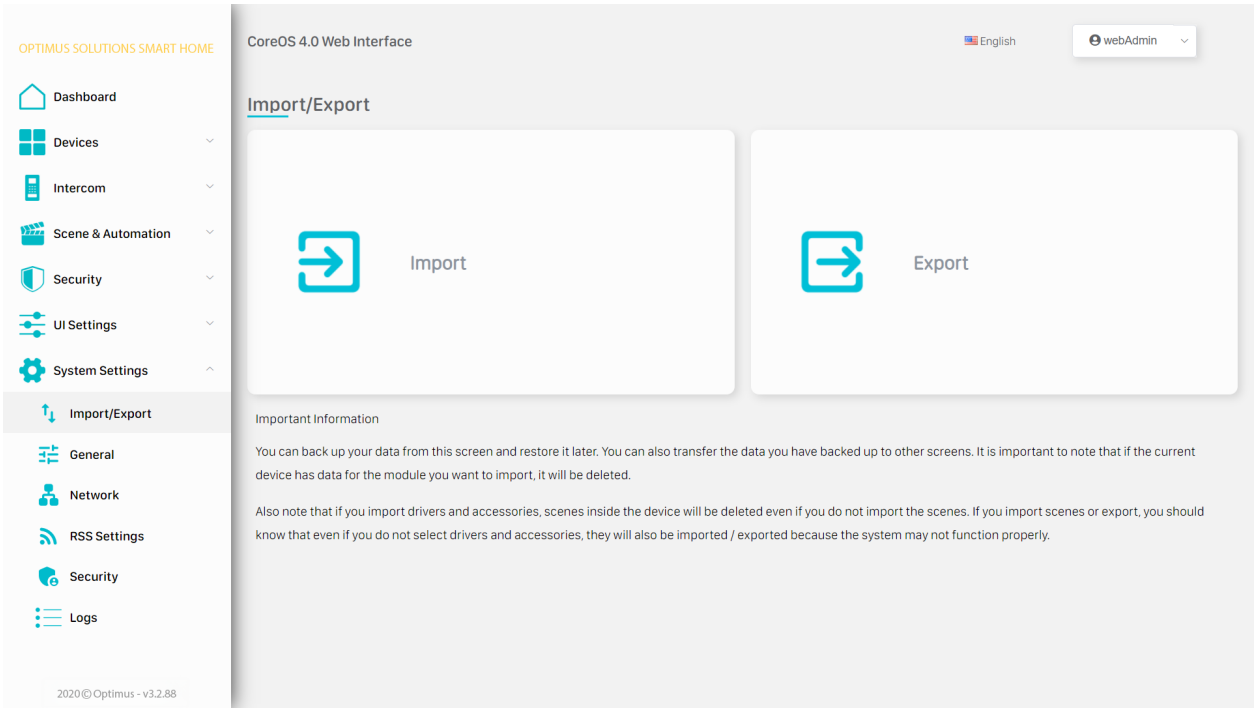


- Backup file is saved as backup.json in your computer.

2.2.2 IMPORTING BACKUP

You can restore backup configurations to Touch Panel. To do this:

- Go to System Settings > Import / Export
- Click Import



- Choose backup file and install in the pop-up window.

Previously configured module parameters will be deleted while restoring selected modules.

If Accessories and Drivers are exported, previously configured scenes will be deleted even scene configurations are not exported. This is because previously configured accessories and drivers will be deleted.

If scenes are imported/exported, accessories and drivers will be imported/exported to run scenes properly.

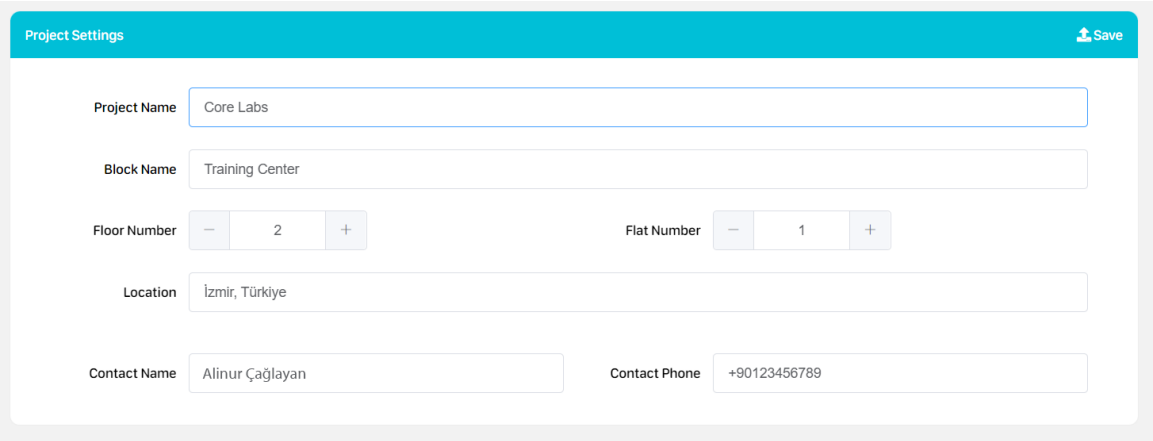
2.3. GENERAL

2.3.1 PROJECT SETTINGS

It is the section where information such as which block the Touch Panel is in, which floor, which flat it is in and the contact information of integrator commissioned the project are configured. Required information will be used to filter Touch Panels when the remote configuration feature is enabled. To do this:

- Go to System Settings > General > Project Settings
- Enter name of the project, block name, Floor number and Flat number.
- Enter the location of the Touch Panel.

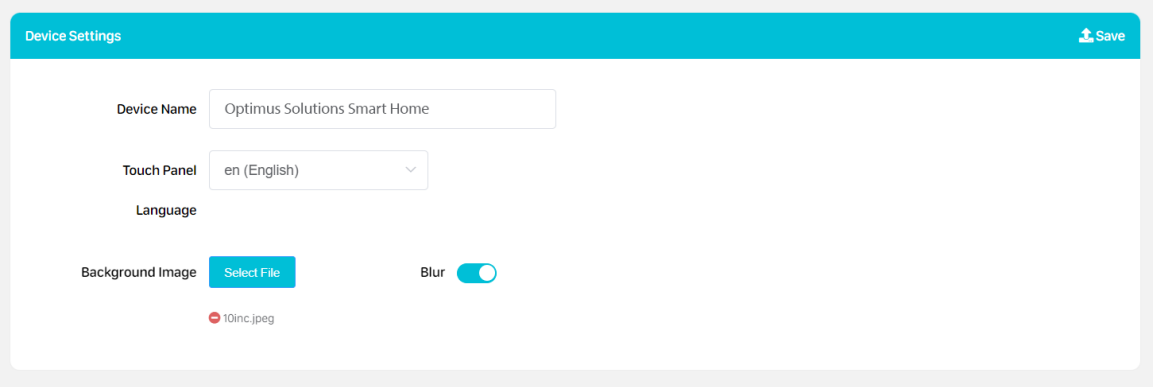
  Weather information of the related location is cached from weather servers and displayed in the dashboard of the Touch Panel user interface. Internet connection is required to do this.
- Enter the name and phone number of the integrator.
- Click save to apply changes.



2.3.2 DEVICE SETTINGS

It is the section where information such as name of the Touch Panel, user interface language and background picture are configured. To do this:

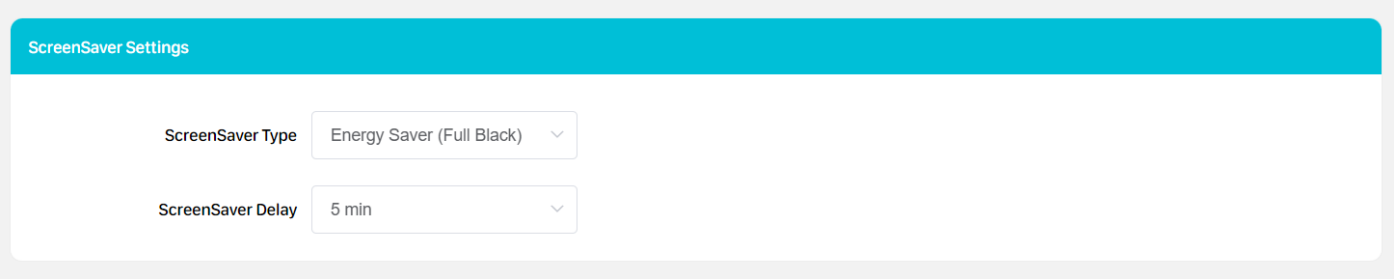
- Go to System Settings > General > Device settings
- Enter the name of Touch Panel. Name can be considered as the name of smart home, because Touch Panel is the controller of Optimus Smart Home System.
- Choose the language of Touch Panel user interface.
- Click Select File and choose preferred background picture. You can blur the picture by clicking blur button. Background picture must be **1280px X 800px for 10" Touch Panels and 600px X 1024px for 7" Touch Panels**.
- Click save to apply changes.



2.3.3 SCREEN SAVER SETTINGS

It is the section where Touch Panel Screen Saver settings are configured. To do this:

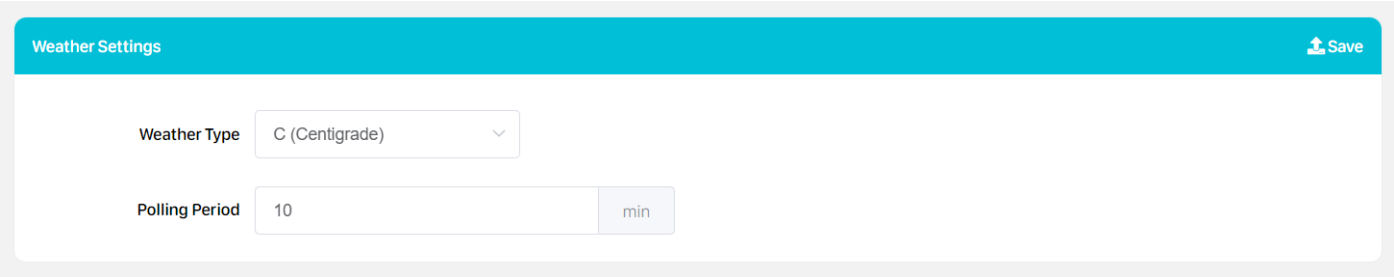
- Go to System Settings > General > Screen Saver
- Choose Screen Saver Time. Time can be selected between 1 – 60 minutes.
- Click save to apply changes.



2.3.4. WEATHER SETTINGS

It is the section where whether settings are configured. To do this:

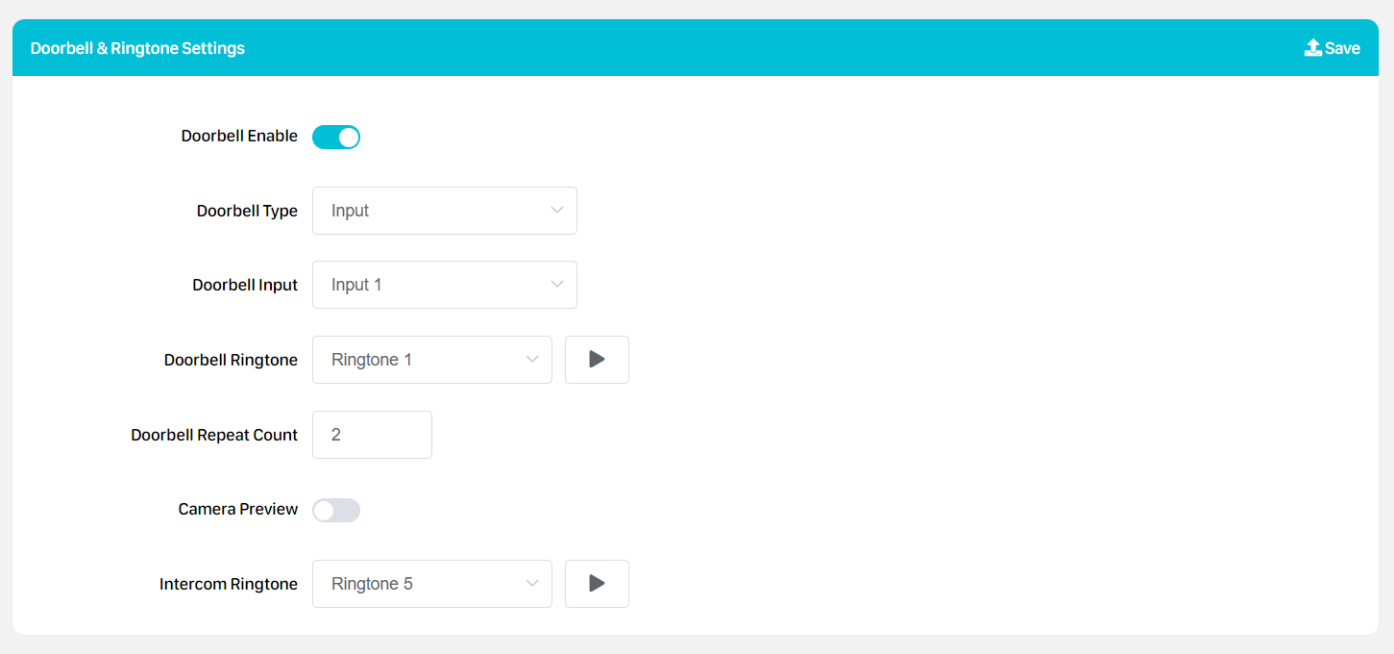
- Go to System Settings > General > Weather Settings
- Choose temperature unit.
- Choose polling period of weather information from Cloud Servers.
- Click save to apply changes.



2.3.5 DOORBELL & RINGTONE SETTINGS

It is the section where doorbell and ringtone settings are configured.
To do this:

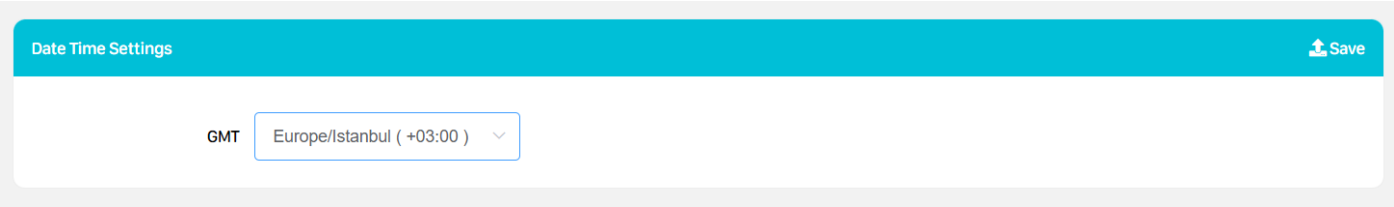
- Go to System Settings > General > Doorbell & Ringtone Settings
- Click doorbell enable button to activate doorbell function.
- Choose doorbell trigger type
  - System I/O Input
  - KNX
- Enter requested parameters according to doorbell trigger type.
- Choose doorbell ringtone.
- Choose doorbell ringtone repeat count.
- Turn on Camera Preview if you want to view selected camera when doorbell is triggered.
- Choose camera to be displayed. Note: To do this, camera must be added to Touch Panel from menu Security > IP Cameras.
- Enter the sequence of camera display when doorbell is triggered.
- Choose intercom ringtone from the list. This ringtone will play when intercom call is received.
- Click save to apply changes.



2.3.6 DATE & TIME SETTINGS

It is the section where time settings are configured. To do this:

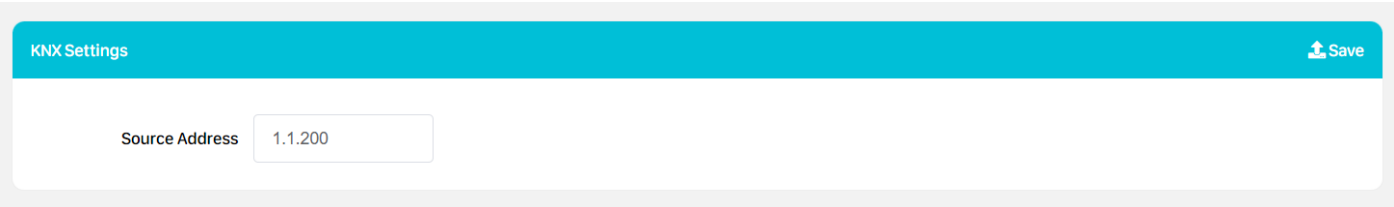
- Go to System Settings > General > Date&Time Settings
- Choose time zone(GMT)
- Click save to apply changes.



2.3.7 KNX SETTINGS

It is the section where physical address of Touch Panel in KNX Bus is configured. To do this:

- Go to System Settings > General > KNX Settings
- Enter KNX Source Address of Touch Panel.
- Click save to apply changes.



2.4 NETWORK SETTINGS

Touch Panels with dual Ethernet Interfaces (ETH0, ETH1) can be connected to 2 different LAN at the same time. Thanks to this feature, home and building network can be isolated from each other in multi flat residential buildings.

While ETH0 can be configured as Static and DHCP IP configuration, ETH1 is only configured as DHCP configuration.

Both Ethernet Interfaces have ability to connect to internet. That's why, when both interfaces are connected to local networks, it should be specified through which local network the Touch Panel should be connected to internet.

If Both Ethernet interfaces are used, it is recommended to configure ETH0 and ETH1 IP addresses in different IP blocks

In this section, you can determine which Ethernet interface the Touch Panel should connect to internet. To do this:

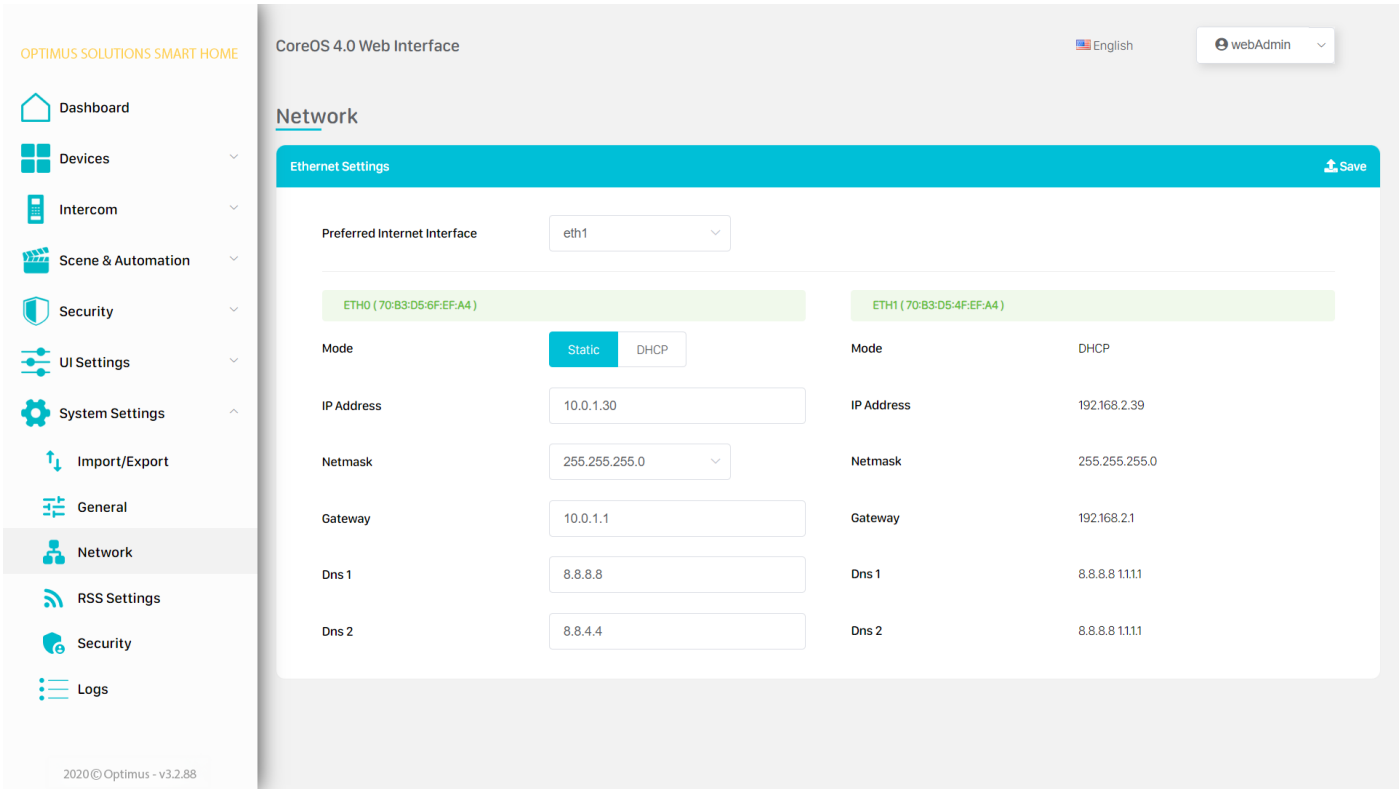
- Go to System Settings > Network
- Select which Ethernet interface you want the Touch Panel to connect to internet. Make sure that there is an internet connection in the network that your preferred interface is connected to.

If there is an internet connection in both networks, internet connection will be provided from the interface you prefer.

- Click save to apply changes.

It is the section where ETH0 Ethernet network interface settings are configured. To do this:

- Go to System Settings > Network
- Choose IP Client mode (Static, DHCP)
- Enter requested parameters in case you choose Static IP.
- Click save to apply changes.

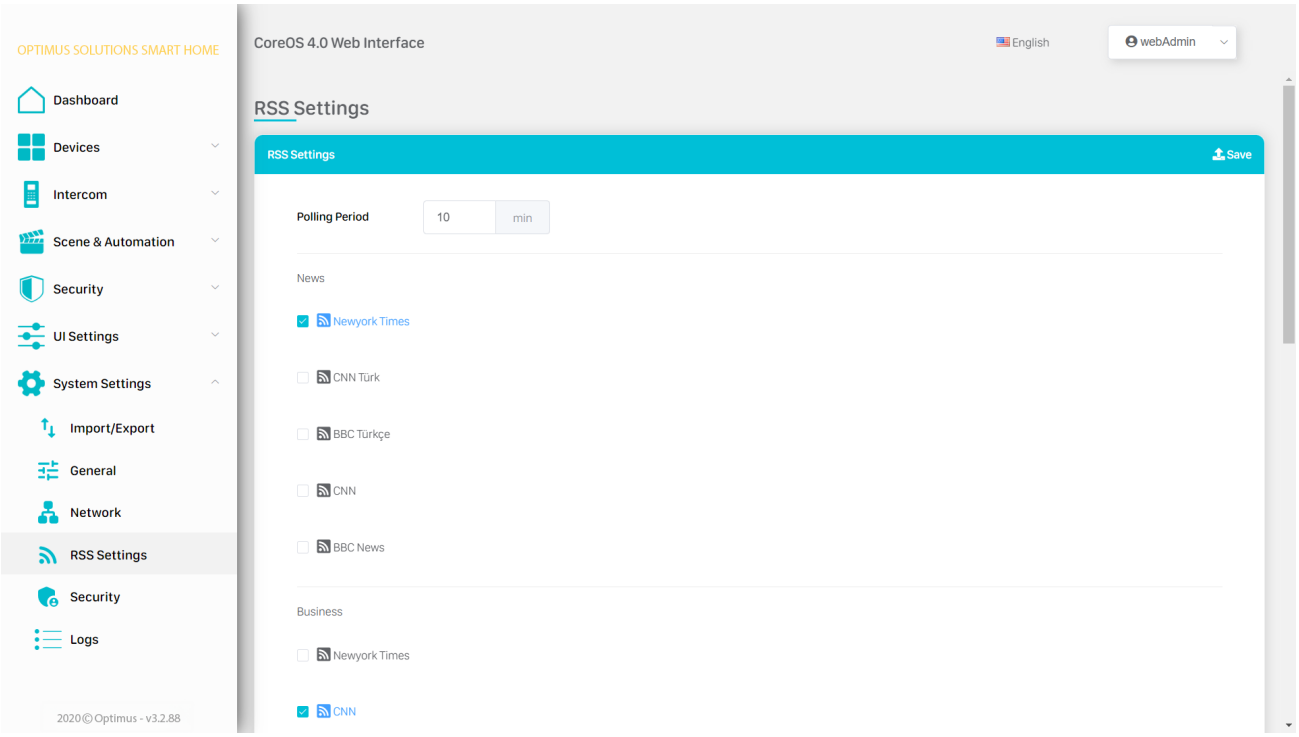


2.5 RSS SETTINGS

It is the section where RSS Feeds settings are configured. Supported RSS headlines:

- News
- Business
- Technology
- Sports
- Economy

When the RSS feeds under these headlines are checked, they will be displayed on the RSS Widget in the dashboard of Touch Panel user interface.

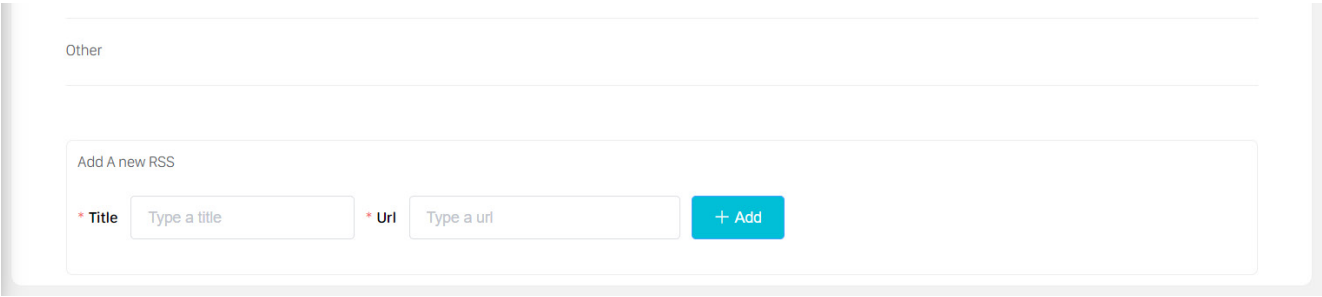


To configure RSS Feed polling period:

- Go to System Settings > RSS Settings
- Enter a value to polling period.
- Click save to apply changes.

To add an RSS feed other than standard RSS feeds:

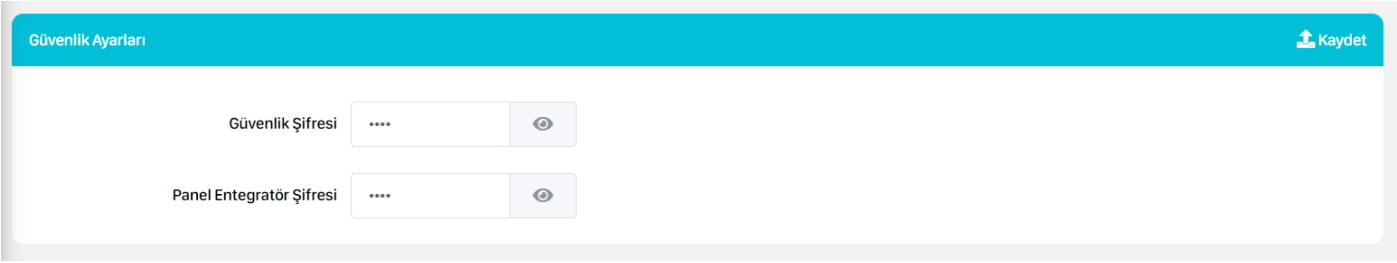
- Go to System Settings > RSS Settings
- Enter the title of RSS feed.
- Enter the URL of RSS Feed
- Click Add button
- Click save to apply changes.



2.6 SECURITY SETTINGS

This is the section where Security System Password and Integrator Password of Touch Panel are configured. To do this:

- Go to System Settings > Security Settings
- Enter Arm/Disarm password of Security System. (You must first activate password on Touch Panel UI. See Security Panel Settings > Settings to be made on Touch Panel UI)
- Enter Panel Integrator Password. Default password is 1234
- Click save to apply changes.



2.7 LOGS

This is the section where occurred system errors are listed on the Touch Panel. To do this:

- Go to System Settings > Logs
- You can view previously recorded errors as a list
- To refresh list click refresh button
- To export error logs click button on the upper right corner of the page.

3. UI SETTINGS

3.1. INTRODUCTION

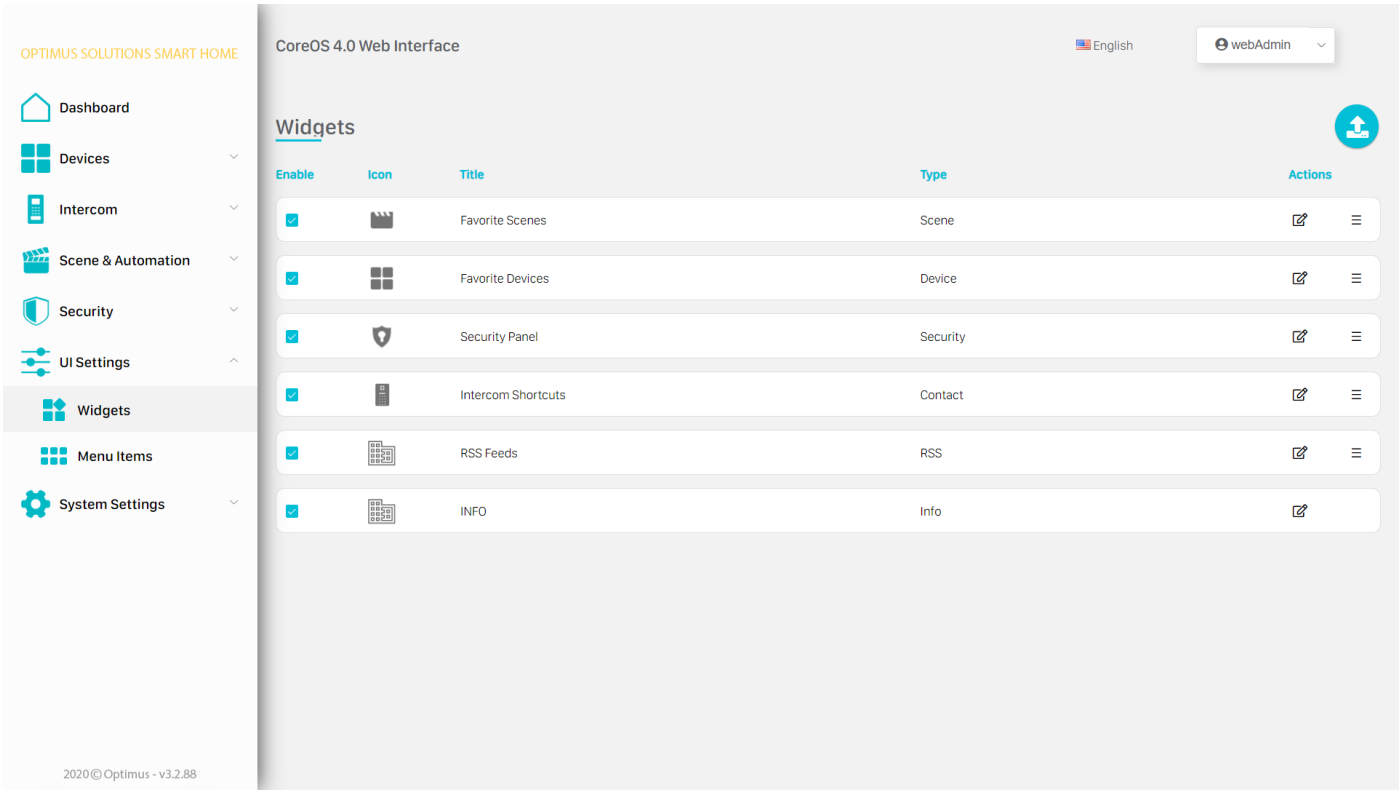
Configurations of the Touch Panel user interface are made in this section. You can customize the interface by adjusting visual settings for the widgets and menus on the dashboard.

3.2. WIDGETS

Widgets are useful sections of the Touch Panel user interface that appear on the dashboard. Thanks to these widgets, user can directly access favorite devices, favorite scenes, intercom shortcuts, security panel and RSS feeds on the dashboard.

Available Widgets:

- Favorite Devices
- Favorite Scenes
- Security Panel
- Intercom Shortcuts
- RSS Feeds
- INFO (Date and Time, Weather Condition)

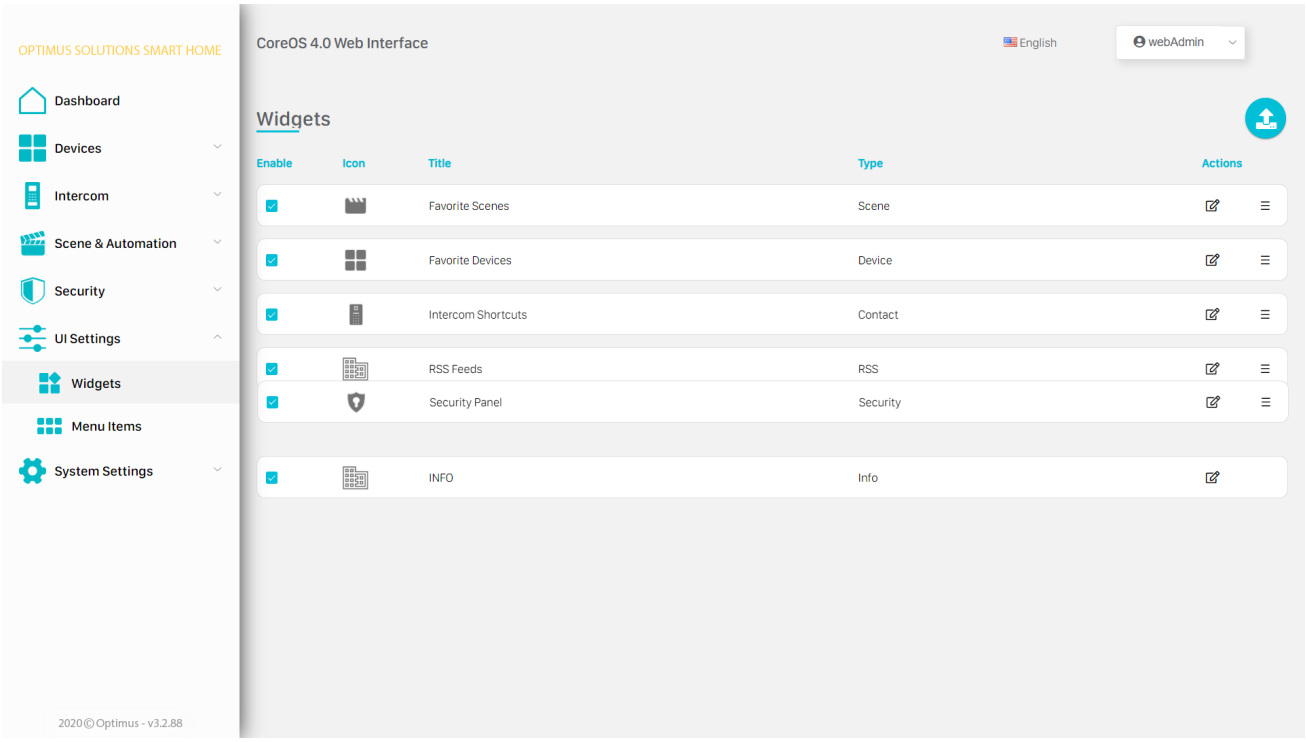


3.2.1. ENABLING WIDGETS

- Go to UI Settings > Widgets
- Click the box in the Enable column which widgets you want to display on the dashboard.
- Click button to save changes.

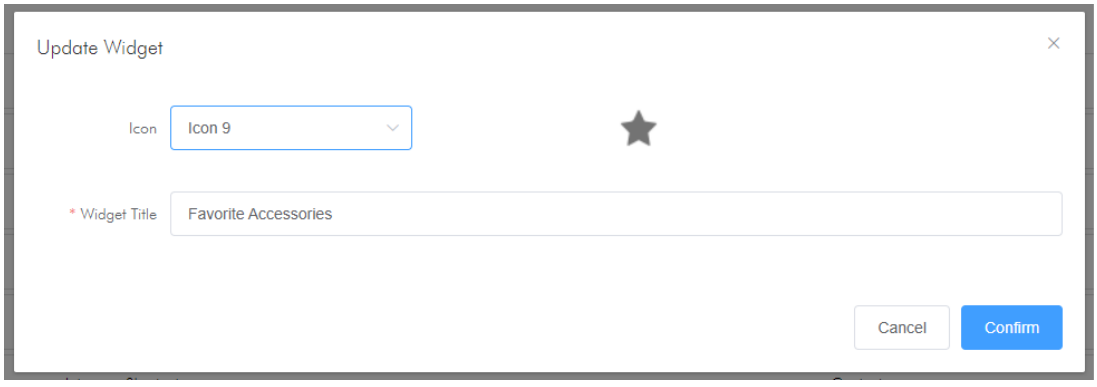
3.2.2. ORGANIZING VIEW ORDER OF WIDGETS

- Go to UI Settings > Widgets
- Change the order with drag and drop after click and hold ☰ button in the actions column.
- Click button to save changes



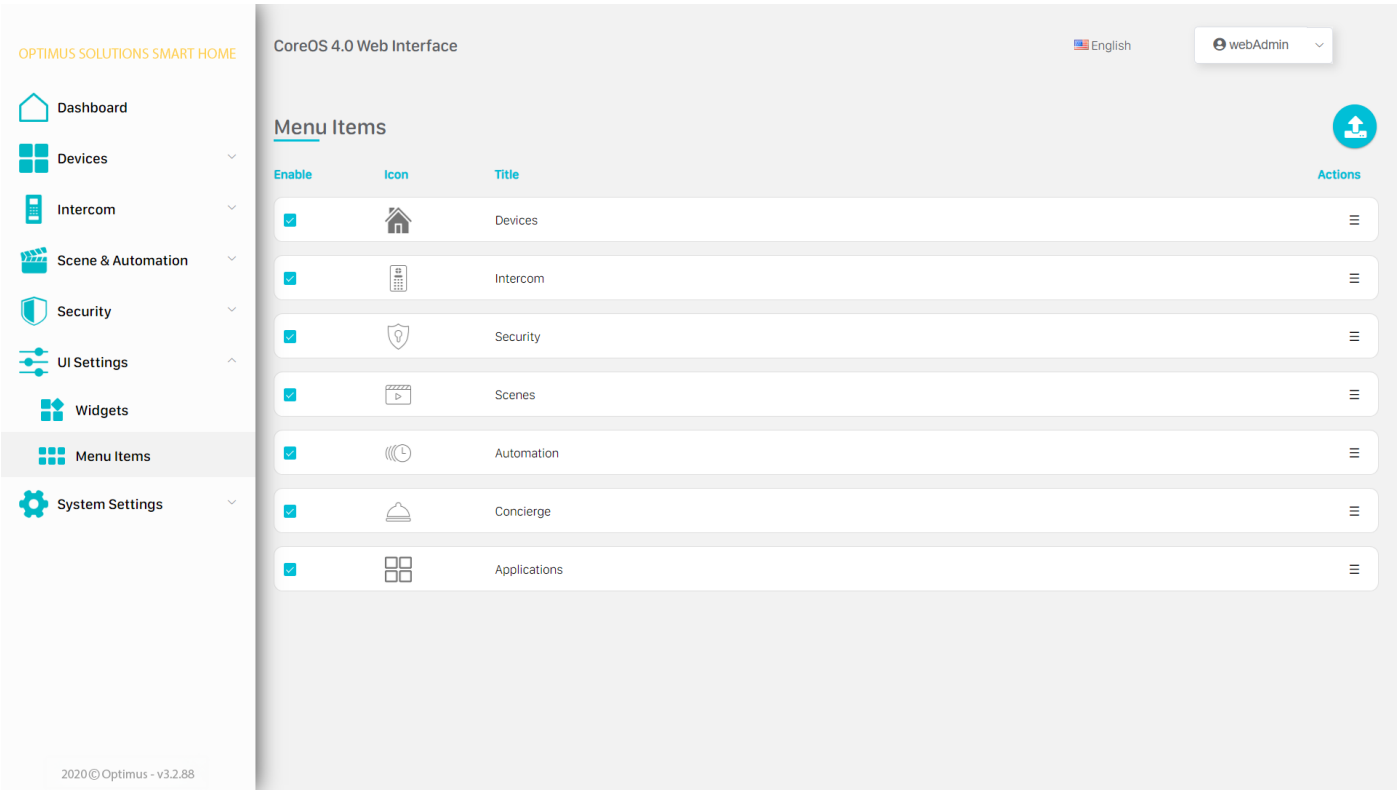
3.2.3. EDITING WIDGETS

- Go to UI Settings > Widgets
- Click button to change the title and icon of the widgets
- Change the title and icon of the widget in the pop-up window and confirm.
- Click button to save changes
-



3.3. MENU ITEMS

Menus are the items displayed on the dashboard of Touch Panel user interface. From these menus, Devices, intercom system, security panel, scenes, automation recipes, concierge system and 3rd party applications installed on Touch Panel can be accessed. Unused menus can be removed from dashboard.



3.3.1. ENABLING MENUS

- Go to UI Settings > Menu Items
- Click the box in the Enable column which menus you want to display on the dashboard.
- Click button to save changes

3.3.2. ORGANIZING VIEW ORDER OF MENU ITEMS

- Go to UI Settings > Menu Items
- Change the order with drag and drop after click and hold ☰ button in the actions column.
- Click button to save changes

4. DRIVERS

4.1. INTRODUCTION

Drivers are the automation interfaces to which accessories will be connected. Edge Touch Panel offers possibility to connect with many different automation interfaces. This provides the opportunity to control accessories connected to more than one automation interface on the same Touch Panel at the same time in the same user interface.

Available Drivers:

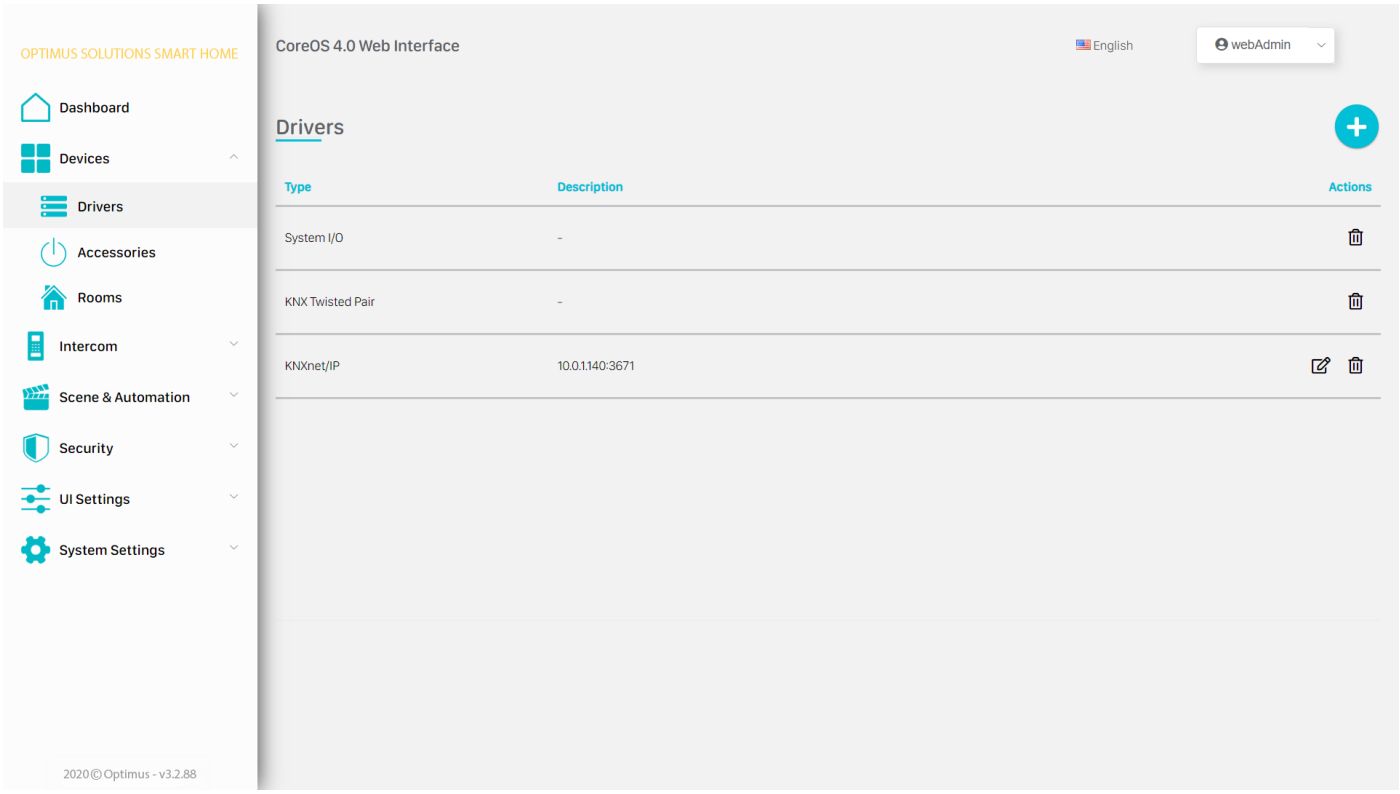
- KNX Twisted Pair
- KNXNet/IP
- System I/O
- Modbus
- Optimus Center (Z-Wave Gateway)
- Siemens Logo
- Optimus Panel
- CoolMaster Net

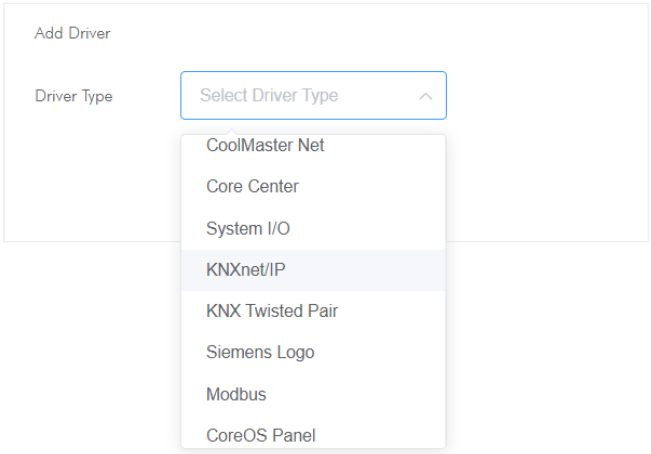
In order to add a new accessory to the Touch Panel, it is necessary to add the driver to which that accessory will be connected first.

