

Web Server App User Manuel

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1. Login

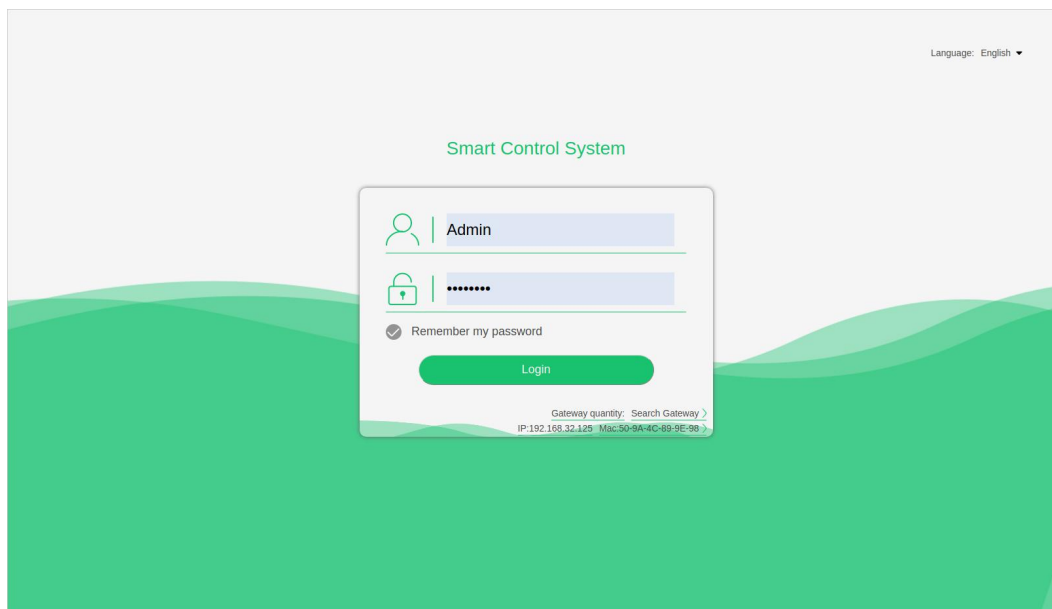
Open web browser, enter `http://(server IP address)/control/index`

P.S.: Make sure network hosts of both the gateway and server have same 3 octets.

In the example IP address 192.168.1.1, the network ID is the first 3 octets: 192.168.1.

Press the button in the middle of the gateway. Enter account and password (Pic 1).

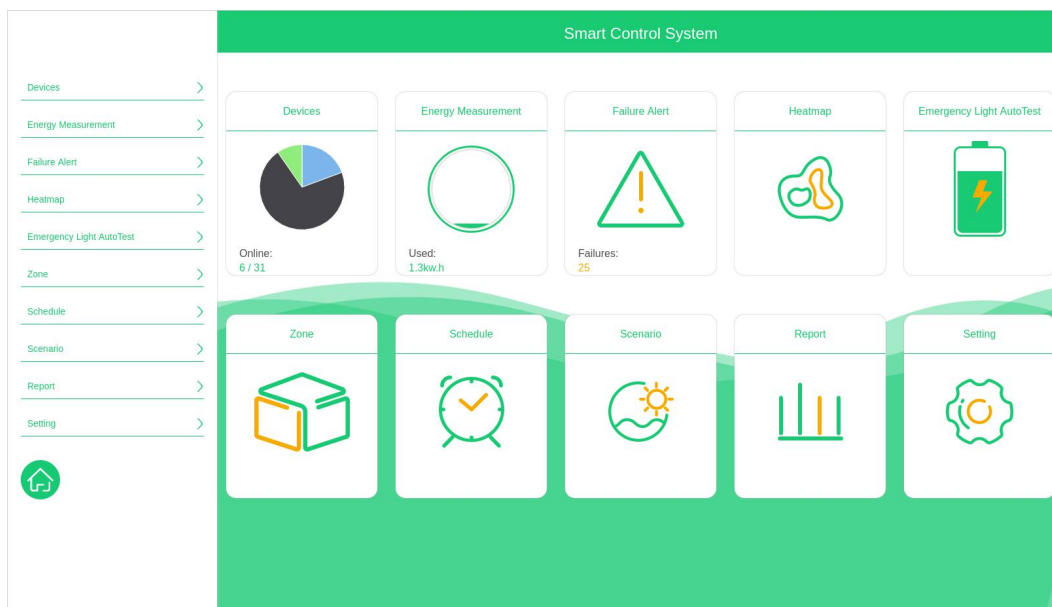
P.S.: Default account: Admin Default password: 00000000



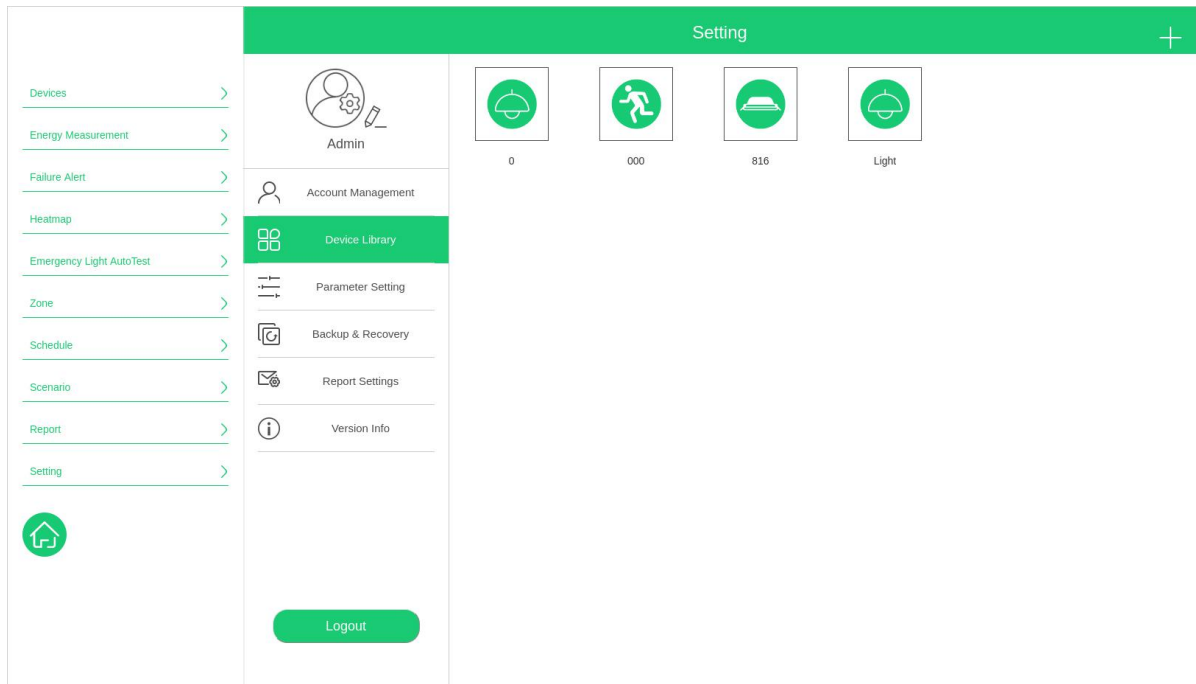
Pic 1

2. Add Library

Device library is to create icons for different types of luminaires for easy identification on map. Enter main page of the system (Pic 2). Click "Setting" to add device library (Pic 3).



Pic 2



Pic 3

Click “+” right up corner of Pic 3 to add device library.

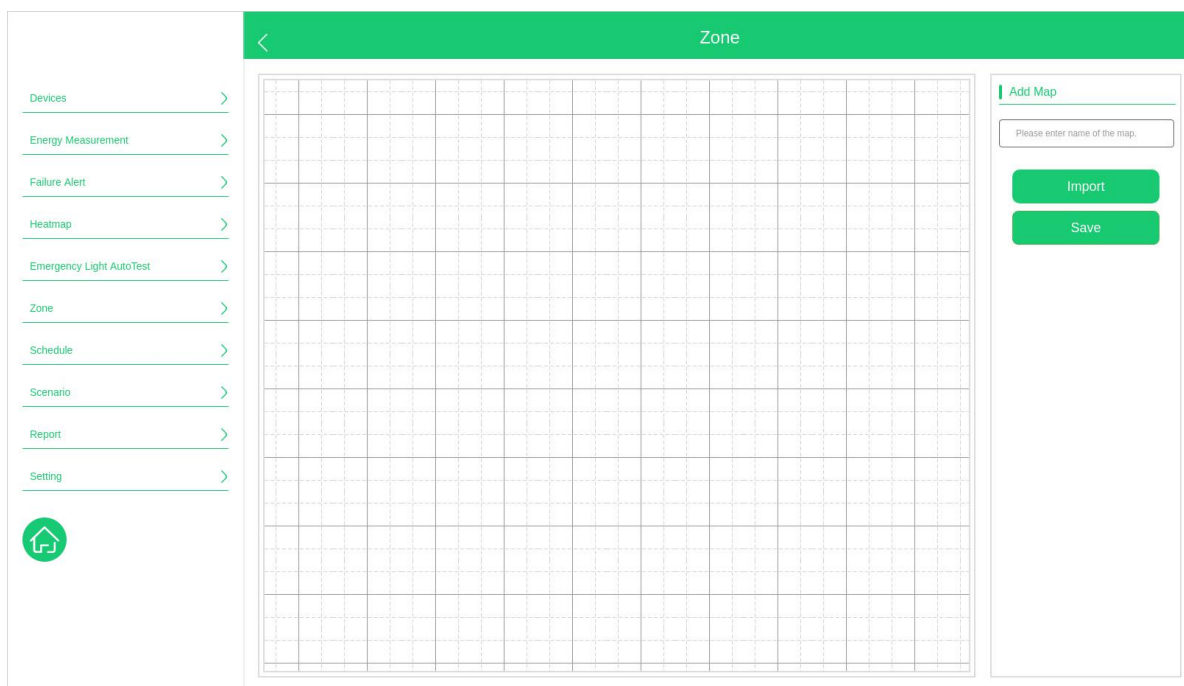
Click “+” center of Pic 4 to

- select device icon
- enter device name and model number
- preset lamp life
- enter lamp power before retrofitting/ lamp full load power for getting comparison before and after the system is used
- set discharging time for emergency lights