4.2. ADDING NEW DRIVER

In this section, a new driver is added to Touch Panel. To do this:

- Go to Devices > Drivers
- Click + button
- Choose the driver that you want to add.
- Enter required information related to driver and click Add button.

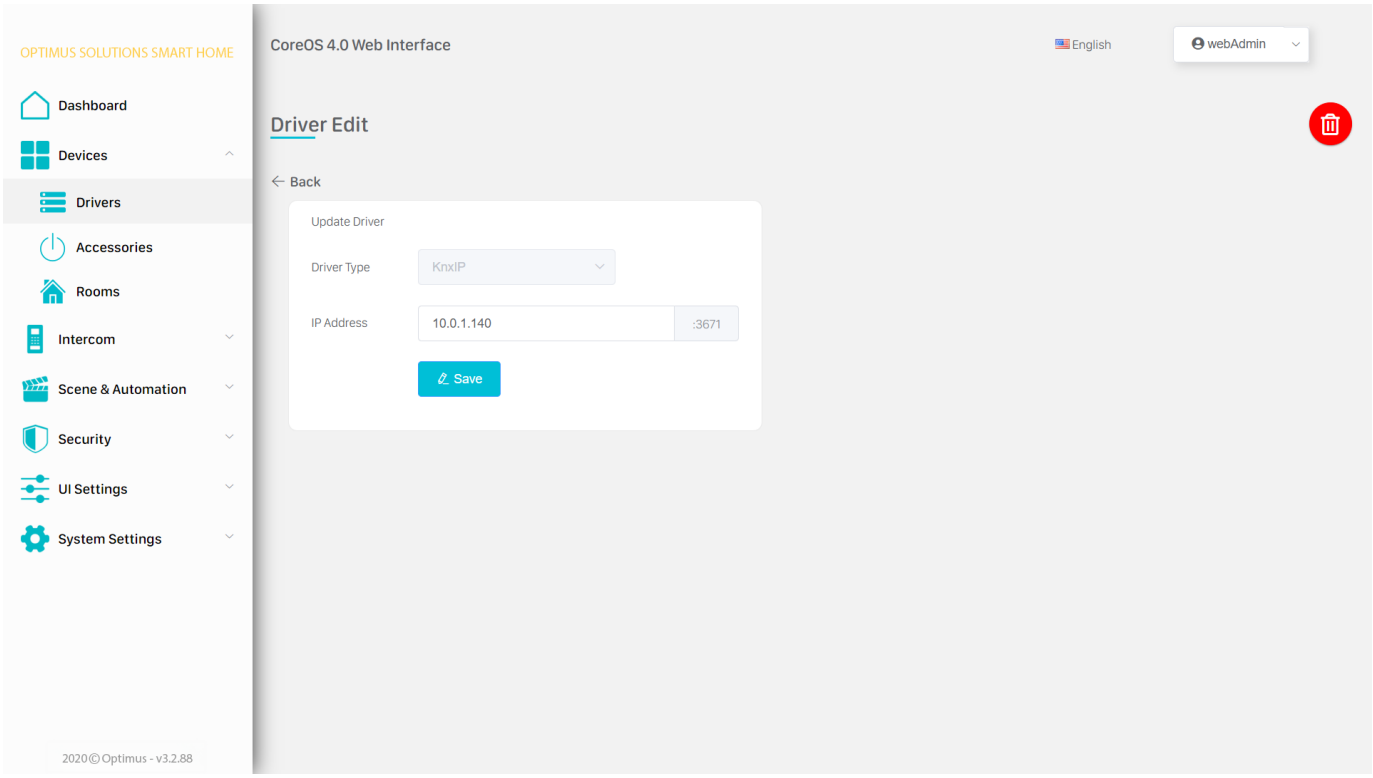




4.3. EDITING DRIVERS

You can edit previously added driver's information in this section. To do this:

- Go to Devices > Drivers
- Click button of the driver you want to edit.
- You can edit information about driver in page.



4.4. DELETING DRIVER

You can delete previously added driver in this section. To do this:

- Go to Devices > Drivers
- Click button of the driver you want to delete.
- Driver will be deleted after confirming delete process in the confirmation box.

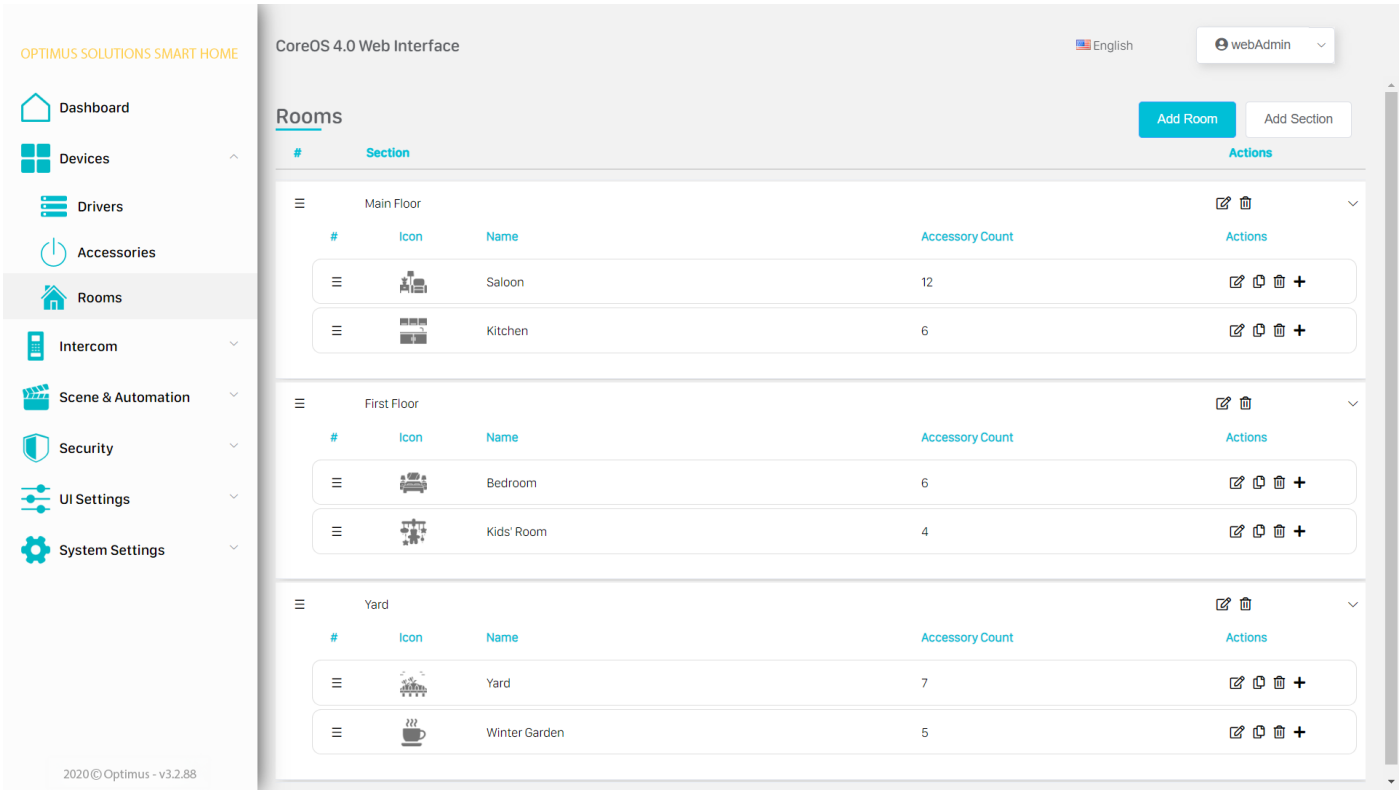
When a driver Is deleted, all accessories related to this driver will be deleted.

5. ROOMS & SECTIONS

5.1. INTRODUCTION

Rooms & Sections is where smart home accessories will be displayed in Touch Panel user interface. Creating room and section with names in accordance with the physical rooms in the building/house will be beneficial for the user experience. You can give names and also icons to rooms.

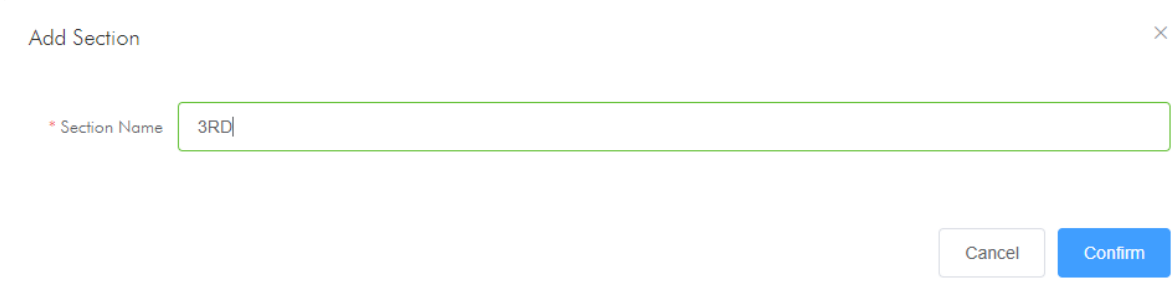
There is always a default room in Touch Panel for convenience in adding accessories, deleting rooms and so on. This room cannot be deleted, but its name and icon can be changed.



5.2. ADDING NEW SECTION

You can add sections belong to project and displayed in Touch Panel user interface. To do this:

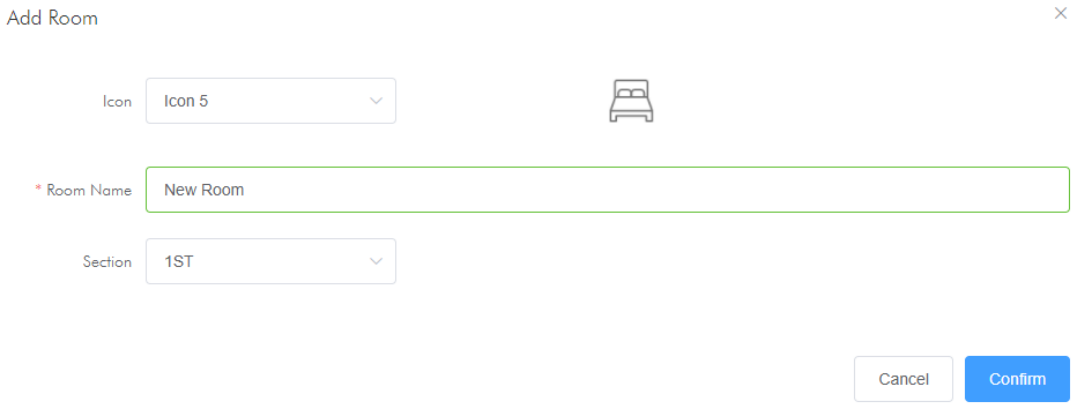
- Go to Devices > Rooms
- Click Add Section button.
- Enter the name of the section in the pop-up window.
- Click Confirm and Save changes.



5.3. ADDING NEW ROOM

You can add sections belong to project and displayed in Touch Panel user interface. To do this:

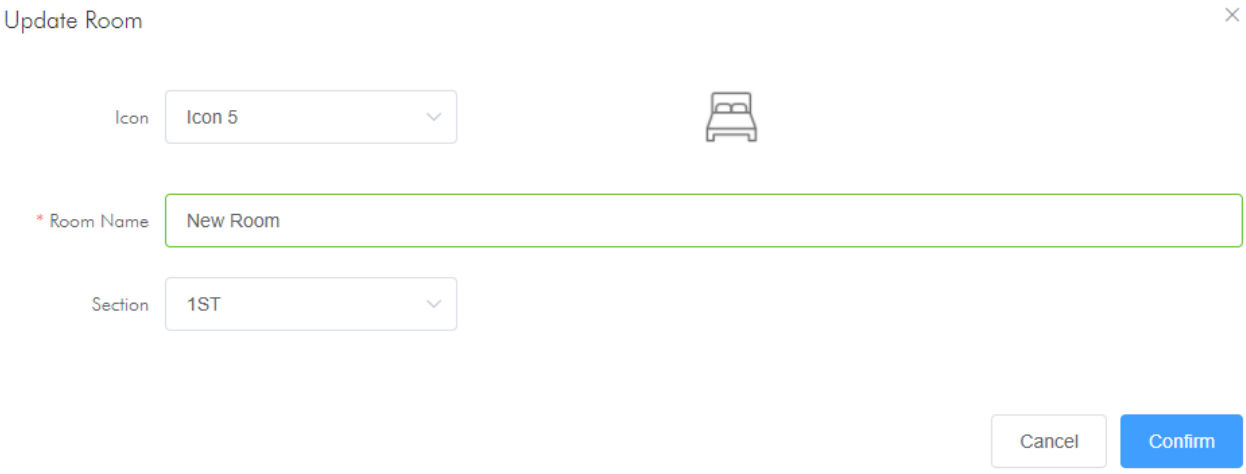
- Go to Devices > Rooms
- Click Add Room button.
- Enter the name, icon and section of the room in the pop-up window.
- Click Confirm and Save changes.



5.4. EDITING ROOMS

You can edit previously added room from Touch Panel user interface. To do this:

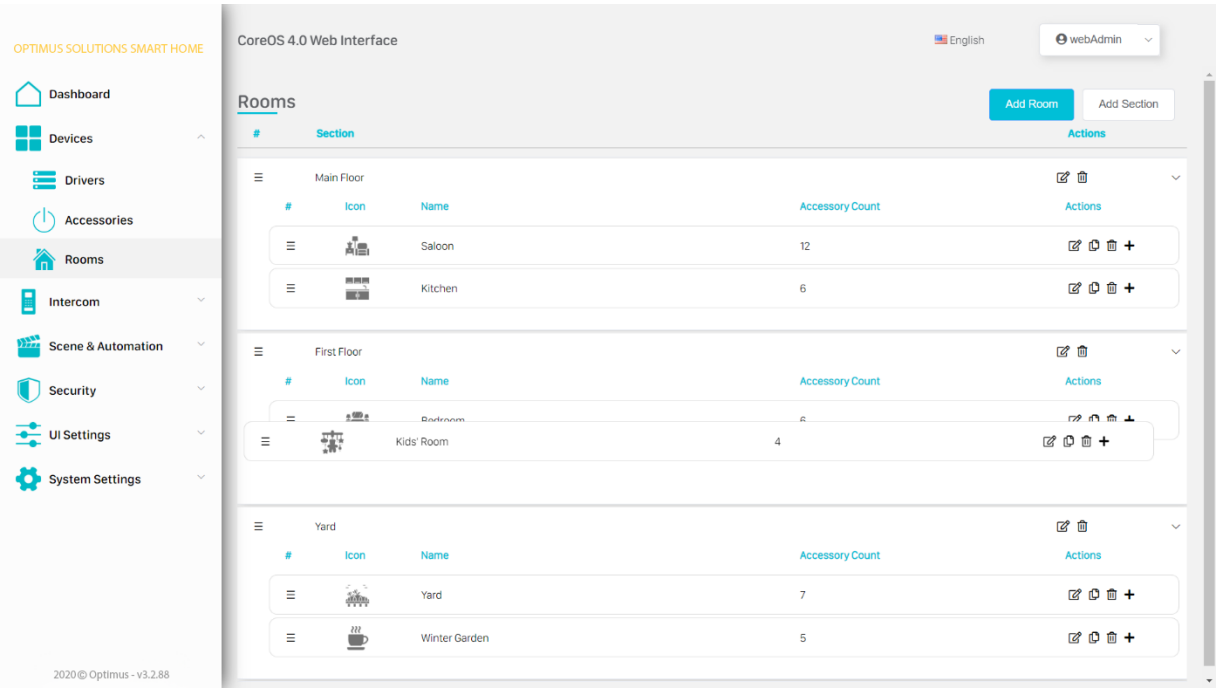
- Go to Devices > Rooms
- Click button of the room you want to edit.
- You can edit information about room in page.



5.5. ORGANIZING ORDER VIEW OF ROOMS

The rooms you have added are displayed in the rooms list on the Touch Panel user interface. You can change the view order of any room in this section. For this:

- Go to Devices > Rooms
- You can change order of a room by drag and drop of ☰ button placed in # column of the room.
- You will see confirmation notification after process is completed.



5.6. DELETING ROOMS

You can delete previously added room from Touch Panel user interface. To do this:

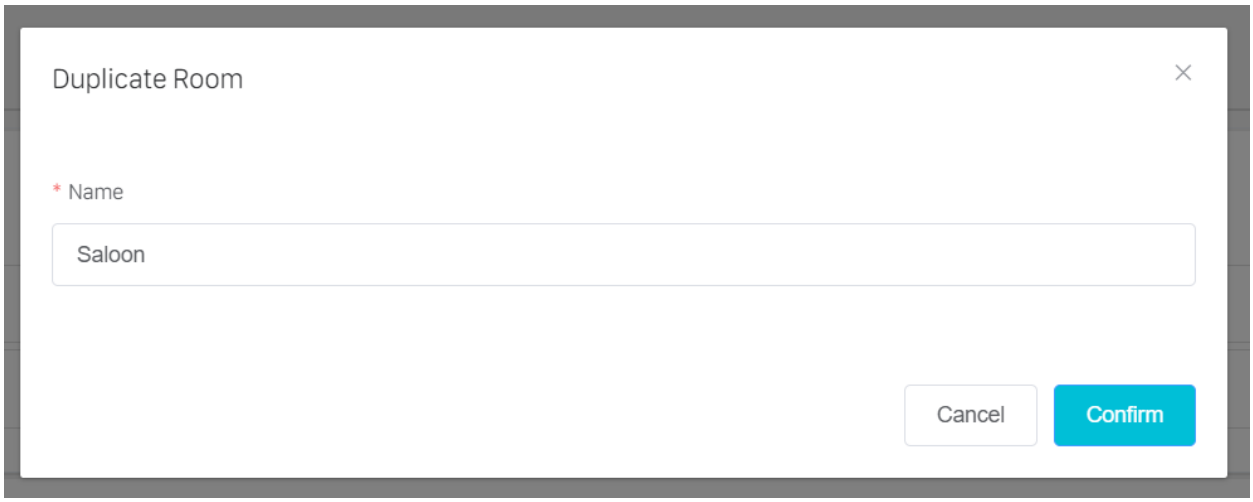
- Go to Devices > Rooms
- Click 🗑 button that of the room that you want to delete
- Click Confirm and Save changes.

When a room is deleted, the accessories related to this room are not deleted and transferred to default room so these can be reconfigured later.

5.7. COPY ROOMS

You can copy a room you have added before, along with the devices in it. To do this:

- Go to Devices > Rooms
- Click button of the room that you want to copy.
- New copied room is added to Touch Panel, after entering its name and confirming changes.



By copying a room with accessories added in it, you can copy all the accessories in it at once.

5.8. ADDING ACCESSORY IN ROOM SETTINGS

You can add an accessory to previously added room. To do this:

- Go to Devices > Rooms.
- Click button in the operations column of the room you want to add accessory to
- Here you will be redirected to Add New Accessory wizard. After entering necessary information, new accessory will be added to room.

Adding accessory from room, can be thought of as a shortcut to the Add New Accessory wizard.

6. ACCESSORIES

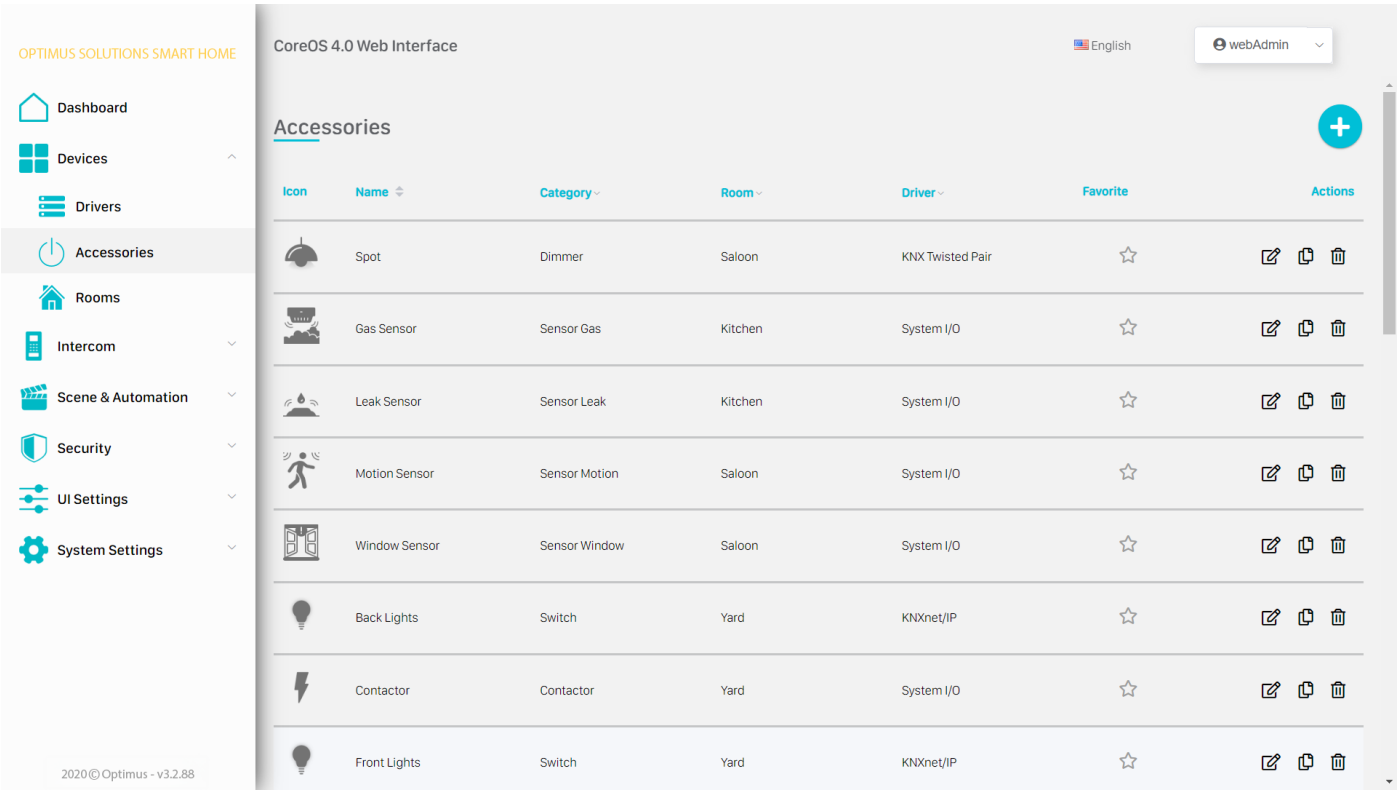
6.1 INTRODUCTION

In order to control devices connected to automation interfaces of Touch Panel, it must be added as an accessory in the Programming Interface. Edge Touch Panel allows to control many different types of accessories related to different automation interfaces simultaneously on a single platform. In this way, the user experiences smooth smart home control experience.

6.2. ADDING NEW ACCESSORY

You can add many different types of accessories for the control of smart devices on Touch Panel. To do this:

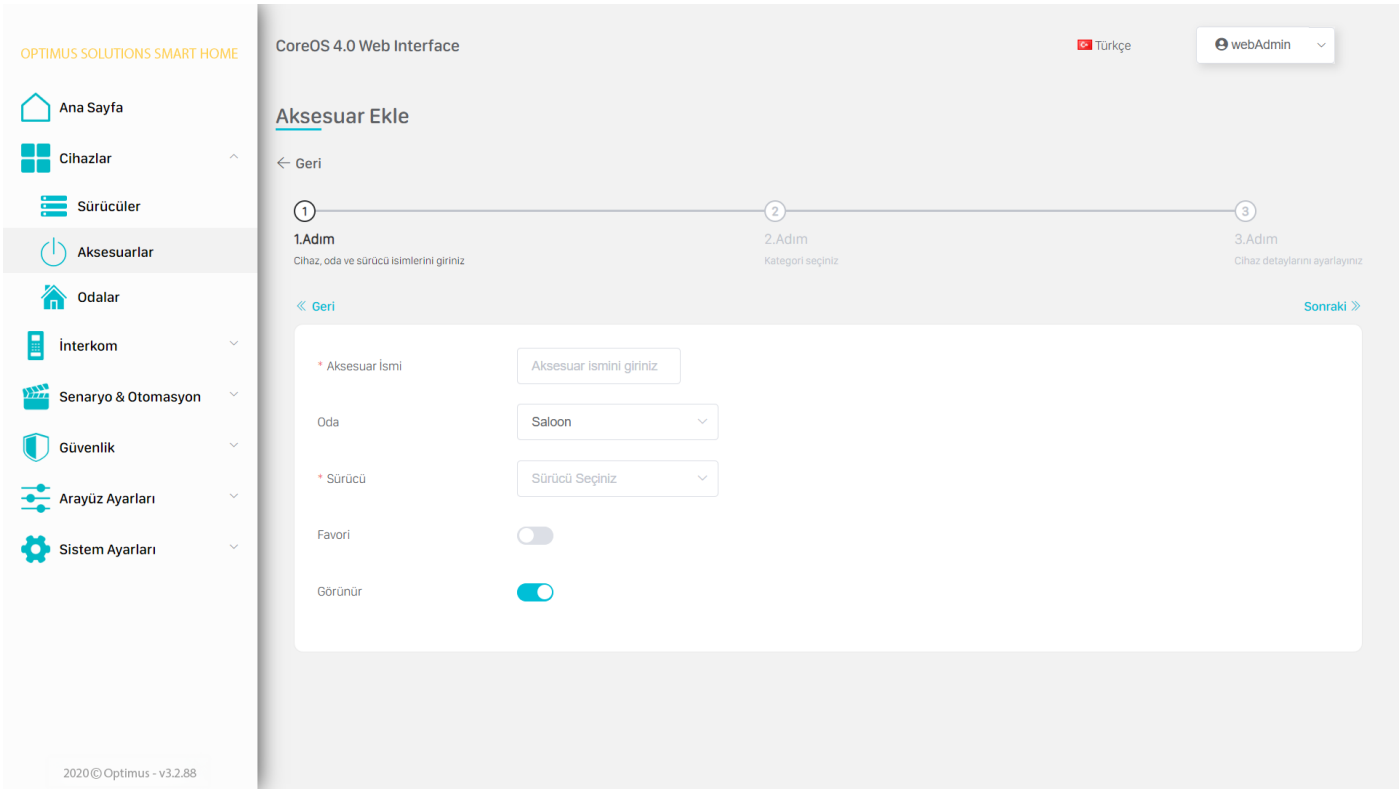
- Go to Devices > Accessories
- Click (+) button



- Add New Accessory wizard will appear. All accessories are easily added with information entered in this wizard in 3 steps.

The information to be entered varies according to the type of driver and accessory. Accessory based detailed information are explained in Supported Device Types section.

- In the first step, enter information such as the name of the accessory, room, the driver it is connected to, whether it is a favorite device and whether the device will appear in the user interface or not.

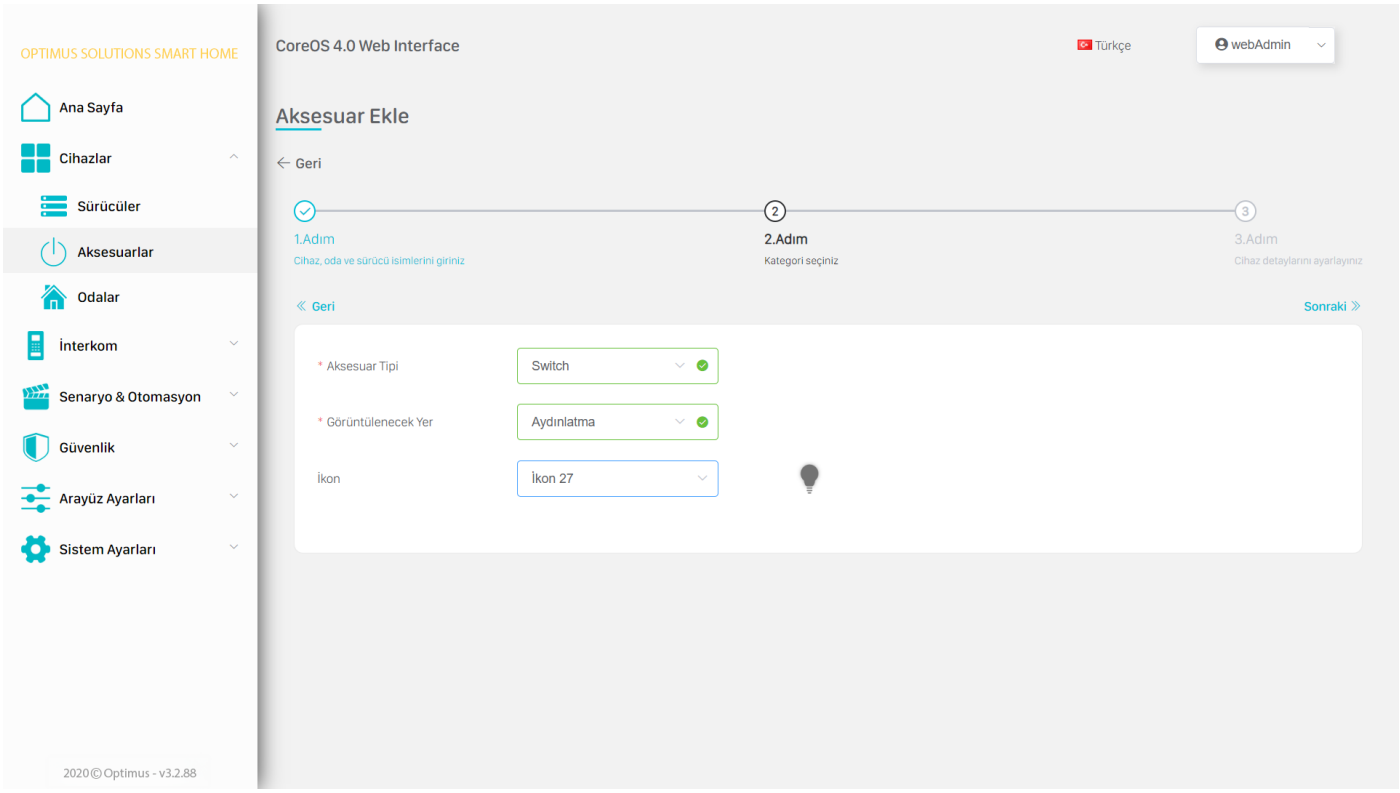


You can display the accessories that user will use frequently on the dashboard of Touch Panel user interface. For this, mark accessory as favorite. Then enable Favorite Devices Widget. This will allow you to display favorite accessory in the Favorite Devices Widget in the dashboard.

In some cases, you may want the accessory you added to be invisible in the user interface. In particular, you can mark as invisible the devices that you do not want the user's intervention to be controlled by scenes of automation triggers.

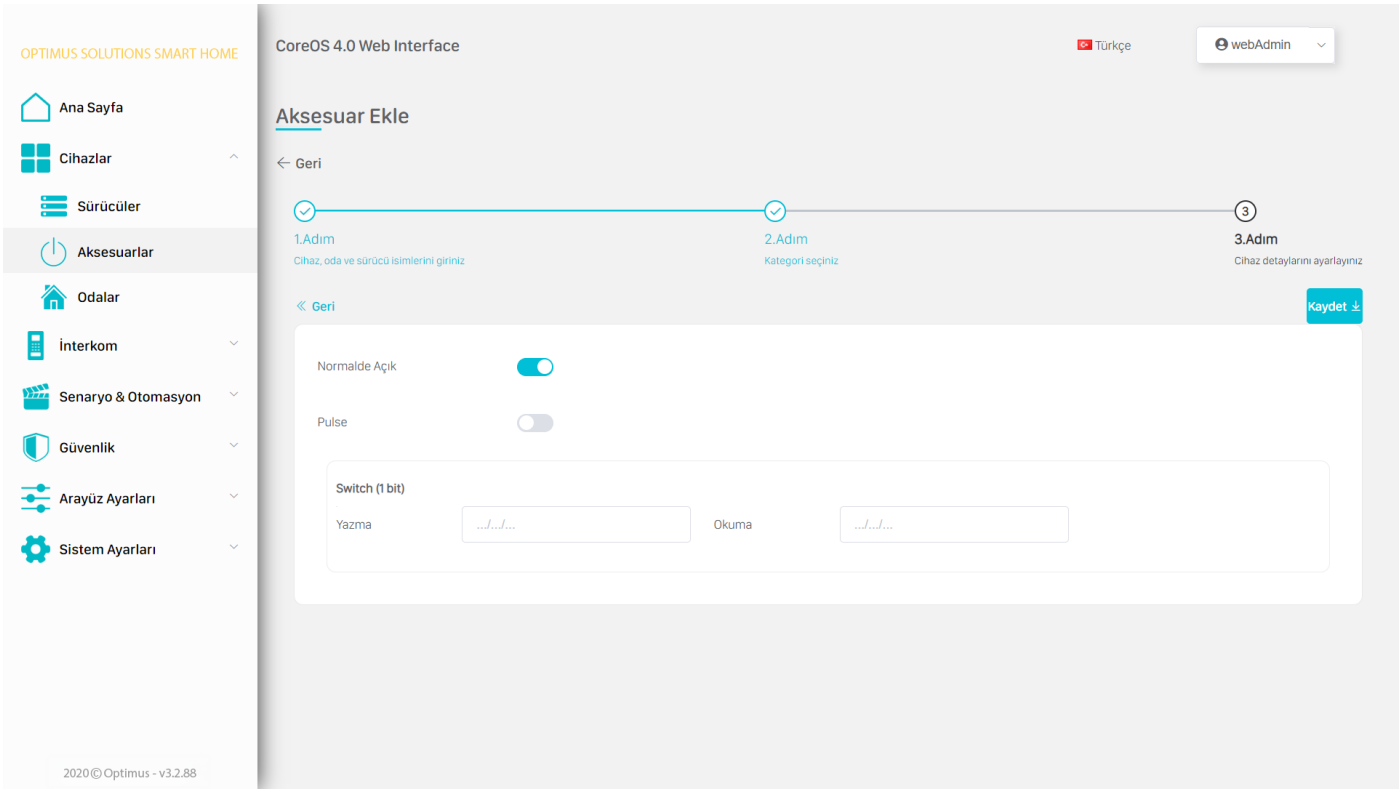
Before adding an accessory, it is necessary to add the driver and room it is connected to.

- In the second step, select the type of the accessory and its icon. For some accessory types, the category to be displayed in the user interface is also selected.



Accessory types vary by driver.

- In the third step, you need to enter the necessary variables of the accessory according to the selected driver and accessory type.



- After entering the variables, you will complete adding an accessory by clicking the save button.

6.3. EDITING ACCESSORIES

In this section, you can edit information of the accessory you previously added. To do this:

- Go to Devices > Accessories
- Click button of the accessory you want to edit in the operations column.
- You can edit information of accessory on the open page.

6.4. DELETING ACCESSORIES

You can delete an accessory you have added from the Programming Interface. To do this:

- Go to Devices > Accessories
- Click button of the accessory you want to delete in the operations column.
- Click Confirm and Save changes.

6.5. COPY ACCESSORIES

You can copy an accessory you have added before, along with the information in it. To do this:

- Go to Devices > Accessories
- Click button of the accessory that you want to copy.
- New copied accessory is added to Touch Panel, after entering its name and confirming changes.

Copy an accessory will help you quickly add accessories, especially on devices connected to KNX Systems.

In order to control another load with copied accessory, you need to update group address and other related information. To do this, update information of copied accessory by clicking edit button.

7. SUPPORTED ACCESSORY TYPES

7.1. SUPPORTED ACCESSORY TYPES WITH KNX DRIVERS

Edge Touch Panel provides new types of accessories to control and display many different types of data and devices in KNX Systems. Many functions available in different accessory types can be customized to support different Data Types (Data points) in KNX System. In this way, many products from different brands can be controlled and monitored by Optimus 4.0. Touch Panels.

Supported Accessory Types with KNX Drivers:

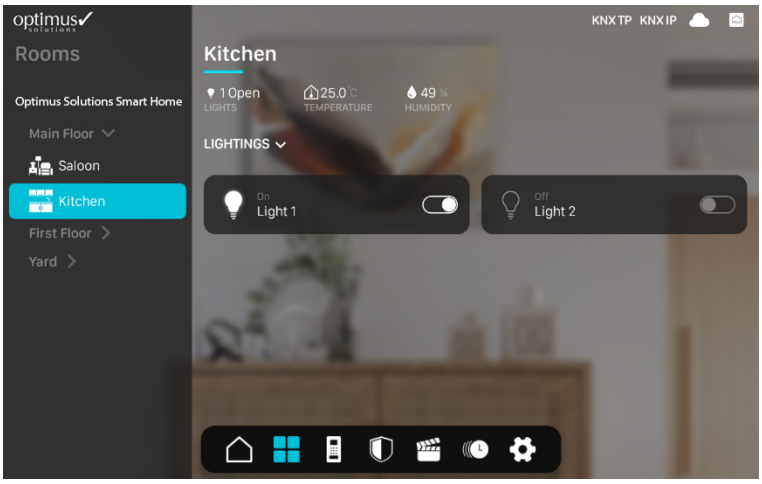
- Switch
- Dimmer
- RGBW Dimmer
- Shutter
- Advanced Thermostat (New Version)
- Thermostat/Air Conditioner (Old Version)
- Punch Button
- Binary Button
- Audio
- Motion Sensor
- Door Sensor
- Window Sensor
- Leak Sensor
- Gas Sensor
- Smoke Sensor
- Siren
- Status Display

KNX Twisted Pair and KNXNet IP drivers support same accessory types.

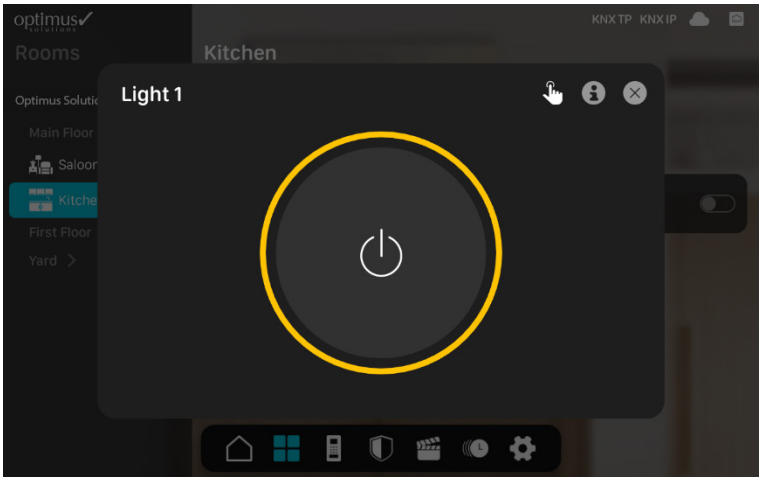
7.1.1. SWITCH

Switch Accessory Type allows to control and monitor On/Off Loads in KNX Systems.

OPTIMUS TOUCH PANEL UI VIEW



In the summary view of Switch, the status of the device is displayed. You can change status by tapping control button. In order to view detailed information tap the accessory.



You can find detailed view of Switch Accessory in the left hand side.

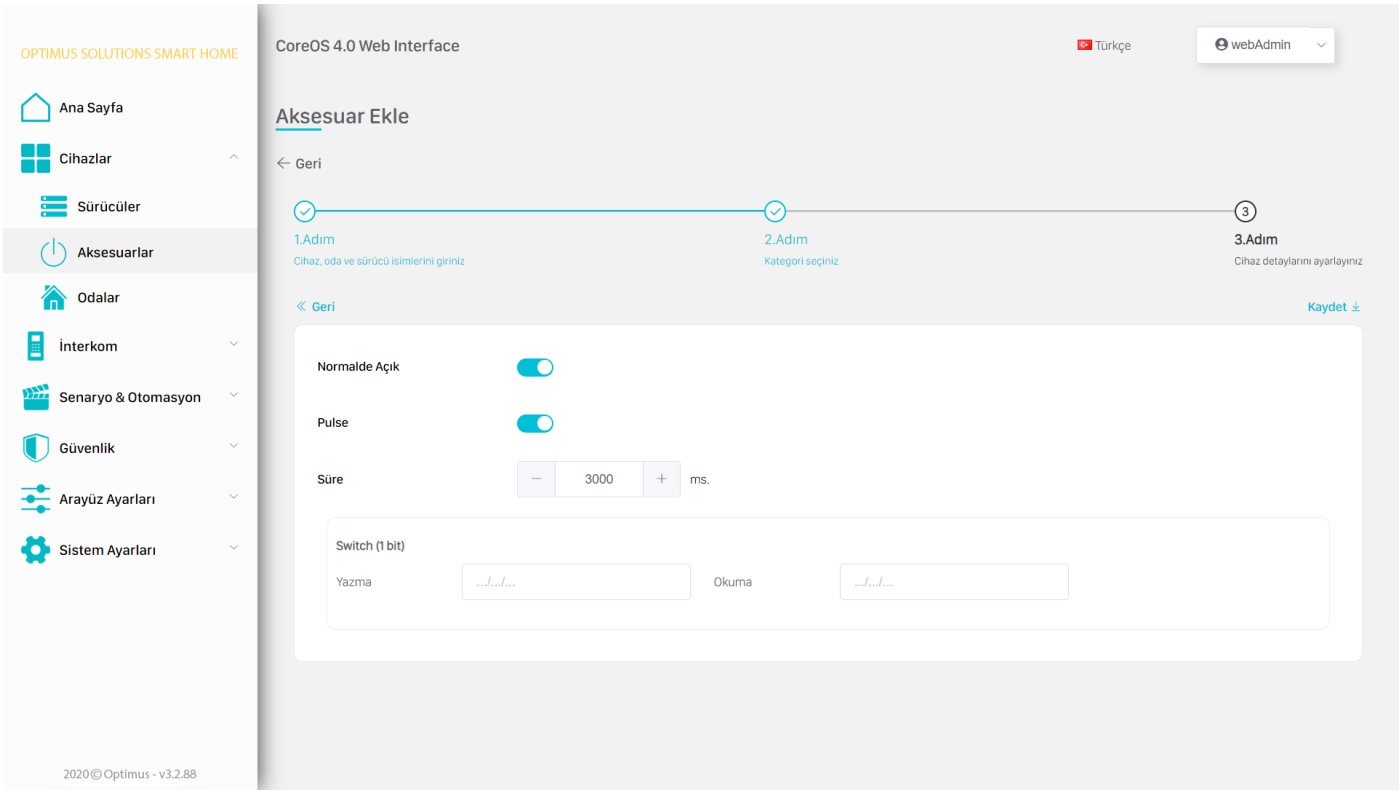
AVAILABLE FUNSTONS

Function Name	KNX Data Point	KNX Group Address
Switch	1.001 (1 Bit)	Read, Write

ADDING A NEW SWTICH ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Switch Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Switch.
- Choose in which category you want the accessory to be displayed in user interface. (Lights, Shutters, Climate, Generic)
- In third step, enter required information related to Switch accessory.
- Click save to apply changes.