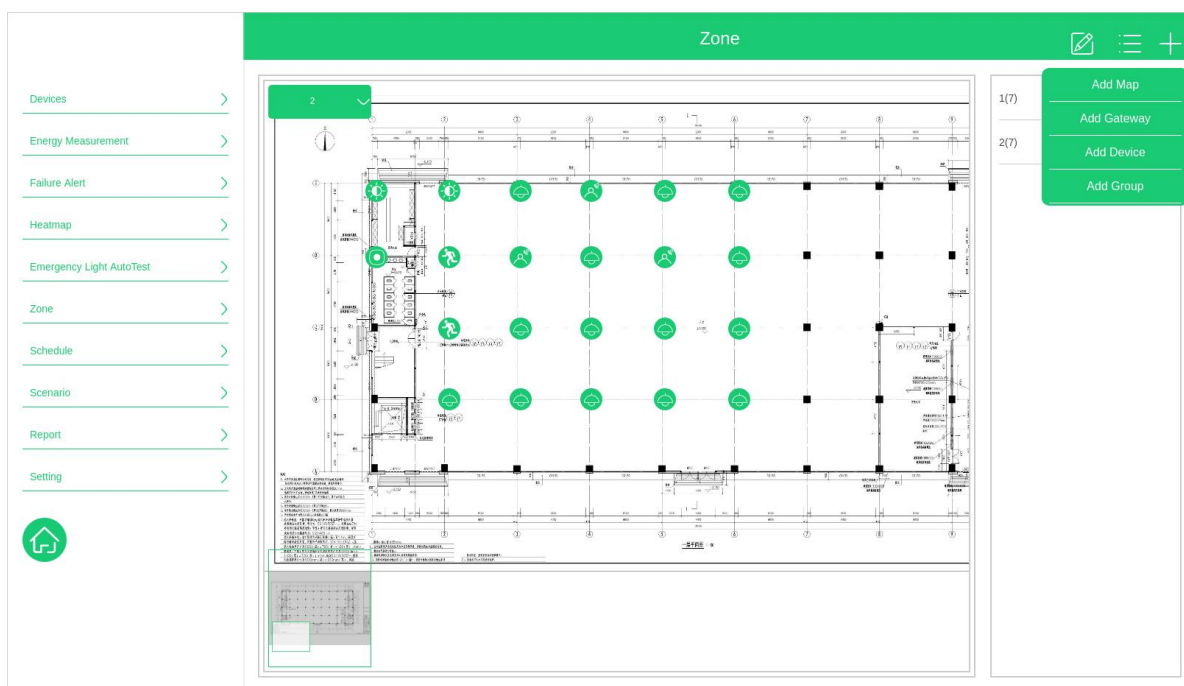
Pic 4

3. Add Map

Add Map is required for the first login (Pic 5). Enter map name and import map image. Click save. P.S.: If no map to import, the system will use a default grid map. Click “+” right up corner of Pic 6 to choose Add Map, if the system is already added with some maps.



Pic 5

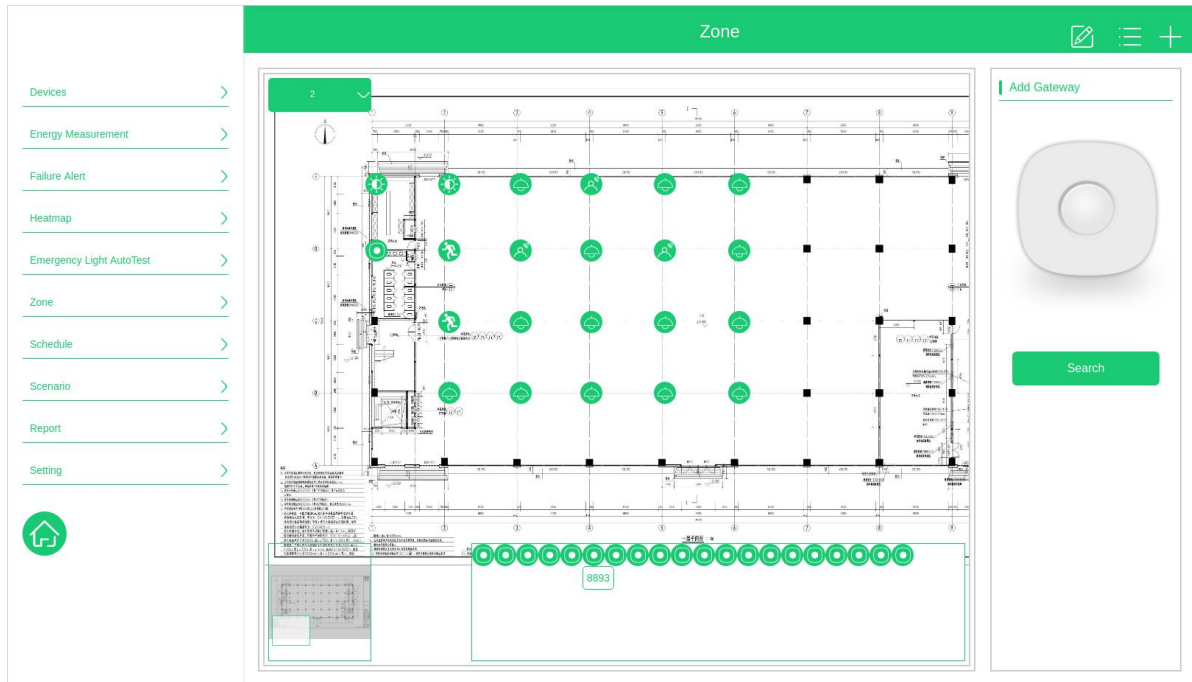


Pic 6

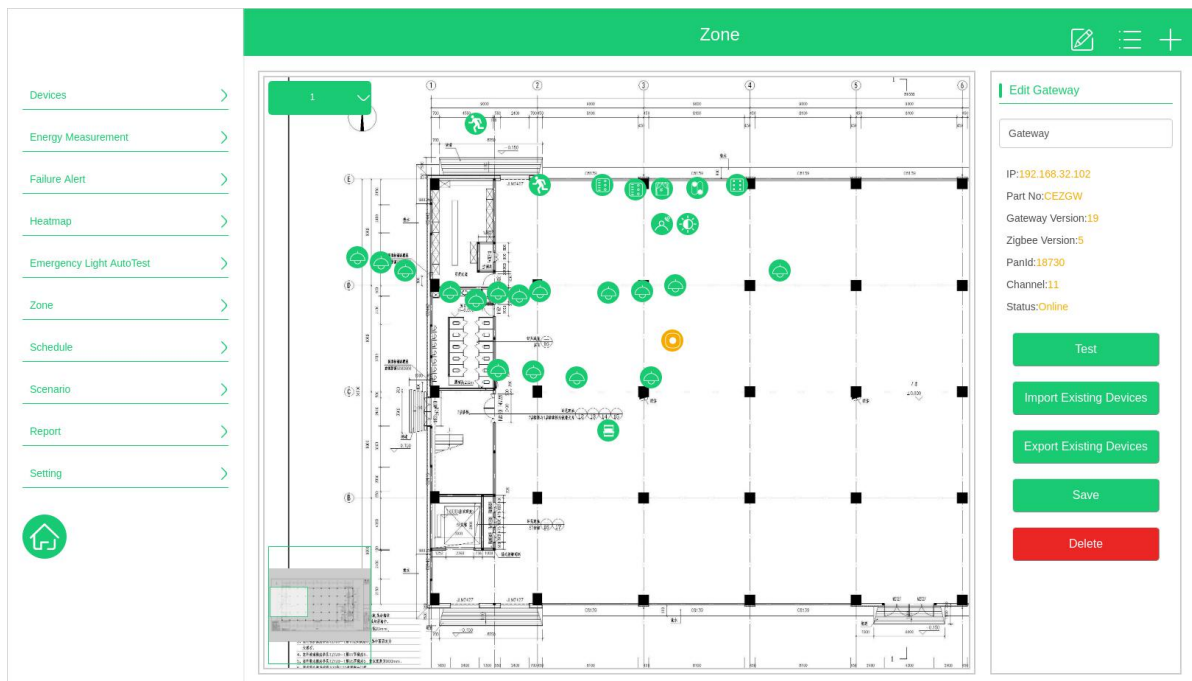
4. Add Gateway

Click “+” right up corner of Pic 6 to select “Add Gateway” (Pic 7). Click Search button on Pic 7. The system will search all gateways on line and list them on Device Found Area. Select the gateway. Enter gateway name. Click Test to check its location. Drag the gateway to the right location. Click Save. Gateway adding is done. Click Gateway to edit (Pic 8).