PARAMETERS

Normally Open: Type of relay to which the controlled load is connected
Pulse: The duration that the controlled load stays open and then closes

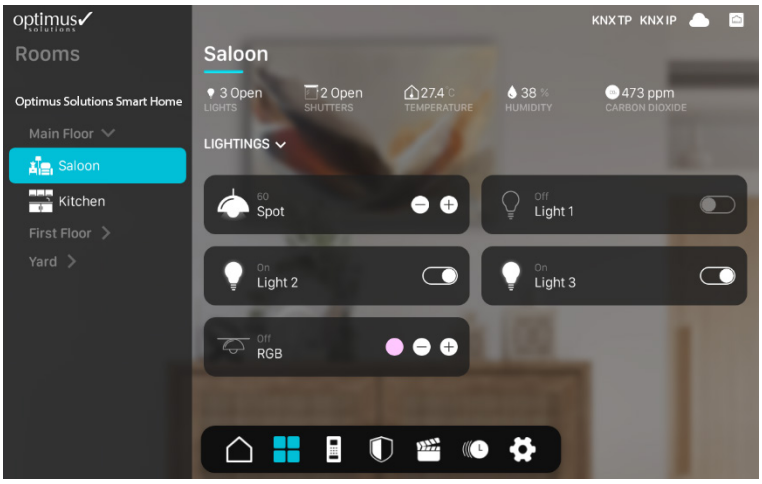
FUNCTIONS

Switch:
It is the function that enables the connected load to be switched on or off. When reading and writing data, it uses the 1-Bit 1.001 data type.
Related Group Addresses:
Switch (1-Bit) Write: Data write group address to which On/Off command is sent
Switch (1-Bit) Read: Data read group address where On/Off status is monitored

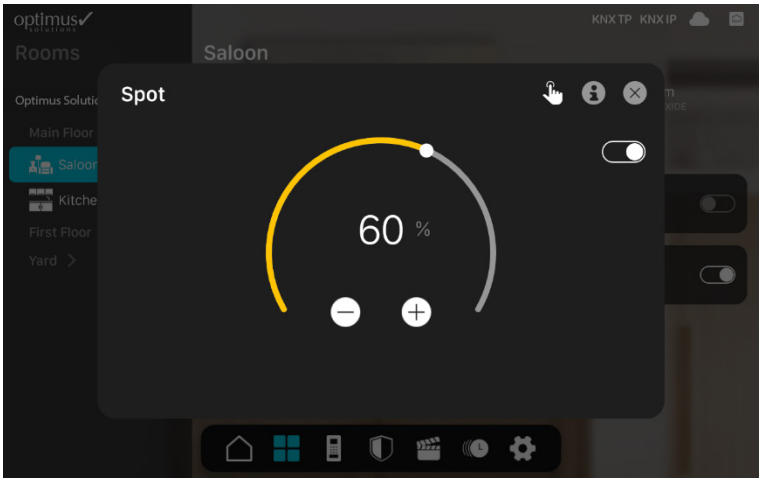
7.1.2. DIMMER

Dimmer Accessory allows to control and monitor dimmable devices in KNX Systems by Optimus Touch Panels. On/Off Control and status, brightness control and status information are controlled and monitored by this accessory type.

OPTIMUS TOUCH PANEL UI VIEW



In the summary view of Dimmer, the status of the device is displayed. You can change brightness level via control buttons. In order to view detailed information tap the accessory.



You can find detailed view of Dimmer Accessory in the left hand side.

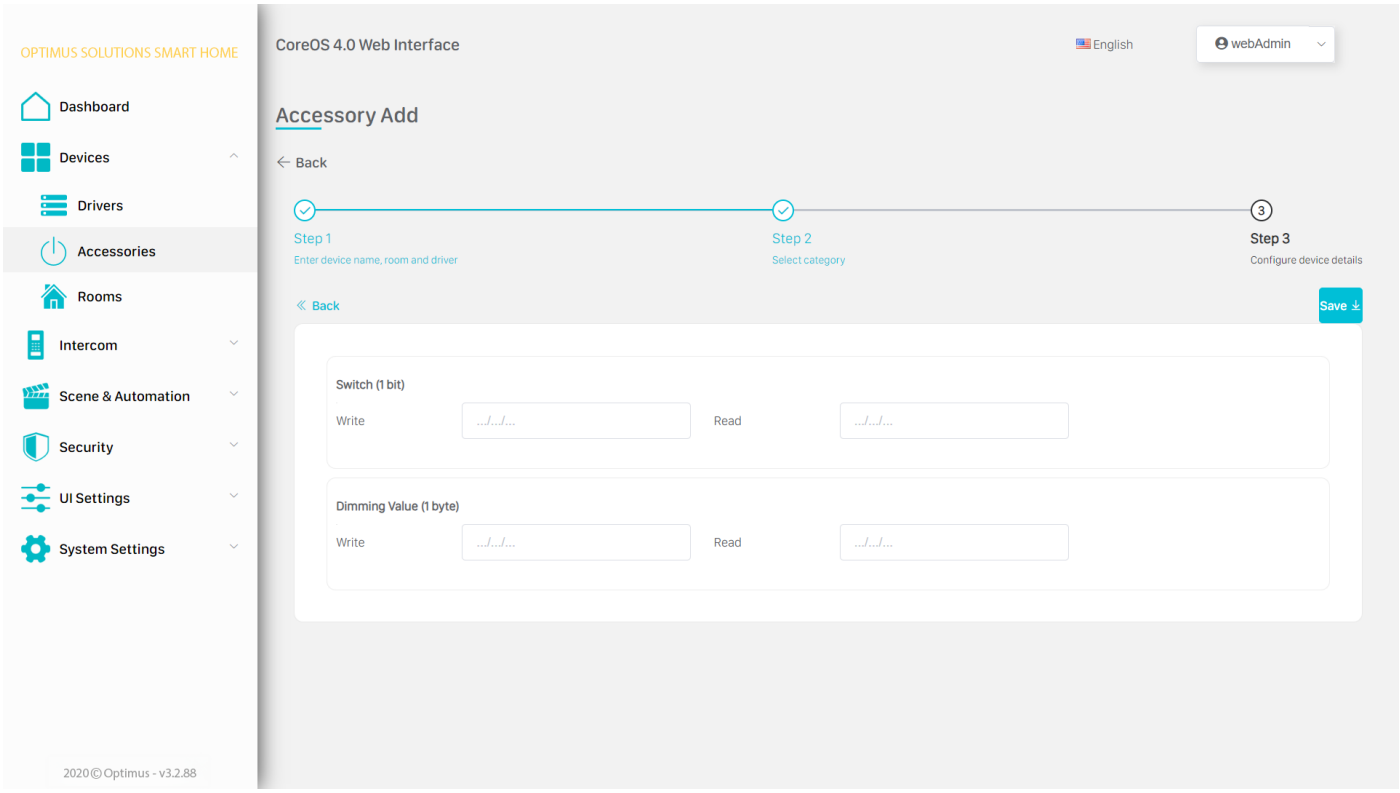
AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Switch	1.001 (1 Bit)	Write, Read
Dimming Value	5.001(1Byte)	Write, Read

ADDING A NEW DIMMER ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Dimmer Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Dimmer.
- In third step, enter required information and configure functions related to dimmer accessory.
- Click save to apply changes.



FUNCTIONS

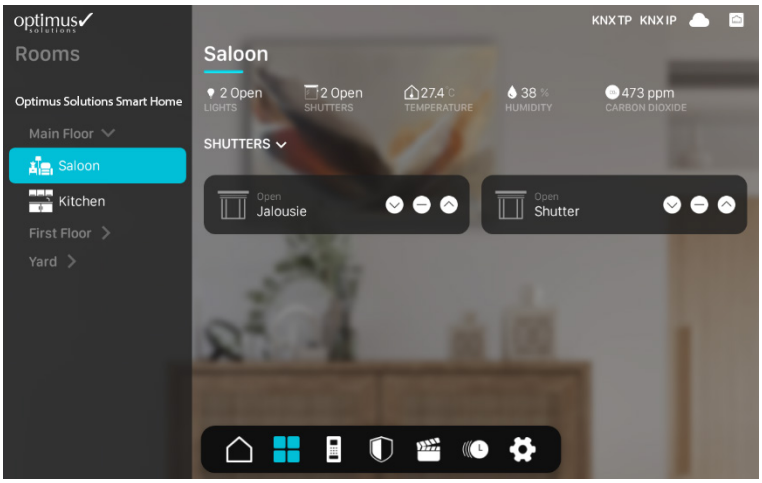
Switch:
It is the function that enables the connected load to be switched on or off. When reading and writing data, it uses the 1-Bit 1.001 data point.
Related Group Addresses:
Switch (1-Bit) Write: Data write group address to which On/Off command is sent
Switch (1-Bit) Read: Data read group address where On/Off status is monitored

Dimming Value:
It is the function that allows controlling and monitoring brightness value of the connected device. It uses 5.001 1 Byte Data Type when reading and writing data.
Related Group Addresses:
Dimming Value (1-Byte) Write: Data write group address to which brightness value of load is sent
Dimming Value (1-Byte) Read: Data read group address where brightness value of load is monitored

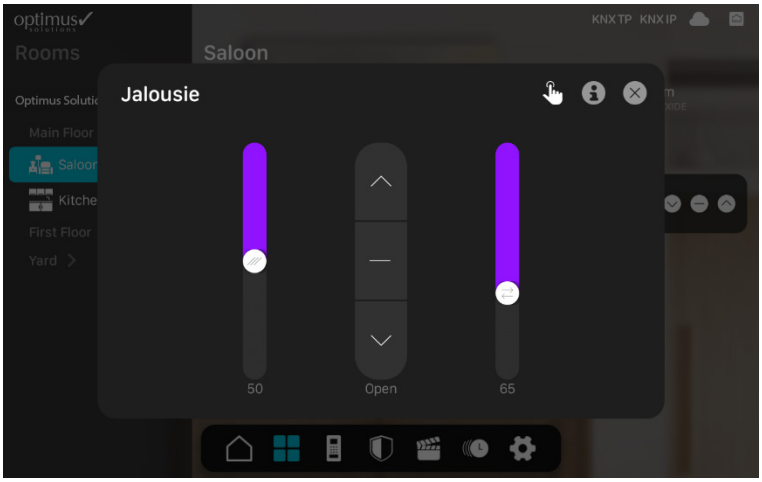
7.1.3. SHUTTER

Shutter Accessory allows to control and monitor roller shutters and blinds in KNX Systems by Optimus Touch Panels. Open/Close control and status, Position control and status and also slat control and status information are controlled and monitored by this device type.

OPTIMUS TOUCH PANEL UI VIEW



In summary view, Open/Close status of shutter is monitored. You can control up,down and stop functions via shortcut control buttons. Just tap device to reach detailed view.



You can find detailed view of Shutter Accessory in the left hand side.

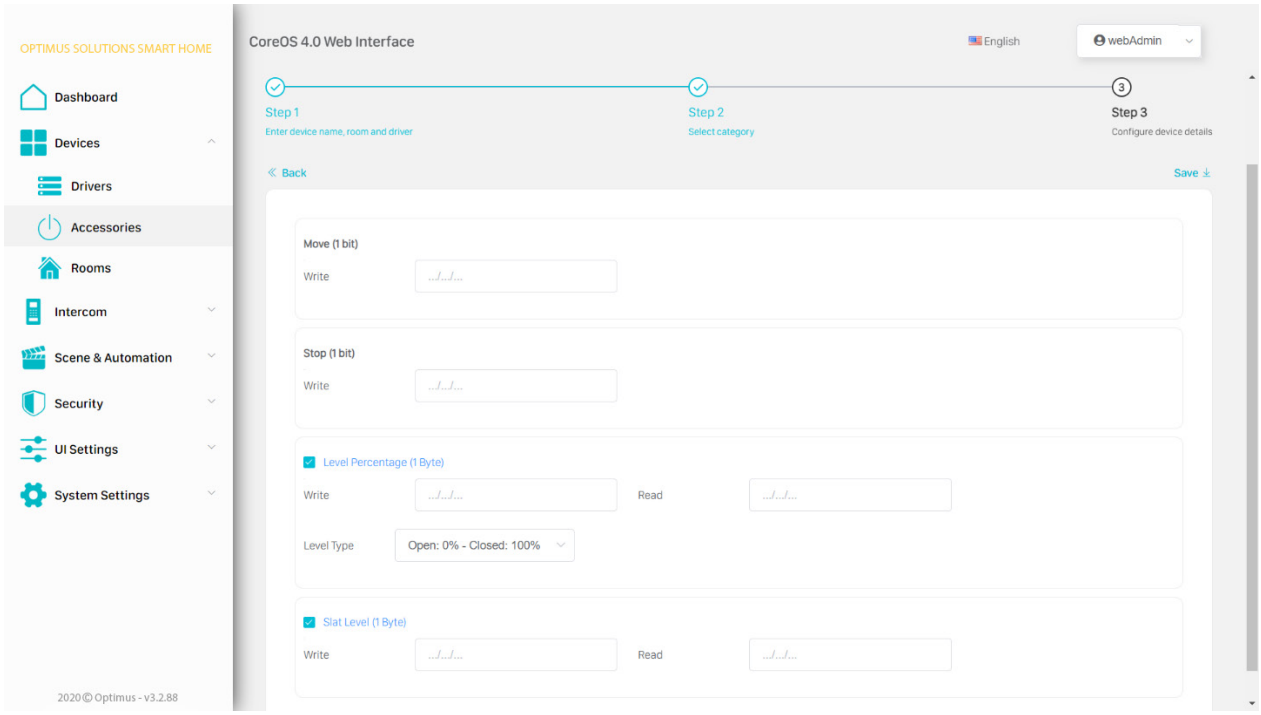
AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Move	1.008 (1 Bit)	Write
Stop	1.007 (1 Bit)	Write
Level Percentage	5.001 (1 Byte)	Write, Read
Slat Level	5.001 (1Byte)	Write, Read

ADDING A NEW SHUTTER ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Shutter Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Shutter.
- In third step, enter required information and configure functions related to shutter accessory.
- Click save to apply changes.



FUNCTIONS

Move:
It is the function that enables the connected shutter to open or close. It uses 1.008 1-Bit Data Type when writing data.
Related Group Addresses:
Move (1-Bit) Write: Data write group address to which Open/Close command is sent.

Stop:
It is the function that enables the connected shutter to stop. It uses 1.007 1-Bit Data Type when writing data.
Related Group Addresses:
Stop (1-Bit) Write: Data write group address to which Stop command is sent.

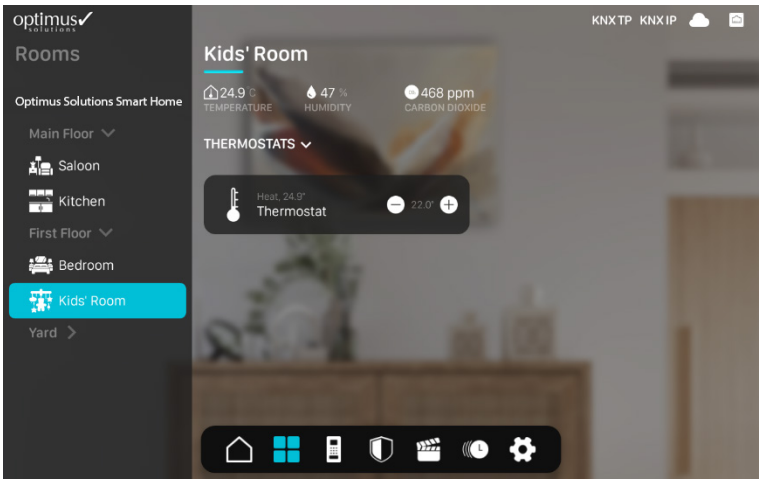
Level Percentage:
It is the function that allows shutter to be opened in a certain position. When reading and writing data, it uses 5.001 1-Byte Data Type.
Related Group Addresses:
Percentage Value (1-Byte) Write: Data write group address to which the command to open the shutter at a certain position is sent
Percentage Value (1-Byte) Read: Data read group address where the current position of shutter is monitored

Slat Level :
It is the function that the slat position adjustments of the blinds are made. When reading and writing data, it uses 5.001 1-Byte Data Type.
Related Group Addresses:
Percentage Value (1-Byte) Write: Data write group address to which the command to open slat is sent
Percentage Value (1-Byte) Read: Data read group address where the current position of slat is monitored

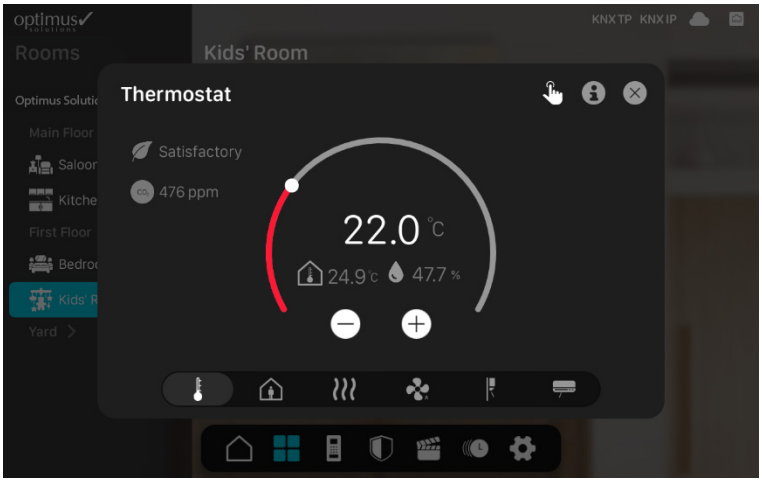
7.1.4. ADVANCED THERMOSTAT

Advanced thermostat accessory type allows to control and monitor thermostats in KNX System by Optimus Touch Panels. Temperature, fan speed, operation mode and control mode information are controlled and monitored by this device type.

OPTIMUS TOUCH PANEL UI



In summary view, operation mode, room temperature and setpoint of thermostat is monitored. You can change setpoint via shortcut control buttons. Just tap device to reach detailed view.



You can find detailed view of Thermostat Accessory in the left hand side.

AVAILABLE FUNCTION GROUPS

Since many functions are supported in the advanced thermostat accessory, these functions are grouped in the Touch Panel user interface. The names of the group can be changed and unused groups can be removed from the interface.

- Temperature function group
- Operation Mode function group
- Control Mode function group
- Fan Mode function group
- U-D Vane Function group
- L-R Vane function group

Temperature function group is non-removable function group in Advanced Thermostat Device Type.

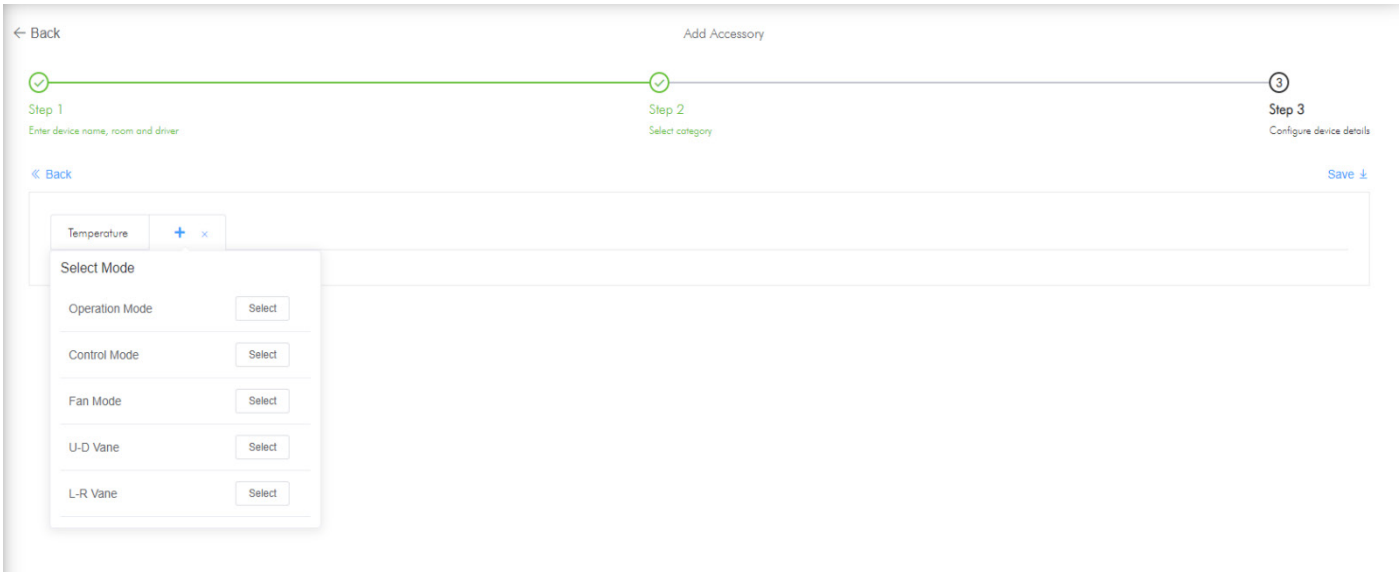
AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
On State	Multiple choice	Write, Read
Off State	Multiple choice	Write, Read
Room Temperature	Multiple choice	Read
Target Setpoint – Direct	Multiple choice	Write, Read
Target Setpoint – Shift 1 Byte	Multiple choice	Shift Write, Shift Read
Target Setpoint – Shift 2 Byte	Multiple choice	Shift Write, shift Read
CO2	DPT 9 (2 Byte Float)	Read
Humidity	DPT 9 (2 Byte Float)	Read
Air Quality	DPT 5 (8 Bit Unsigned 5.010)	Read
Operation mode - Auto	Multiple choice	Write, Read
Operation mode - Heat	Multiple choice	Write, Read
Operation mode - Cool	Multiple choice	Write, Read
Operation mode - Fan	Multiple choice	Write, Read
Operation mode - Dry	Multiple choice	Write, Read
Control mode - Auto	Multiple choice	Write, Read
Control mode - Comfort	Multiple choice	Write, Read
Control mode - Standby	Multiple choice	Write, Read
Control mode - Night	Multiple choice	Write, Read
Control mode - Protection	Multiple choice	Write, Read
Fan mode – Auto	Multiple choice	Write, Read
Fan mode – Lowest	Multiple choice	Write, Read
Fan mode – Lower	Multiple choice	Write, Read
Fan mode – Middle	Multiple choice	Write, Read
Fan mode – Higher	Multiple choice	Write, Read
Fan mode – Highest	Multiple choice	Write, Read
U-D Vane - Auto	Multiple choice	Write, Read
U-D Vane – Position 1	Multiple choice	Write, Read
U-D Vane – Position 2	Multiple choice	Write, Read
U-D Vane – Position 3	Multiple choice	Write, Read
U-D Vane – Position 4	Multiple choice	Write, Read
U-D Vane – Position 5	Multiple choice	Write, Read
U-D Vane – Swing	Multiple choice	Write, Read
L-R Vane - Auto	Multiple choice	Write, Read
L-R Vane – Position 1	Multiple choice	Write, Read
L-R Vane – Position 2	Multiple choice	Write, Read
L-R Vane – Position 3	Multiple choice	Write, Read
L-R Vane – Position 4	Multiple choice	Write, Read
L-R Vane – Position 5	Multiple choice	Write, Read
L-R Vane – Swing	Multiple choice	Write, Read

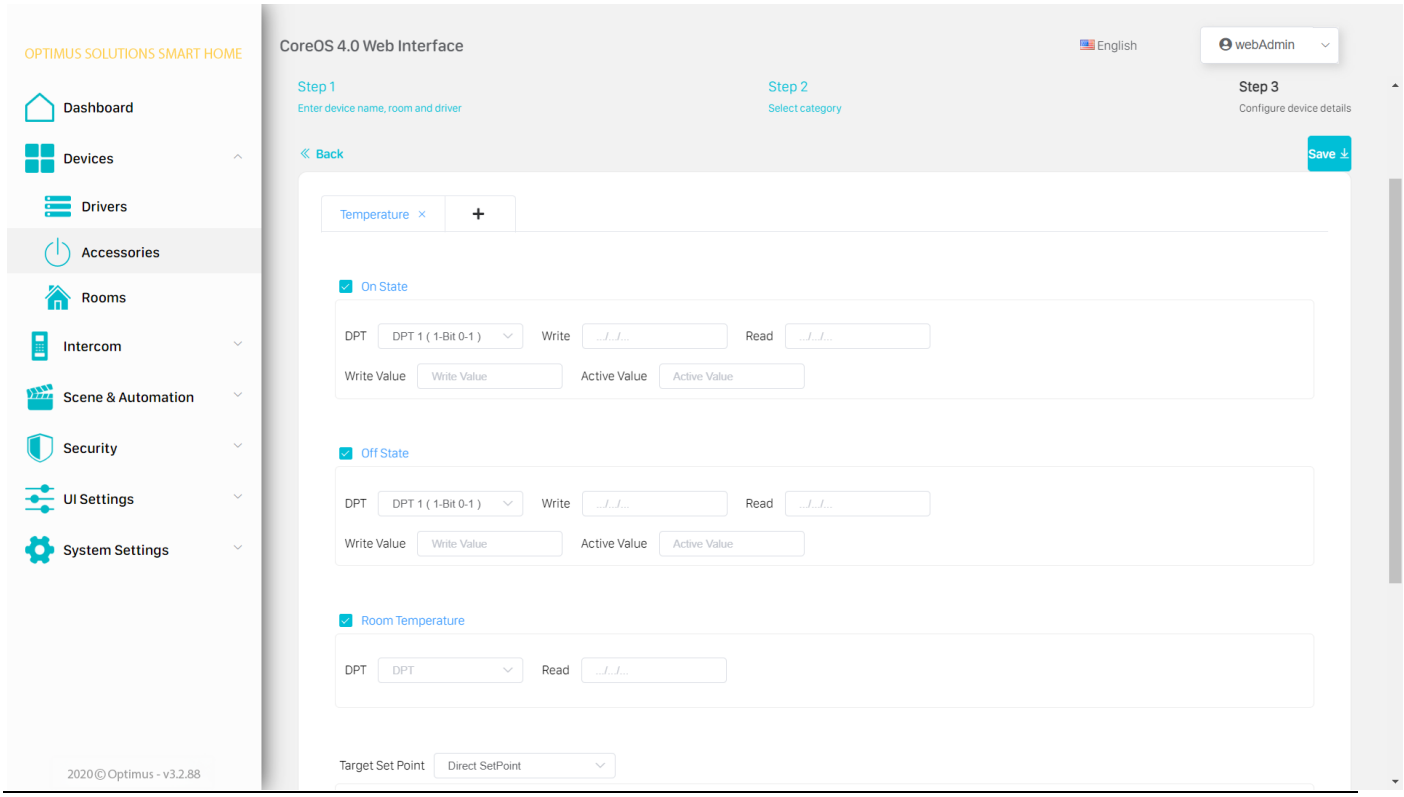
ADDING A NEW ADVANCED THERMOSTAT

Follow the steps in Adding New Accessory section, to add new KNX – Advanced Thermostat Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Advanced Thermostat.
- In third step, add function groups and configure. To do this, click + button in function group bar and add requested groups. Then you can change their names to be displayed in Touch Panel user interface.



- Then enter requested information for functions and parameters.
- Click save to apply changes.

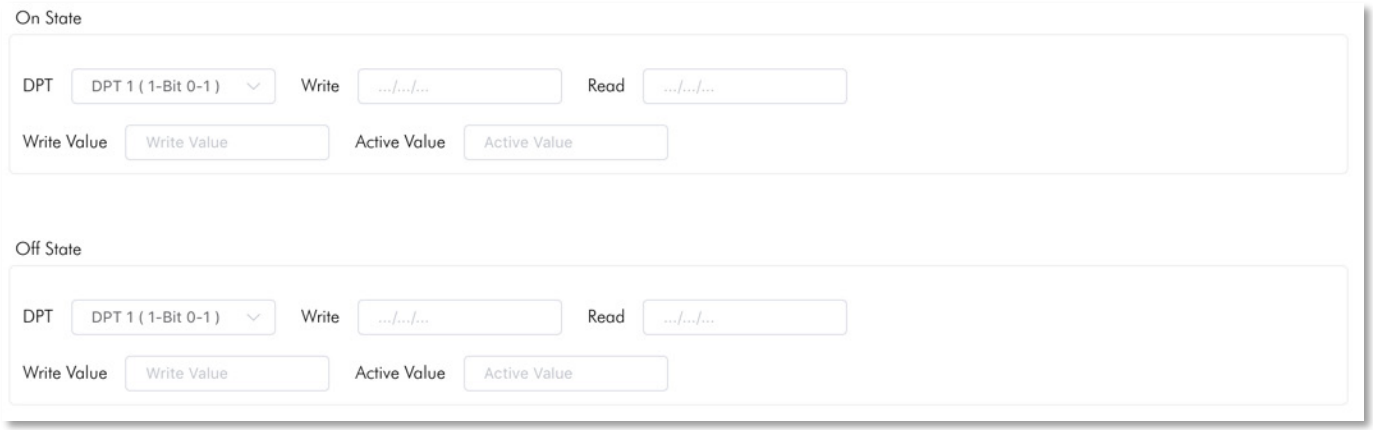


TEMPERATURE GROUP FUNCTIONS

ON State / OFF State Functions:
It is the function that enables thermostat to be On/Off.

On and Off state can be programmed separately, taking into account the situation that need to send different data types to On and Off State.

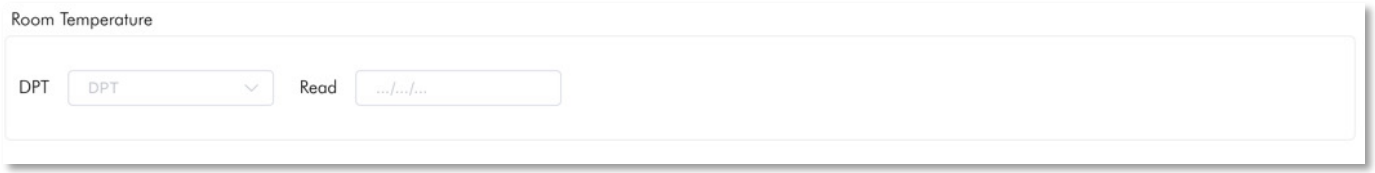
The On/Off function can be removed from thermostat accessory by deselecting function.



Related Group Address and Parameters:
DPT: Type of data to be sent or received to group address
Write: Data write group address where On or Off command is sent
Read: Data read group address where On or Off command is monitored
Write Value: Value to be sent to data write group address
Active Value: Expected value in data read group address

Room Temperature Function:
It is a function that displays the instantaneous temperature value measured by thermostat.

Considering the situations that need to monitor different data types, Room Temperature function can be programmed by reading information from different data types.



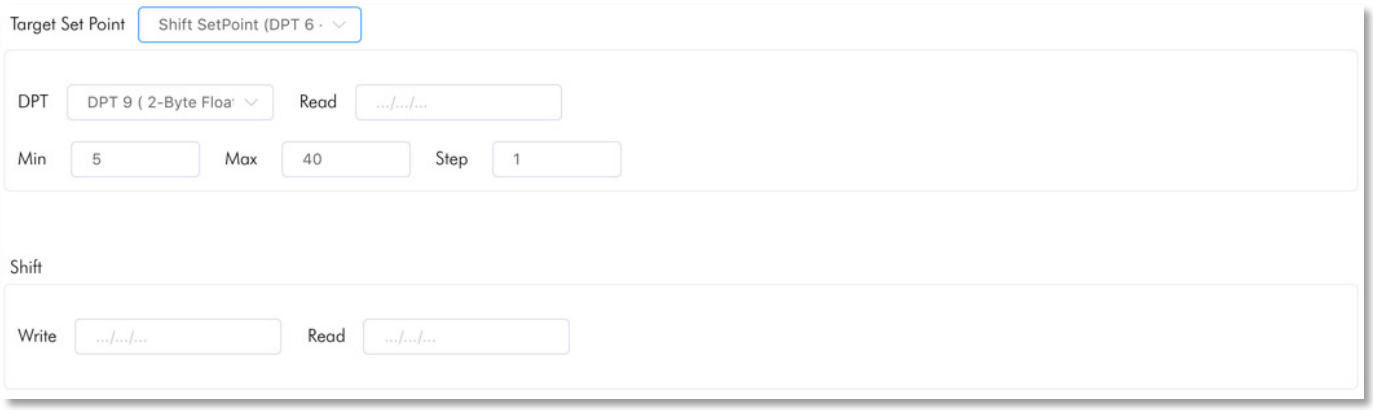
Related Group Address and Parameters:
DPT: Type of data to be sent or received to group address
Read: Data read group address where temperature measured by thermostat is monitored

Target Setpoint Direct Function:
It is the function used to control and monitor target room temperature of the thermostat that calculate target temperature as an absolute numerical value.

Target setpoint function can be programmed by writing and reading value with different data types, considering the situations that need to send or receive different data types.

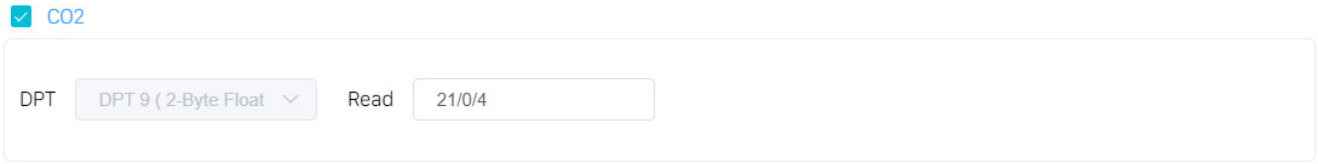
Related Group Address and Parameters:
Target Set Point (Direct): It is the control method used for thermostats that calculate target temperature as an absolute numerical value
DPT: Type of data to be sent or received to group address
Write: Data write group address where target temperature of thermostat is sent
Read: Data read group address where target temperature of thermostat is monitored
Min: Minimum temperature that can be set
Max: Maximum temperature that can be set
Step: Step value of increasing or decreasing target temperature

Target Setpoint Shift Function :
It is the function used to control and monitor target temperature of thermostats that calculate target temperature according to a variable shift value



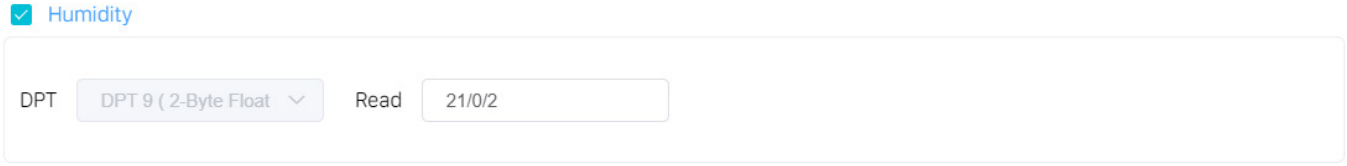
Related Group Address and Parameters:
Target Set Point (Shift): It is the control method used for thermostats that calculate the target temperature according to a variable shift value.
DPT: Type of data to be sent or received to group address
Read: Data read group address where target temperature of thermostat is monitored
Min: Minimum temperature that can be set
Max: Maximum temperature that can be set
Step: Step value of increasing or decreasing target temperature
Shift Write: Data write group address where shift value to change target temperature is sent
Shift Read: Data read group address where shift value to change target temperature is read

CO2 Display Function:
It is the function used to monitor CO2 level.



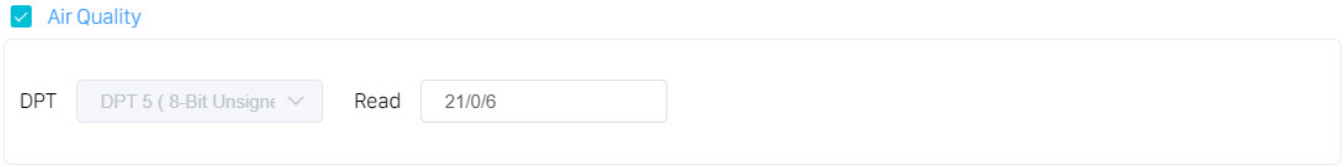
Related Group Address and Parameters:
DPT: It cannot be changed. DPT 9 2 byte float by default
Read: Data read group address where CO2 measured by related device is monitored

Humidity Display Function:
It is the function used to monitor Humidity level.



Related Group Address and Parameters:
DPT: It cannot be changed. DPT 9 2 byte float by default
Read: Data read group address where Humidity measured by related device is monitored

Air Quality Display Function:
It is the function used to monitor Air Quality level.



Related Group Address and Parameters:
DPT: It cannot be changed. DPT 5 8 bit unsigned 5.010 by default
Read: Data read group address where Air Quality level measured by related device is monitored

There are 3 levels shown on detailed view of advanced thermostat accessory.

- Poor (when telegram "1" received)
- Satisfactory (when telegram "2" received)
- Good (when telegram "3" received)

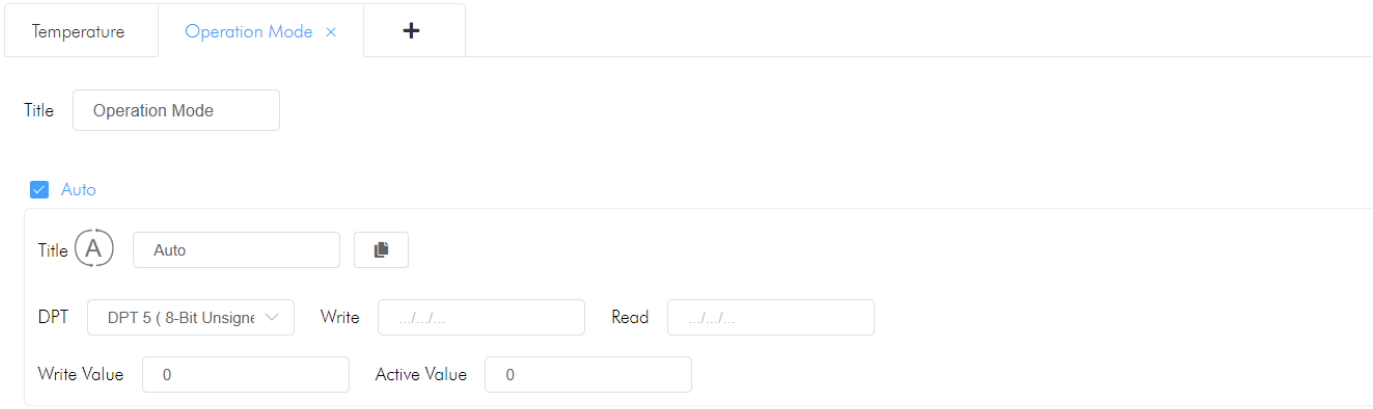
OPERATION MODE GROUP FUNCTIONS

It is the group that contains the functions that control the operation modes of thermostat. Includes Auto, Heat, Cool, Fan and Dry functions.

You can remove functions that thermostat does not support by deselecting function.

The name and icons of the functions displayed in user interface can be edited by integrator.

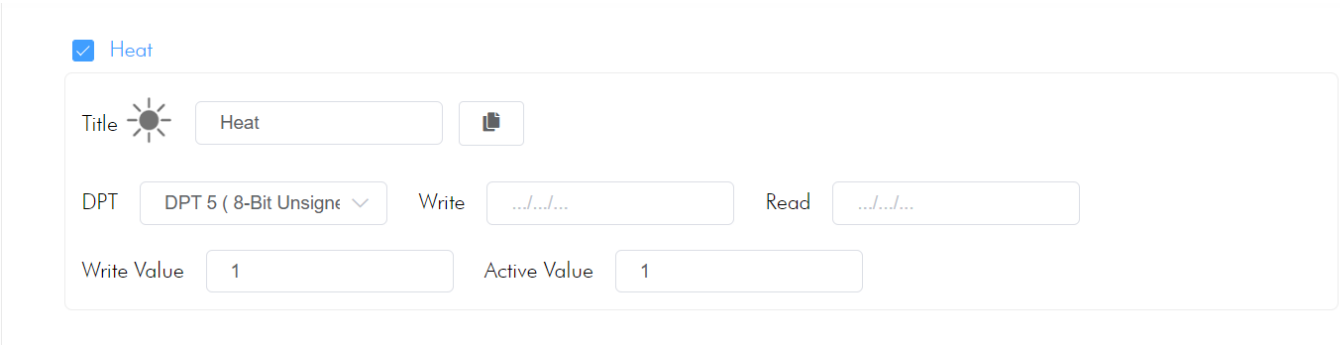
Auto Function:
It is the function that allows the thermostat to switch to auto mode.



Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the auto command is sent
Read:	Data read group address where the auto command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

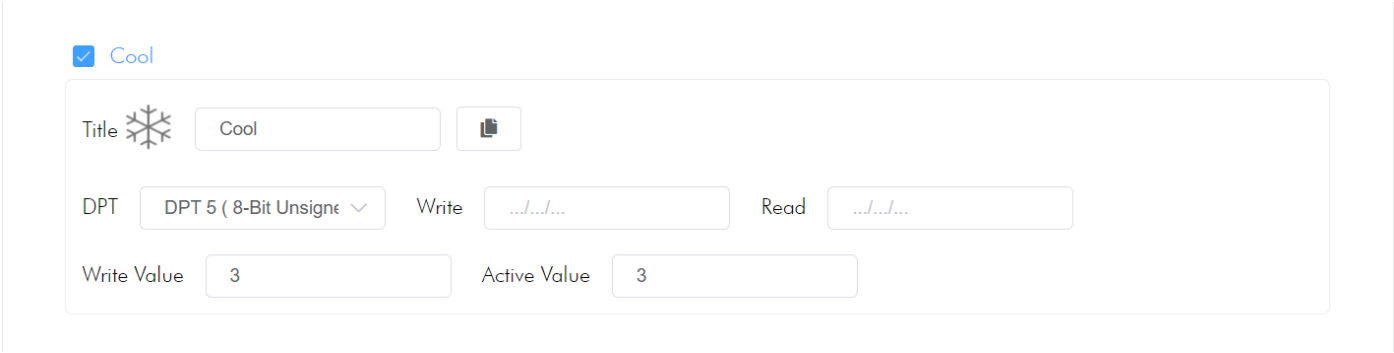
Heat Function:
It is the function that allows thermostat to switch to heat mode.



Related Group Address and Parameters:

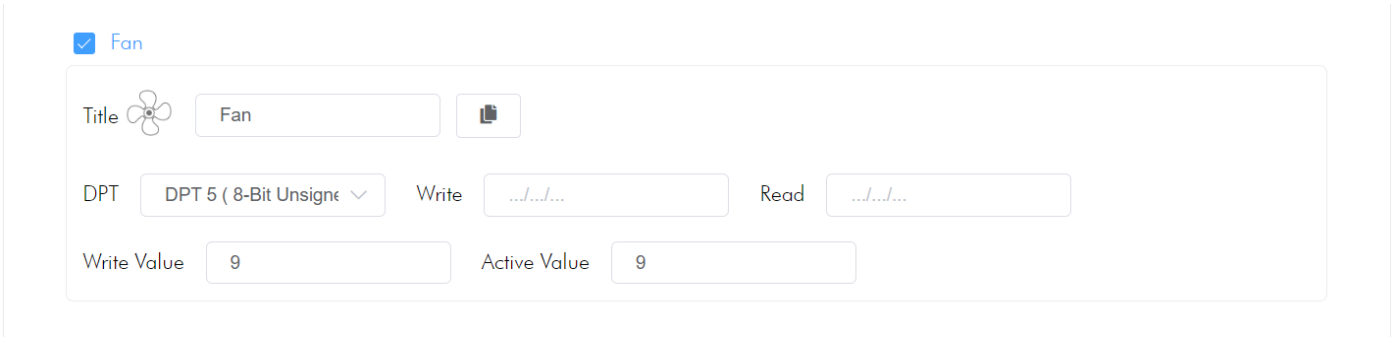
DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the heat command is sent
Read:	Data read group address where the heat command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Cool Function:
It is the function that allows thermostat to switch to cool mode.