Click “Import Existing Devices” to import devices added from the gateway to server app. Click “Export Existing Devices” to export devices added from web server app to gateway.



Pic 7

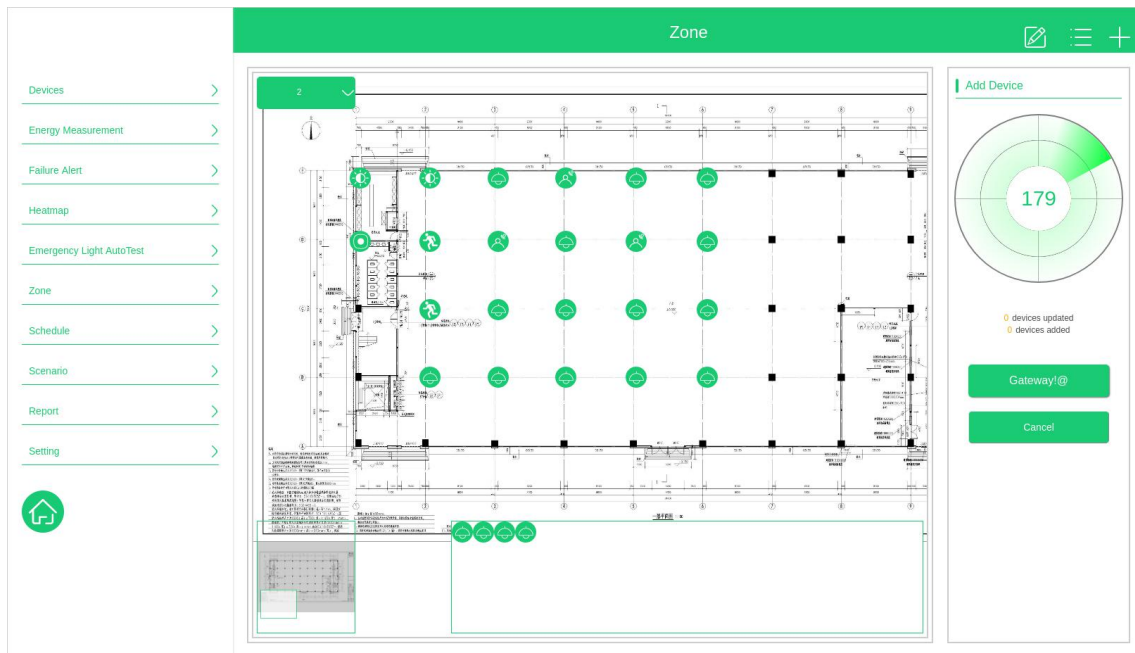


Pic 8

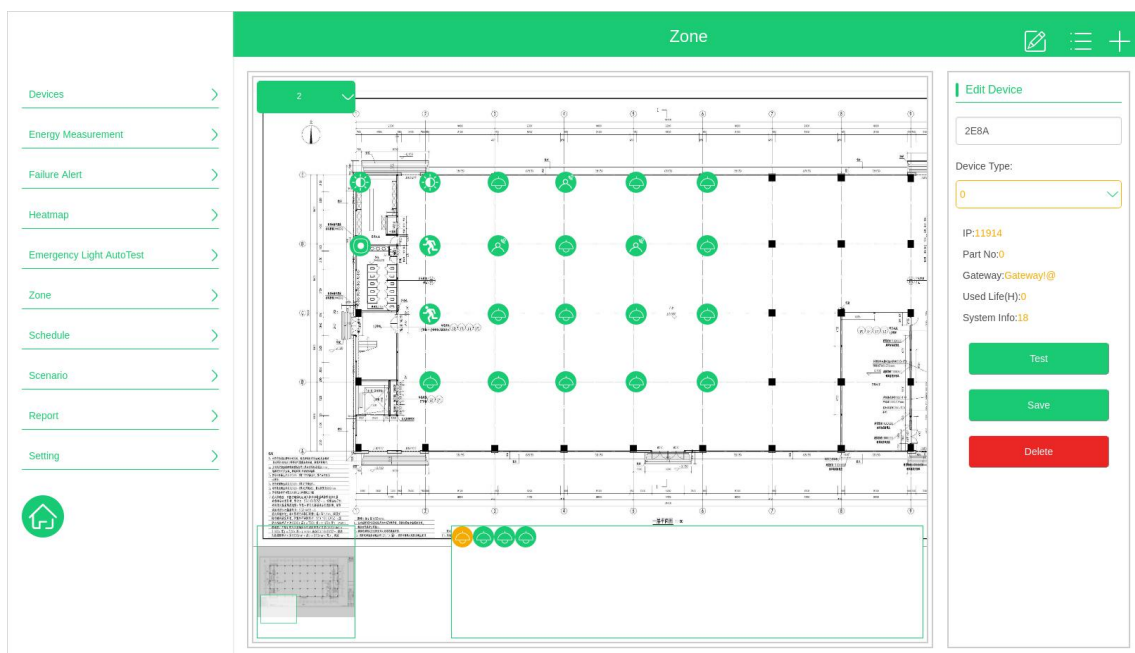
5. Add Device

Two ways to add device:

1. By importing existing devices from gateway. Please refer to “Add gateway” (Pic 8).
2. By searching devices by server app. Click “+” right up corner of Pic 6 to select “Add Device” (Pic 9). Choose the gateway and power up all devices, to add within search limits 30 minutes, click Search button and the system will start to search devices and list them on Device Found Area (Pic 10). P.S.: There’s a 30 minute time limit for search after devices are powered up, otherwise power off and power up again to start a new 30 minute time limit. Click the device icon to edit and enter Device Name, choose Device Type, click Test to check its location. Drag the device to the right location. Click Save. Device adding is done.



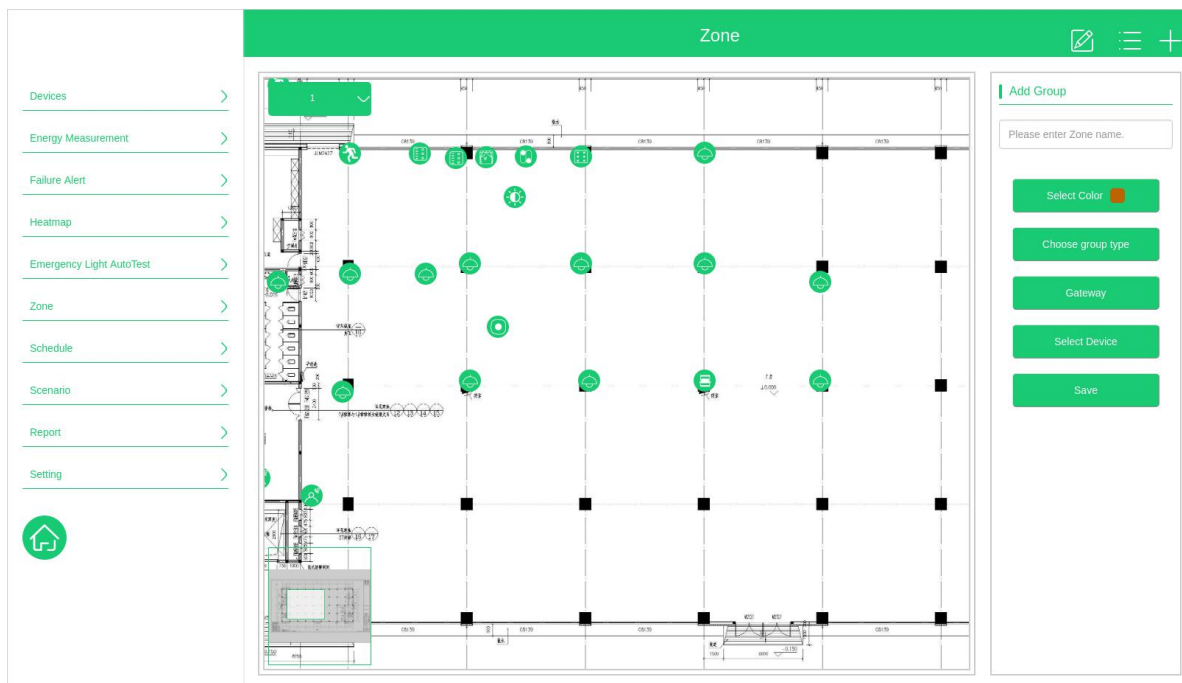
Pic 9



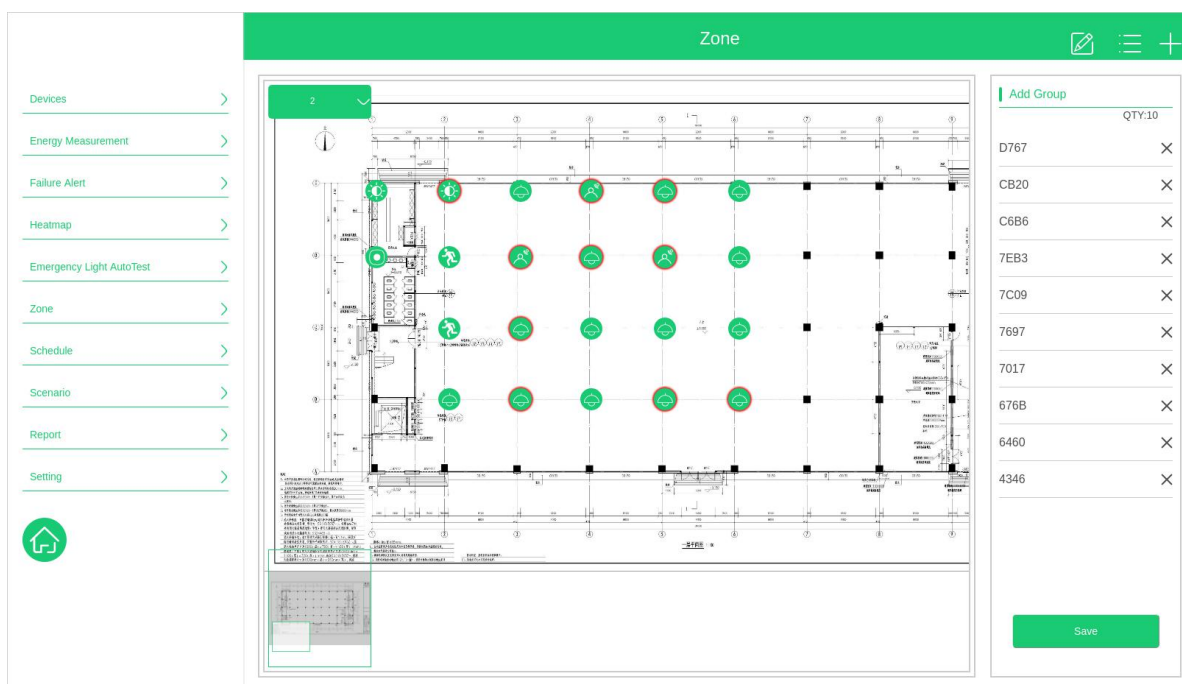
Pic 10

6. Add Group

Click “+” right up corner of Pic 6 to select “Add Group” (Pic 11). Enter group name. Click “Select Color” to define a color for the group, choose “Group Type” to define device type like dimmable/ CCT, click “Gateway” to select gateway for this group. Click “Select Device” to choose devices for the group (Pic 12). Click Save. Group adding is done. Please finish adding all groups to the gateway before switch on the sensors.



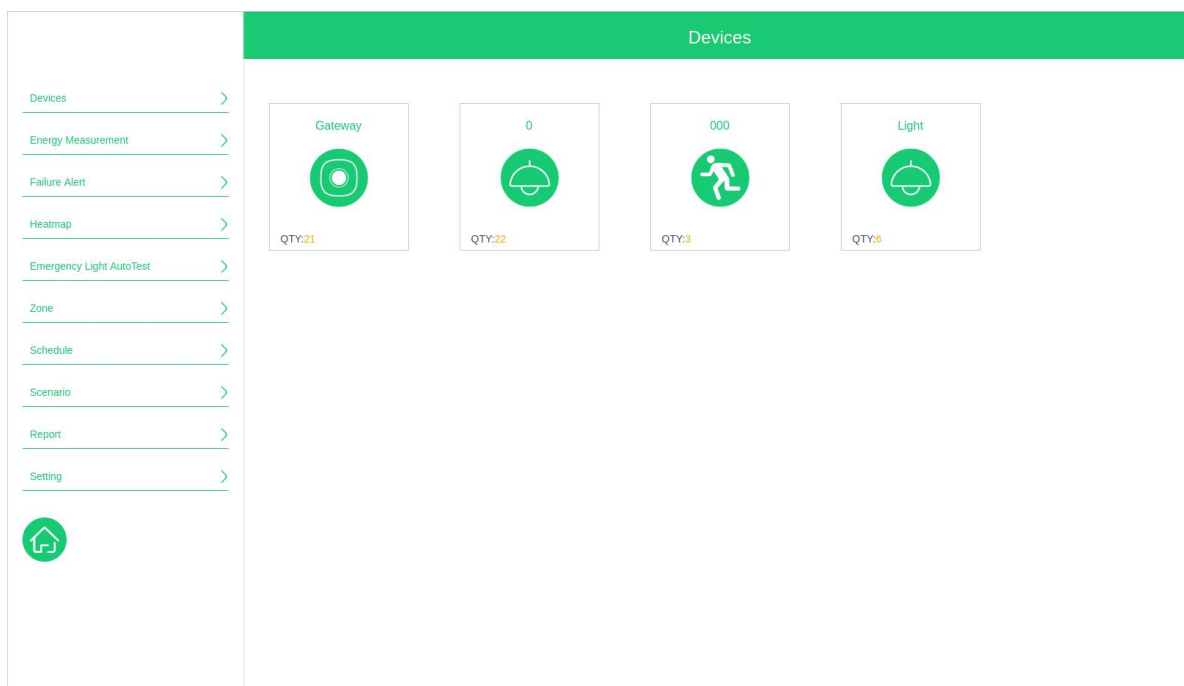
Pic 11



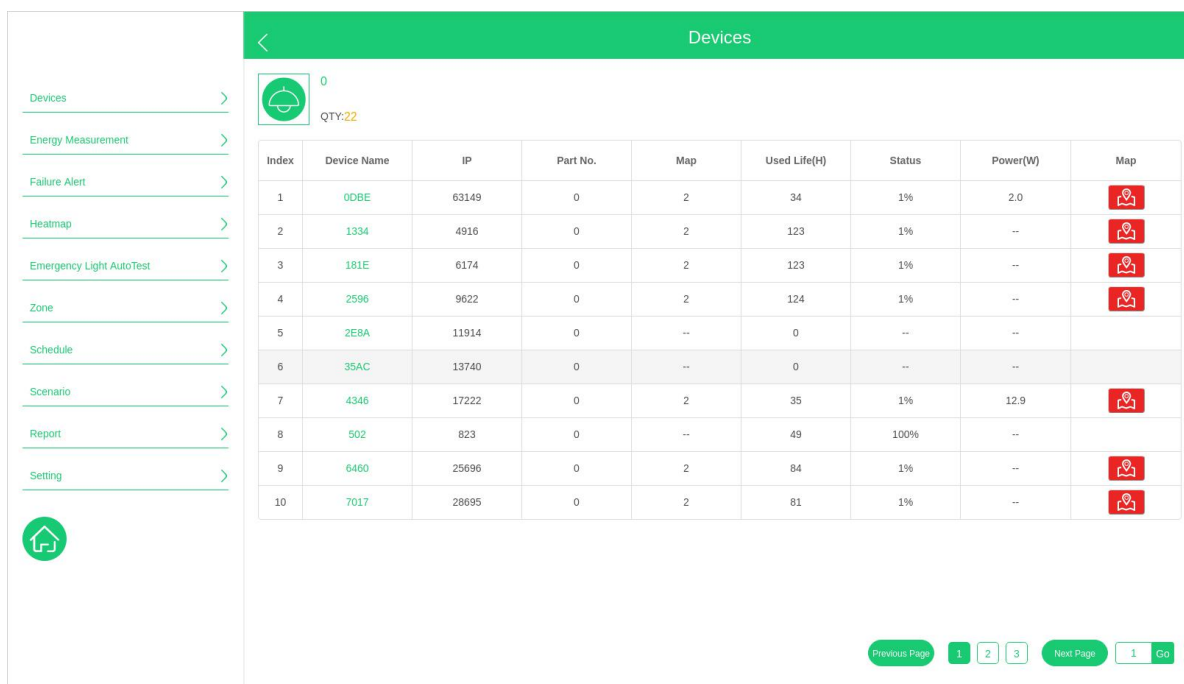
Pic 12

7. Device

Click “Devices” on Pic 2 to enter into Devices interface (Pic 13). Device quantity in different types will be displayed here. Click a device type, ex. Light, to enter into device list interface (Pic 14). There are device details including status changes, usage time, and location on map of a single device.



Pic 13



Pic 14

8. Energy Measurement

Click “Energy Measurement” on Pic 2 to enter into Energy Measurement interface (Pic 15). To check energy data in column/ pie chart, energy saved/ used in exact kw.h and electric charge if “Electric Charge Setting” is set in “Parameter Setting”.

Click icon right up corner of Pic 15, to show energy data of multiple or individual device over a certain period of time. (Pic 16)



Pic 15



Pic 16

9. Failure Alert

Click “Failure Alert” on Pic 2 to enter into Failure Alert interface (Pic 17). If you want to hide offline alert, check “Hide Offline Alert” in “Parameters Setting” (Pic 34). To check failure details, click a specific device from Device Name column (Pic 18).