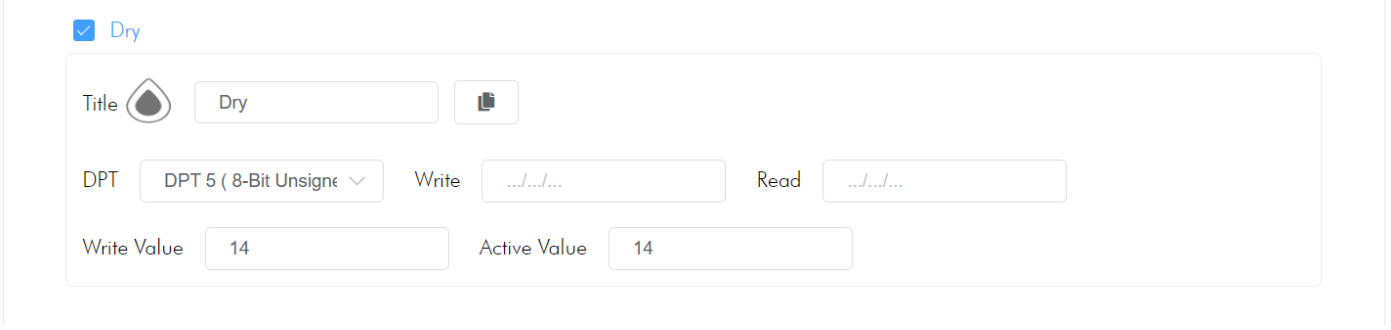
Related Group Address and Parameters:
DPT: Type of data to be sent or received to group address
Write: Data write group address where the cool command is sent
Read: Data read group address where the cool command is monitored
Write Value: Value to be sent to data write group address
Active Value: Expected value in data read group address

Fan Function:
It is the function that allows thermostat to switch to fan mode.



Related Group Address and Parameters:
DPT: Type of data to be sent or received to group address
Write: Data write group address where the fan command is sent
Read: Data read group address where the fan command is monitored
Write Value: Value to be sent to data write group address
Active Value: Expected value in data read group address

Dry Function:
It is the function that allows thermostat to switch to dry mode.



Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the dry command is sent
Read:	Data read group address where the dry command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

CONTROL MODE GROUP FUNCTIONS

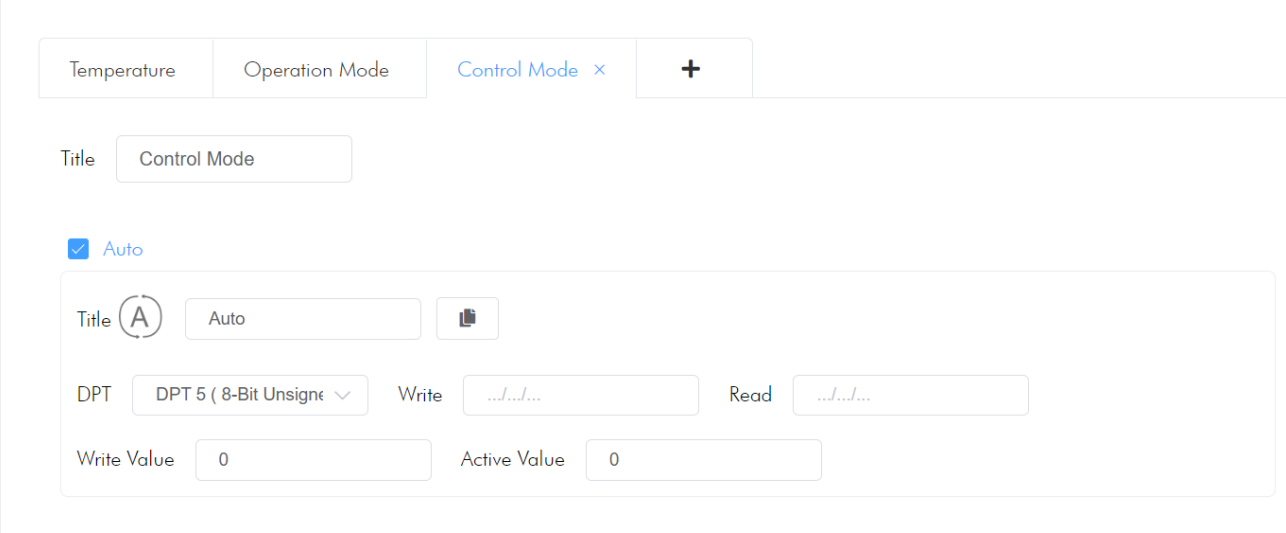
It is the group that contains the functions that control and monitor control modes representing the preset temperature values in the thermostat. It includes Auto, Comfort, Standby, Economy and Building Protection functions.

You can remove functions that thermostat does not support by deselecting function.

The name and icons of the functions displayed in user interface can be edited by integrator.

Auto Function:

It is the function that allows thermostat to switch to auto control mode.

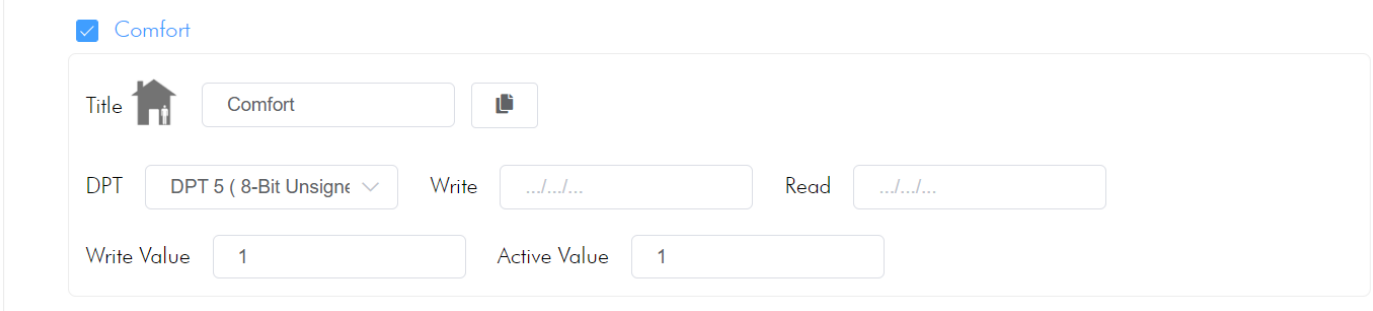


Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the auto command is sent
Read:	Data read group address where the auto command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Comfort Function:

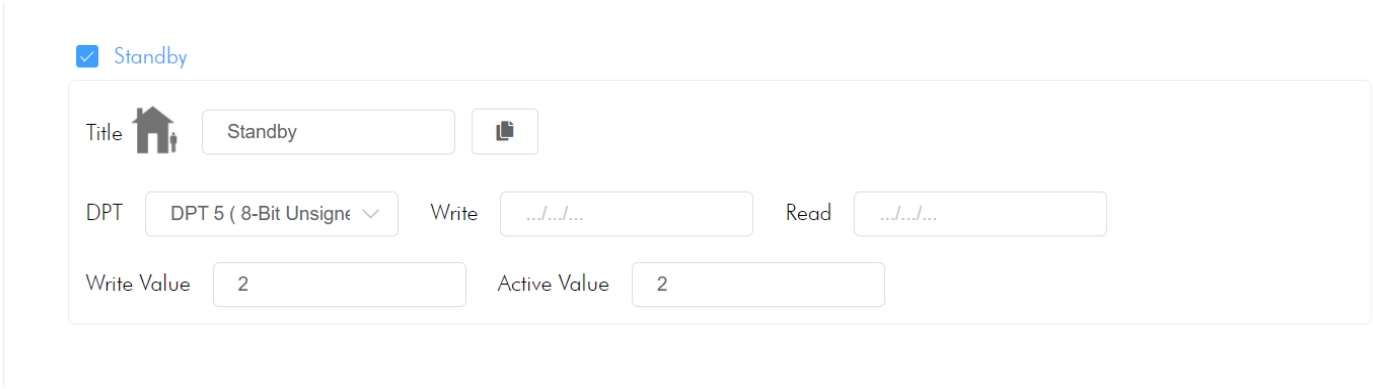
It is the function that allows thermostat to switch to comfort control mode.



Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the comfort command is sent
Read:	Data read group address where the comfort command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

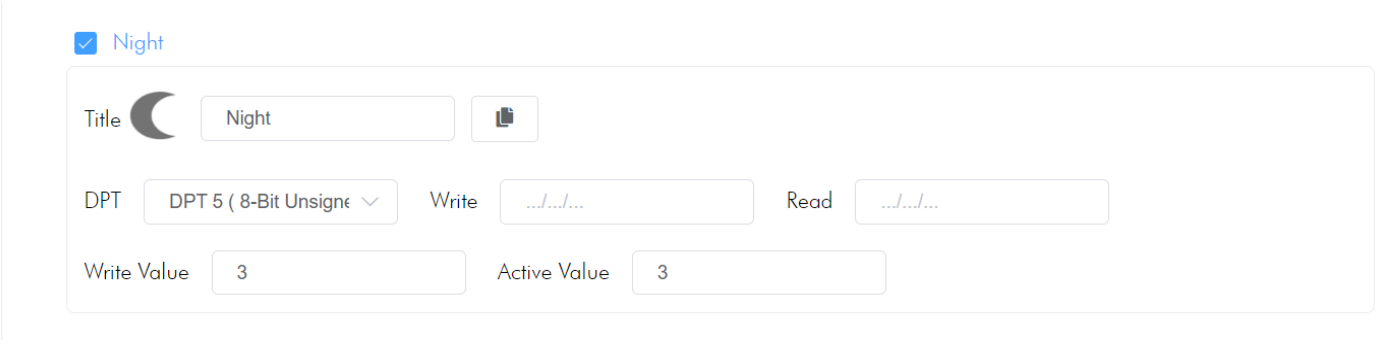
Standby Function:
It is the function that allows thermostat to switch to standby control mode.



Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the standby command is sent
Read:	Data read group address where the standby command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

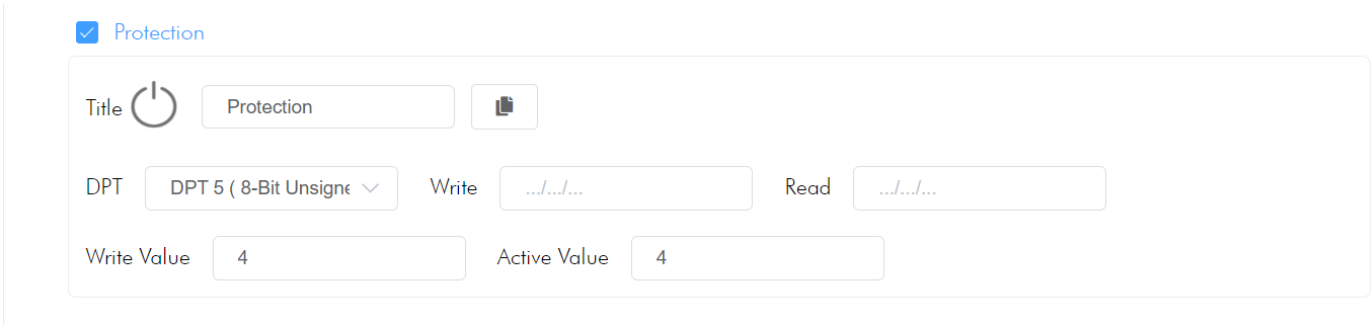
Night Function:
It is the function that allows thermostat to switch to night control mode.



Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the night command is sent
Read:	Data read group address where the night command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Building Protection Function:
It is the function that allows thermostat to switch to building protection control mode.



Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the building protection command is sent
Read:	Data read group address where the building protection command is read
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

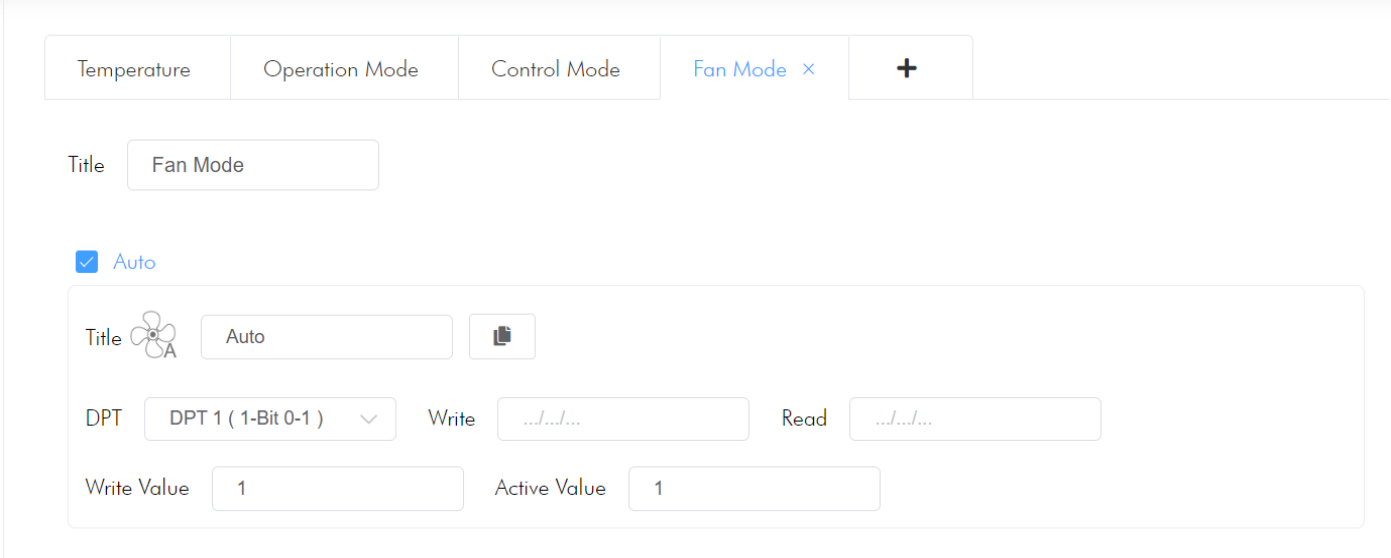
FAN GROUP FUNCTIONS

It is the group that contains the functions that control the fan speed in the thermostat. Includes Auto, Lowest, Lower, Middle, Higher, Highest functions. In this way, a total of 5 fan speed levels and auto fan speed are supported.

You can remove functions that thermostat does not support by deselecting function.

The name and icons of the functions displayed in user interface can be edited by integrator.

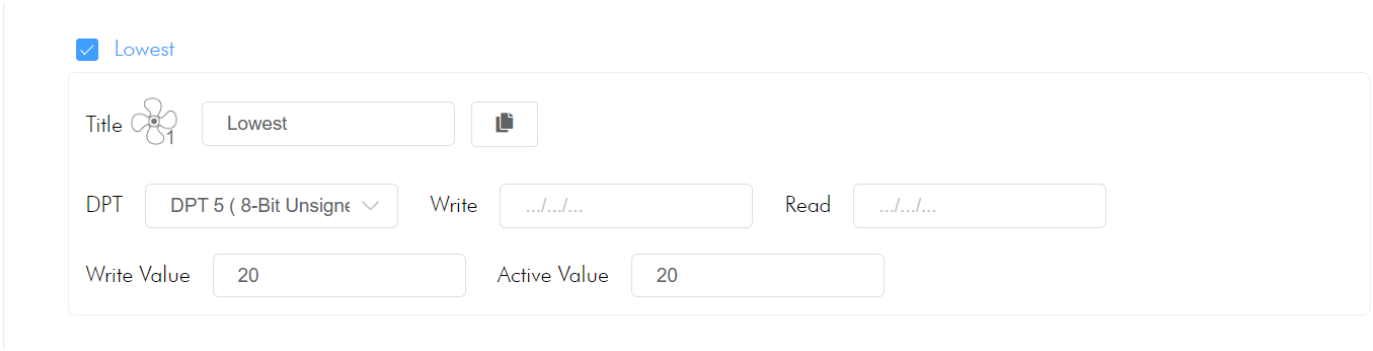
Auto Function:
It is the function that allows thermostat to switch to auto fan speed.



Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the auto fan speed command is sent
Read:	Data read group address where the auto fan speed command is read
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Lowest Fan Speed Function:
It is the function that allows thermostat to switch to lowest fan speed.



Related Group Address and Parameters:

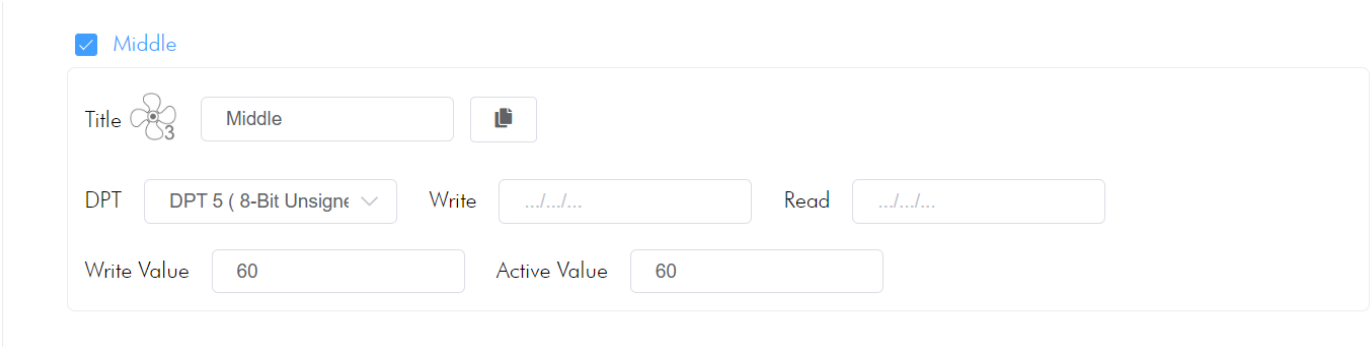
DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the lowest fan speed command is sent
Read:	Data read group address where the lowest fan speed command is read
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Lower Fan Speed Function:
It is the function that allows thermostat to switch to lower fan speed.

Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the lower fan speed command is sent
Read:	Data read group address where the lower fan speed command is read
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

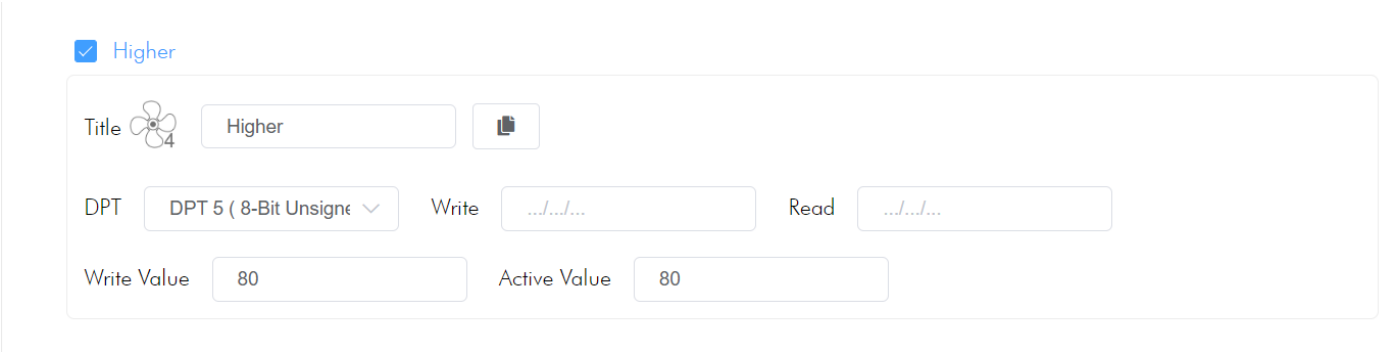
Middle Fan Speed Function:
It is the function that allows thermostat to switch to middle fan speed.



Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the middle fan speed command is sent
Read:	Data read group address where the middle fan speed command is read
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

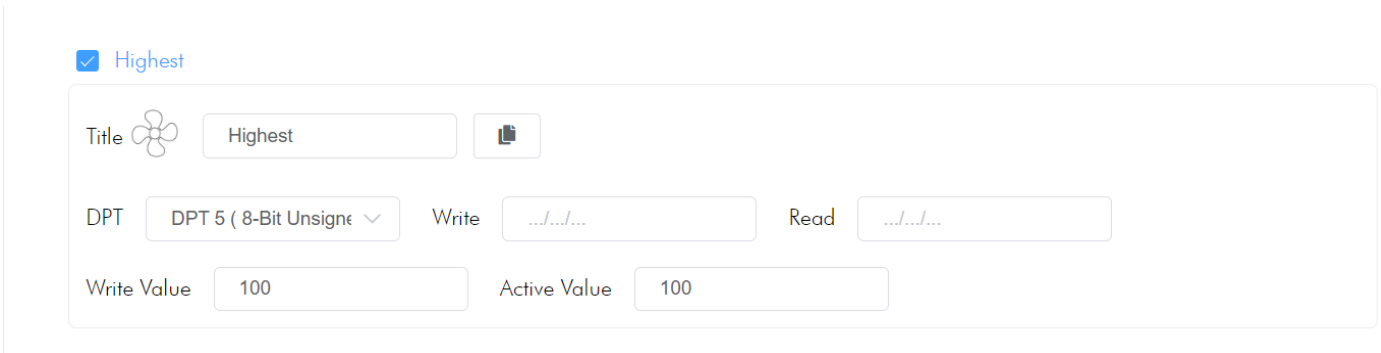
Higher Fan Speed Function:
It is the function that allows thermostat to switch to higher fan speed.



Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the higher fan speed command is sent
Read:	Data read group address where the higher fan speed command is read
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Highest Fan Speed Function:
It is the function that allows thermostat to switch to highest fan speed.



Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the highest fan speed command is sent
Read:	Data read group address where the highest fan speed command is read
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

U-D VANE AND L-R VANE FUNCTIONS

It is the group that contains the functions that control vanes of air conditioner. Includes Auto, Position 1, Position 2, Position 3, Position 4, Position 5 and Swing functions.

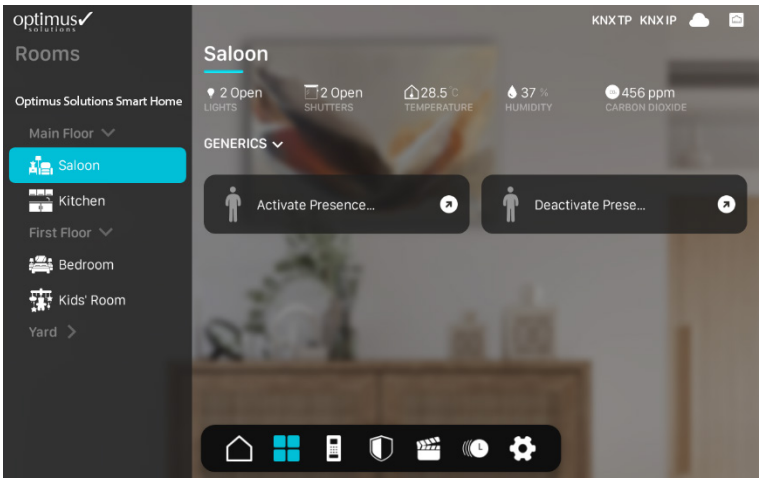
You can remove functions that air conditioner does not support by deselecting function.

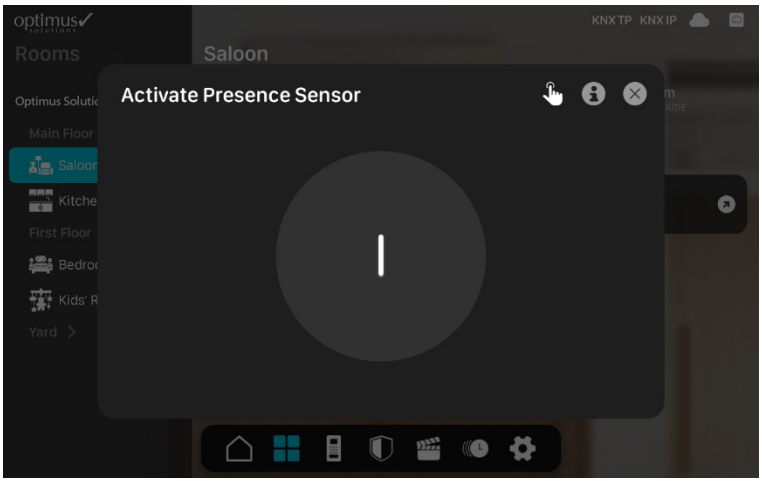
The name and icons of the functions displayed in user interface can be edited by integrator.

7.1.5. PUNCH BUTTON

Punch Button Accessory is used to send a single data to a predetermined group address in KNX Systems. Mostly, it is used to run a KNX scene, to open a trigger-oriented garage door and similar applications.

OPTIMUS TOUCH PANEL UI VIEW





In summary view, name and icon of the device is displayed. Only monitor acknowledge when data is sent, because there is not any status related to this accessory. Just tap device to reach detailed view.

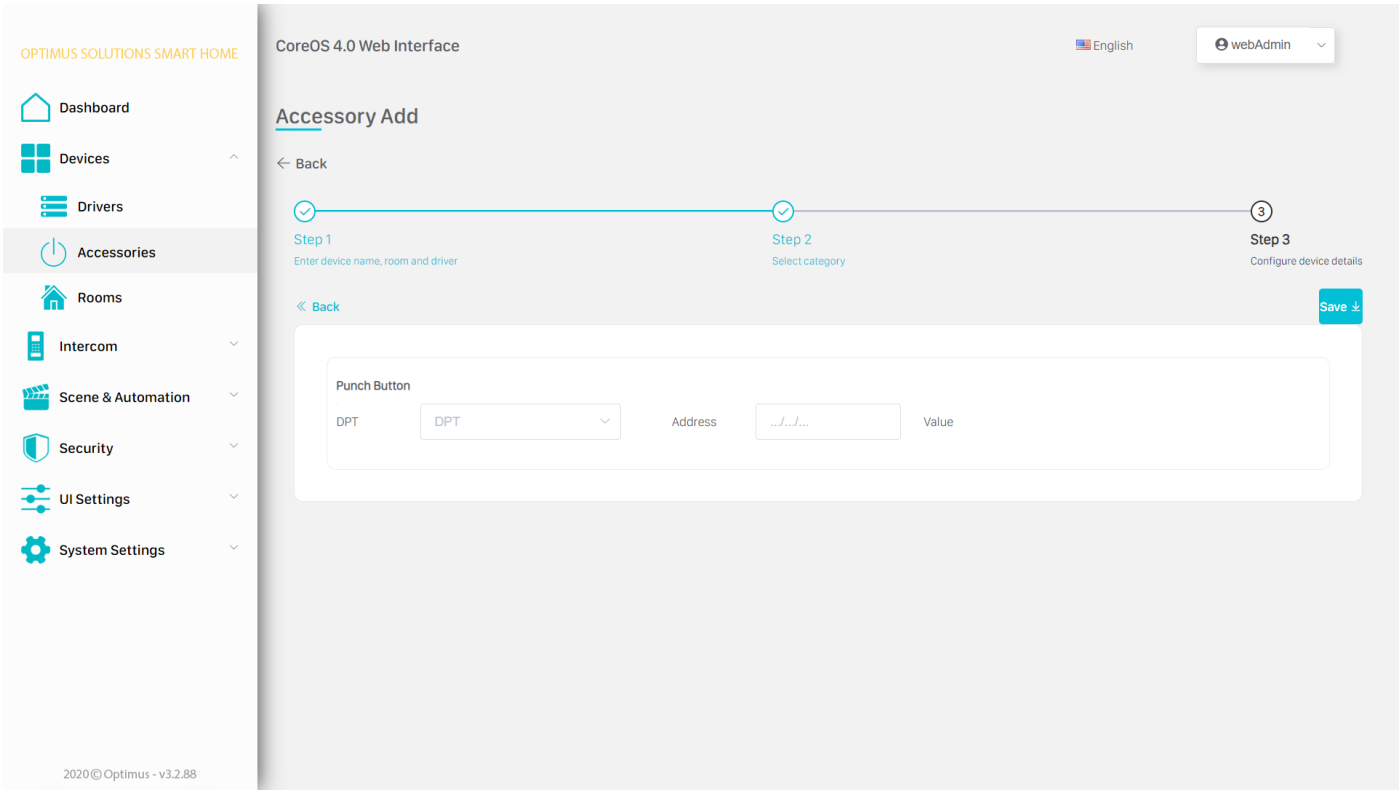
AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Punch Button	Multiple Choise	Write

ADDING A NEW PUNCH BUTTON ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Punch Button Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Punch Button.
- Choose in which category you want the accessory to be displayed in user interface. (Lights, Shutters, Climate, Generic)
- In third step, enter required information and configure functions related to Punch Button accessory.
- Click save to apply changes.



FUNCTIONS

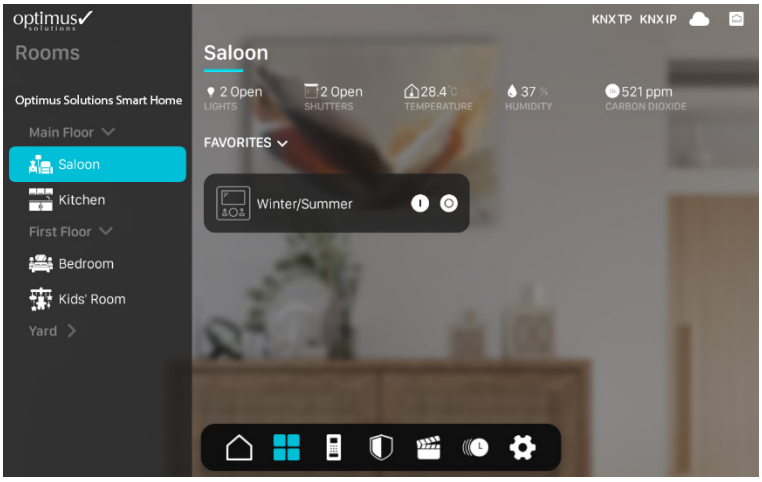
Punch Button:
It is the function where you can send a single data to a KNX group address.
Related Group Address:

DPT:	Type of data to be sent or received to group address
Address:	Group Address to which data will be sent
Value:	Value to be sent to group address

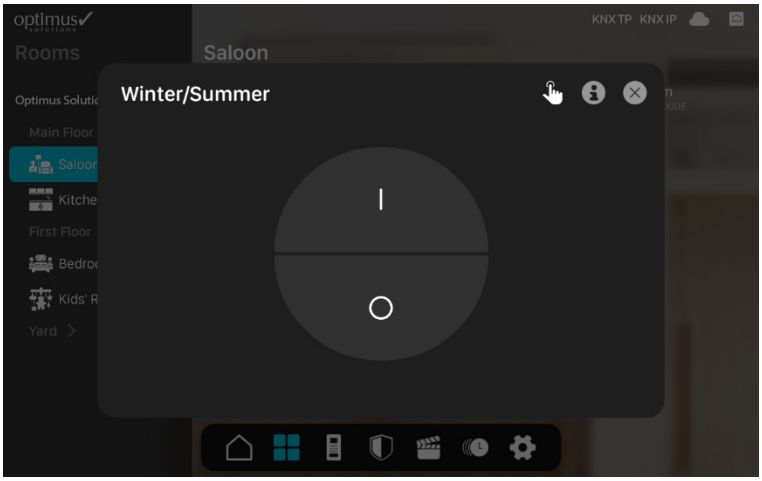
7.1.6. BINARY BUTTON

Binary Button Accessory Type is used to send data with different data types to two different pre-determined group addresses. Mostly it is used to control multiple lighting or shutter devices controlled in a single group address.

OPTIMUS TOUCH PANEL UI



In summary view, name and icon of the device is displayed. Only monitor acknowledge when data is sent, because there is not any status related to this accessory. Just tap device to reach detailed view.



In detail view, 2 keypads placed to send different functions.

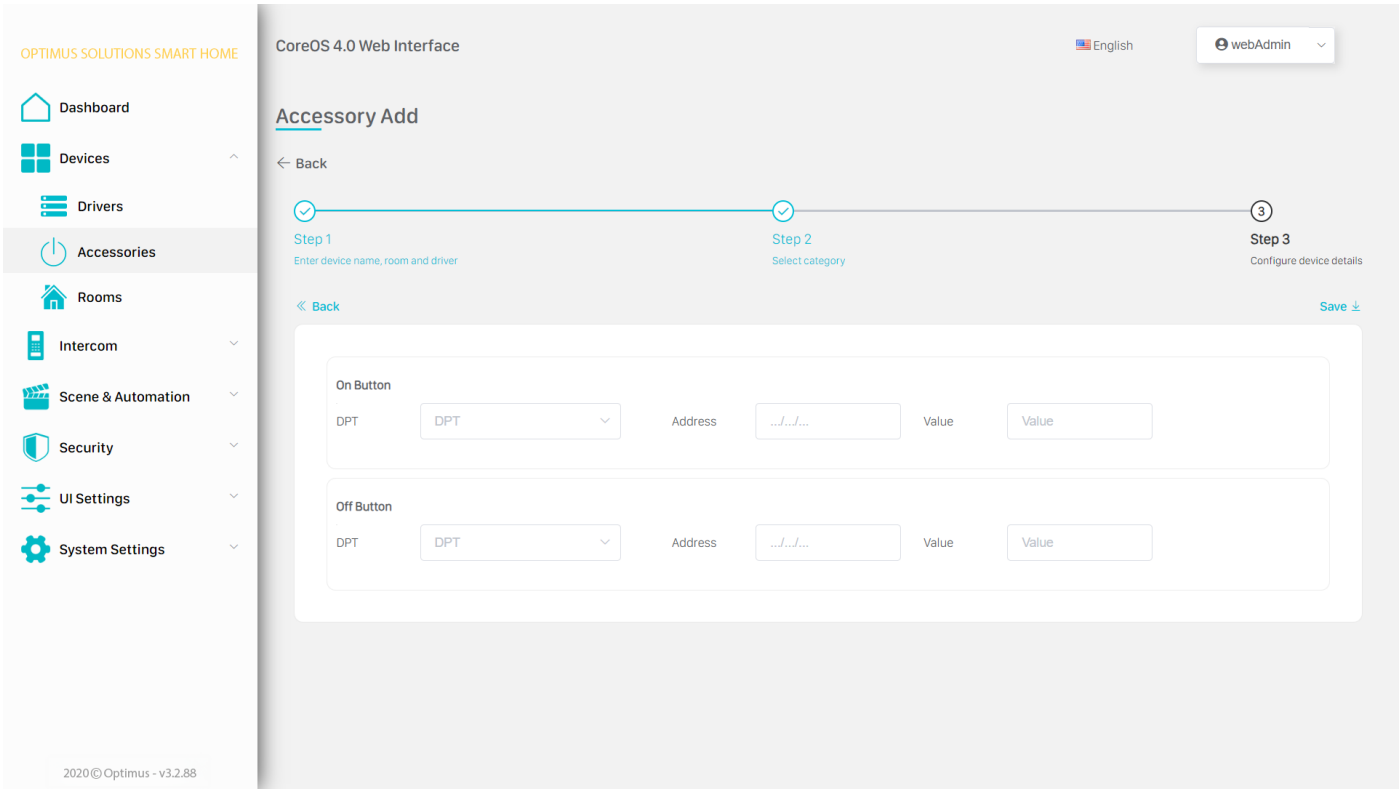
AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
On Button	Multiple Choice	Write
Off Button	Multiple Choice	Write

ADDING A NEW BINARY BUTTON ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Binary Button Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Binary Button.
- Choose in which category you want the accessory to be displayed in user interface. (Lights, Shutters, Climate, Generic)
- In third step, enter required information and configure functions related to binary button accessory.
- Click save to apply changes.



FUNCTIONS

On Button:
It is the function where you can send a single data to a KNX group address.
Related Group Address:

DPT:	Type of data to be sent or received to group address
Address:	Group Address to which data will be sent
Value:	Value to be sent to group address

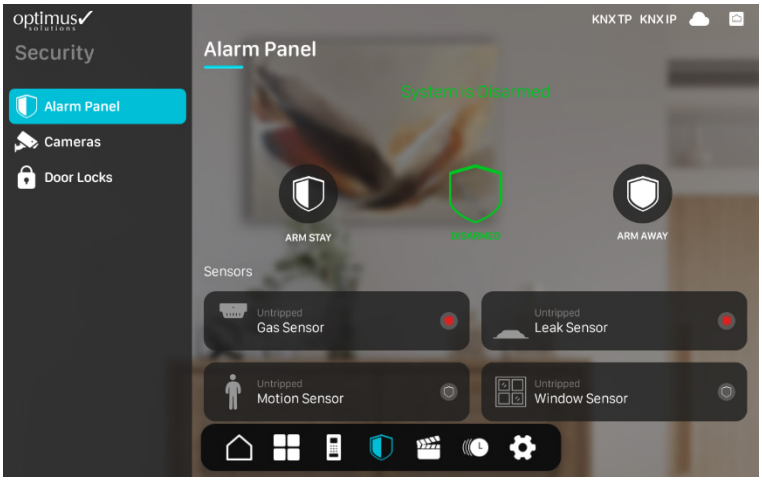
Off Button:
It is the function where you can send a single data to a KNX group address.
Related Group Address:

DPT:	Type of data to be sent or received to group address
Address:	Group Address to which data will be sent
Value:	Value to be sent to group address

7.1.7. SENSOR

Sensor Accessory allows to monitor status of digital security sensors connected to KNX Systems. KNX Sensor supports 6 different sensor types. These are motion, door, window, leak, gas and smoke sensors.

OPTIMUS TOUCH PANEL UI VIEW



KNX Sensor Accessory type is displayed in security menu of user interface. The sensor's name, icon, arming status and trigger status are displayed.

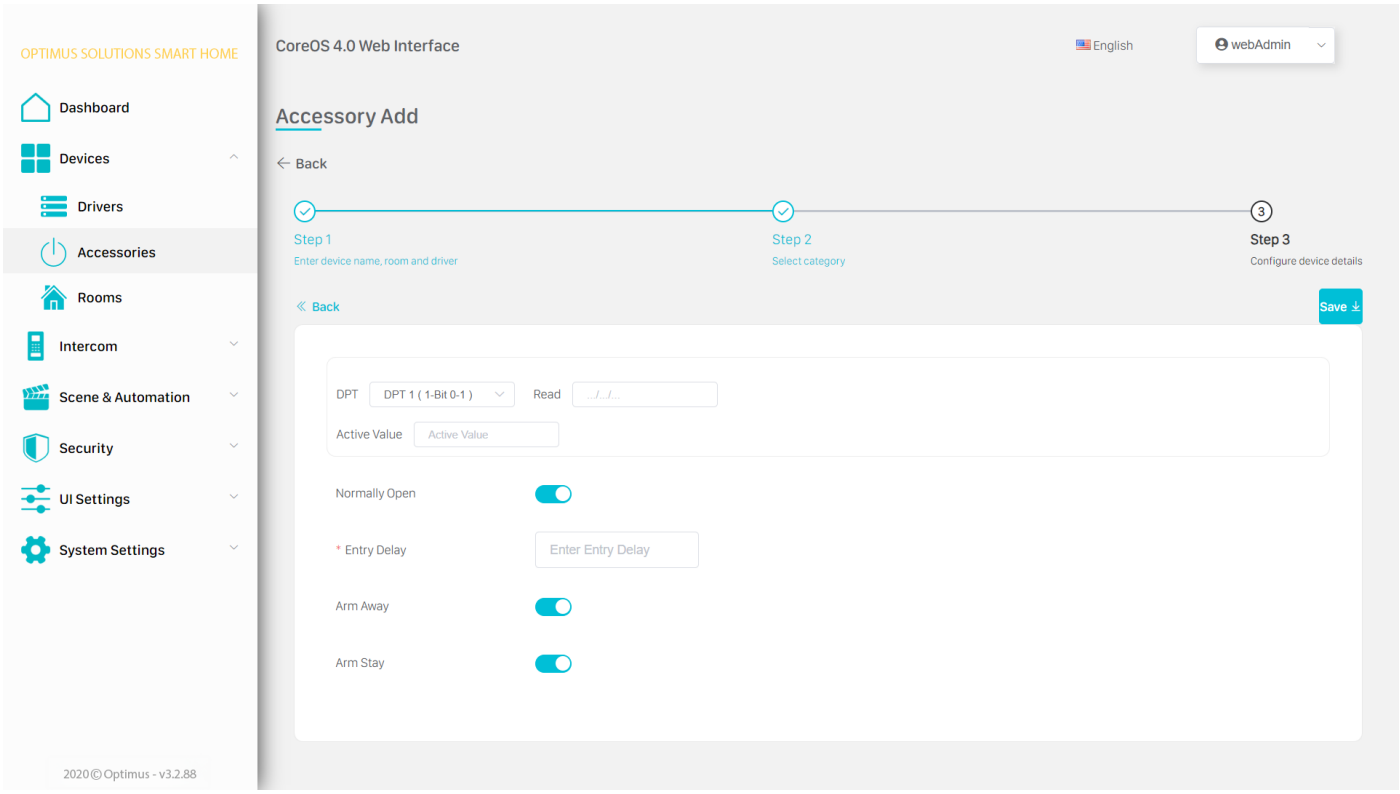
AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Sensor	Multiple Choice	Read

ADDING A NEW SENSOR ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – sensor Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as one of the sensor types.
- In third step, enter required information and configure functions related to sensor accessory.
- Click save to apply changes.



PARAMETERS

Normally Open: Sensor connection type
Entry Delay: Time to switch to violation state from the moment the sensor is armed and triggered
Arm Away: Arming the sensor when security system switch to arm away mode
Arm Stay: Arming the sensor when security system switch to arm stay mode

Gas, Smoke and Leak sensors are always armed (24/7)

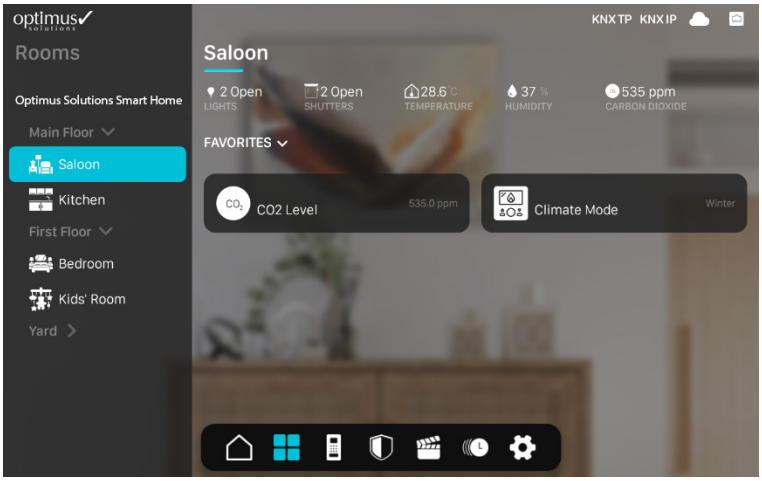
Entry delay of Gas, Smoke and Leak sensors are always 0sec.

FUNCTIONS

Sensor:
It is the function that monitor the status of sensor it is connected to.
Related Group Address:
DPT: Type of data to be sent or received to group address
Read: Group address to monitor the sensor status
Active Value: Value expected to be monitored in the group address when the sensor is triggered

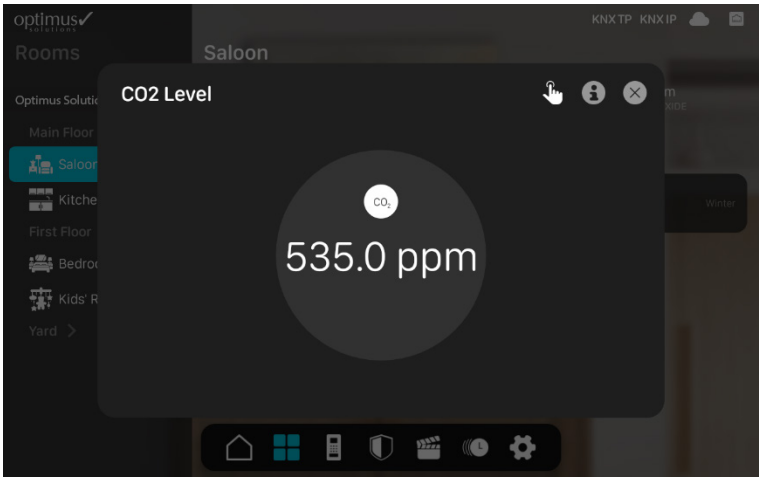
7.1.8. STATUS DISPLAY

Status Display Accessory is used to display a KNX data such as outdoor temperature, humidity, brightness level, text etc.