Devices

Energy Measurement

Failure Alert

Heatmap

Emergency Light AutoTest

Zone

Schedule

Scenario

Report

Setting

Failure Alert

Index	Device Name	Part No.	Map	Status	Date	Time	Map	Delete
1	0DBE	0	2	Offline	2019-07-17	12:14:07		Delete
2	1334	0	2	Offline	2019-07-17	12:13:27		Delete
3	1439	Light	2	Offline	2019-07-17	12:15:24		Delete
4	181E	0	2	Offline	2019-07-17	12:13:13		Delete
5	2596	0	2	Offline	2019-07-17	12:14:53		Delete
6	2999	000	2	Offline	2019-07-17	16:01:18		Delete
7	2E8A	0	--	Offline	2019-07-16	18:02:14		Delete
8	35AC	0	--	Offline	2019-07-16	18:01:28		Delete
9	4346	0	2	Offline	2019-07-17	12:12:22		Delete
10	6460	0	2	Offline	2019-07-17	12:14:40		Delete

Failure Pie Chart by Device Type

0:80%

816:0%

000:4%

Light:16%

Failure Pie Chart by Zone

2:100%

Previous Page

1

2

3

Next Page

1

Go

Pic 17

Devices

Energy Measurement

Failure Alert

Heatmap

Emergency Light AutoTest

Zone

Schedule

Scenario

Report

Setting

Failure Alert

1334

Map:2 Part No:0

2019-07-17

2019-07-18

Report

Index	Status	Date	Time
1	Offline	2019-07-17	12:13:27
2	1%	2019-07-17	10:32:10

Previous Page

1

Next Page

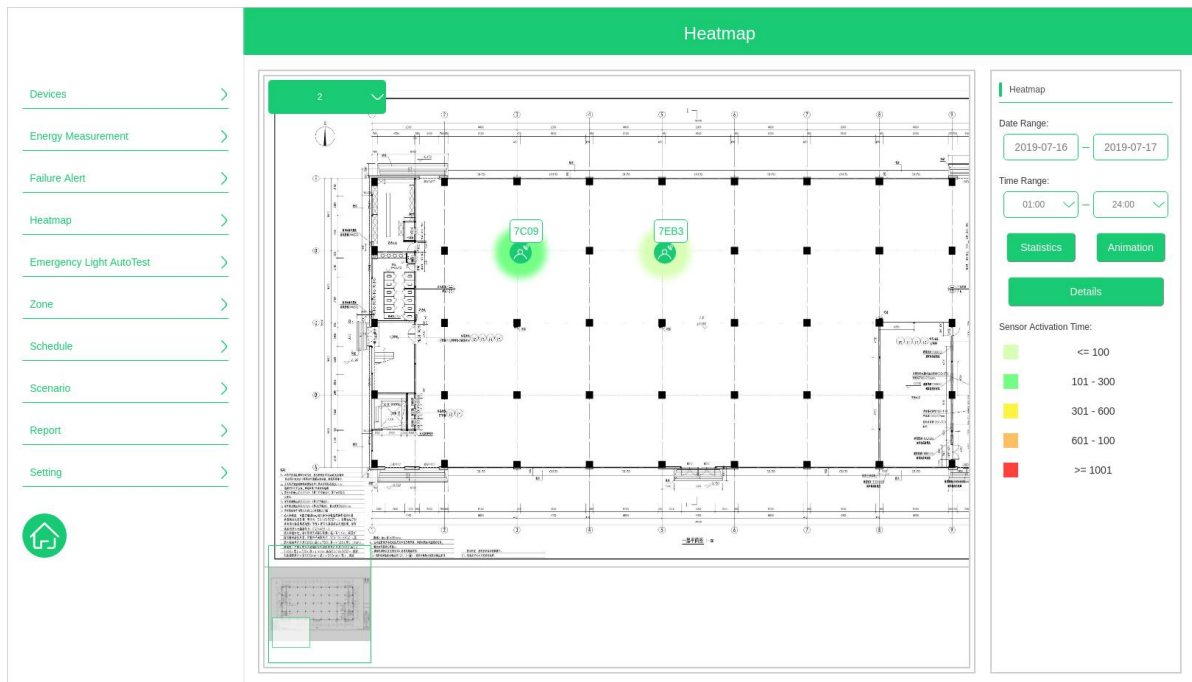
1

Go

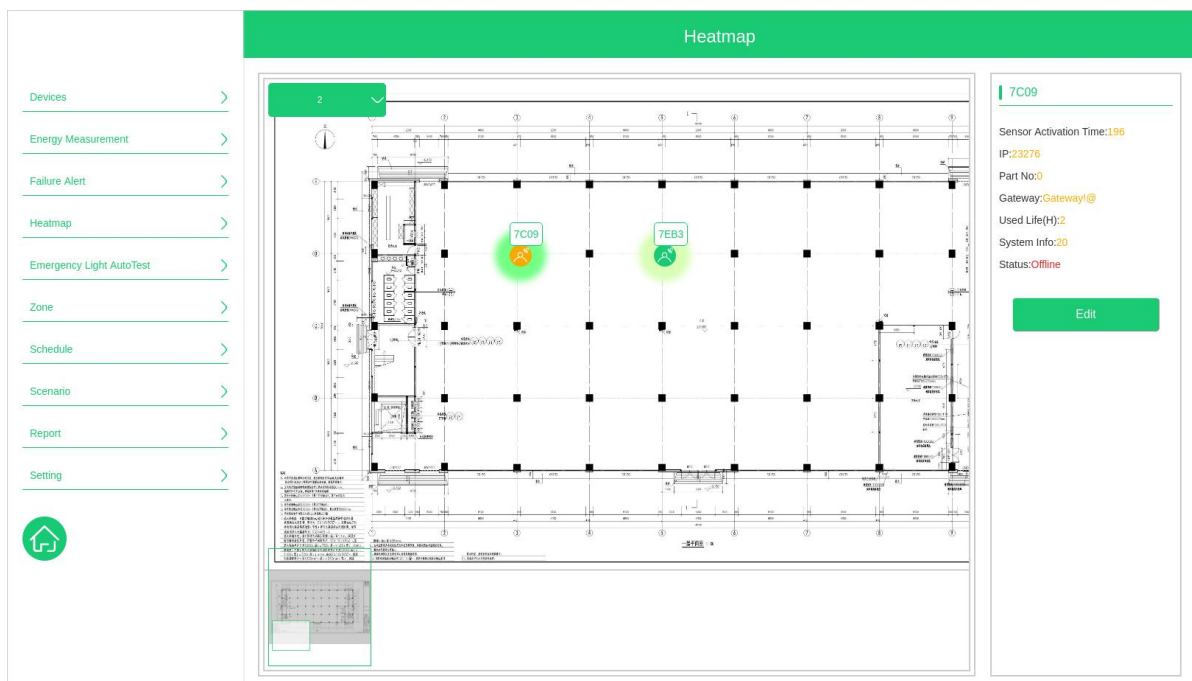
Pic 18

10. Heatmap

Motion sensors with heatmap function help users to enhance store performance or deploy a new warehouse layout, by knowing activation time of every sensor placed. Preset “Heatmap Animation Interval” and “Heatmap Color and Activation Time” in “Parameter Setting” (Pic 34). After the motion sensors running for a while, click “Heatmap” on Pic 2 to enter Heatmap interface (Pic 19). Select Date Range and Time Range, click “Statistics” to get total sensor static activating times, click “Animation” to display dynamically according to preset interval. Click sensor to edit or get more information like activation times, IP, etc. (Pic 20)



Pic 19



Pic 20

11. Emergency Light AutoTest

Click “Emergency Light AutoTest” on Pic 2 to enter into Emergency Light AutoTest interface (Pic 21). Once the autotest for emergency lights are preset from right up “+”(Pic 22), enter device name, set date/ time, select “Function Test” or “Emergency Light Auto Test”, set xx days as detection frequency, select devices and save. The tests will run automatically according to the date/ time set.

P.S.: “Emergency Light Duration Test Time” and “Emergency Function Test Time” are preset in “Parameter Setting” (Pic 34).

Index	Device Name	Date	Time	Run
1	0	2019-06-20	16:28:00	<input type="checkbox"/>
2	1	2019-06-20	13:56:00	<input checked="" type="checkbox"/>
3	133	2019-06-26	10:52:00	<input checked="" type="checkbox"/>
4	3	2019-07-12	16:11:00	<input checked="" type="checkbox"/>

Pic 21

Please enter AutoTest name.