In summary view, name, icon and status of the device is displayed. Just tap device to reach detailed view.

.



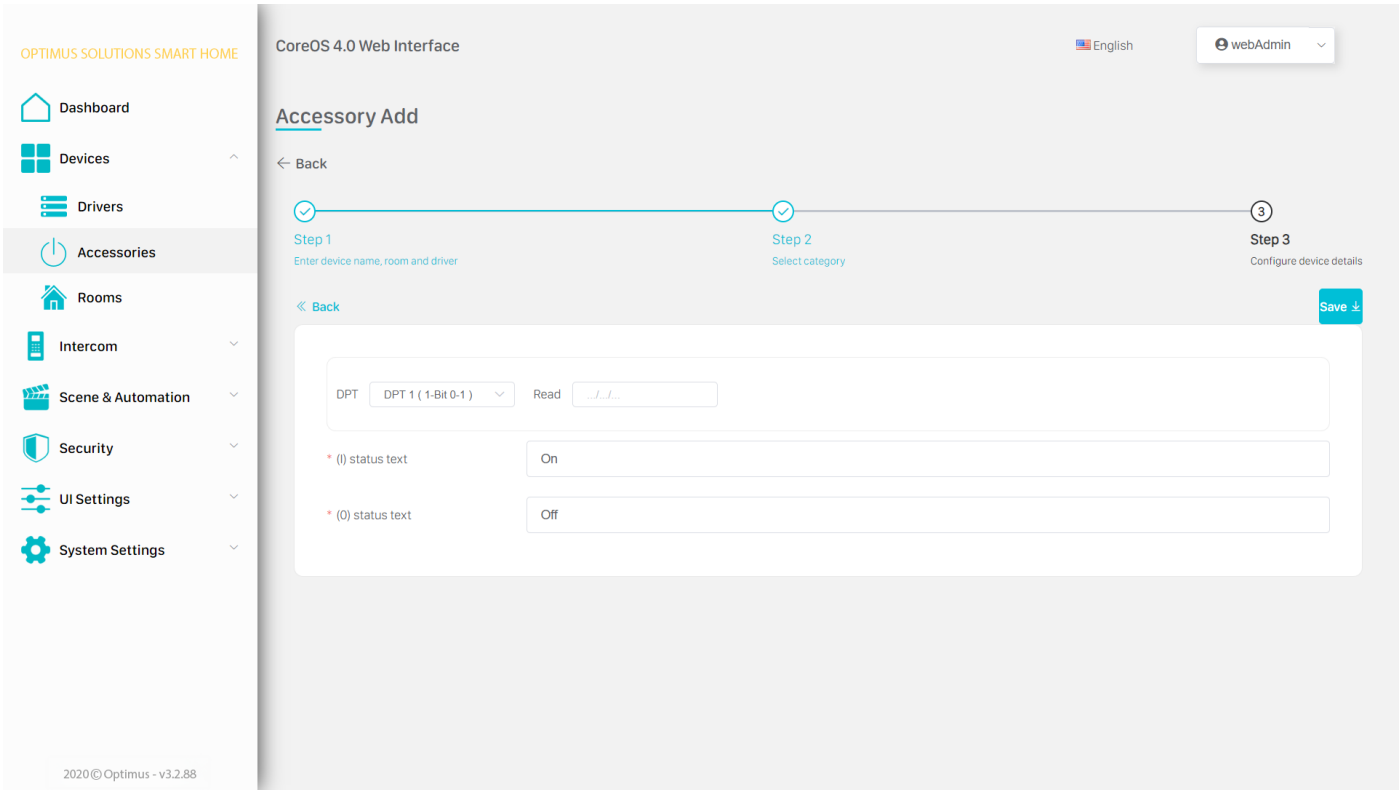
AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Status Display	Multiple Choice	Read

ADDING A NEW STATUS DISPLAY ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Status Display Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Status Display.
- In third step, enter required information and configure functions related to accessory.
- Click save to apply changes.



PARAMETERS

Status Text: The text that will be displayed when the expected data value received

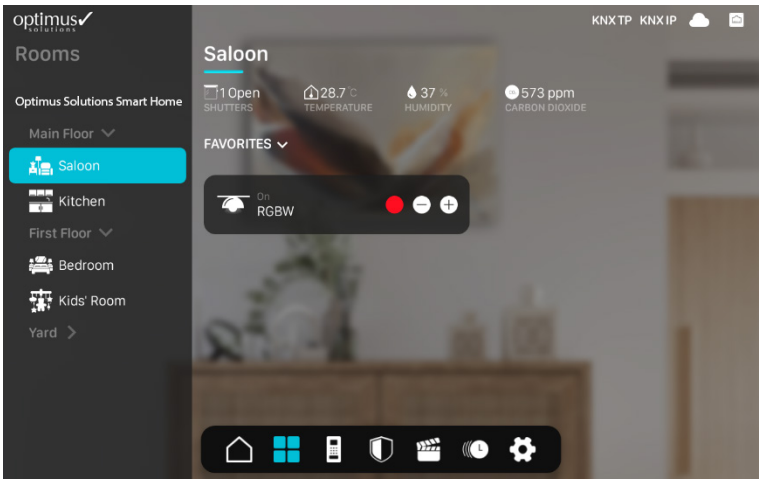
FUNCTIONS

Status Display:
It is the function that monitors the status text.
Related Group Address:
DPT: Type of data to be sent or received to group address
Read: Group address to monitor the status

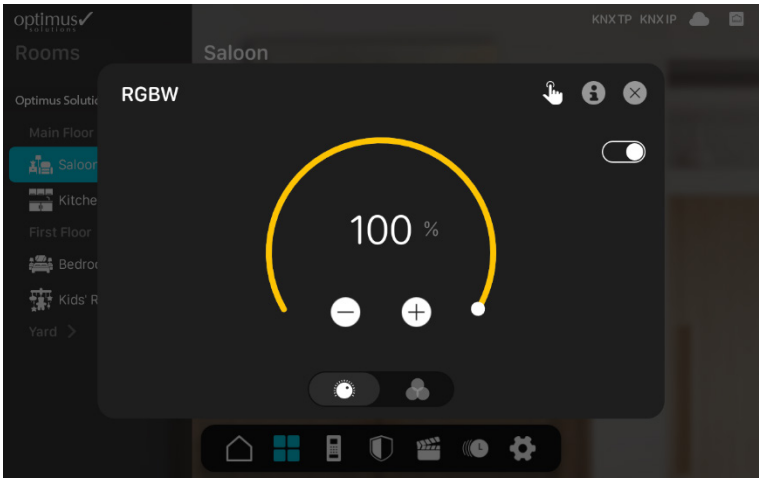
7.1.9. RGBW DIMMER

RGBW Dimmer Accessory allows to control and monitor RGBW devices in KNX Systems by Optimus Touch Panels. Central On/Off Control and status informations, central brightness control and status informations, color control with color wheel are controlled and monitored by this accessory type.

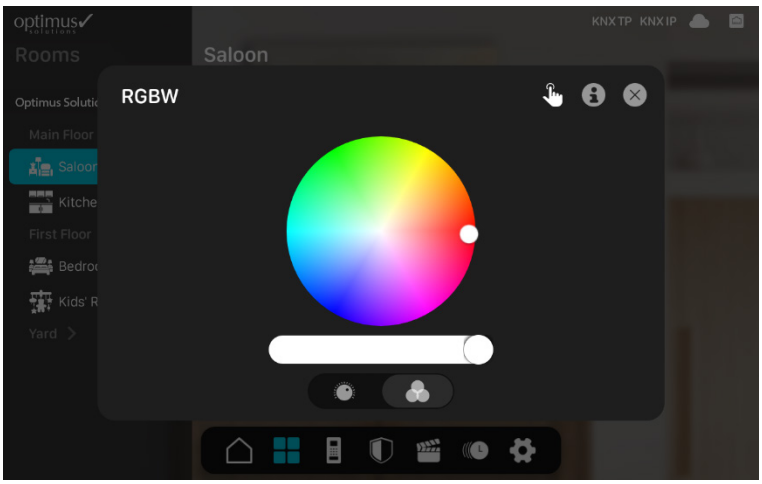
OPTIMUS TOUCH PANEL UI VIEW



In summary view, brightness status of device is monitored. Just tap device to reach detailed view.



You can find detailed view of RGBW Dimmer Accessory in the left hand side. Central on/off and central brightness control and status information and changing brightness value in form of drag and drop are displayed and controlled under this function



You can find detailed view of RGBW Dimmer Color function group in the left hand side. The Color Wheel and White light brightness value, are displayed and controlled under this function

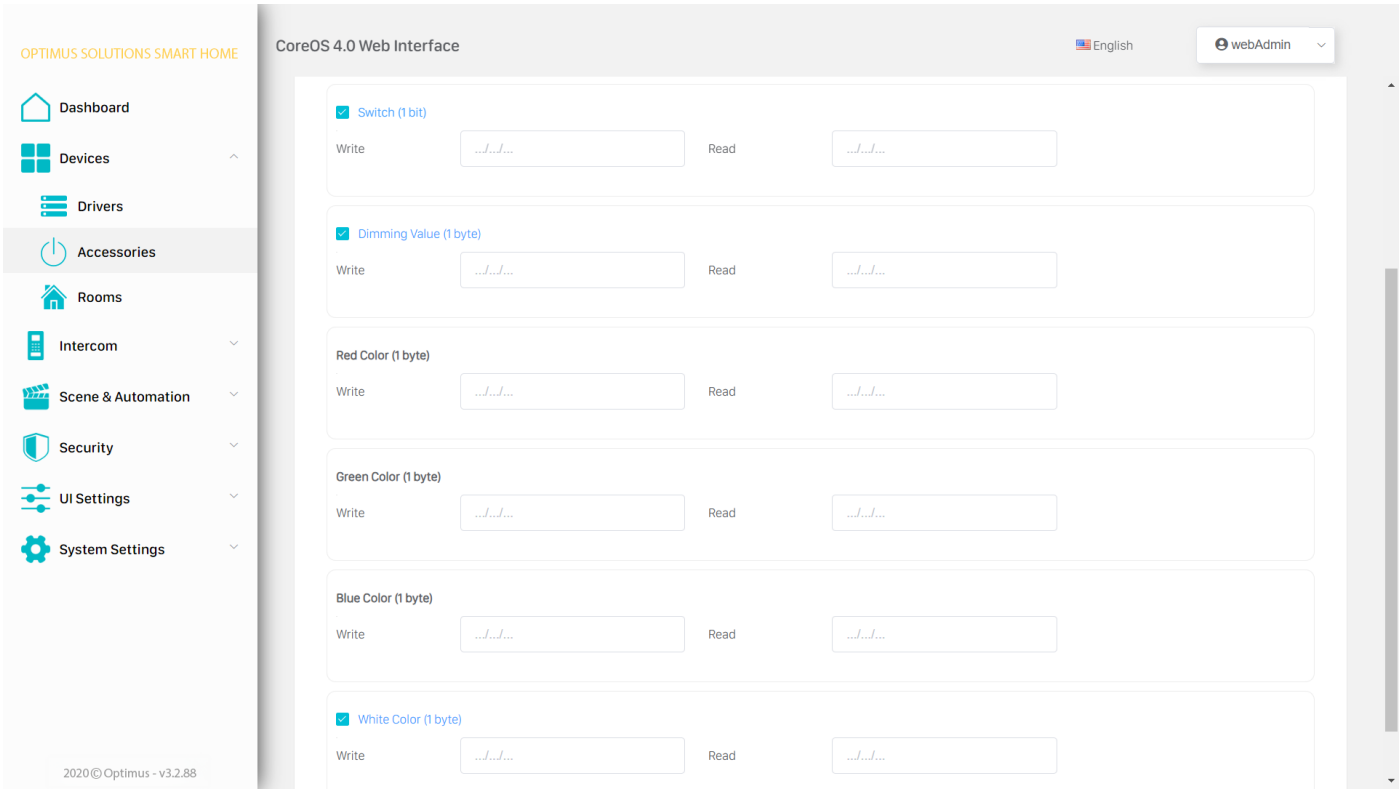
AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Switch	1.001 (1 Bit)	Write, Read
Dimming Value	5.001(1Byte)	Write, Read

ADDING A NEW RGBW DIMMER ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – RGBW Dimmer Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as RGBW Dimmer.
- In third step, enter required information and configure functions related to RGBW Dimmer accessory.
- Click save to apply changes.



FUNCTIONS

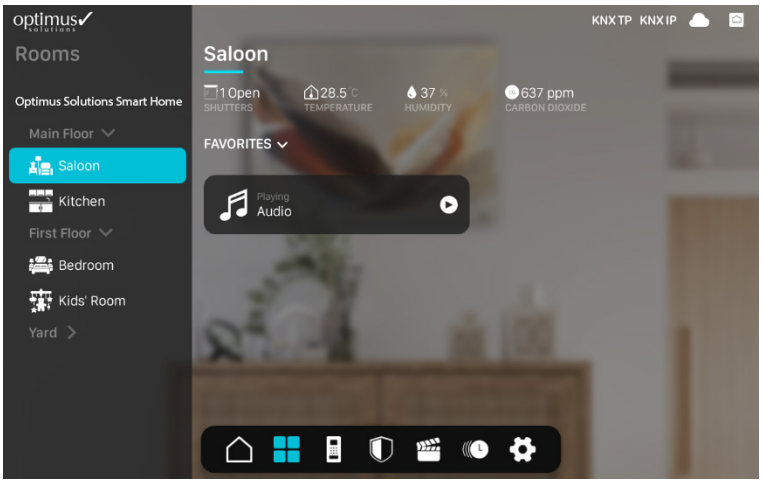
Switch:
It is the function that enables the connected load to be switched on or off. When reading and writing data, it uses the 1-Bit 1.001 data point.
Related Group Addresses:
Switch (1-Bit) Write: Data write group address to which On/Off command is sent
Switch (1-Bit) Read: Data read group address where On/Off status is monitored

Dimming Value:
It is the function that allows controlling and monitoring brightness value of the connected device. It uses 5.001 1 Byte Data Type when reading and writing data.
Related Group Addresses:
Dimming Value (1-Byte) Write: Data write group address to which brightness value of load is sent
Dimming Value (1-Byte) Read: Data read group address where brightness value of load is monitored

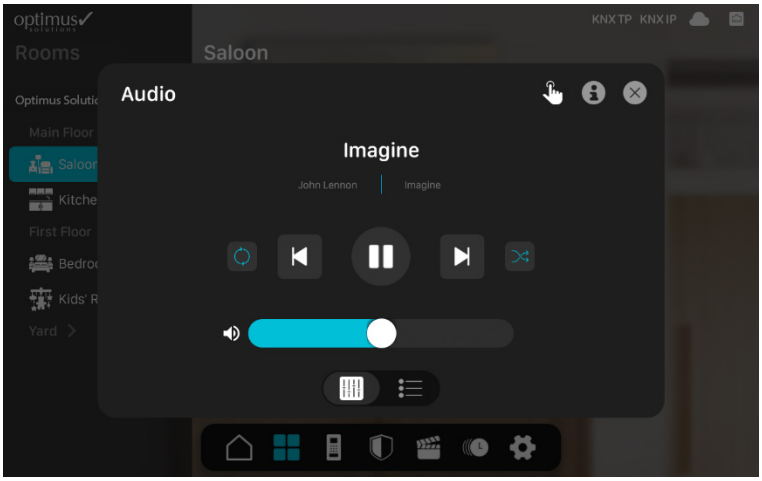
7.1.10. AUDIO

Audio Accessory allows to control and monitor Audio devices in KNX Systems by Optimus Touch Panels. Play/pause, volume, previous track, next track, shuffle, repeat, current track, album, artist, playlist controls and status informations are controlled and monitored by this accessory type.

OPTIMUS TOUCH PANEL UI VIEW



In summary view, playing or paused status of device is monitored. Just tap device to reach detailed view.



You can find detailed view of Audio function group in the left hand side. Play/pause, volume, previous track, next track, shuffle, repeat control and current track name, album, artist and play list informations are displayed and controlled under this function

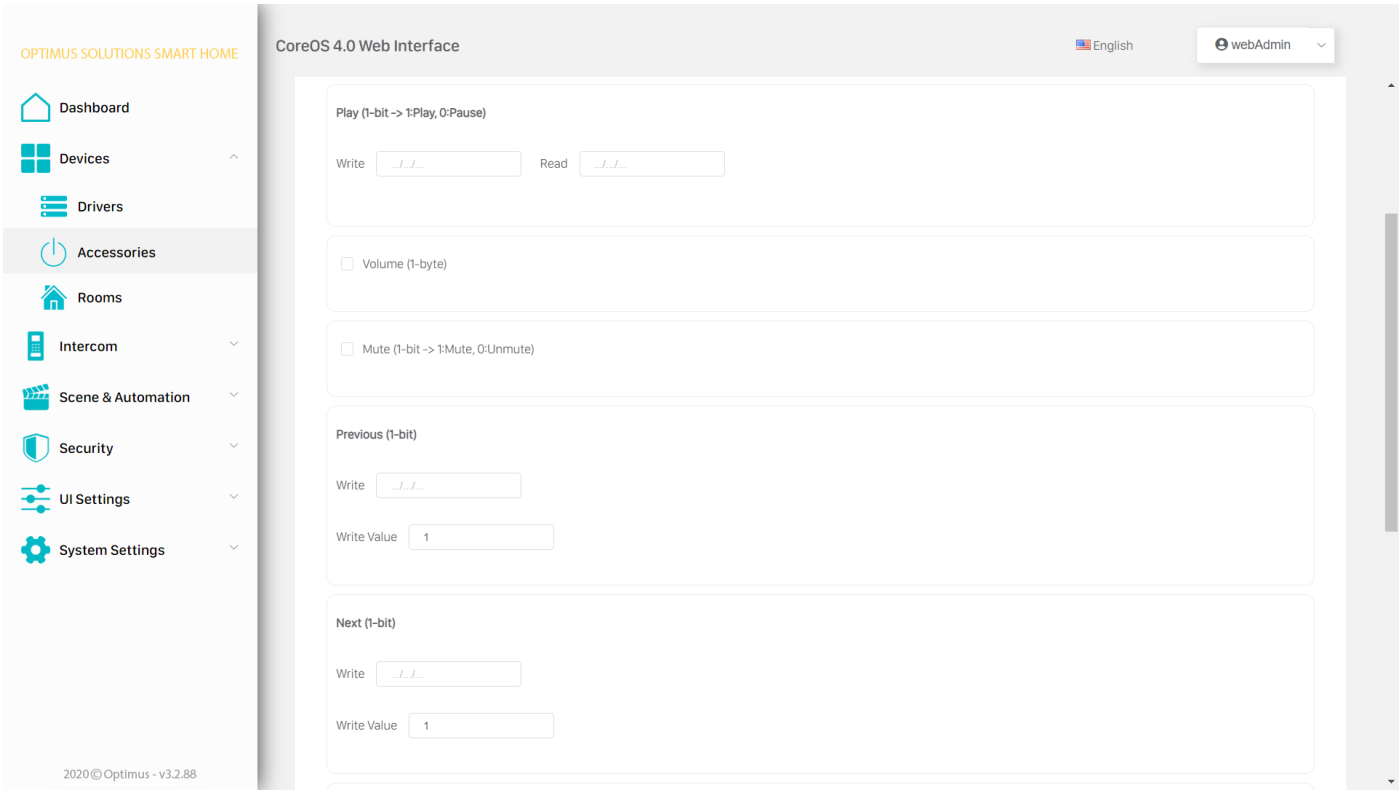
AVAILABLE FUNCTIONS

Fonksiyon Adı	KNX Data Point	KNX Grup Adresi
Play (1:Play, 0:Pause)	1.001 (1 Bit)	Write, Read
Volume	5.001(1Byte)	Write, Read
Mute (1:Mute, 0:Unmute)	1.001 (1 Bit)	Write, Read
Previous	1.001 (1 Bit)	Write
Next	1.001 (1 Bit)	Write
Current Track	16.000 (14 Byte)	Read
Current Album	16.000 (14 Byte)	Read
Current Artist	16.000 (14 Byte)	Read
Current Playlist	16.000 (14 Byte)	Read
Shuffle (1:Mix, 0:No Mix)	1.001 (1 Bit)	Write, Read
Repeat (1:Repeat, 0:No Repeat)	1.001 (1 Bit)	Write, Read

ADDING A NEW AUDIO ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Audio Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Audio.
- In third step, enter required information and configure functions related to Audio accessory.
- Click save to apply changes.



FUNCTIONS

Play (1-bit -> 1:Play, 0:Pause):
It is the function that allows the current track to be played or paused. When reading and writing data, it uses the 1-Bit 1.001 data point.
Related Group Addresses:
Play (1-Bit) Write: Data write group address to which Play/Pause command is sent
Play (1-Bit) Read: Data read group address where Play/Pause status is monitored

Volume (1 Byte):
It is the function that allows changing volume level. When reading and writing data, it uses the 1-Byte 5.001 data point.
Related Group Addresses:
Volume (1-Byte) Write: Data write group address to which volume level command is sent
Volume (1-Byte) Read: Data read group address where volume level status is monitored

Mute (1-bit -> 1:Mute, 0:Unmute):
It is the function that allows the volume to be muted or unmuted. When reading and writing data, it uses the 1-Bit 1.001 data point.
Related Group Addresses:
Mute (1-Bit) Write: Data write group address to which Mute/Unmute command is sent
Mute (1-Bit) Read: Data read group address where Mute/Unmute status is monitored

Previous (1-bit):
It is the function that allows to skip to the previous track. When writing data, it uses the 1-Bit 1.001 data point.
Related Group Addresses:
Previous (1-Bit) Write: Data write group address to which previous track command is sent

Next (1-bit):
It is the function that allows to skip to the next track. When writing data, it uses the 1-Bit 1.001 data point.
Related Group Addresses:
Next (1-Bit) Write: Data write group address to which next track command is sent

Current Track (14-byte):
It is the function that allows to show the current track name. When reading data, it uses the 14-Byte 16.000 data point.
Related Group Addresses:
Current Track (14-Byte) Read: Data read group address where current track name is monitored

Current Album (14-byte):
It is the function that allows to show the current album name. When reading data, it uses the 14-Byte 16.000 data point.
Related Group Addresses:
Current Album (14-Byte) Read: Data read group address where current album name is monitored

Current Artist (14-byte):
It is the function that allows to show the current artist name. When reading data, it uses the 14-Byte 16.000 data point.
Related Group Addresses:
Current Artist (14-Byte) Read: Data read group address where current artist name is monitored

Current Playlist (14-byte):
It is the function that allows to show the current playlist name. When reading data, it uses the 14-Byte 16.000 data point.
Related Group Addresses:
Current Playlist (14-Byte) Read: Data read group address where current playlist name is monitored

Shuffle (1-bit -> 1:Mix, 0:No Mix):
It is the function that allows the playlist to be played shuffled or sequentially. When reading and writing data, it uses the 1-Bit 1.001 data point.
Related Group Addresses:
Shuffle (1-Bit) Write: Data write group address to which Mix/No Mix command is sent
Shuffle (1-Bit) Read: Data read group address where Mix/No Mix status is monitored

Repeat (1-bit -> 1:Repeat, 0:No Repeat):
It is the function that allows the current playlist to be played repeatedly or without repeating. When reading and writing data, it uses the 1-Bit 1.001 data point.
Related Group Addresses:
Repeat (1-Bit) Write: Data write group address to which Repeat/No Repeat command is sent
Repeat (1-Bit) Read: Data read group address where Repeat/No repeat status is monitored

7.1.11. SIREN

Siren accessory allows to control siren connected to a knx switch actuator by triggered security sensors and deactivated alarm automatically. When a sensor activates alarm siren becomes on and when alarm is deactivated it becomes off. This accessory is invisible on Touch Panel UI.

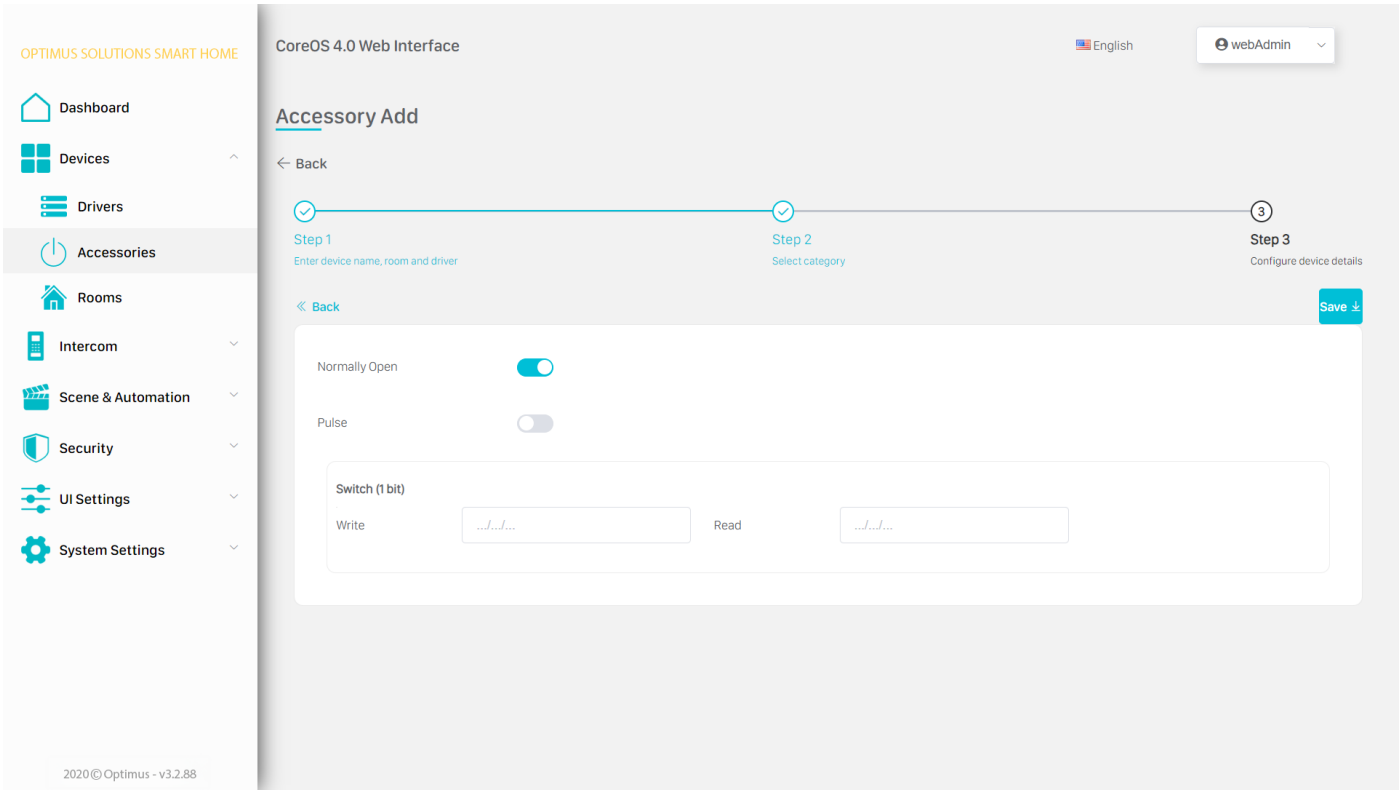
AVAILABLE FUNSTONS

Function Name	KNX Data Point	KNX Group Address
Switch	1.001 (1 Bit)	Read, Write

ADDING A NEW SIREN ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Siren Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Siren.
- In third step, enter required information related to Siren accessory.
- Click save to apply changes.



PARAMETERS

Normally Open: Type of relay to which the controlled load is connected
Pulse: The duration that the controlled load stays open and then closes

FUNCTIONS

Switch:
It is the function that enables the connected load to be switched on or off. When reading and writing data, it uses the 1-Bit 1.001 data type.
Related Group Addresses:
Switch (1-Bit) Write: Data write group address to which On/Off command is sent

Switch (1-Bit) Read: Data read group address where On/Off status is monitored

7.2. SUPPORTED ACCESSORY TYPES WITH SYSTEM I/O DRIVER

Edge Touch Panel includes new accessory types to control and monitor many different types of loads by Touch Panel built-in digital inputs and outputs.

Supported Accessory Types with System I/O Driver:

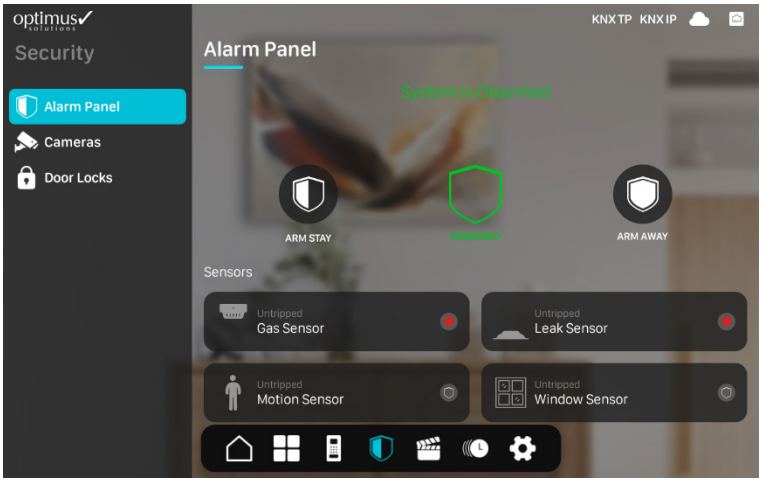
Accessory Types Related with Outputs:
- Switch
- Contactor
- Water valve
- Gas valve
- Elevator
- Electrical Device
- Siren

Accessory Types Related with Digital Inputs:
- Motion Sensor
- Door Sensor
- Window sensor
- Leak Sensor
- Gas Sensor
- Smoke Sensor

7.2.1. SENSOR

Sensor Accessory allows to monitor status of digital security sensors connected to digital inputs of Touch Panel. Sensor supports 6 different sensor types. These are motion, door, window, leak, gas and smoke sensors.

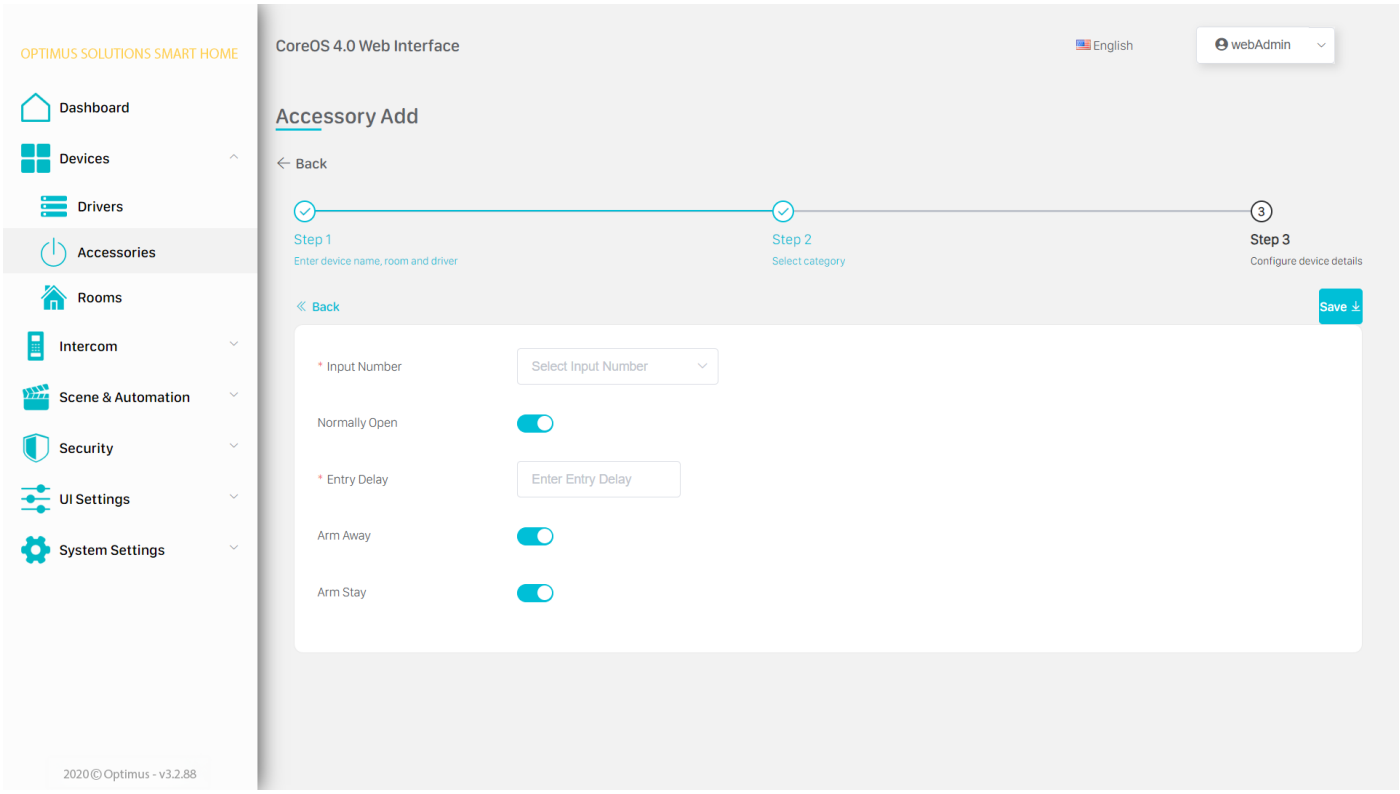
OPTIMUS TOUCH PANEL UI VIEW



System I/O Sensor Accessory type is displayed in security menu of user interface. The sensor's name, icon, arming status and trigger status are displayed.

ADDING A NEW SENSOR ACCESSORY

Follow the steps in Adding New Accessory section, to add new System I/O – sensor Accessory:
- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose System I/O as driver.
- In second step, choose Accessory Type as one of the sensor types.
- In third step, enter required information and configure functions related to sensor accessory.
- Click save to apply changes.



PARAMETERS

Input Number: Number indicating which digital input of Touch Panel the sensor is connected to

Normally Open: Sensor connection type

Entry Delay: Time to switch to violation state from the moment the sensor is armed and triggered

Arm Away: Arming the sensor when security system switch to arm away mode

Arm Stay: Arming the sensor when security system switch to arm stay mode

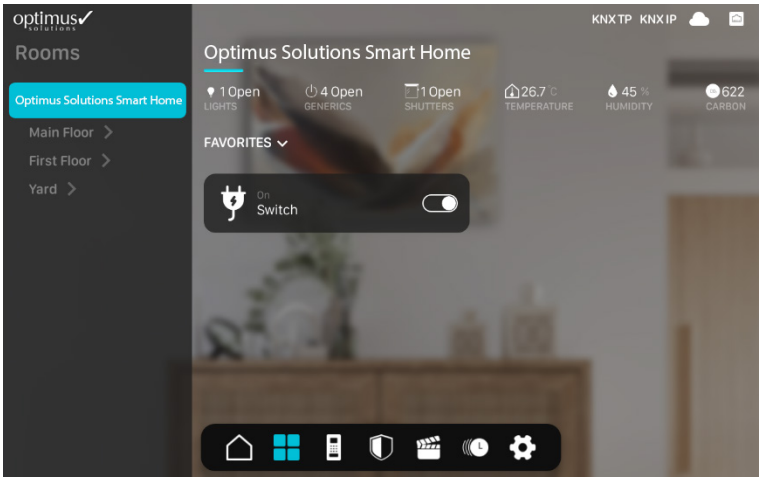
Gas, Smoke and Leak sensors are always armed (24/7)

Entry delay of Gas, Smoke and Leak sensors are always 0sec.

7.2.2. SWITCH

Switch Accessory type allows loads connected to Touch Panel built-in I/O to be controlled and monitored by Edge Touch Panel. System I/O outputs support 7 different load types. These are switch, contactor, water valve, gas valve, siren, electrical device and elevator.

OPTIMUS TOUCH PANEL UI VIEW

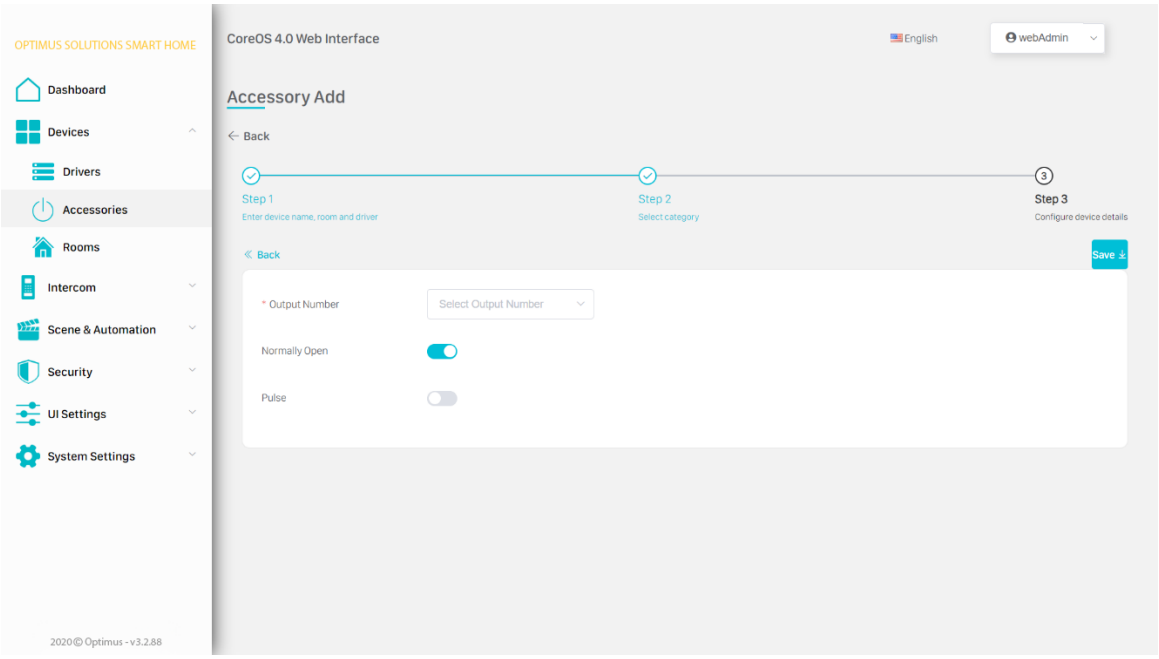


System I/O Switch Accessory type is displayed in the user interface in the category determined by the integrator. The name, icon and status of load are displayed.

ADDING A NEW SYSTEM I/O SWITCH ACCESSORY

Follow the steps in Adding New Accessory section, to add new System I/O – Switch Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose System I/O as driver.
- In second step, choose Accessory Type as switch, elevator, electrical device, contactor, water valve, gas valve or siren.
- Choose in which category you want the accessory to be displayed in user interface. (Lights, Shutters, Climate, Generic)
- In third step, enter required information and configure functions related to switch accessory.
- Click save to apply changes.



PARAMETERS

Output Number:	Number indicating which output of Touch Panel the switch is connected to
Normally Open:	Switch connection type
Pulse:	The duration that the controlled load stays open and then closes

7.3. SUPPORTED ACCESSORY TYPES WITH MODBUS DRIVER

Edge Touch Panel includes accessory types to control and monitor different types of loads in the Modbus protocol via RS485 input

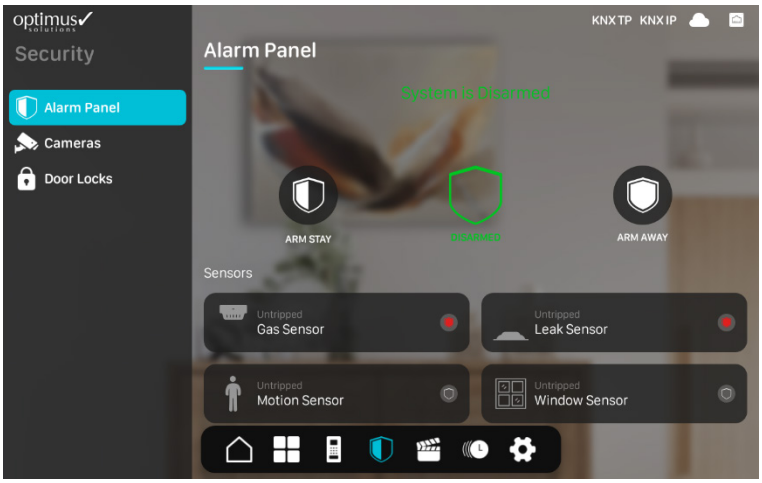
Supported Accessory Types with Modbus Driver:

- Switch
- Advanced Thermostat
- Motion Sensor
- Door Sensor
- Window sensor
- Leak Sensor
- Gas Sensor
- Smoke Sensor

7.3.1. SENSOR

Sensor Accessory allows to monitor status of digital security sensors connected to Modbus system. Modbus Sensor supports 6 different sensor types. These are motion, door, window, leak, gas and smoke sensors.

OPTIMUS TOUCH PANEL UI VIEW

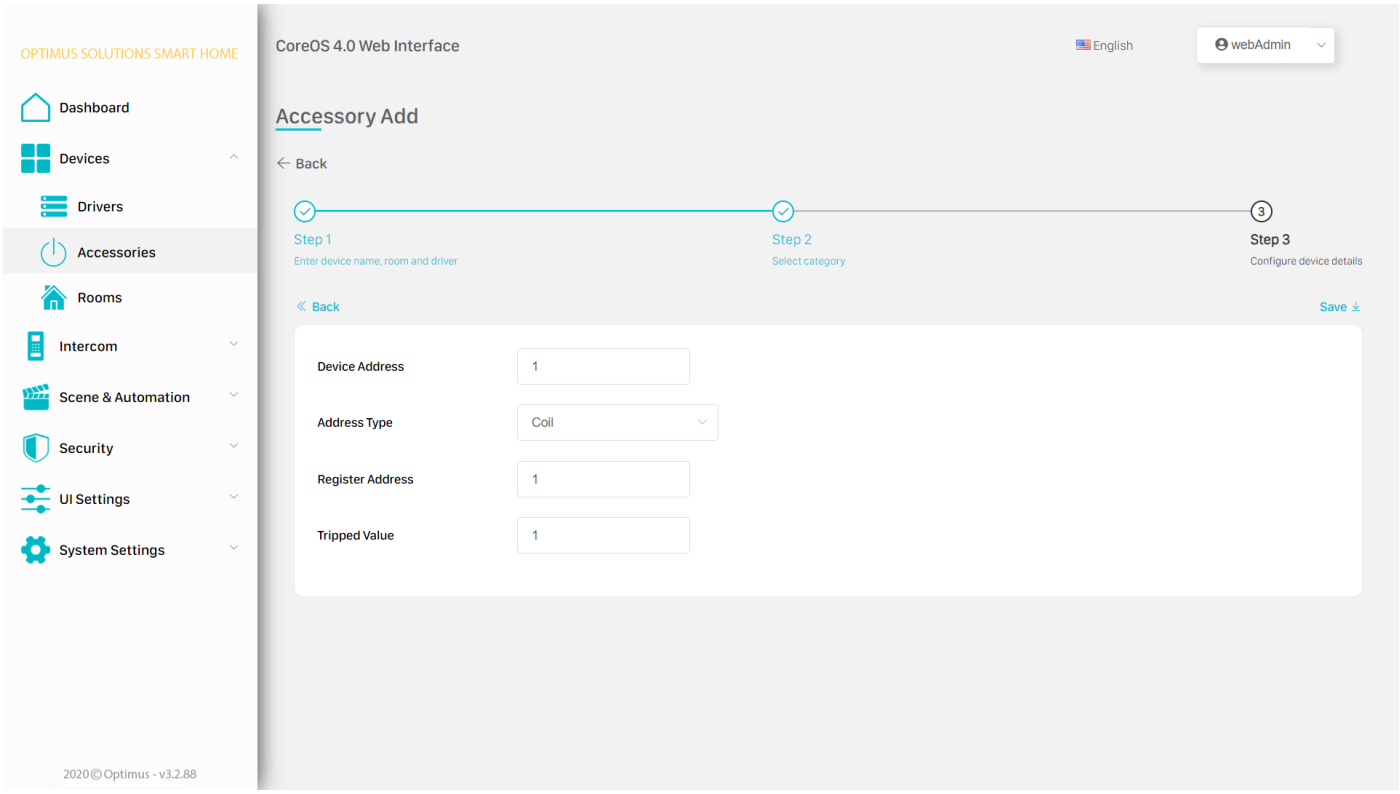


Modbus Sensor Accessory type is displayed in security menu of user interface. The sensor's name, icon, arming status and trigger status are displayed.