Time: 7/2019 12 : 00

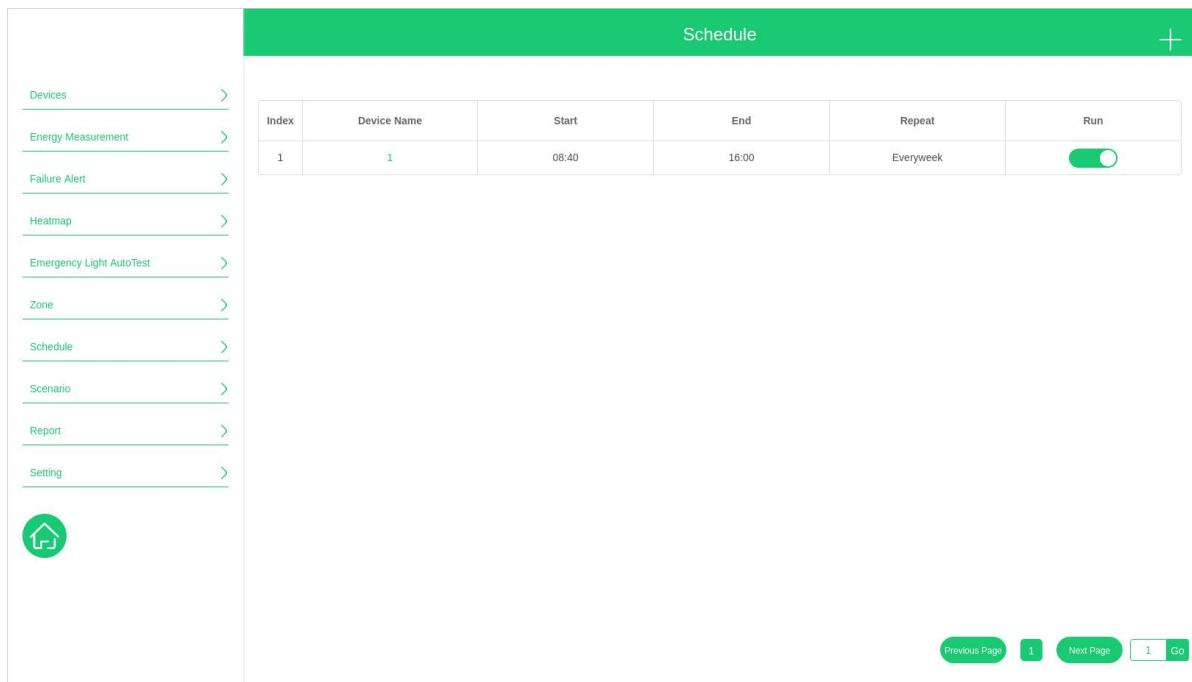
Function Test ✓ Detection frequency: 0 Day

Select Device Save

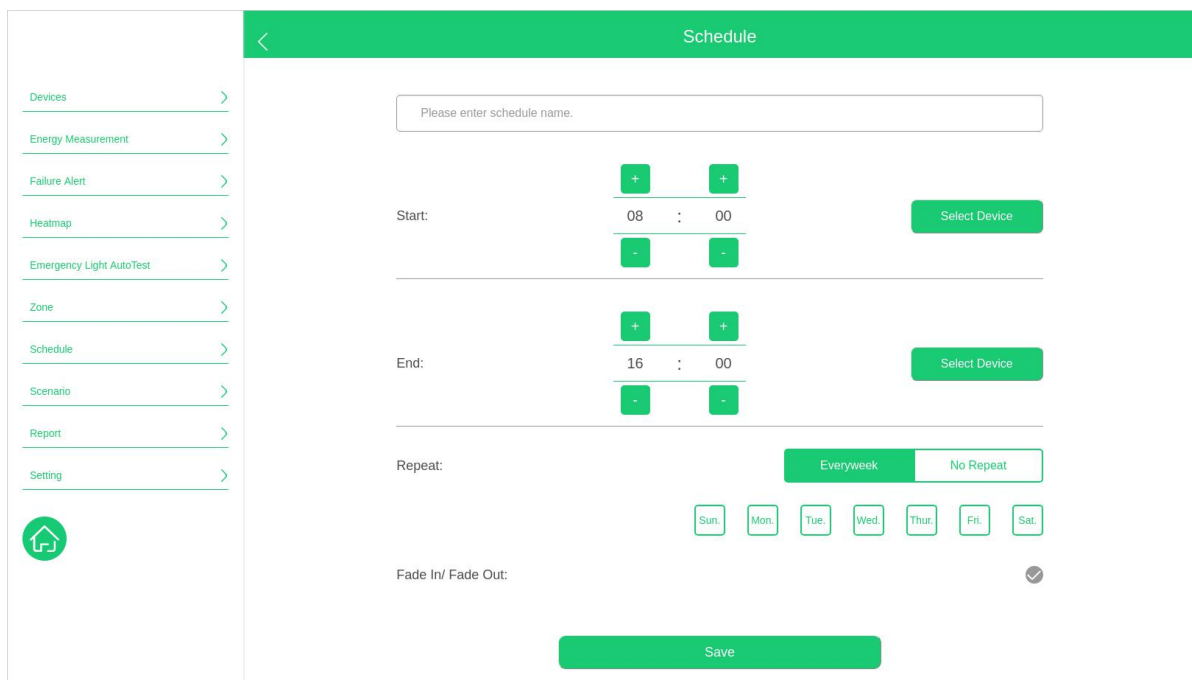
Pic 22

12. Schedule

Click “Schedule” on Pic 2 to enter into Schedule interface (Pic 23). Click right up “+” to create schedules. Name schedules and set up parameters on interface of Pic 24.



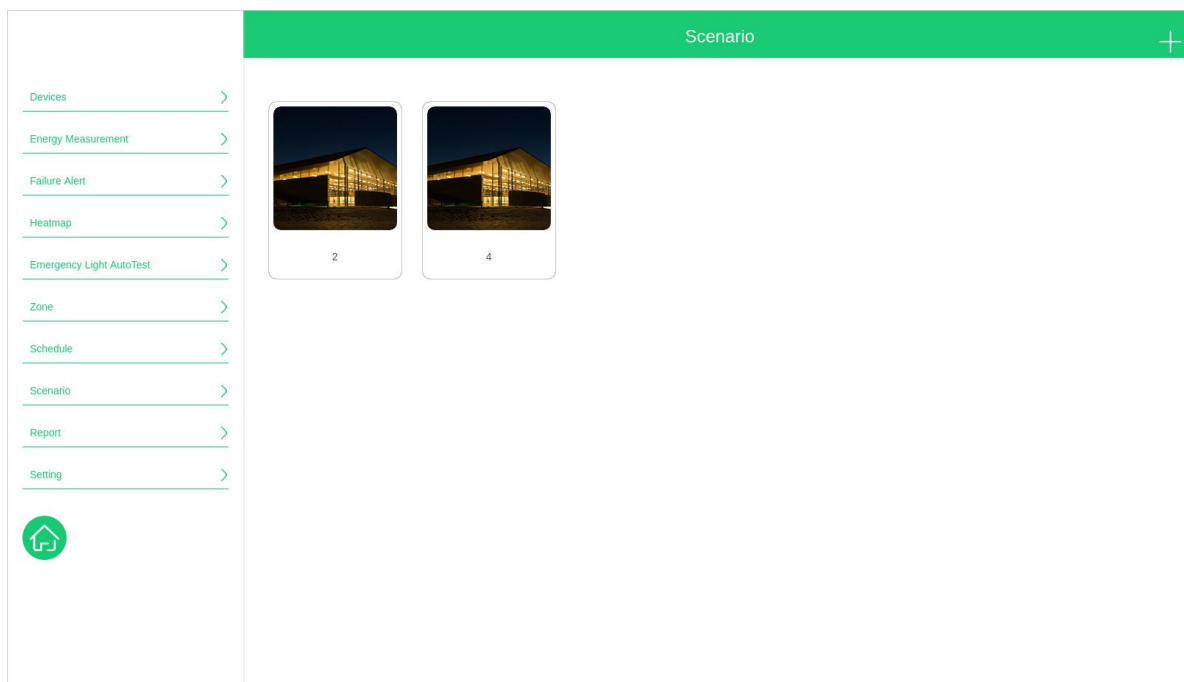
Pic 23



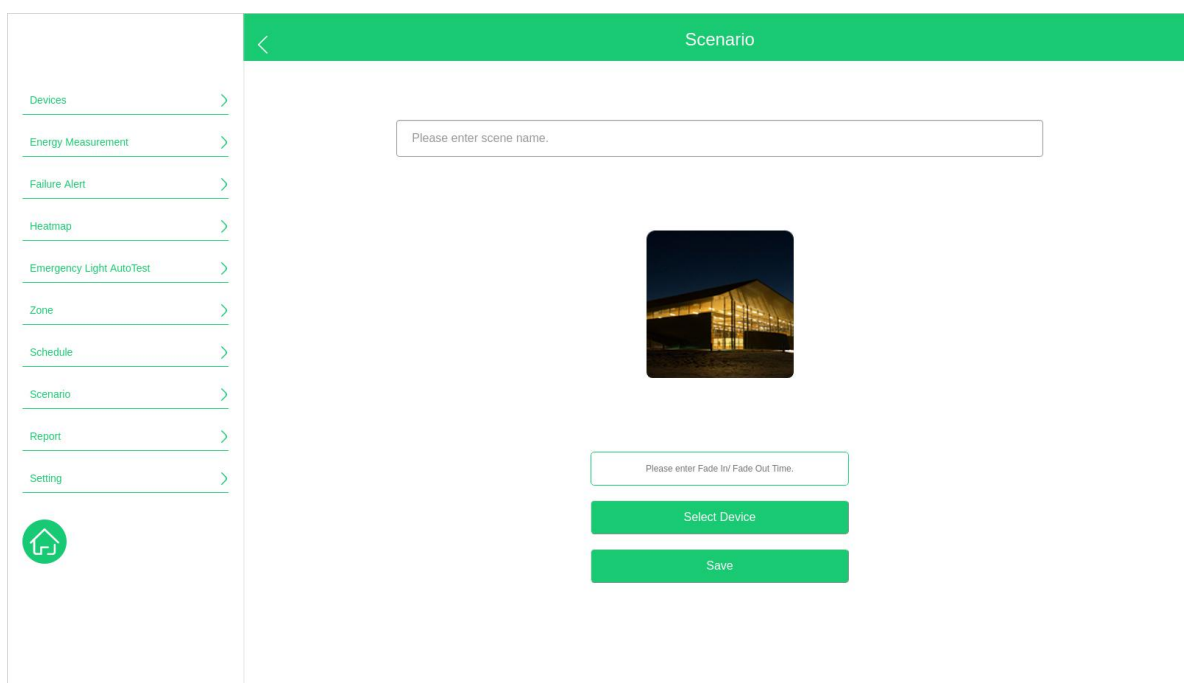
Pic 24

13. Scenario

Click “Scenario” on Pic 2 to enter into Scenario interface (Pic 25). Click right up “+” to create scenarios. Name scenarios and set up parameters on interface of Pic 26.



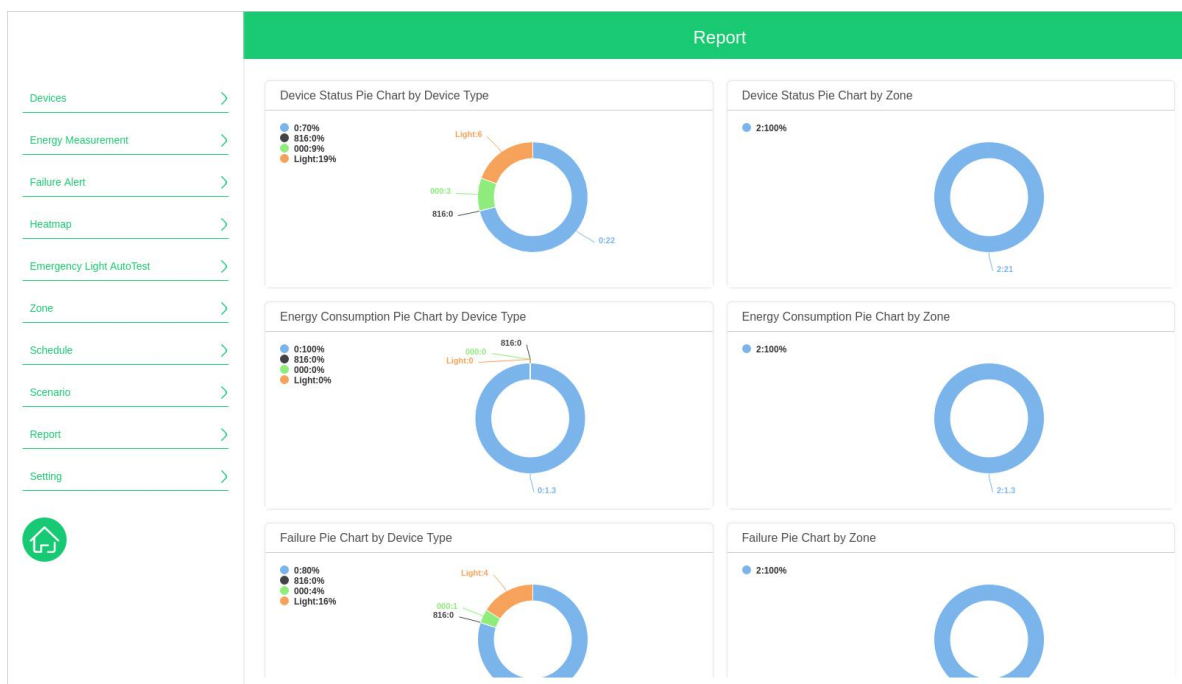
Pic 25



Pic 26


14. Report

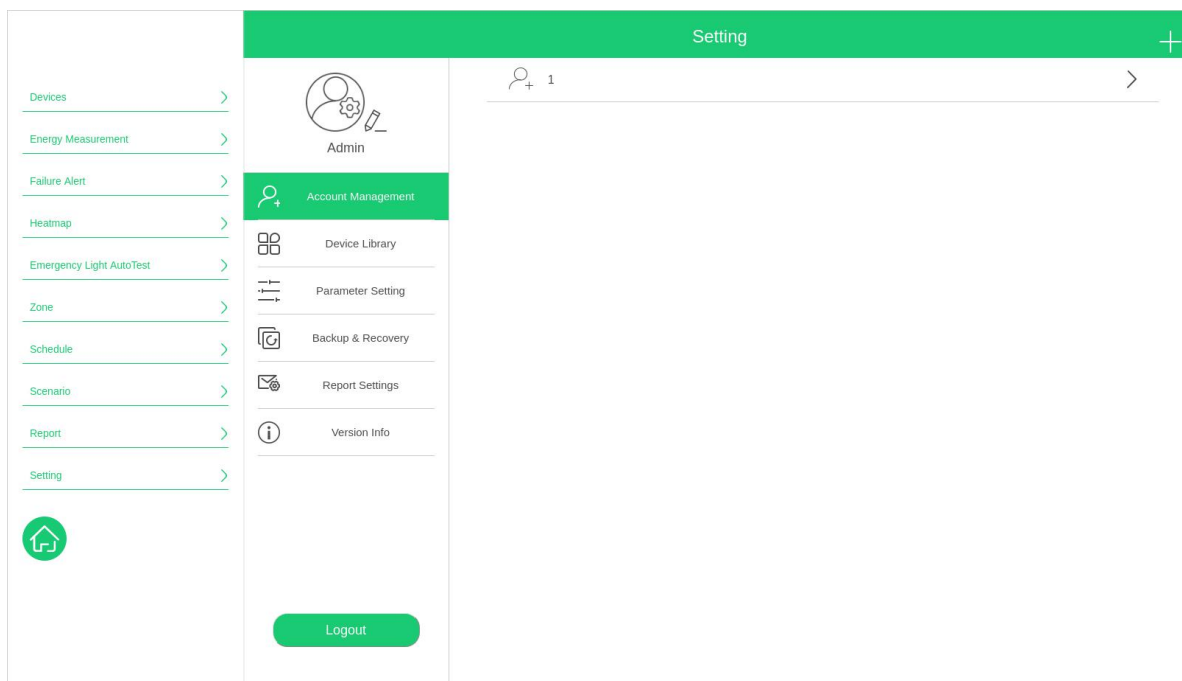
Click “Report” on Pic 2 to enter into Report interface (Pic 27). Click each section to get more details.



Pic 27

15. Account Management

Click “Setting” on Pic 2 to enter into Setting interface (Pic 28). To change Admin login password, click “” button next to Admin logo (Pic 29). To create sub accounts for different permission controls, click “+” right up on Pic 30.



Pic 28

Devices >

Energy Measurement >

Failure Alert >

Heatmap >

Emergency Light AutoTest >

Zone >

Schedule >

Scenario >

Report >

Setting >

Home

Admin

Account Management

Device Library

Parameter Setting

Backup & Recovery

Report Settings

Version Info

Logout

Setting

Account:

Admin

New Password:

Please enter.

Confirm Password:

Please enter.

Save

Pic 29

Devices >

Energy Measurement >

Failure Alert >

Heatmap >

Emergency Light AutoTest >

Zone >

Schedule >

Scenario >

Report >

Setting >

Home

Admin

Account Management

Device Library

Parameter Setting

Backup & Recovery

Report Settings

Version Info

Logout

Setting

Sub Account:

Please enter.

Password:

Please enter.

Confirm Password:

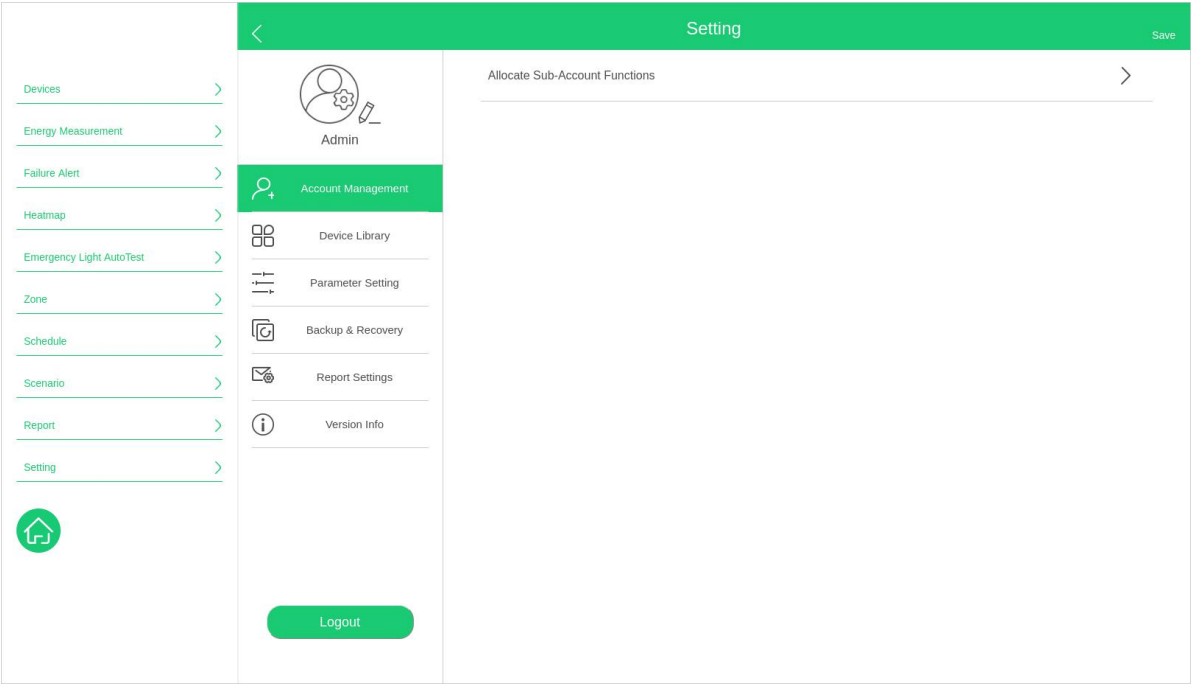
Please enter.