ADDING A NEW MODBUS SENSOR ACCESSORY

Follow the steps in Adding New Accessory section, to add new Modbus – sensor Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose Modbus as driver.
- In second step, choose Accessory Type as one of the sensor types.
- In third step, enter required information and configure functions related to sensor accessory.
- Click save to apply changes.



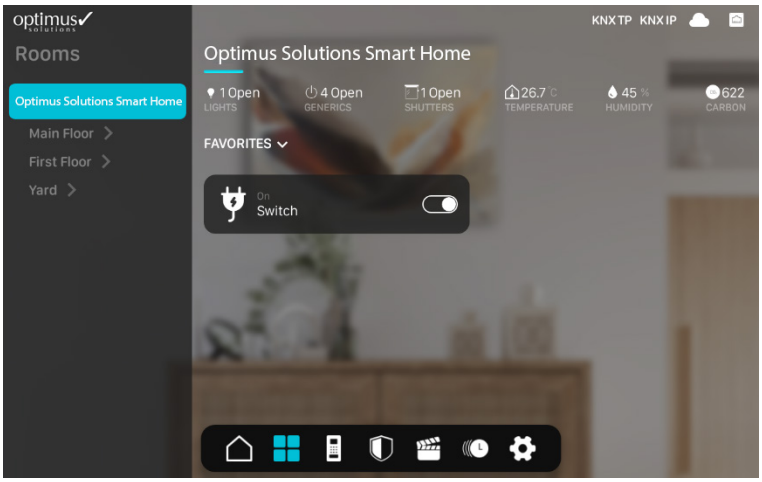
PARAMETERS

Device Address: Modbus device address
Address Type: Modbus device address type
Register Address: Modbus device register address
Tripped Value: The data that sensor will send to the system when it is tripped

7.3.2. SWITCH

Switch Accessory type allows loads in the Modbus system to be controlled and monitored by Edge Touch Panel.

OPTIMUS TOUCH PANEL UI VIEW

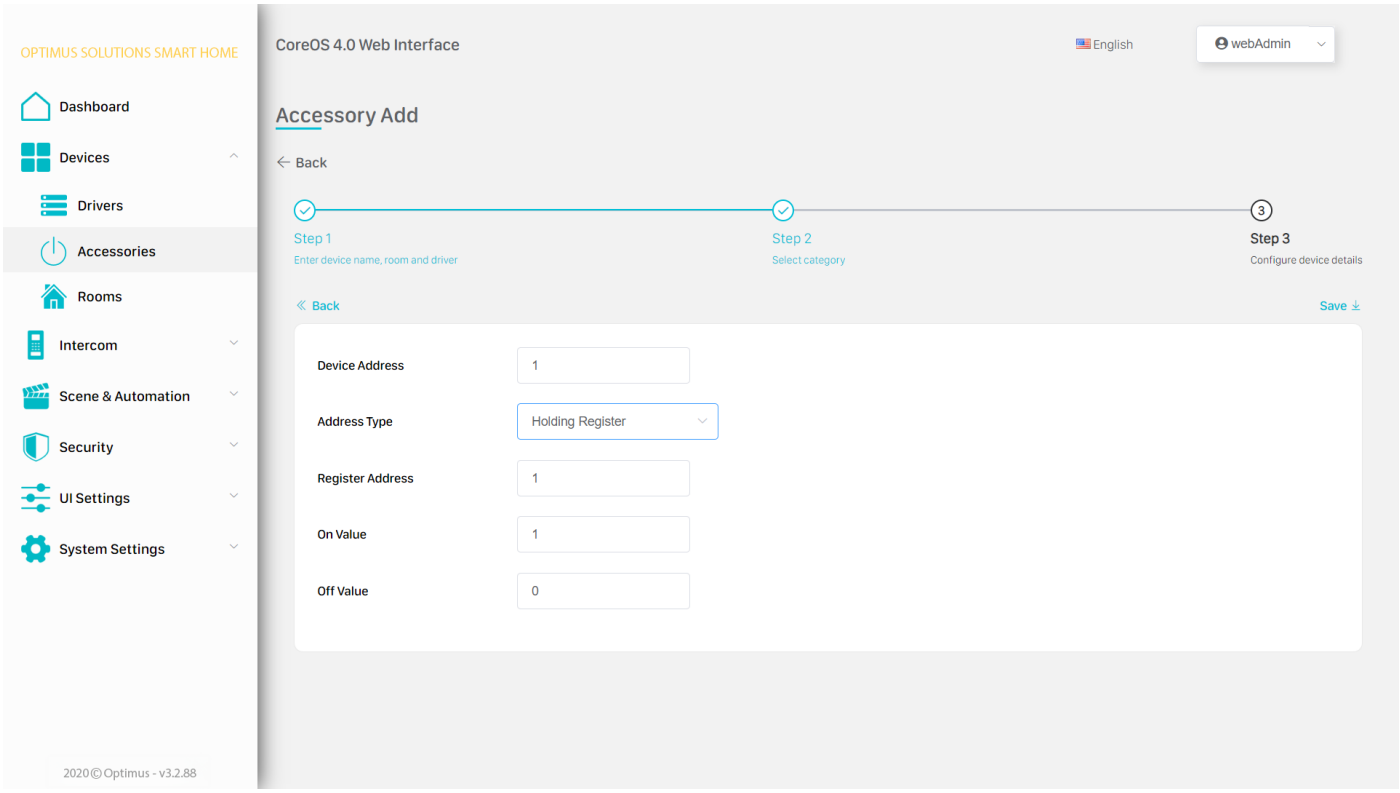


Modbus Switch Accesspry type is displayed in the user interface in the category determined by the integrator. The name, icon and status of load are displayed.

ADDING A NEW MODBUS SWITCH ACCESSORY

Follow the steps in Adding New Accessory section, to add new Modbus – Switch Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose Modbus as driver.
- In second step, choose Accessory Type as switch
- In third step, enter required information and configure functions related to switch accessory.
- Click save to apply changes.



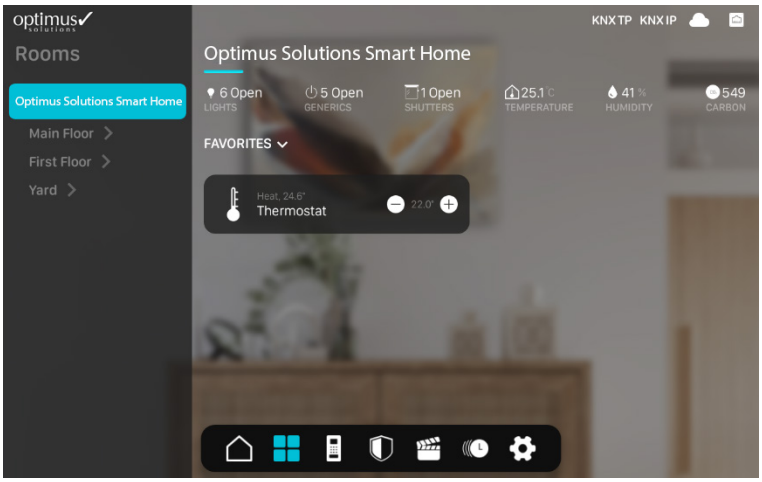
PARAMETERS

Device Address:	Modbus device address
Address Type:	Modbus device address type
Register Address:	Modbus device register address
On Value:	The data to be sent to Modbus system to turn on the load
Off Value:	The data to be sent to Modbus system to turn off the load

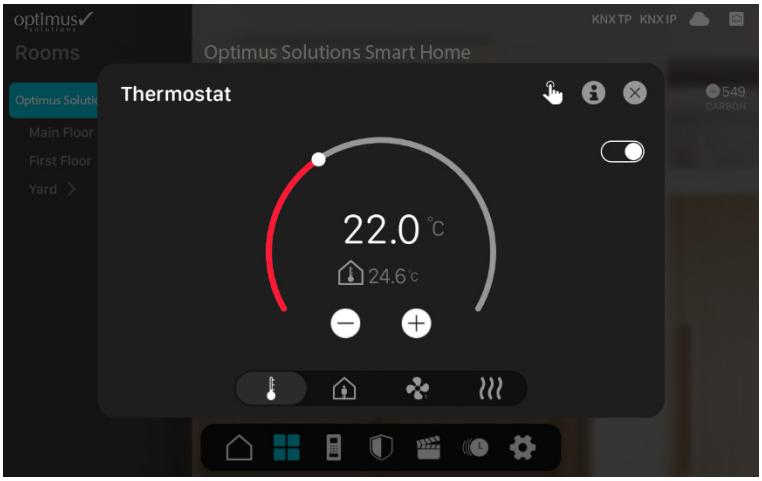
7.3.3. ADVANCED THERMOSTAT

Advanced thermostat accessory allows modbus thermostats to be controlled and monitored by Edge Touch Panel. Temperature information, fan speed, operation mode and control mode in these devices are controlled and monitored by advanced thermostat accessory.

OPTIMUS TOUCH PANEL UI VIEW



In summary view, operation mode and room temperature of thermostat is monitored. Just tap device to reach detailed view.



You can find detailed view of Thermostat Accessory in the left hand side.

AVAILABLE FUNCTION GROUPS

Since many functions are supported in the advanced thermostat accessory, these functions are grouped in the Touch Panel user interface. The names of the group can be changed and unused groups can be removed from the interface.

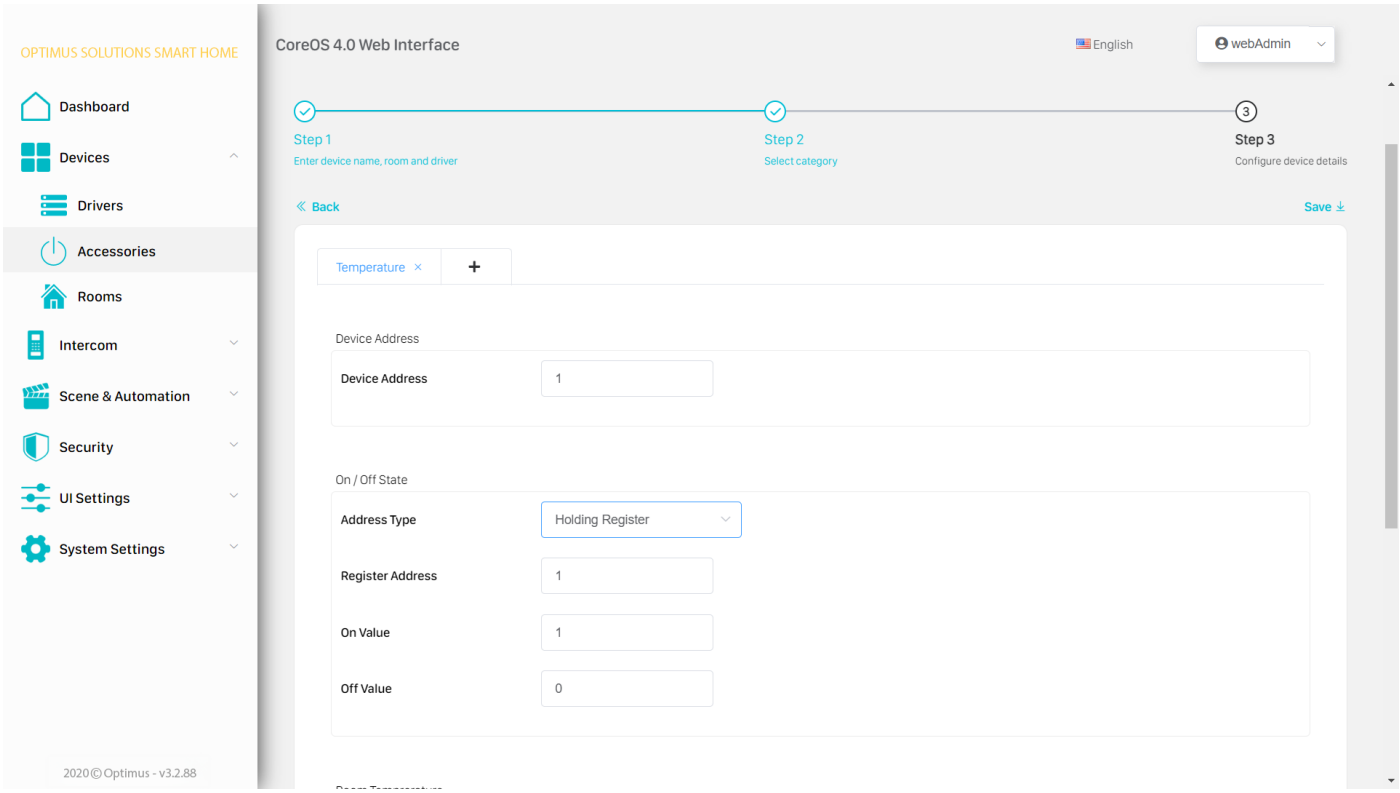
- Temperature function group
- Operation Mode function group
- Control Mode function group
- Fan Mode function group

Temperature function group is non-removable function group in Advanced Thermostat Device Type.

ADDING A NEW ADVANCED THERMOSTAT

Follow the steps in Adding New Accessory section, to add new Modbus – Advanced Thermostat Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose Modbus as driver.
- In second step, choose Accessory Type as Advanced Thermostat.
- In third step, add function groups and configure. To do this, click + button in function group bar and add requested groups. Then you can change their names to be displayed in Touch Panel user interface.



TEMPERATURE GROUP FUNCTIONS

DEVICE ADDRESS

PARAMETERS

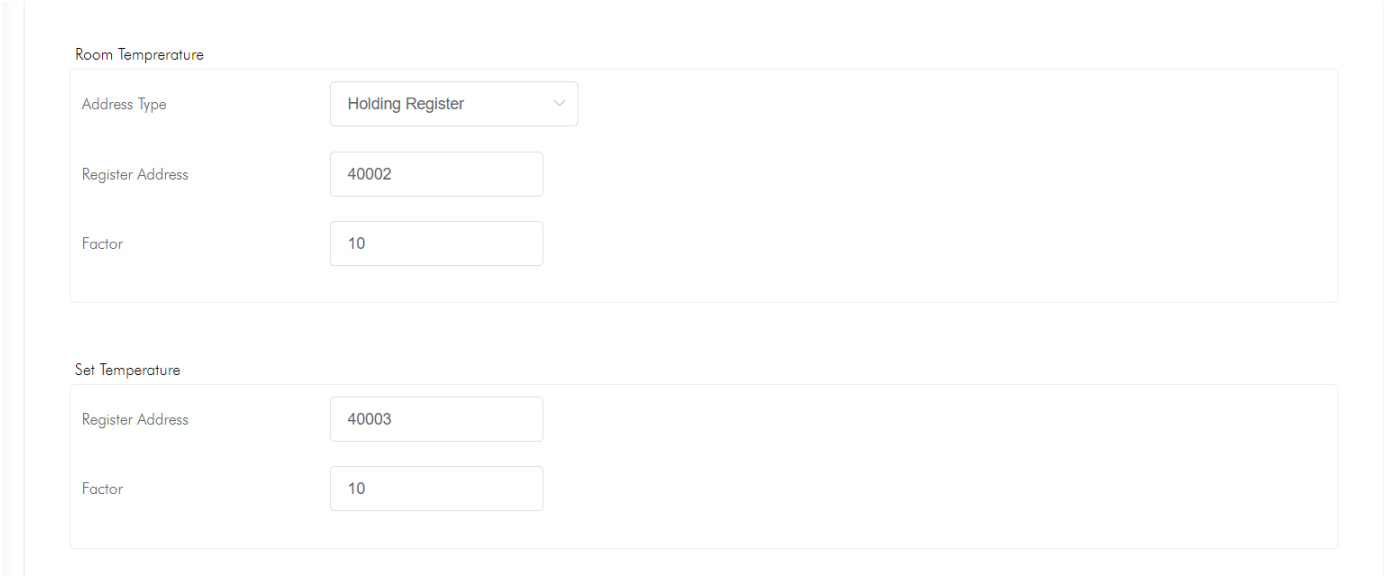
Device Address: Modbus device address

ON/OFF STATE

It is the function used to turn the thermostat on and off.

PARAMETERS

Address Type: Modbus device address type
Register Address: Modbus device register address
On Value: The data to be sent to Modbus system to turn on the thermostat
Off Value: The data to be sent to Modbus system to turn off the thermostat



ROOM TEMPERATURE:
It is the function that monitors the room temperature measured by the thermostat

PARAMETERS

Address Type: Modbus device address type
Register Address: Modbus device register address used to monitor room temperature
Factor: The multiplier of the value read by the thermostat

SET TEMPERATURE:
It is the function that adjusts the target set temperature value of the thermostat

PARAMETERS

Register Address: Modbus device register address used to control and monitor target setpoint temperature
Factor: The multiplier of the value read by the thermostat

OPERATION MODE GROUP FUNCTIONS

It is the group that contains the functions that control the operation modes of thermostat. Includes Auto, Heat, Cool, Fan and Dry functions.

You can remove functions that thermostat does not support by deselecting function.

The name and icons of the functions displayed in user interface can be edited by integrator.

PARAMETERS

Data Type:	Modbus thermostat operation mode address type
Register Address:	Modbus thermostat operation mode register address
Active Value:	The data to be sent to Modbus system to activate related operation mode

CONTROL MODE GROUP FUNCTIONS

It is the group that contains the functions that control and monitor control modes representing the preset temperature values in the thermostat. It includes Auto, Comfort, Standby, Economy and Building Protection functions.

You can remove functions that thermostat does not support by deselecting function.

The name and icons of the functions displayed in user interface can be edited by integrator.

PARAMETERS

Data Type:	Modbus thermostat control mode address type
Register Address:	Modbus thermostat control mode register address
Active Value:	The data to be sent to Modbus system to activate related control mode

FAN GROUP FUNCTIONS

It is the group that contains the functions that control the fan speed in the thermostat. Includes Auto, Lowest, Lower, Middle, Higher, Highest functions. In this way, a total of 5 fan speed levels and auto fan speed are supported.

You can remove functions that thermostat does not support by deselecting function.

The name and icons of the functions displayed in user interface can be edited by integrator.

PARAMETERS

Data Type:	Modbus thermostat fan speed address type
Register Address:	Modbus thermostat fan speed register address
Active Value:	The data to be sent to Modbus system to activate related fan speed

7.4. OPTİMUS PANEL DRIVER

Optimus Panel driver is used to copy and import the accessories of another configured Touch Panel on the same network. Thus, the already configured accessories are automatically added to the Touch Panel.
When a command is given to the accessories connected to the Optimus Panel driver, this command is sent to the copied Touch Panel first, and the copied Touch Panel transfers the necessary command to the system.

7.5. COOLMASTER NET DRIVER

Edge Touch Panel provides the opportunity to control and display the air conditioners connected to the coolmaster net device over the network via the coolmaster net driver.

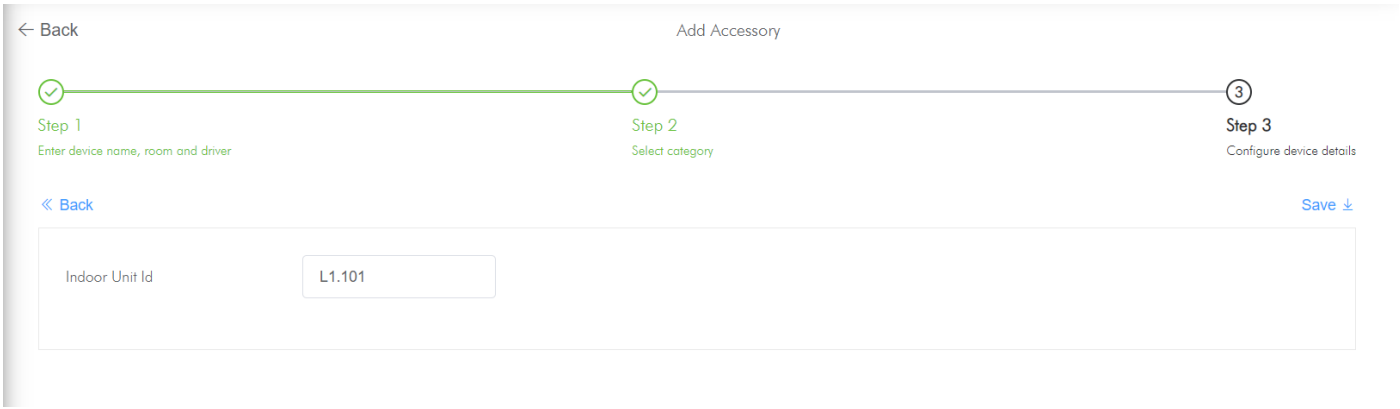
Supported Accessory Types with Coolmaster Net Driver:

- Thermostat/Air Conditioner

ADDING A NEW THERMOSTAT/AIR CONDITIONER

Follow the steps in Adding New Accessory section, to add new Coolmaster Net – Thermostat/Air Conditioner Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose Coolmaster Net as driver.
- In second step, choose Accessory Type as Thermostat/Air Conditioner.
- In third step, enter required informations.
- Click save to apply changes.



7.6. CENTER DRIVER

Edge Touch Panel provides the opportunity to control and monitor the loads connected to the center device over the network, via center driver.
When the center driver is added, it automatically imports the accessories connected to the center device.

7.7. SUPPORTED ACCESSORY TYPES WITH SIEMENS LOGO DRIVER

Edge Touch Panel includes new accessory types to control and monitor many different types of loads by digital inputs and outputs of Siemens Logo device.

Supported Accessory Types with Siemens Logo Driver:

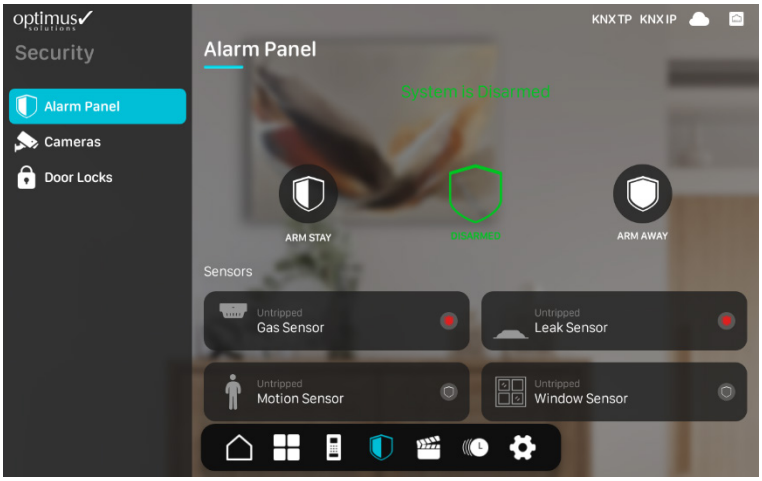
Accessory Types Related with Outputs:
- Switch
- Shutter
- Contactor
- Water valve
- Gas valve
- Elevator
- Electrical Device
- Siren

Accessory Types Related with Digital Inputs:
- Motion Sensor
- Door Sensor
- Window sensor
- Leak Sensor
- Gas Sensor
- Smoke Sensor

7.7.1. SENSOR

Sensor Accessory allows to monitor status of digital security sensors connected to digital inputs of Siemens Logo device. Sensor supports 6 different sensor types. These are motion, door, window, leak, gas and smoke sensors.

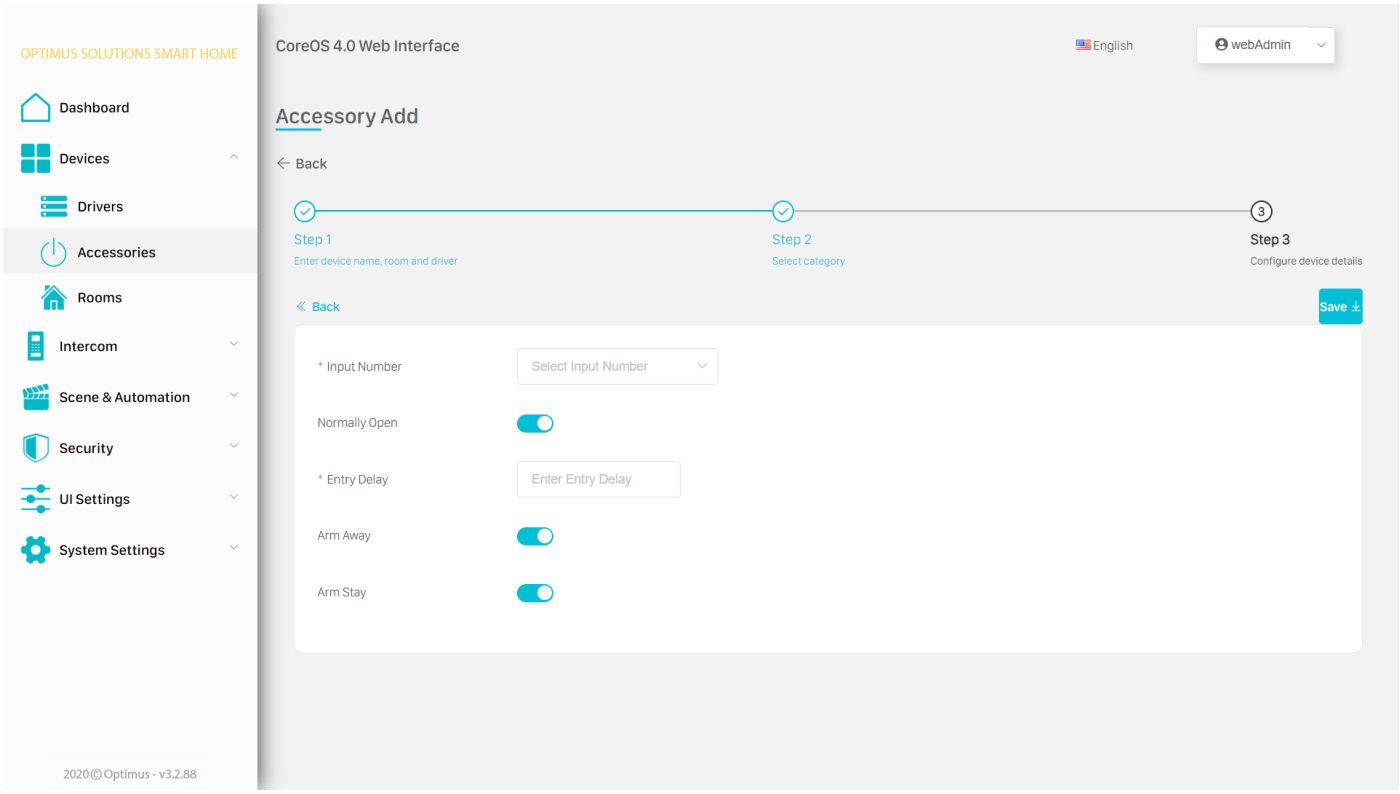
OPTIMUS TOUCH PANEL UI VIEW



Siemens Logo Sensor Accessory type is displayed in security menu of user interface. The sensor's name, icon, arming status and trigger status are displayed.

ADDING A NEW SIEMENS LOGO SENSOR ACCESSORY

Follow the steps in Adding New Accessory section, to add new Siemens Logo – Sensor Accessory:
- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose Siemens Logo as driver.
- In second step, choose Accessory Type as one of the sensor types.
- In third step, enter required information and configure functions related to sensor accessory.
- Click save to apply changes.



PARAMETERS

Input Number:	Number indicating which digital input of Siemens Logo the sensor is connected to
Normally Open:	Sensor connection type
Entry Delay:	Time to switch to violation state from the moment the sensor is armed and triggered
Arm Away:	Arming the sensor when security system switches to arm away mode
Arm Stay:	Arming the sensor when security system switches to arm stay mode

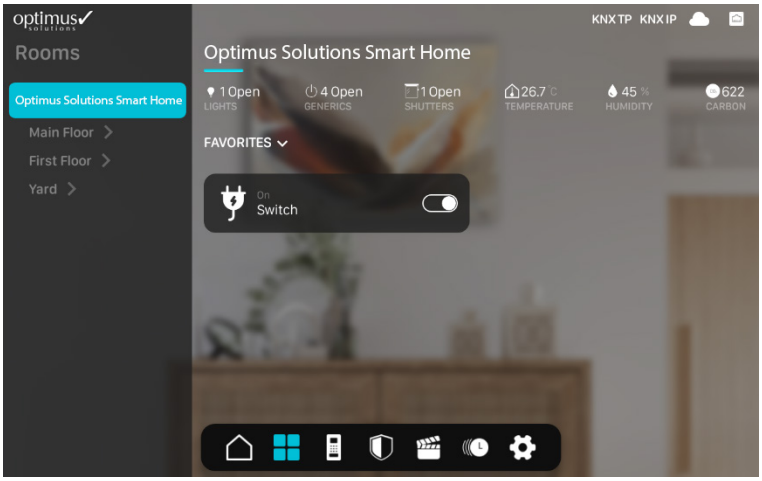
Gas, Smoke and Leak sensors are always armed (24/7)

Entry delay of Gas, Smoke and Leak sensors are always 0sec.

7.7.2. SWITCH

Switch Accessory type allows loads connected to Siemens Logo Outputs to be controlled and monitored by Edge Touch Panel. Siemens Logo outputs support 7 different load types. These are switch, contactor, water valve, gas valve, siren, electrical device and elevator.

OPTIMUS TOUCH PANEL UI VIEW

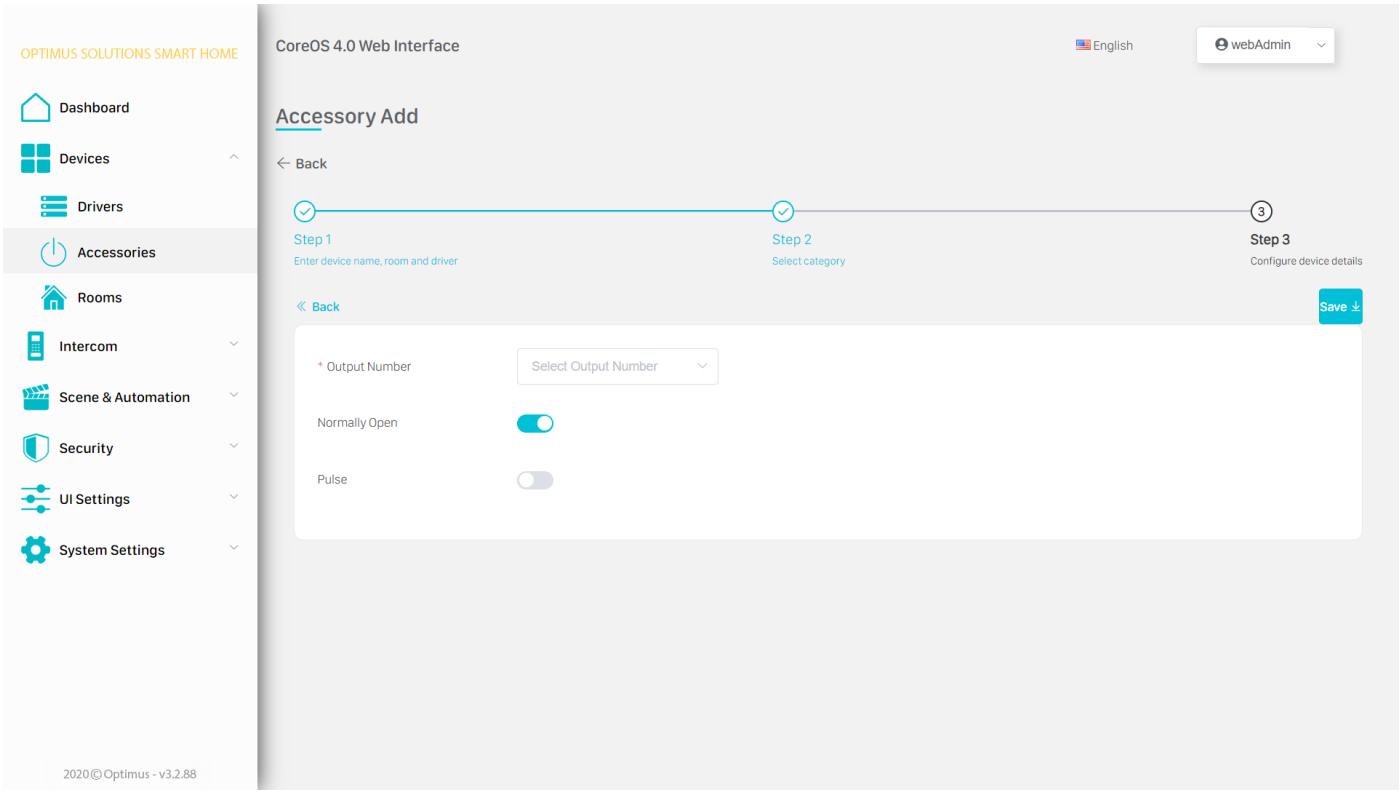


Siemens Logo Switch Accesspry type is displayed in the user interface in the category determined by the integrator. The name, icon and status of load are displayed.

ADDING A NEW SIEMENS LOGO SWITCH ACCESSORY

Follow the steps in Adding New Accessory section, to add new System I/O – Switch Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose System I/O as driver.
- In second step, choose Accessory Type as switch, elevator, electrical device, contactor, water valve, gas valve or siren.
- Choose in which category you want the accessory to be displayed in user interface. (Lights, Shutters, Climate, Generic)
- In third step, enter required information and configure functions related to switch accessory.
- Click save to apply changes.



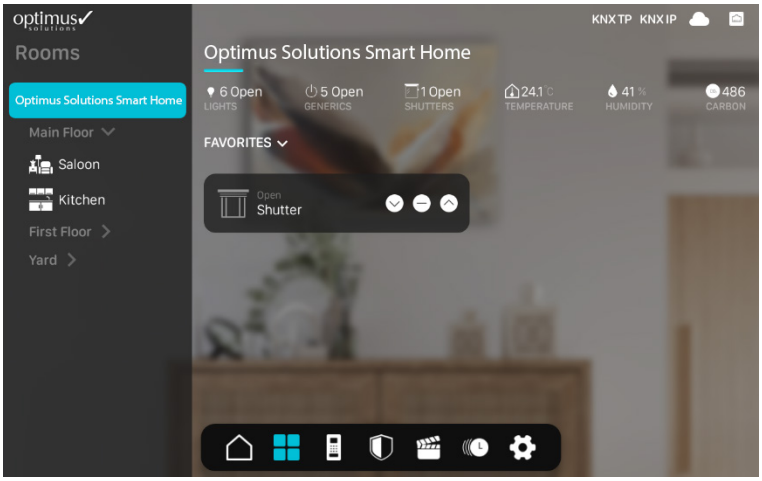
PARAMETERS

Output Number:	Number indicating which output of Siemens Logo the switch is connected to
Key Control:	Function to control of the load with the mechanical switch
Normally Open:	Switch connection type
Pulse:	The duration that the controlled load stays open and then closes

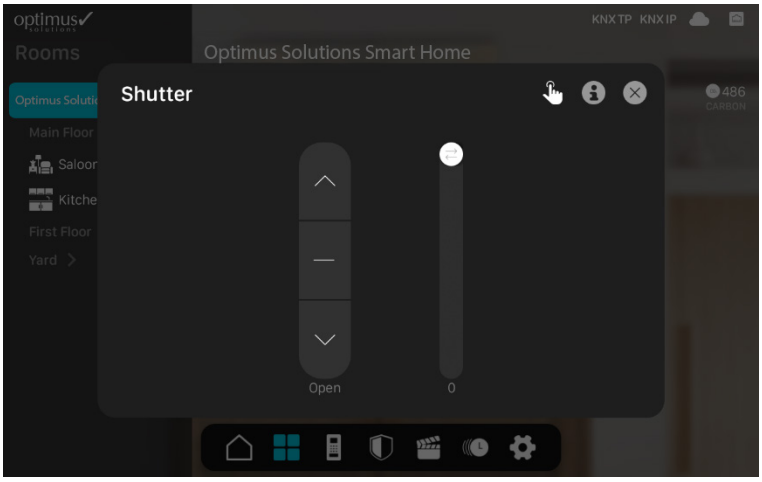
7.7.3. SHUTTER

Shutter Accessory allows to control roller shutters connected to Siemens Logo device by Optimus Touch Panels. Open/Close control and status information are controlled and monitored by this device type.

OPTIMUS TOUCH PANEL UI VIEW



Just tap device to reach detailed view.

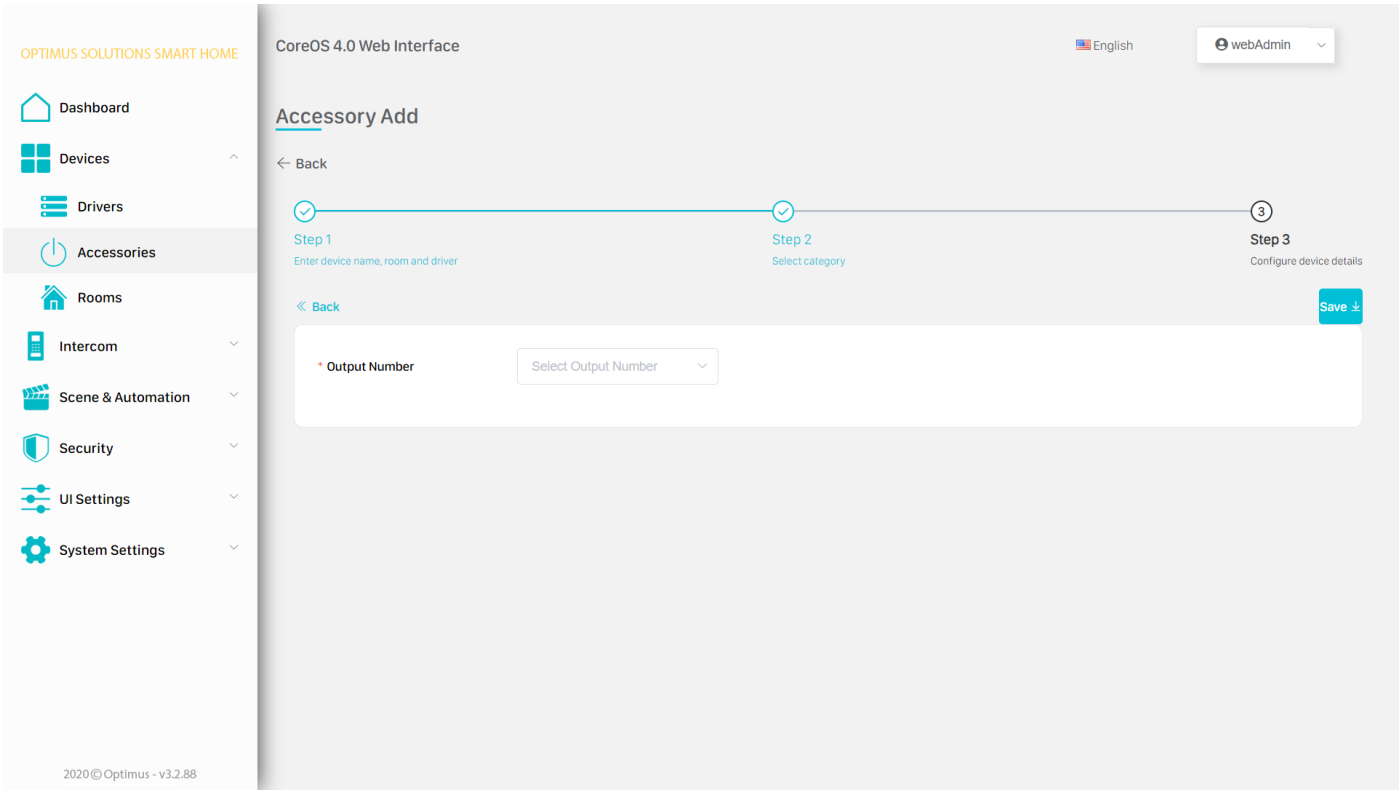


You can find detailed view of Shutter Accessory in the left hand side.

ADDING A NEW SIEMENS LOGO SHUTTER ACCESSORY

Follow the steps in Adding New Accessory section, to add new Siemens Logo – Shutter Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose Siemens Logo as driver.
- In second step, choose Accessory Type as Shutter.
- In third step, enter required information and configure functions related to shutter accessory.
- Click save to apply changes.



8. SCENES

8.1. INTRODUCTION

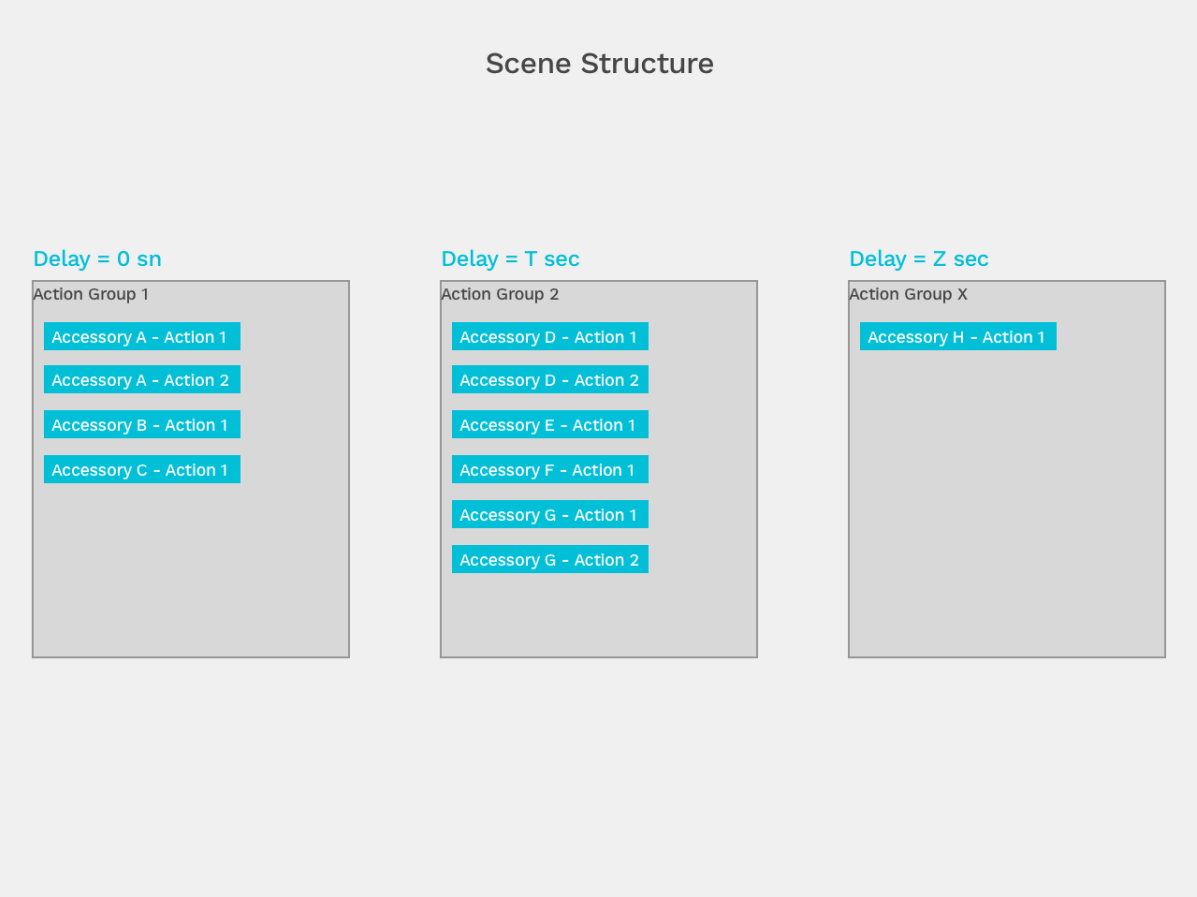
Scenes are batch operations where multiple actions of multiple accessories can be performed with a single command. Scenes can be created and edited by the end user from Touch Panel user interface or by integrator from Programming Interface.

A scene created by integrator in programming interface has following additional features:

- The scene created by integrator may be invisible in Touch Panel user interface.
- The scene created by integrator can be non-editable from Touch Panel user interface.
- The scene created by integrator can be non-deletable from Touch Panel user interface.

Scene Structure

In Edge Touch Panel, scene structure has been comprehensively arranged. Each activity performed in scene is named as Action. Actions to be performed in a scene can be initiated as soon as the scene run or after a specified delay time. For this, multiple actions is defined as Action Groups. The delay time is then determined, which determines how long after each Action Group will be performed after the scene run. In this way, multiple Actions that are initiated at different times can be performed in a single scene.



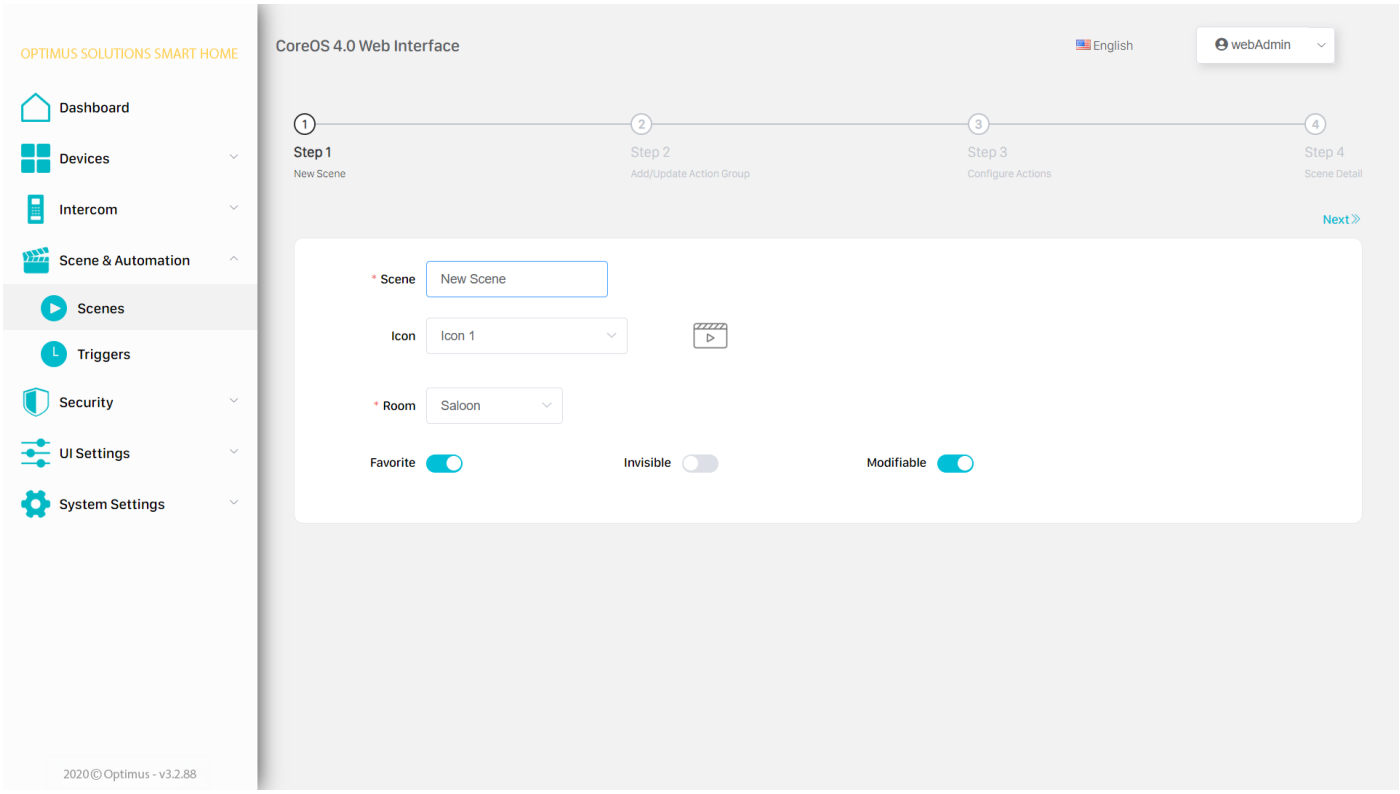
8.2 CREATING A NEW SCENE

A new scene is created in Programming Interface with Create a new Scene Wizard in 4 steps. To do this:

- Go to Scenes&Automation > Scenes
- Click button
- Create a new scene wizard will appear.

First Step

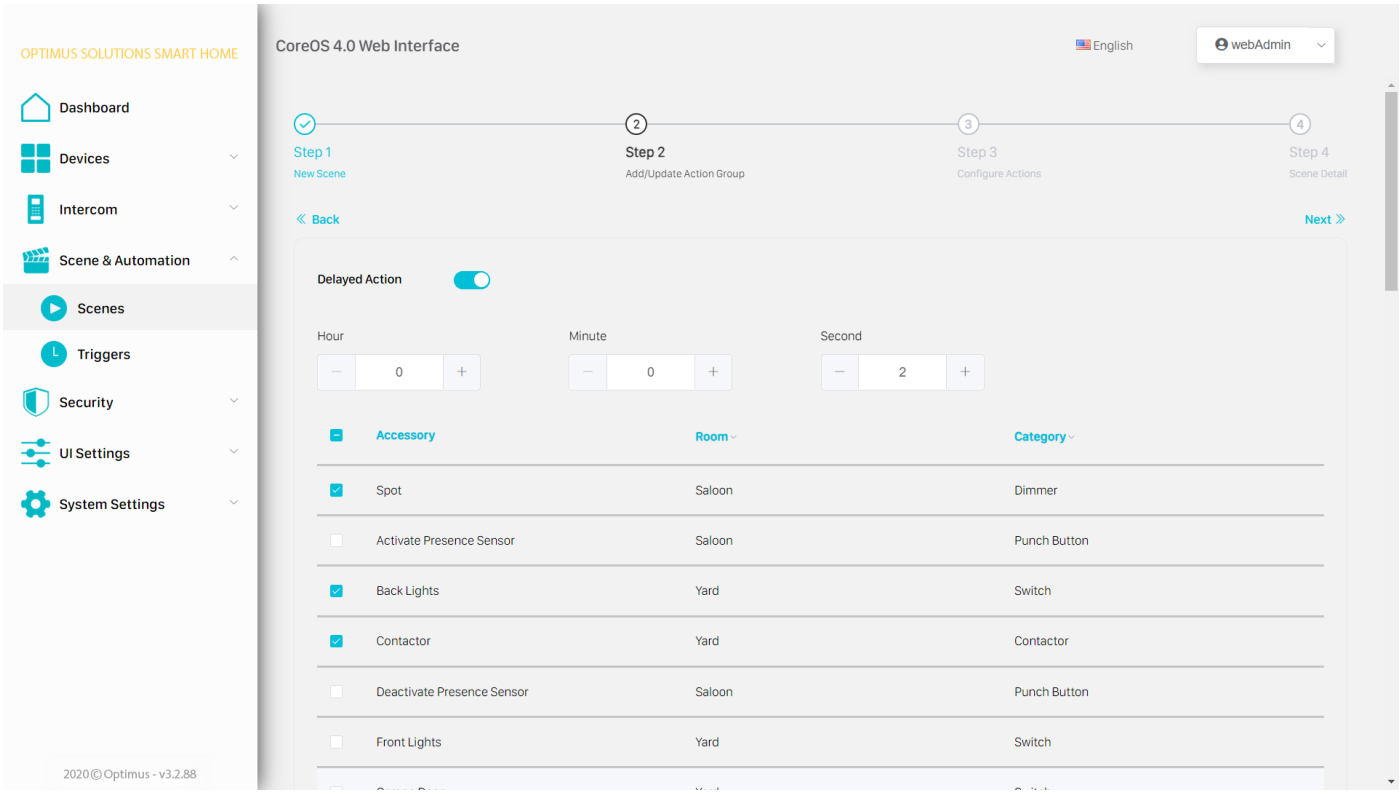
- In the first step, name, icon and the room of the scene is determined.
- Then whether the scene is a favorite, visible or invisible in user interface and whether the settings can be edited by end user is determined.
- After all, click next button to proceed.



Scene Wizard Step 1

Second Step

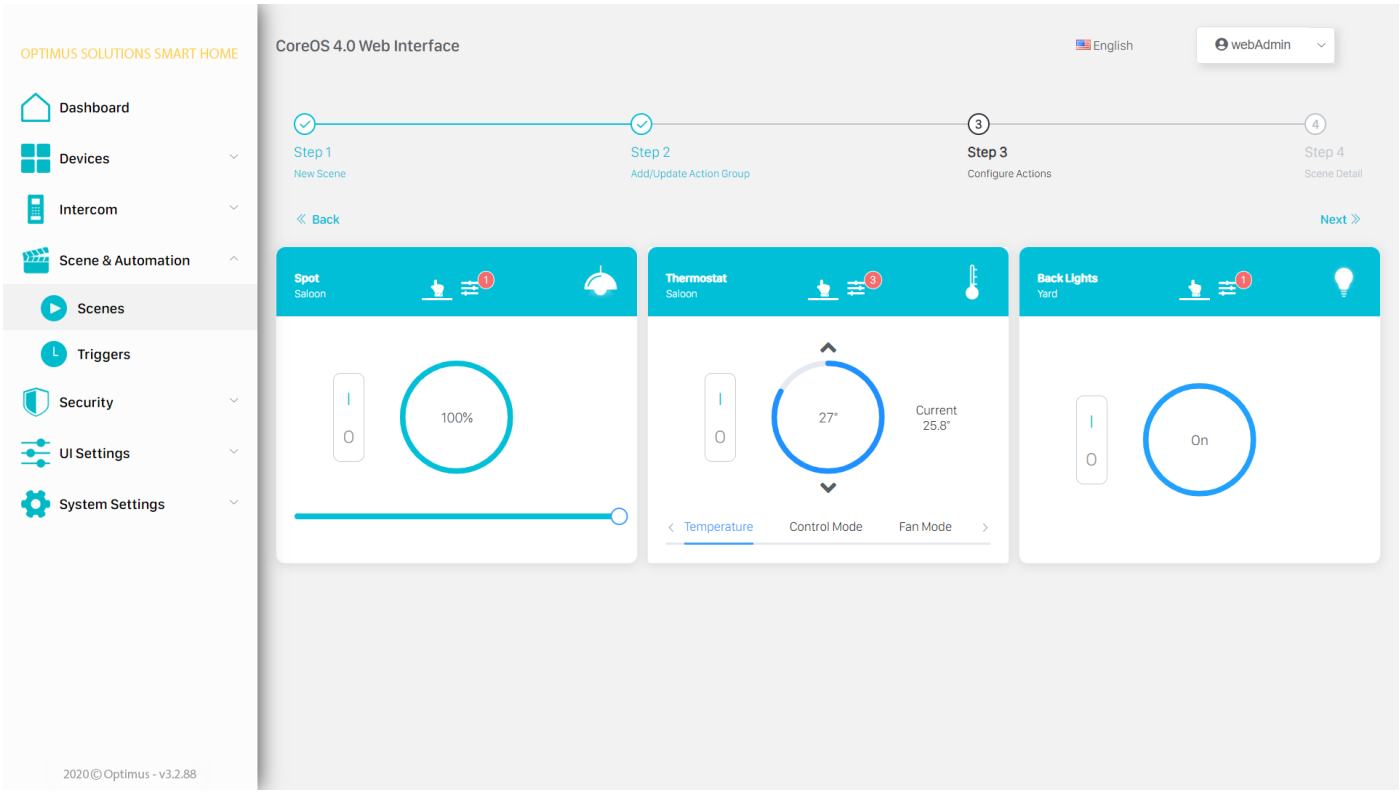
- In the second step, whether the action group is delayed or not, if there is a delay, duration of delay is determined
- Then, accessories that will perform action are selected.
- After all, click next button to proceed.



Scene Wizard Step 2

Third Step

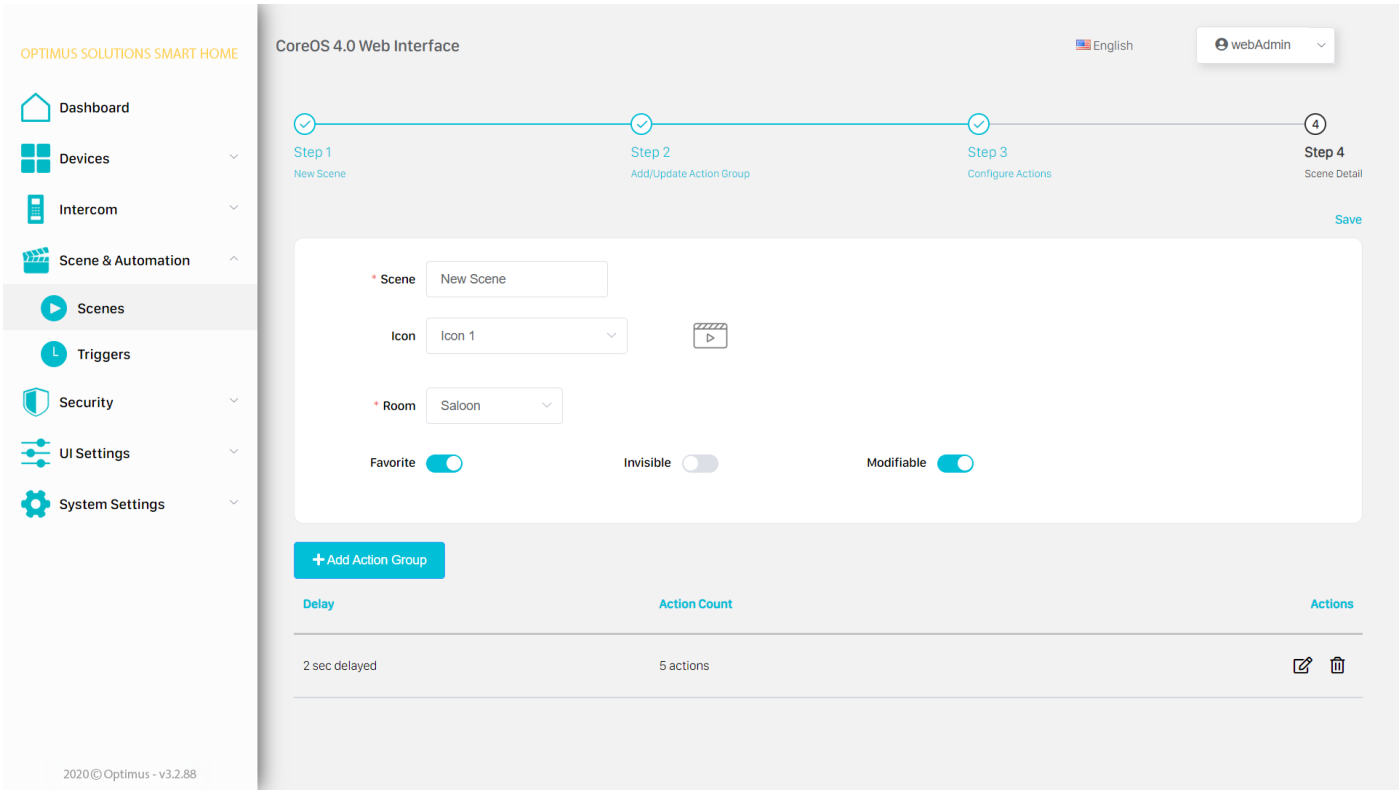
- In the third step, the actions of selected accessories are selected.
- If multiple actions are selected for an accessory, you can view the actions by clicking button on Accessory.
- After all, click next button to proceed.



Scene Wizard Step 3

Fourth Step

- In the fourth step, it is decided to complete the scene or add a new action group.
- Check scene information and make changes before saving scene.
- Created action groups are listed. These action groups can be modified or deleted.
- A new action group with different delay time can be added.
- After all, click next button to proceed.



Scene Wizard Step 4

Only one Action Group can be added to a specific delay time.

8.3. EDITING SCENES

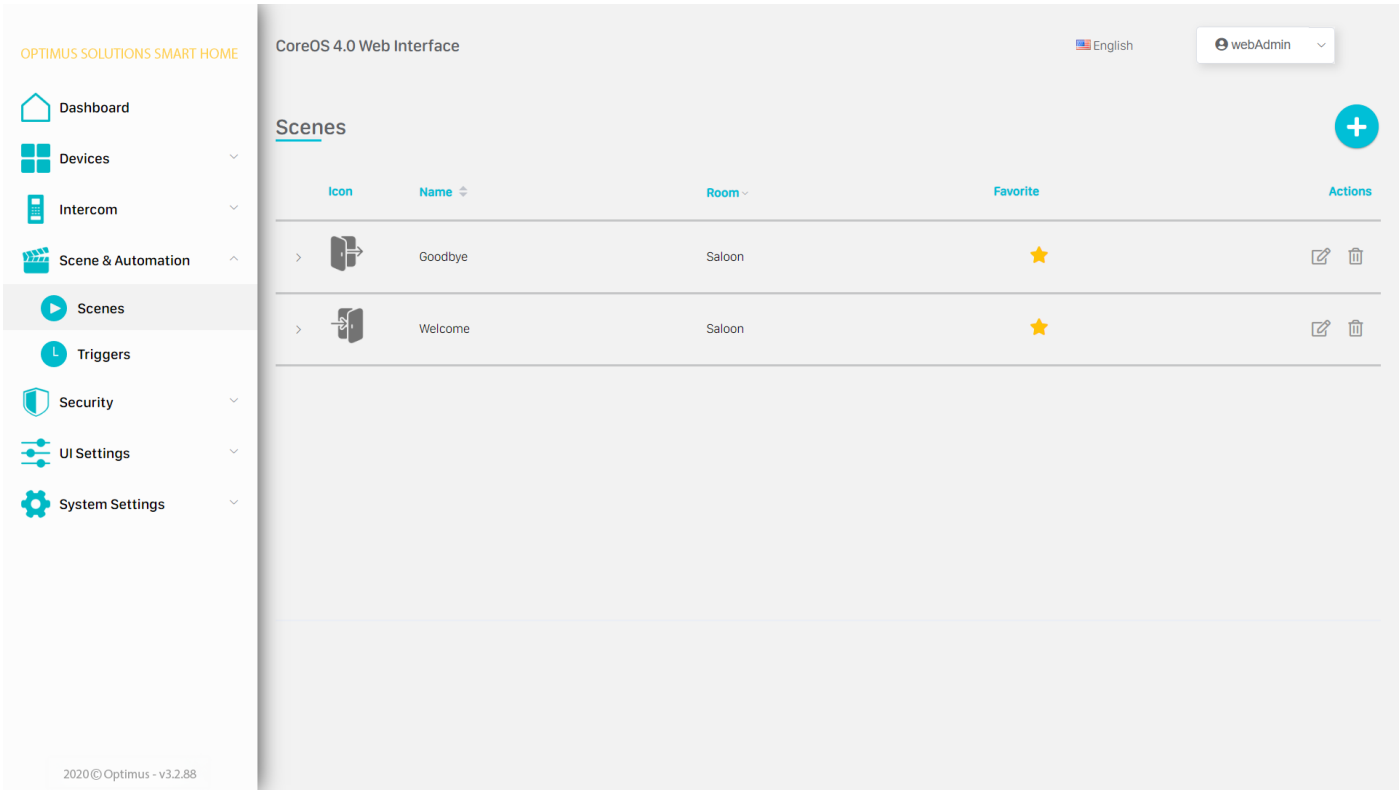
You can edit previously added scene from Programming Interface. To do this:

- Go to Scenes&Automation > Scenes
- Click button in the operations column of the scene you want to edit.
- Scene wizard will appear. Here you can edit desired information of the scene.

8.4. DELETING SCENE

You can delete a previously created scene from Programming Interface. To do this:

- Go to Scenes&Automation > Scenes
- Click button in the operations column of the scene you want to delete.
- Scene will be deleted after confirming delete process in the confirmation box.



9. TRIGGERS

9.1. INTRODUCTION

Trigger is the act of performing actions when one or more predefined conditions are met. Actions and conditions are defined by integrator in Programming Interface.

Trigger Samples

- Turn on garden lights when every day at 19:00.
- Send push notification when fire alarm occurs
- Turn off Heat Pump, when underfloor heating 1 and heating zone 2 is Off.

Types of Conditions:

Accessory Status based:
- On/Off state of all switch accessories
- On/Off and Brightness level of dimmer accessories
- Position of Shutter Accessories
- Room and Target Temperature of Thermostat accessories
- Trigger and violation status of Sensor Accessories

Security System Status and Modes based:
- Arming away status
- Arming stay status
- Armed away mode
- Armed stay mode
- Disarmed mode
- No violation status
- Entry & Exit countdown status
- Burglar alarm status
- Fire alarm status
- Smoke alarm status
- Leak alarm status

Intercom System based:
- Incoming call from a contact
- Outgoing call to a contact

Application status and doorbell based
- Doorbell is triggered
- Application exit from screen saver mode

Time based
- Every hour at specified minute
- Every day at specified time
- Every week at specified day at specified time
- Every month at specified day at specified time

One time at specified date and time in calendar

Action Types:

Accessory based
- On/Off
- Dim level
- Position level of Shutter
- Setpoint temperature and modes of thermostat
- Run Binary button and punch button

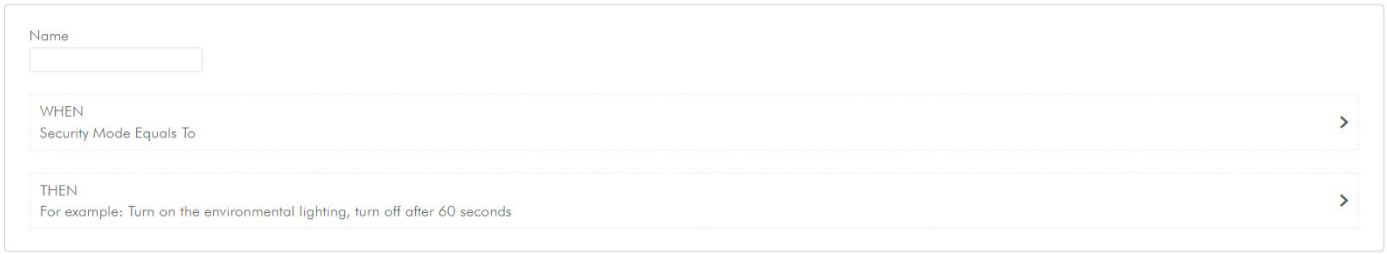
Sending value to group address of KNX bus
- Send a specific value to KNX group address

It is useful to send data to KNX bus line after a condition has been met.
Example: Switching all thermostats from heating to cooling mode on a specified date
Example: All KNX devices switch into alarm mode in case of security alarm
Run a scene
Change security system mode (disarm, arm stay, arm away)
Dial an intercom call to a contact
Send HTTP command
Send Push Notification to Core Mobile App
Example: Send "Security System disarmed" notification when security system is disarmed
Example: Send push notification when water valve is turned off.
Add delay between actions

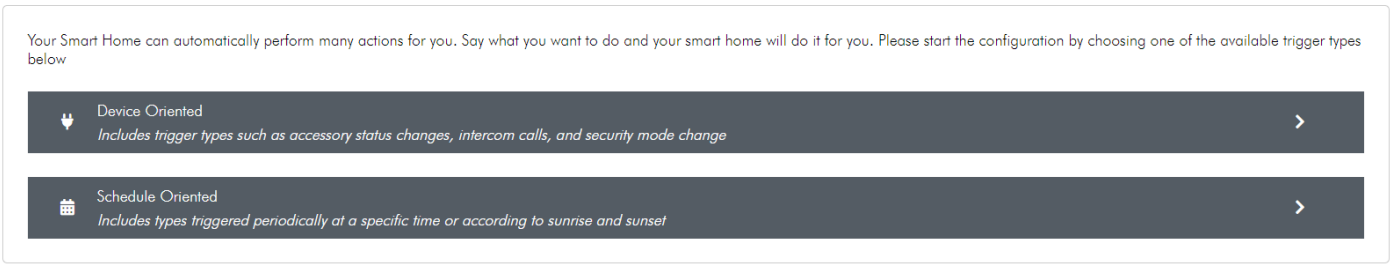
9.2. ADDING A NEW TRIGGER

In this section, you can add a trigger to Edge Touch Panel. To do this:

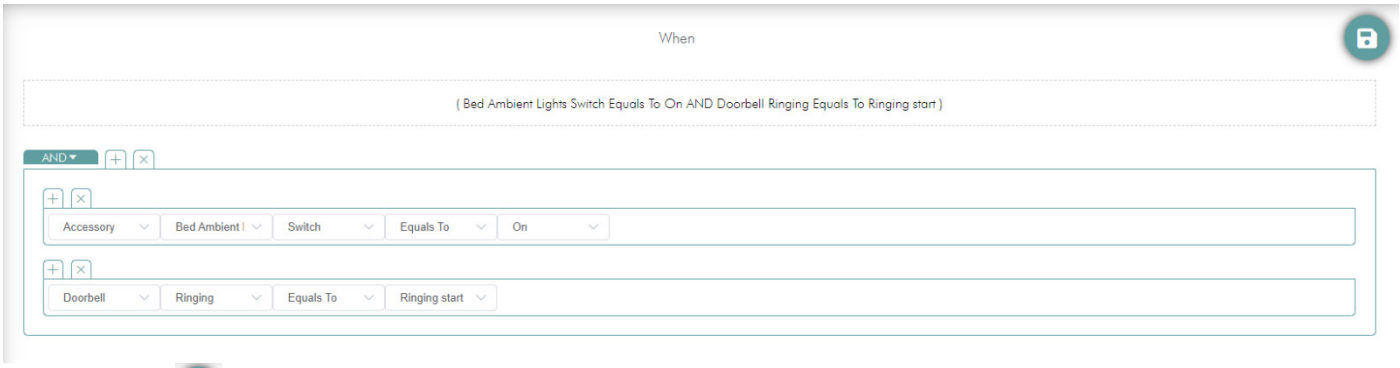
- Go to Scenes&Automation > Triggers
- Click (+) button
- Add Trigger wizard will appear
- Enter the name of trigger
- Click When button to add a condition.



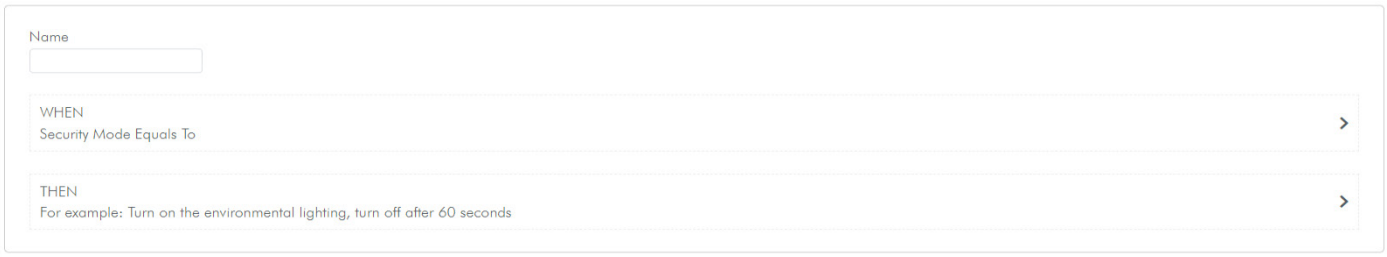
- Choose time or accessory based condition



- You can add multiple condition. You can combine conditions with AND and OR logical gates.

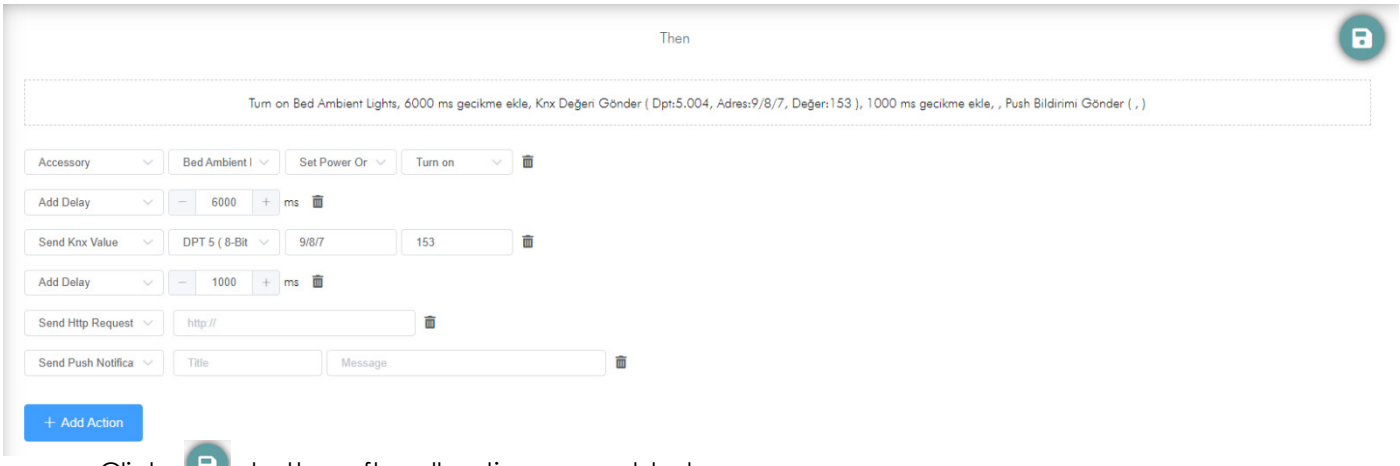


- Click button after all conditions are added
- Click Then button to add action



- You can add multiple actions to condition.

You can delay between actions.



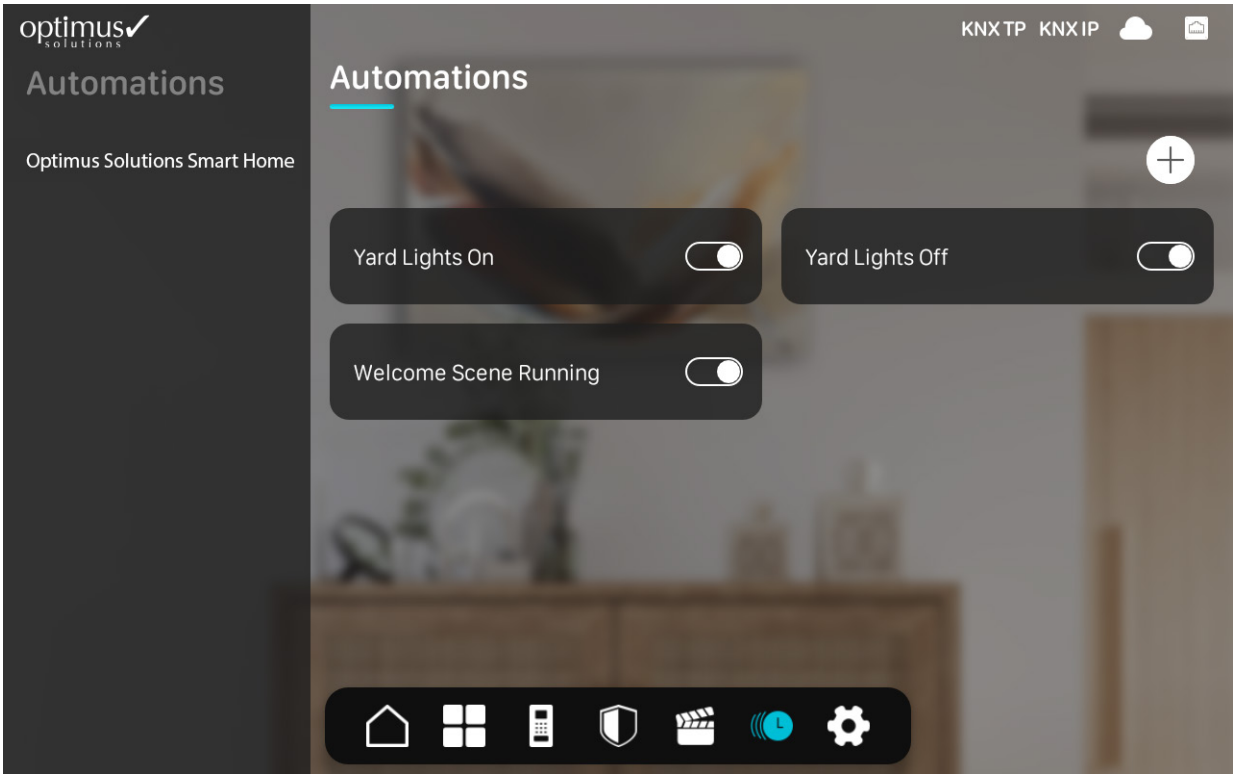
- Click button after all actions are added.
- Click button after all information are set for trigger.

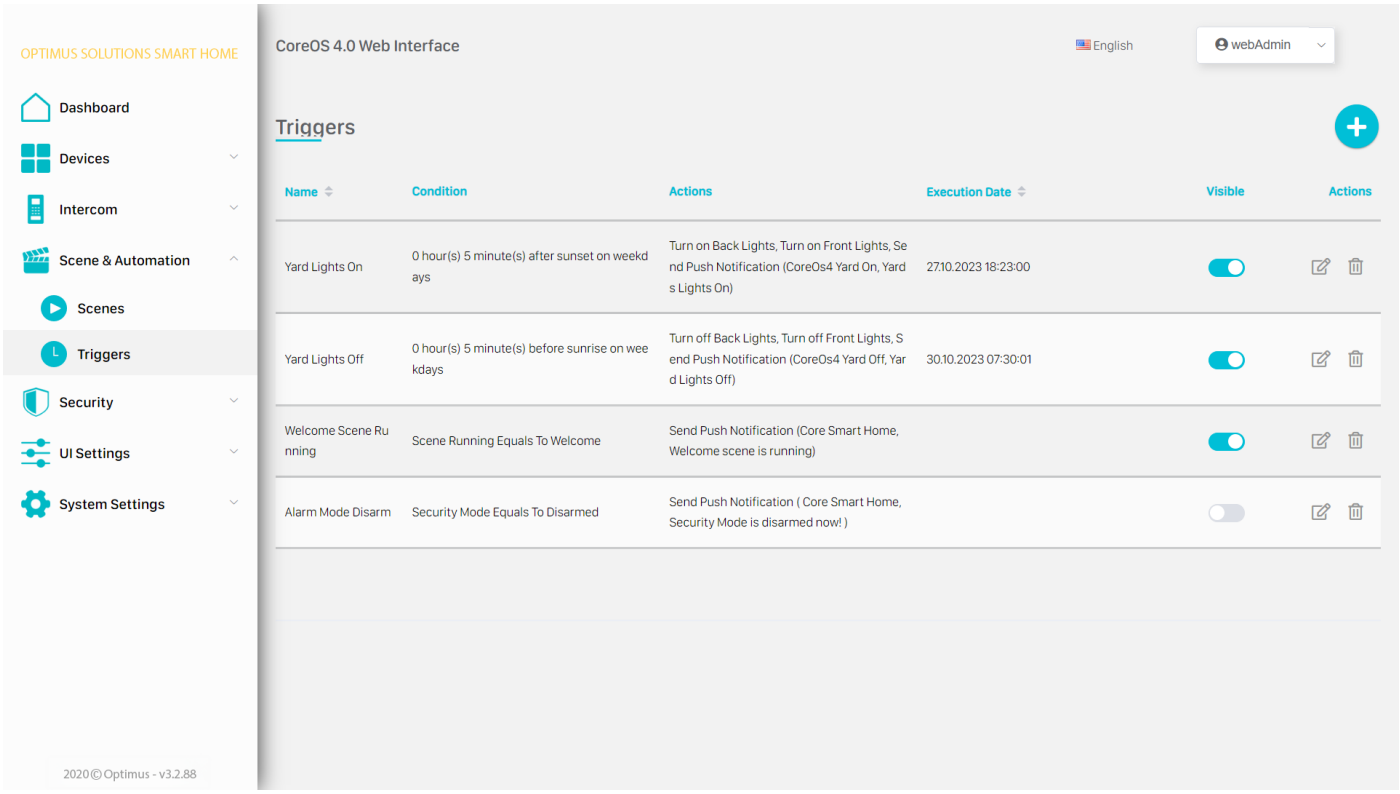
After adding a trigger, it is possible to make it visible or invisible on Touch Panel UI. Sometimes making a trigger invisible is good for end user experience. Thus, End user does not need to know a complicated trigger which works for end user's comfort.

The visible triggers created by integrator can not be edited on Touch Panel UI. End user can only get informations about the trigger. However, end user can edit a trigger created on Touch Panel UI.

The triggers created by end user appears on web interface. So when the back up is exported, back up file includes those triggers too.

If a trigger created by end user is edited via web interface, it can not be edited on Touch Panel UI anymore.





9.3. EDITING TRIGGERS

You can edit previously added triggers in Programming Interface. To do this:

- Go to Scenes&Automation > Triggers
- Click button of the trigger you want to edit in the actions column.
- Trigger wizard will appear. Here you can edit any information of the trigger

If a trigger created by end user is edited via web interface, it can not be edited on Touch Panel UI anymore.

9.4. DELETING TRIGGERS

You can delete previously added triggers in Programming Interface. To do this:

- Go to Scenes&Automation > Triggers
- Click button of the trigger you want to delete in the actions column.
- Trigger will be deleted after confirming delete process in the confirmation box.

10. INTERCOM

10.1 INTRODUCTION

Edge Touch Panels offer IP Based intercom calls using SIP 2.0 communication protocol. Highlights:

- SIP 2.0 peer-to-peer intercom calls can be generated without need of SIP Server.
- Touch Panels can be added as a user to SIP Server, if a SIP Server is used in the project
- Automatic Contacts synchronization
- Shortcut functions available during calls
- Do not disturb mode
- Detailed view of call history
- Forwarding of incoming calls coming to Touch Panel to mobile app when call is not responded in a specified period

Automatic Contacts Synchronization

Edge Touch Panels can recognize each other with multicasting technology when connected to same local network. In this way, Optimus Touch Panels automatically registered to each other's contacts. It facilitates commissioning process, especially in large scale residential projects.

Multicasting: It is a technology of transporting an information to more than one point using the least bandwith.

There should be no special configurations on the network to block multicasting packets (such as firewall or special router configurations)

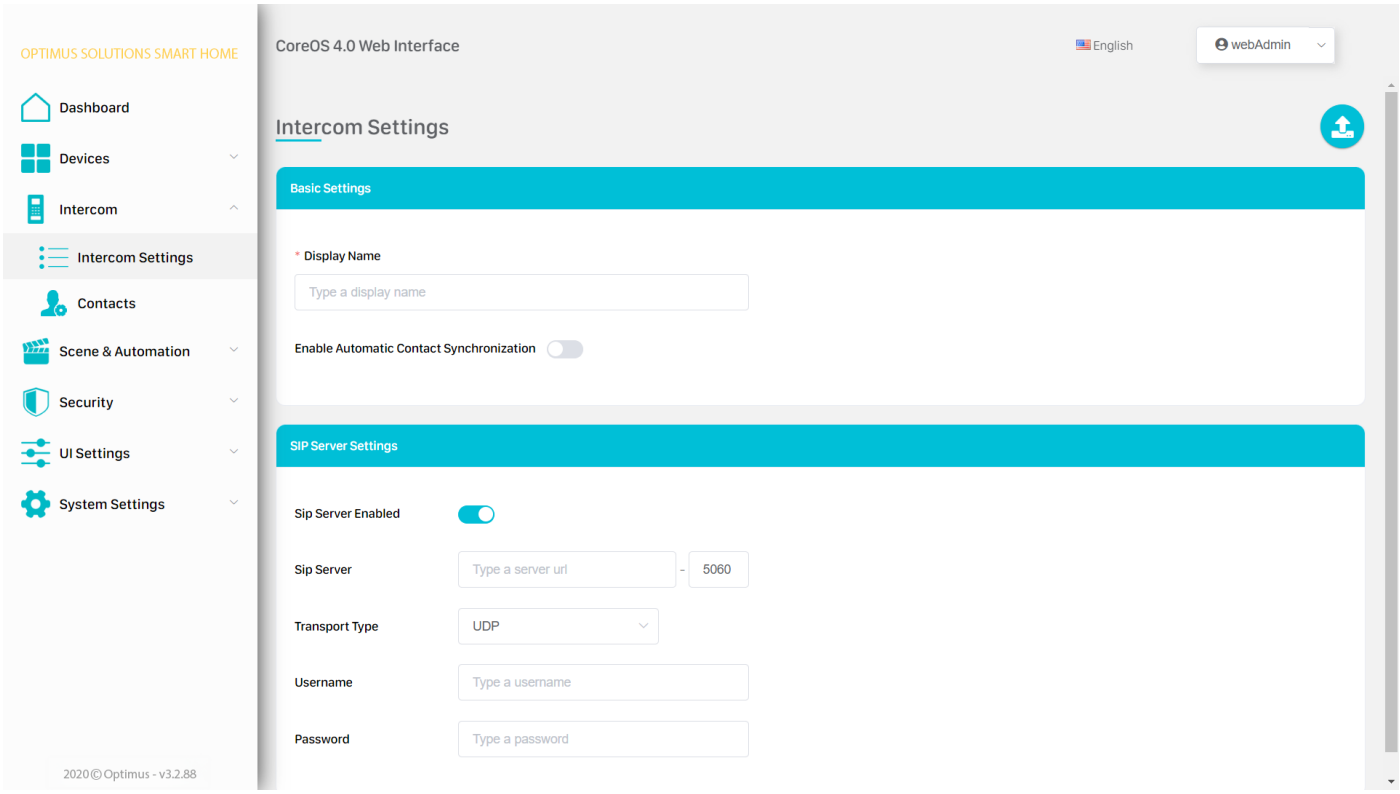
10.2 INTERCOM SETTINGS

This is the section where intercom settings of Touch Panel are configured. To do this:

- Go to Intercom > Intercom Settings
- Enter the name you want Touch Panel to be displayed in the contacts of other Touch Panels
- If you want Touch Panel to be displayed in Contacts of other Touch Panels, you can turn-on "Automatic Contact Synchronization".
- Click button to save changes.

SIP Server Settings (If A SIP Server is used):

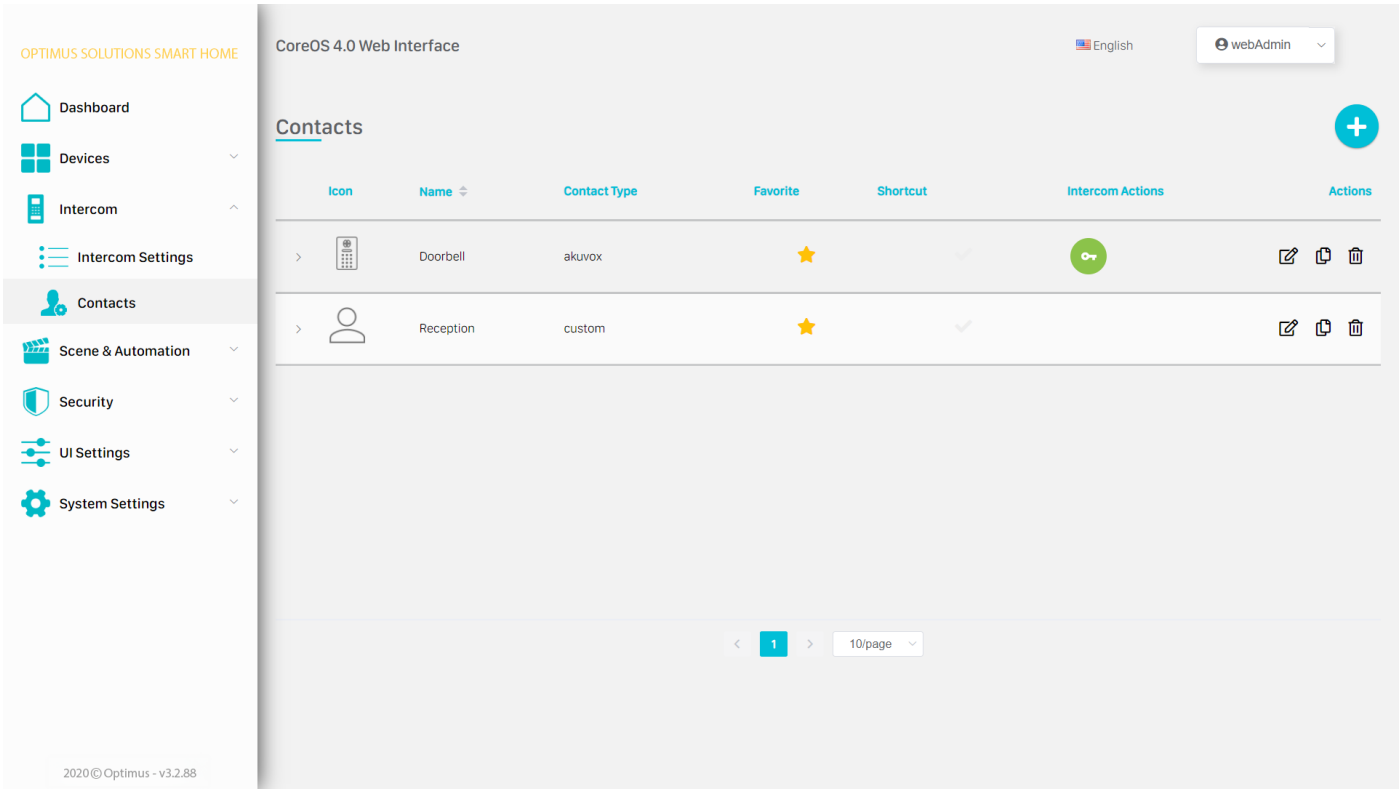
- Enter IP address of SIP Server
- Select Transport type
- Enter username and password created for Touch Panel on SIP Server.



10.3 ADDING NEW CONTACT

It is the section where contact is added to intercom contacts of Touch Panel. To do this:

- Go to Intercom > Contacts
- Click (+) button to add a new contact.



Intercom Contacts Page

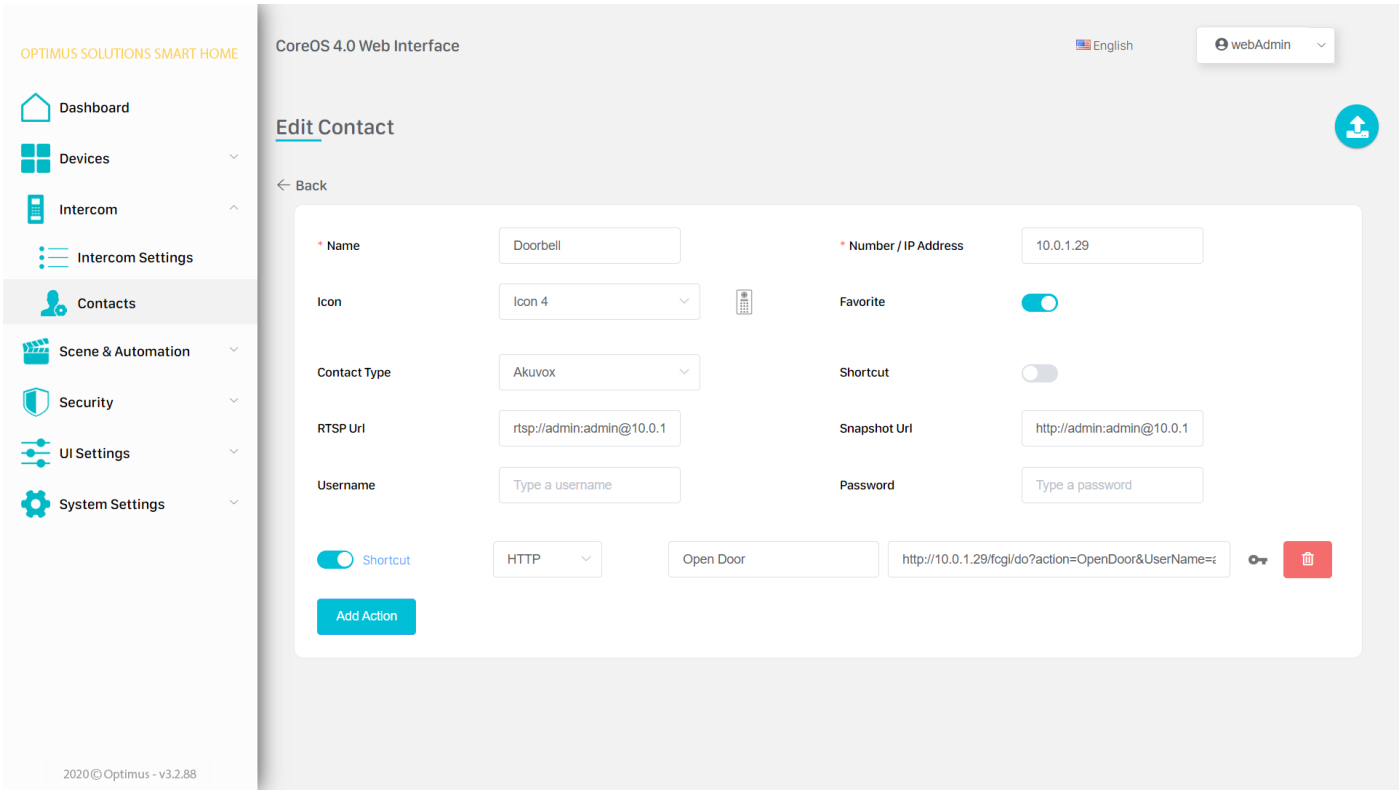
- On the opening page, enter name, icon and IP address of the Contact.
- Choose Contact Type.
- If contact is an outdoor station and has a camera, enter RTSP and Snapshot URL.

RTSP URL is used to display camera before call is answered when a call received from outdoor station.

When the call is answered, video received from RTSP URL is interrupted and video and audio are received over SIP protocol.

Snapshot URL is used to display the picture of visitor at missed calls in call history.

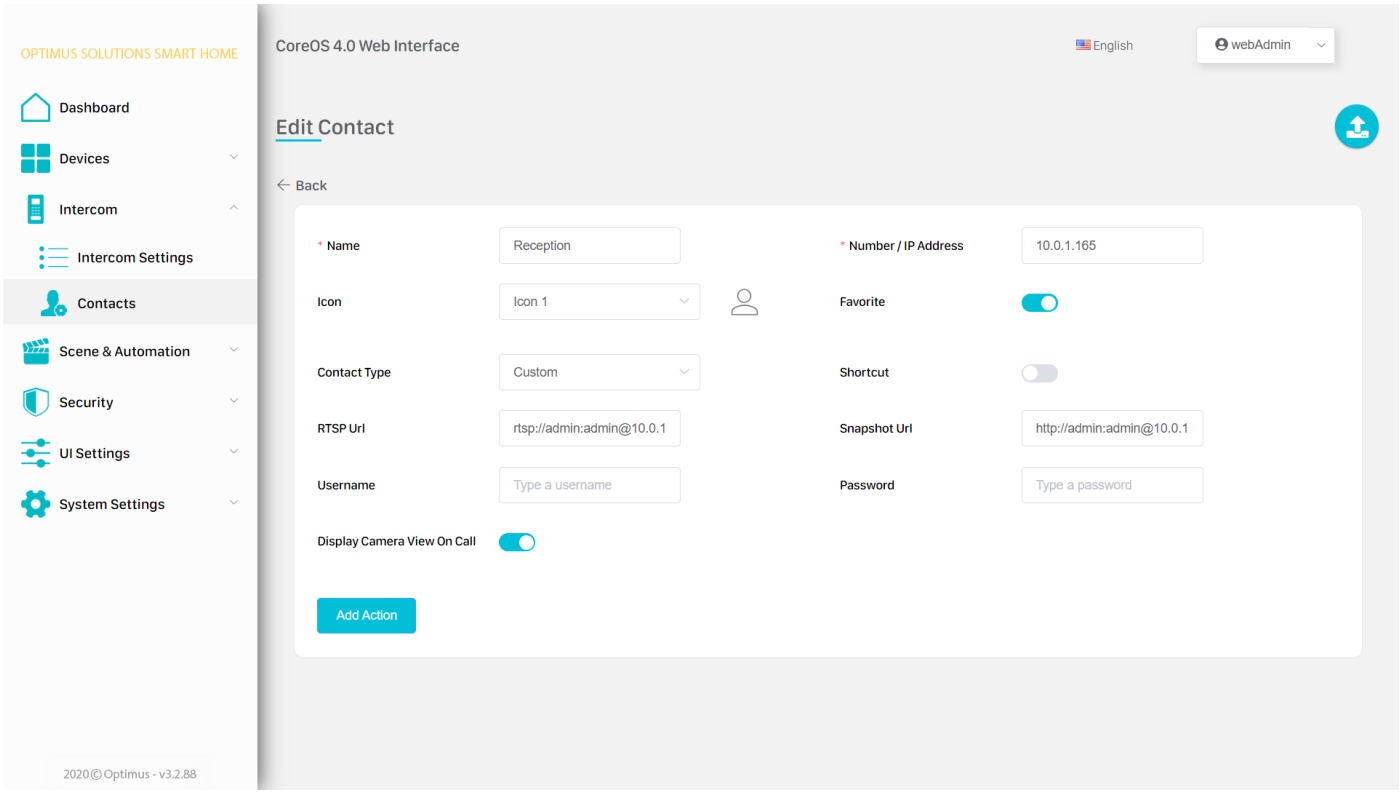
- If you want to add an action for contact, click add action button. Action types that can be added are DTMF command, HTTP request and an accessory action of Edge Touch Panel. These actions can be used during call with the contact.
- If you want to use these actions without call, you can mark them shortcut. In this case, action is displayed in the Intercom Shortcuts Widget on the dashboard of user interface.
- Click button to save changes.



Intercom Contacts Add / Edit

Contact Type: Custom

- This type of contact is used when it is wanted to receive video from an external source.
- By checking "Display camera view on call", the video received during the call will continue via RTSP URL



10.4. EDITING CONTACTS

In this section, you can edit previously added contacts. To do this:

- Go to Intercom > Contacts
- Click button of the contact you want to edit in operations column
- You can edit contact information on this page.

10.5. DELETING CONTACTS

In this section, you can delete previously added contacts. To do this:

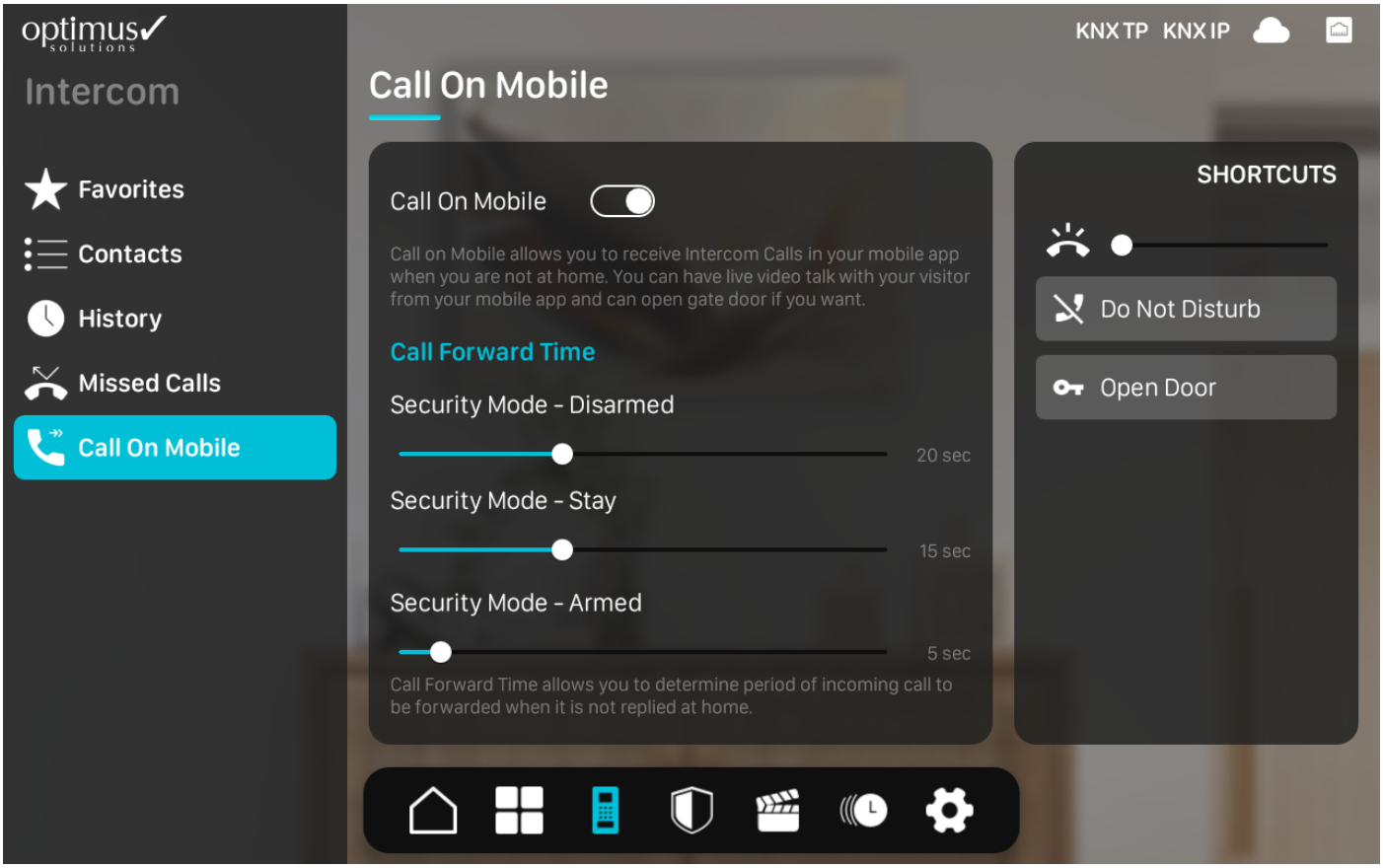
- Go to Intercom > Contacts
- Click button of the contact you want to delete in operations column
- Contact will be deleted after confirming delete process in the confirmation box.

10.6. CALL ON MOBILE

Edge Touch Panels offer the opportunity to forward incoming calls to mobile phones via the mobile application if the incoming calls are not answered on the touch panel within the specified time.

To activate call on mobile;

- Go to Intercom > Call On Mobile page.
- Activate Call On Mobile.
- Determine how long after call forwarding will be made according to the security mode.



- Go to Settings > Call on Mobile on Core Mobile Application and activate it.

11.SECURITY PANEL

11.1. INTRODUCTION

You can control and monitor sensors and IP Cameras you have defined on Touch Panel and receive push-notifications with advanced Security Panel in Optimus 4.0.

You can also add KNX Sensors to Security System as you can connect security sensors to digital inputs of Touch Panel.

Three different Security modes are defined to control sensors defined on Touch Panel:

- Arm Away
- Arm Stay
- Disarm

Security sensors can be defined in different types in Edge Touch Panels:

- Motion Sensor
- Door Sensor
- Window Sensor
- Leak Sensor
- Gas Sensor
- Smoke Sensor

11.2 ADDING NEW SENSOR

A new sensor can be added in devices seciton

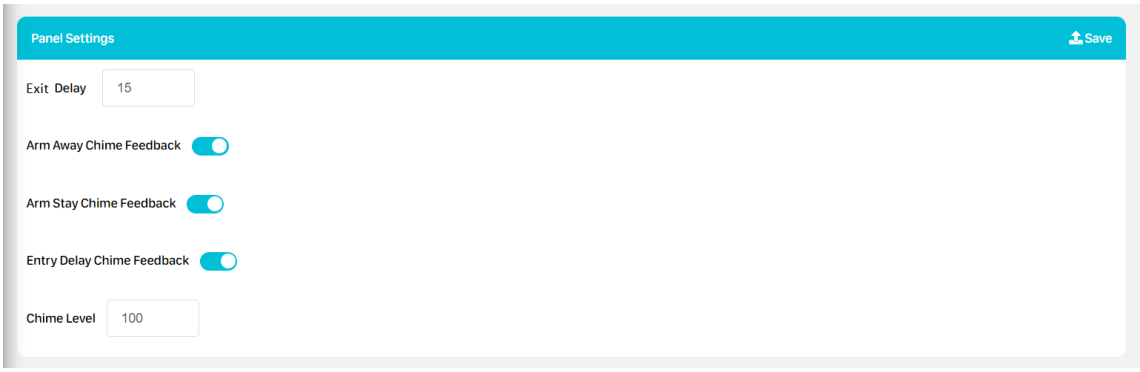
- Add a new accessory.
- Select the related driver.
- If accessory type is selected as sensor, accessory will be displayed in security panel menu.

11.3 SECURITY PANEL SETTINGS

Panel Settings

Security Panel settings are configured in this section. To do this:

- Go to Security > Panel Settings
- Enter Exit Delay as secs.
- If you want to hear countdown notification while security panel is arming away, turn on "Arm away sound"
- If you want to hear countdown notification while security panel is arming stay, turn on "Arm stay sound"
- If you want to hear warning notification of waiting password status, turn on "Entry delay sound".
- Enter sound level for security notifications between 0-100.
- Click Save to save changes.



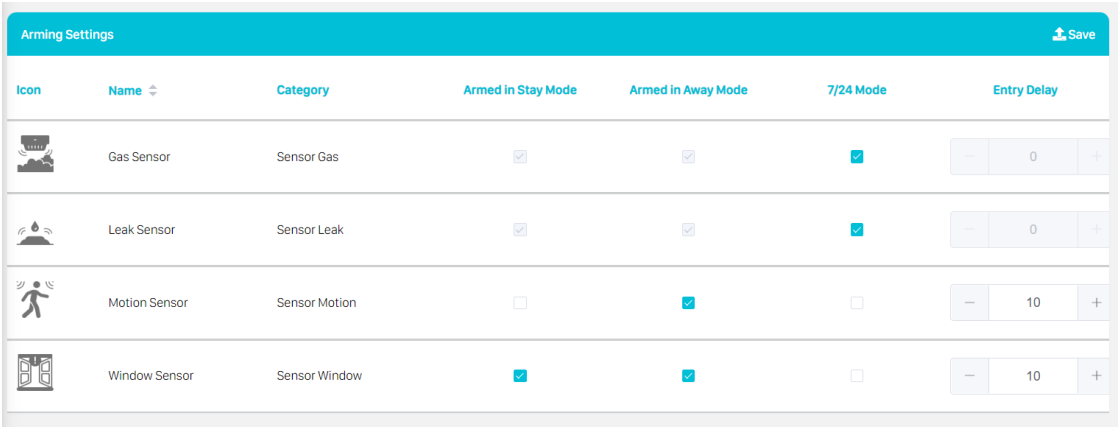
Arming Settings

In this section, arming status of sensors are determined via security system modes. To do this:

- . Go to Security > Panel Settings
- Select in which security system mode the sensors will be armed.

Arming sensor 24/7 means sensor is always armed in Armed away, Armed stay and also disarmed modes.

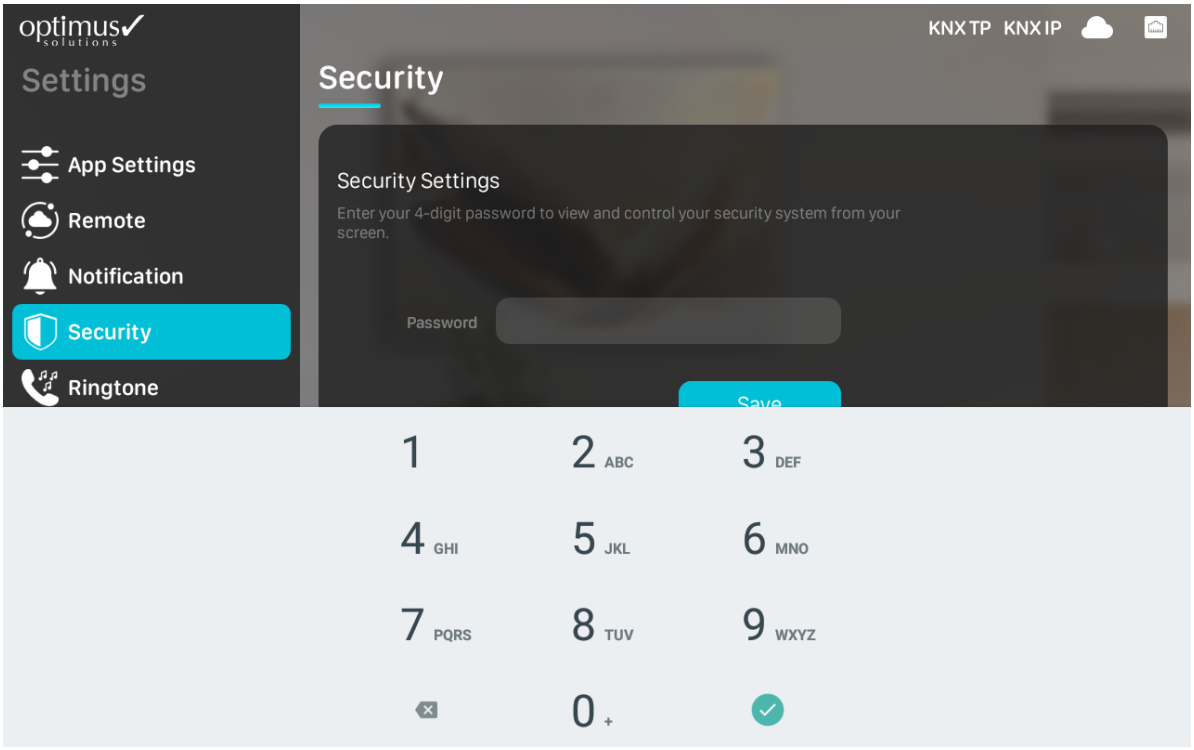
- Different entry delays van be defined for each sensor. For this, Entry delay value in the sensor list must be entered in seconds.
- Click save to apply changes.



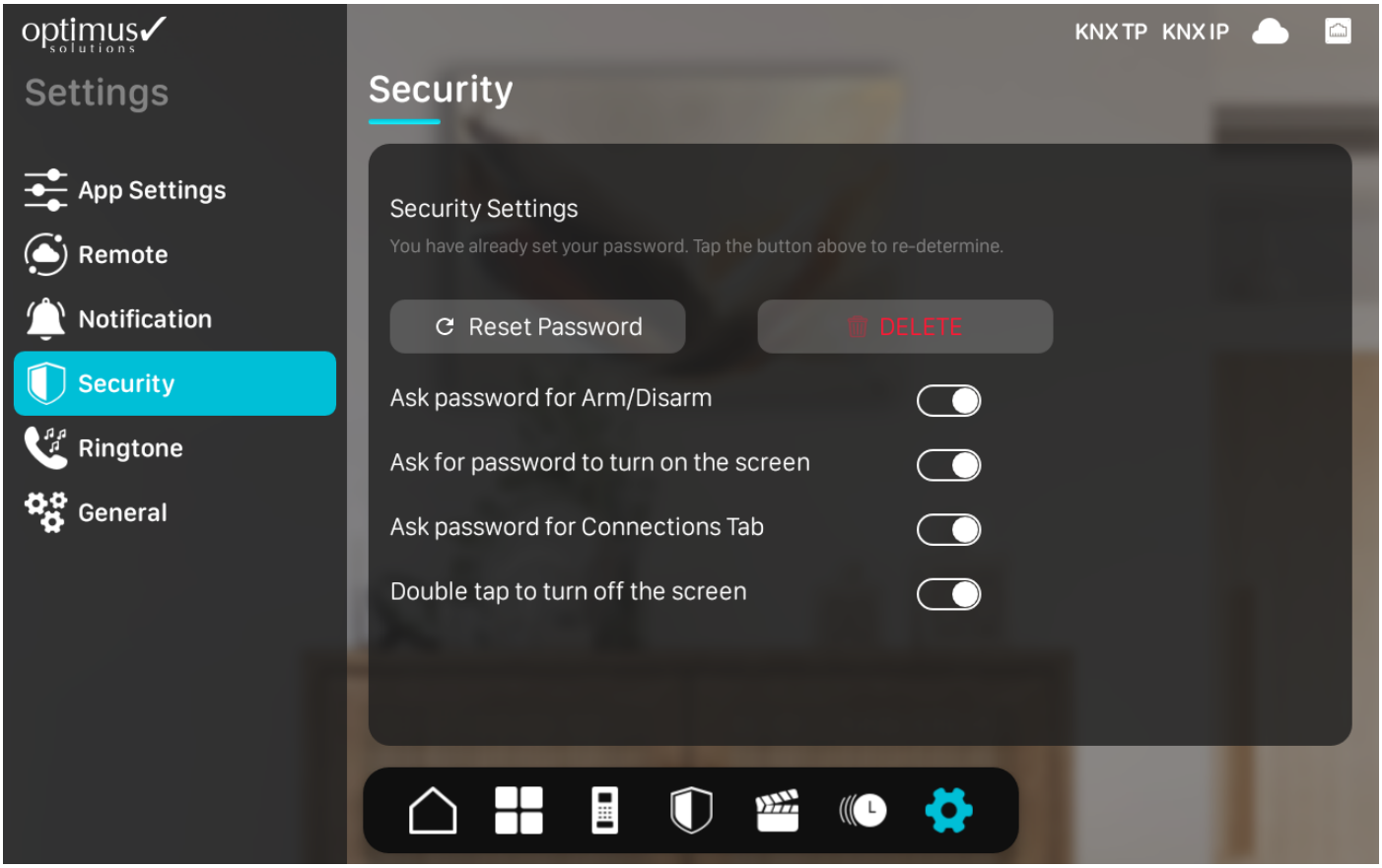
Settings to be made on Touch Panel UI

The password for the security system must first be set on the Touch Panel UI. For this:

- Go to Touch Panel UI > Settings > Security
- Enter the password which has been determinated in the Password section and press the save button.



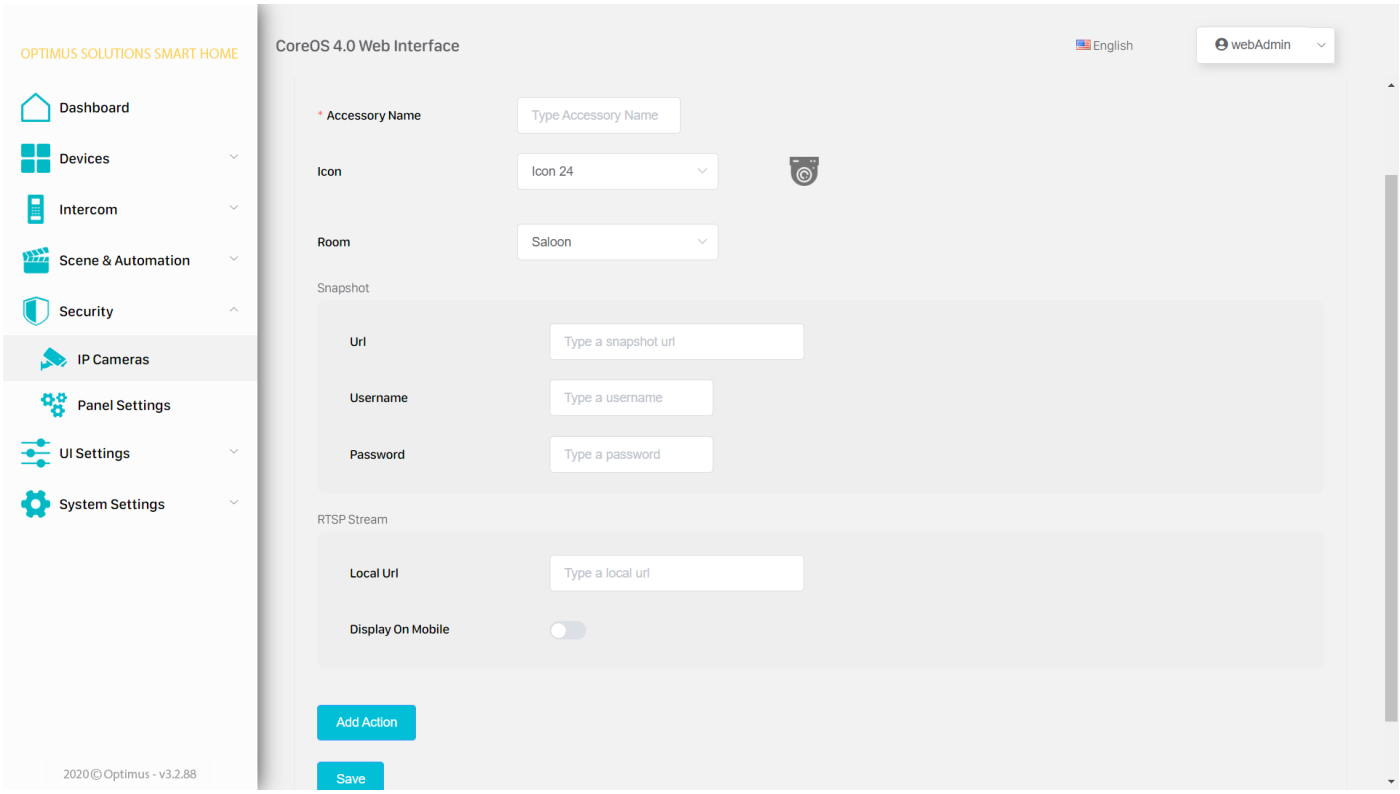
- Activate the options you want to use the password you set.

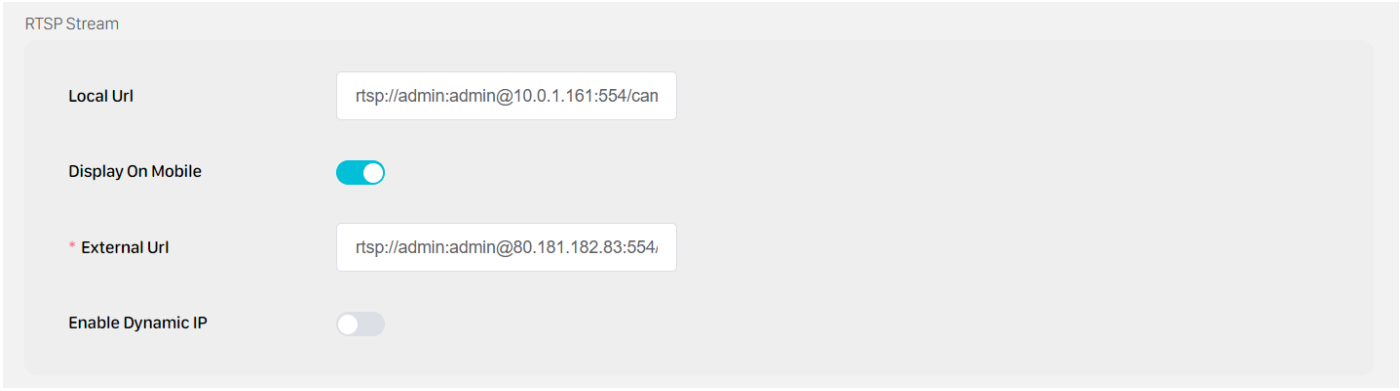


11.4 ADDING IP CAMERA

A new IP Camera is added to Touch Panel in this section. To do this:

- Go to Security > IP Cameras
- Click (+) button
- In the opened page, enter name, icon and room of Camera.
- For the cameras with snapshot feature, enter Snapshot URL, username and password in order to take picture from IP Camera.
- Enter RTSP URL of Camera to get image.
- Turn-on Display in Mobile Application button to display IP Camera image from Core Mobile App. Enter required IP settings to do this.
- Click Add Action button to perform an action while watching IP Camera. Action types are DTMF command, HTTP request, and an accessory action of Edge Touch Panels.





To display camera view on Core mobile app, either internet access should have a static public IP and necessary port forwarding must be done on modem or router or without a static public IP, "Enable Dynamic IP" must be checked and necessary port forwarding must be done on router or modem

- If internet access has a static public IP and necessary port forwarding have been made, RTSP URL with the static public IP and forwarded port must be entered in "External URL" section.
- If internet access doesn't have a static public IP and necessary port forwarding have been made, RTSP URL with the current public IP and forwarded port must be entered in "External URL" section and "Enable Dynamic IP" must be checked. Core Mobile App will attempt to access camera view via Optimus Cloud.

12.INTEGRATOR MENU

12.1. ACTIVATION OF INTEGRATOR MENU

The integrator menu is a hidden menu. to activate it:

- Go to Touch Panel UI > Settings > App Settings.
- Tap 4 times to App Version
- Enter Integrator Password in pop-up window. (Default integrator password is 1234)

12.2. FUNCTIONS

The functions in the integrator menu are as follows:

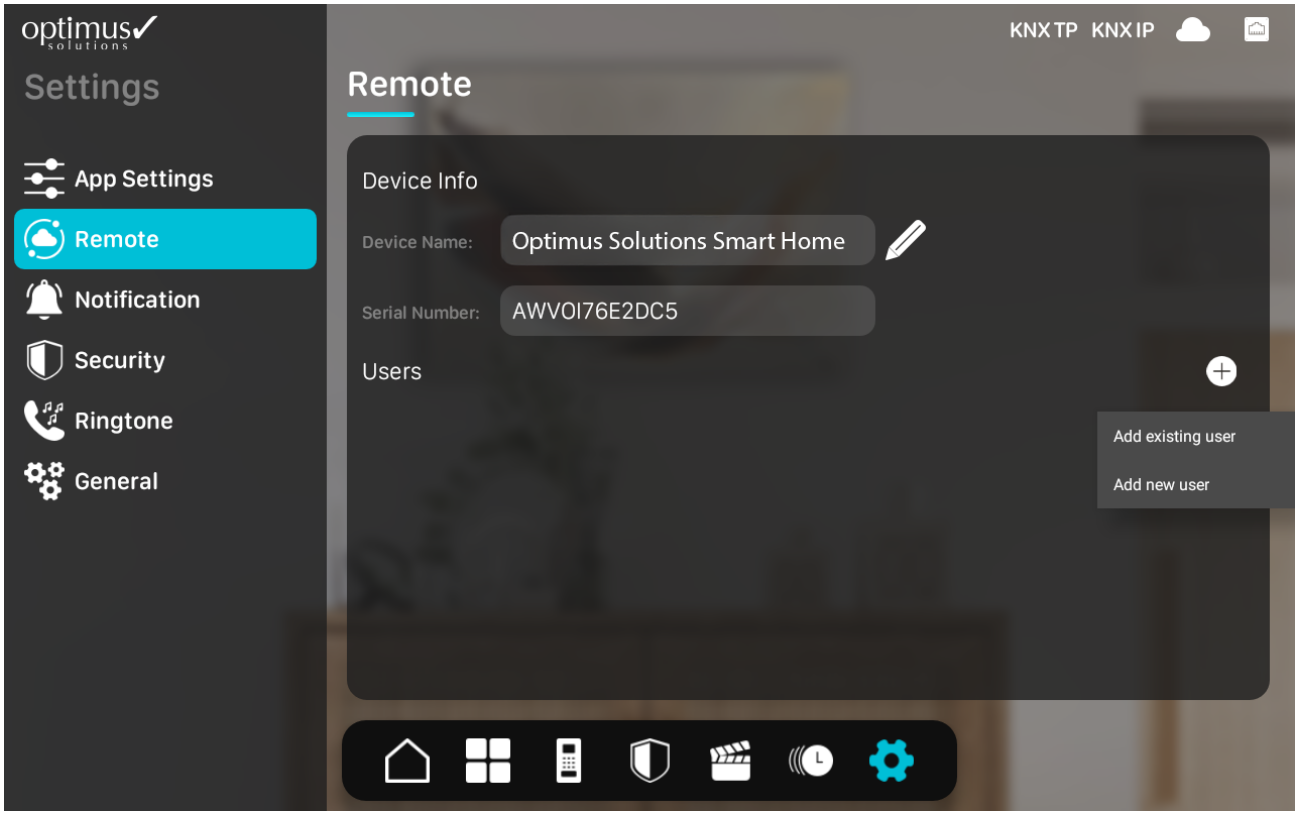
- ETH0 Ethernet interface can be configured as static IP.
- Siren of the Touch Panel can be activated in case of sensor violations.
- Horizontal or vertical operation of the Touch Panel can be selected.
- The Touch Panel can be restarted.
- The Touch Panel can be reset to factory settings.

13.ADDING USER FOR MOBILE APPLICATION

Edge Touch Panels offer the opportunity to control the automation system from the mobile application, via Core Cloud system. For this, a user must be defined on the Touch Panel.

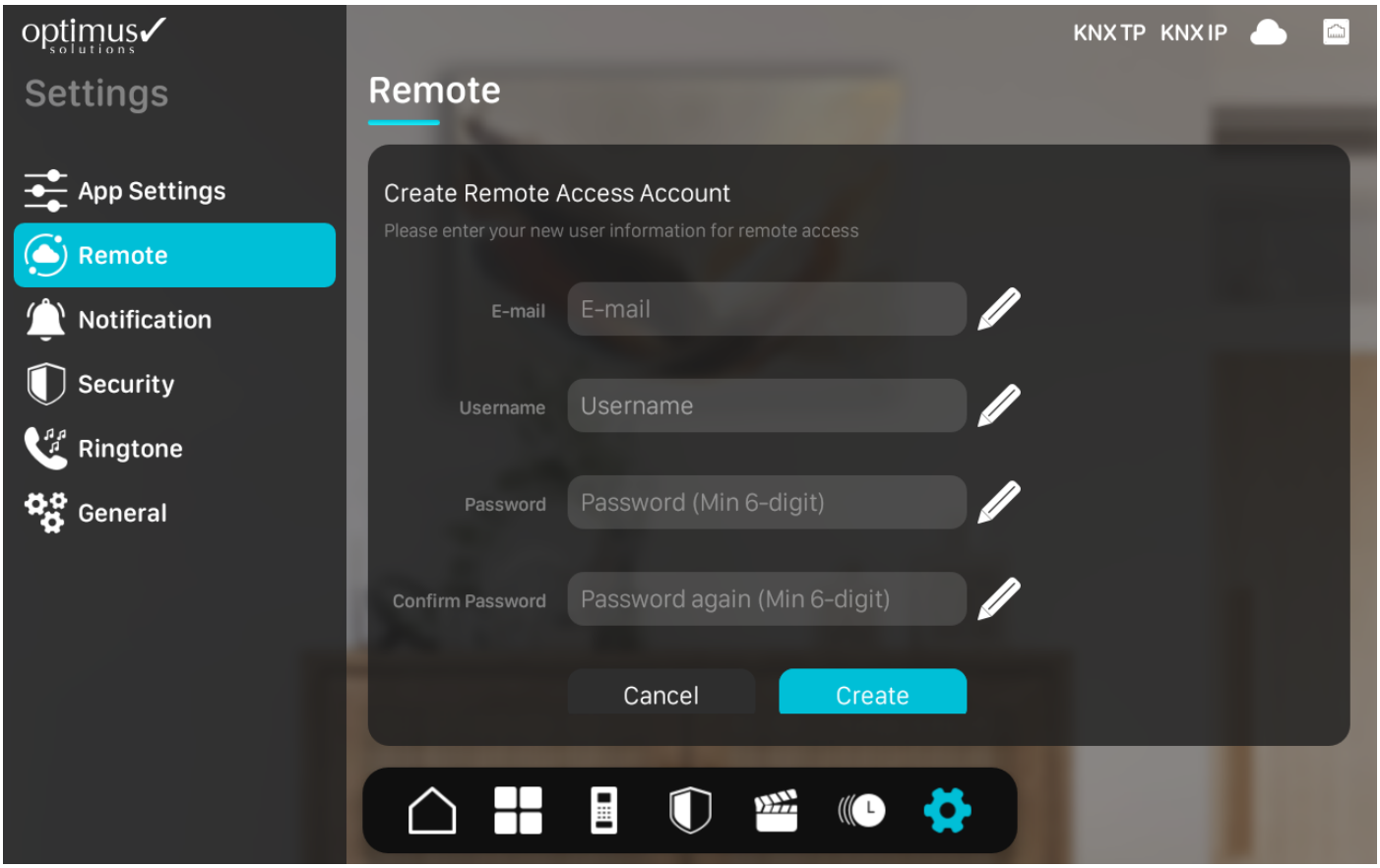
To Add a user:

- Go to Touch Panel UI > Settings > Remote.
- Press the + button on the right side of the Touch Panel. You can add an existing user or a new user in the window that appears.

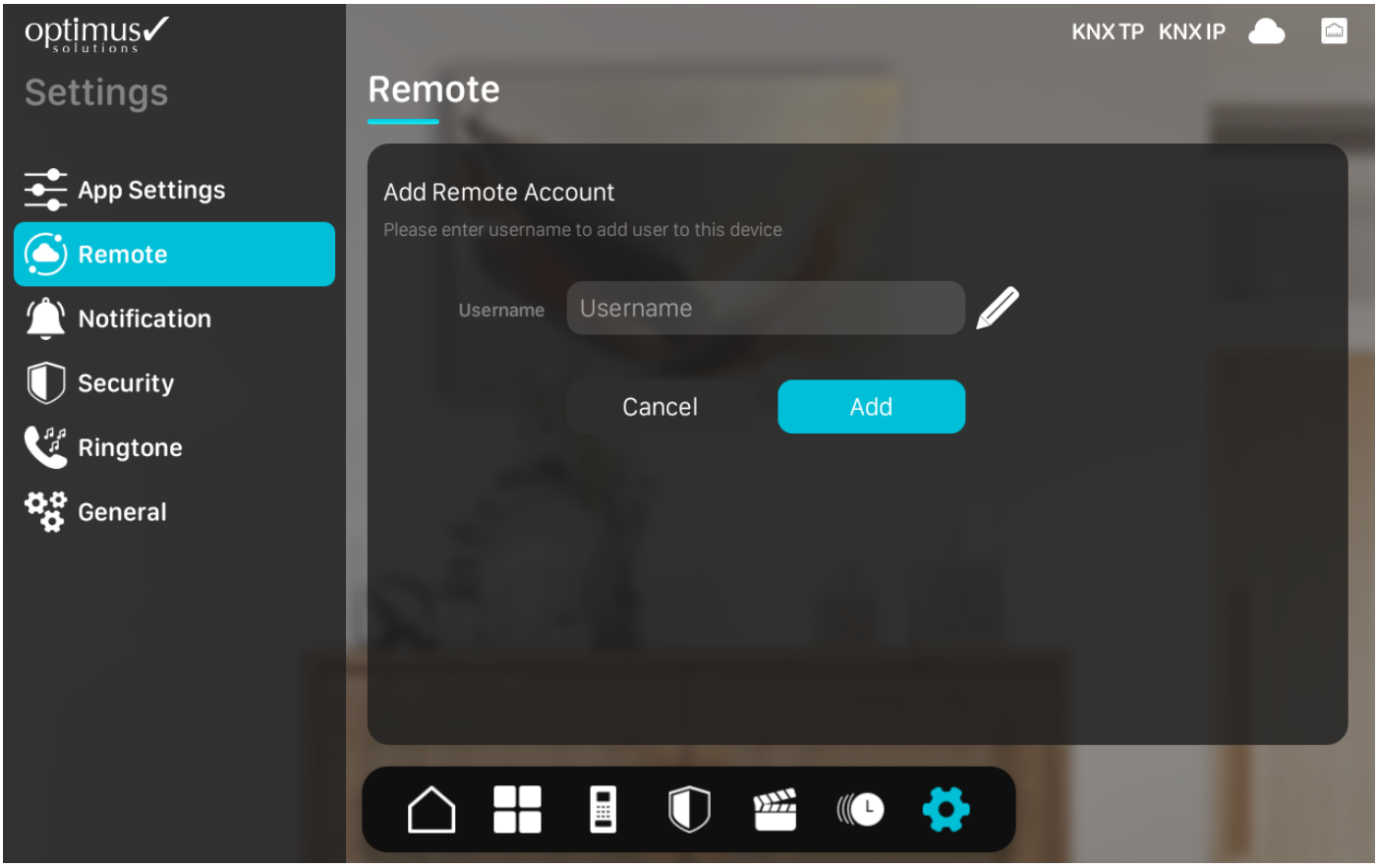


- To add a new user; enter the user's e-mail address (to be used to reset the password), a specific username and password, and click the "Create" button.
- If you want to add a previously created user to the Touch Panel; click add existing user and enter the user name, then click the "Add" button.

Login to mobile application must be done with the **USERNAME**



Adding New User



Adding Existing User