Permission Settings

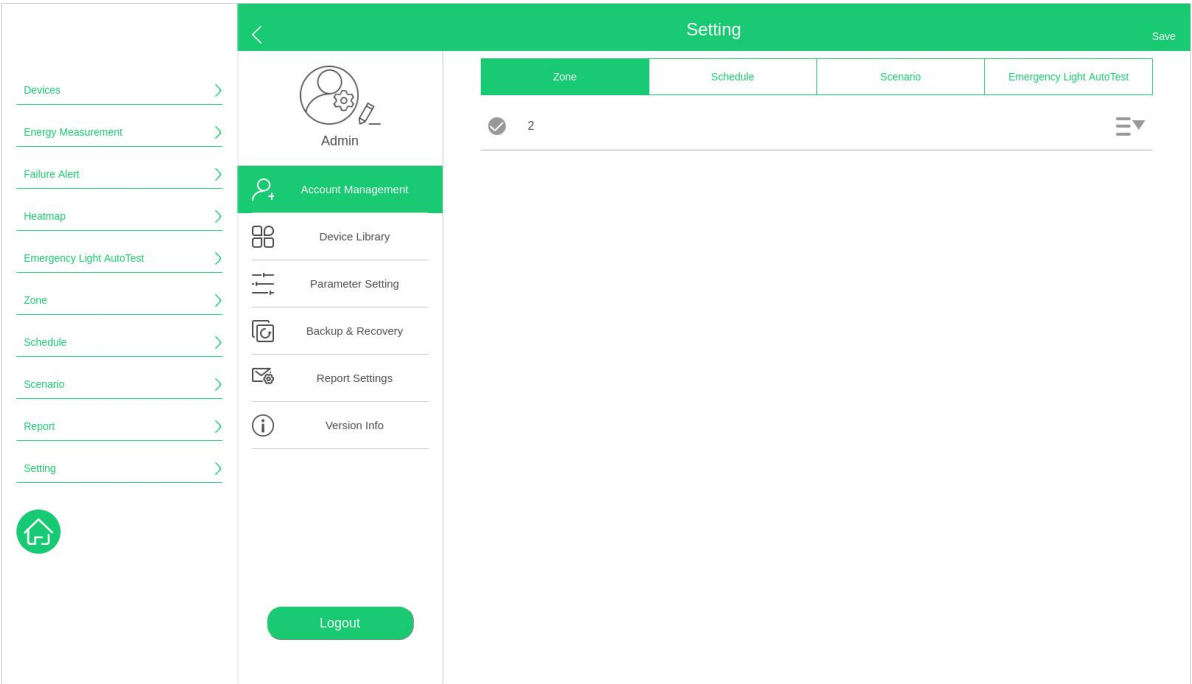
Save

Pic 30

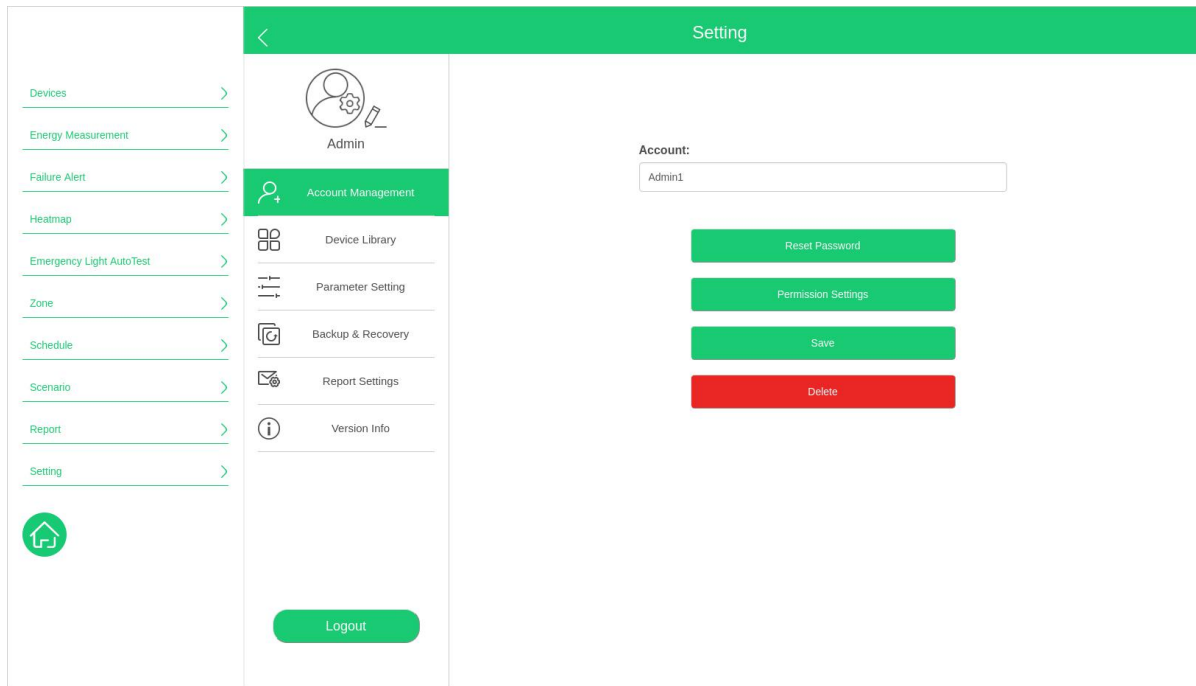
On Pic 30, enter subaccount name, set password, click “Allocate Sub-Account Function” to allocate device from “Permission Settings” (Pic 32). To edit or delete sub accounts, click the sub account accordingly (Pic 33).



Pic 31



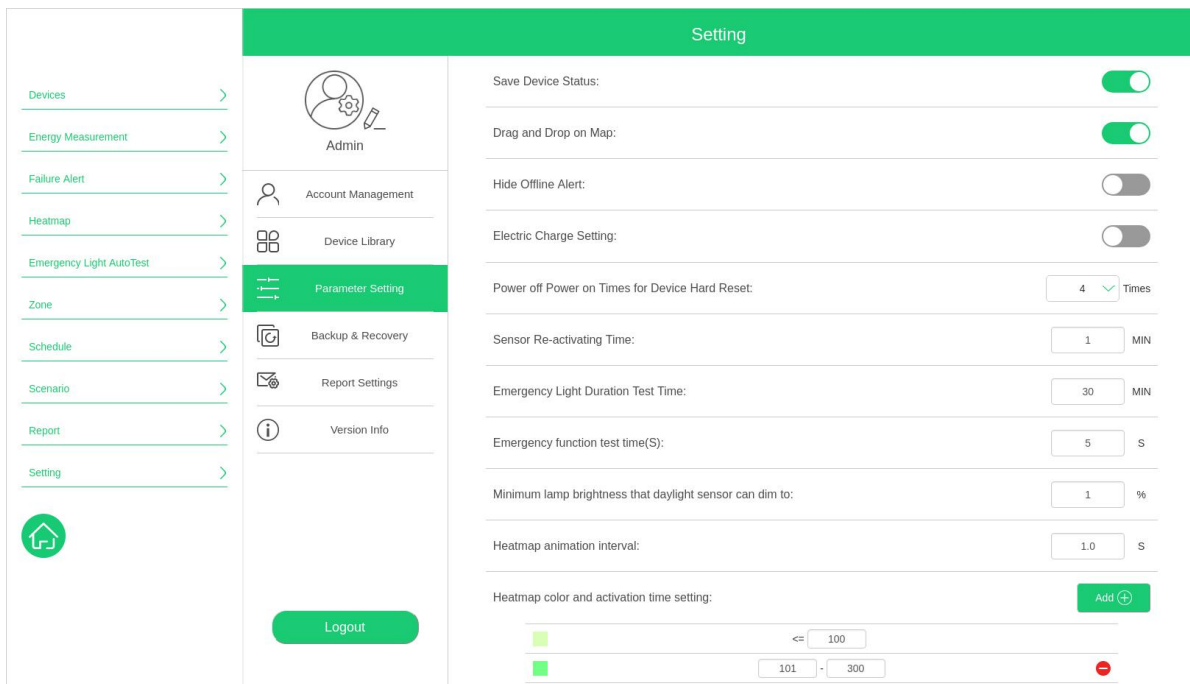
Pic 32



Pic 33

16. Parameter Setting

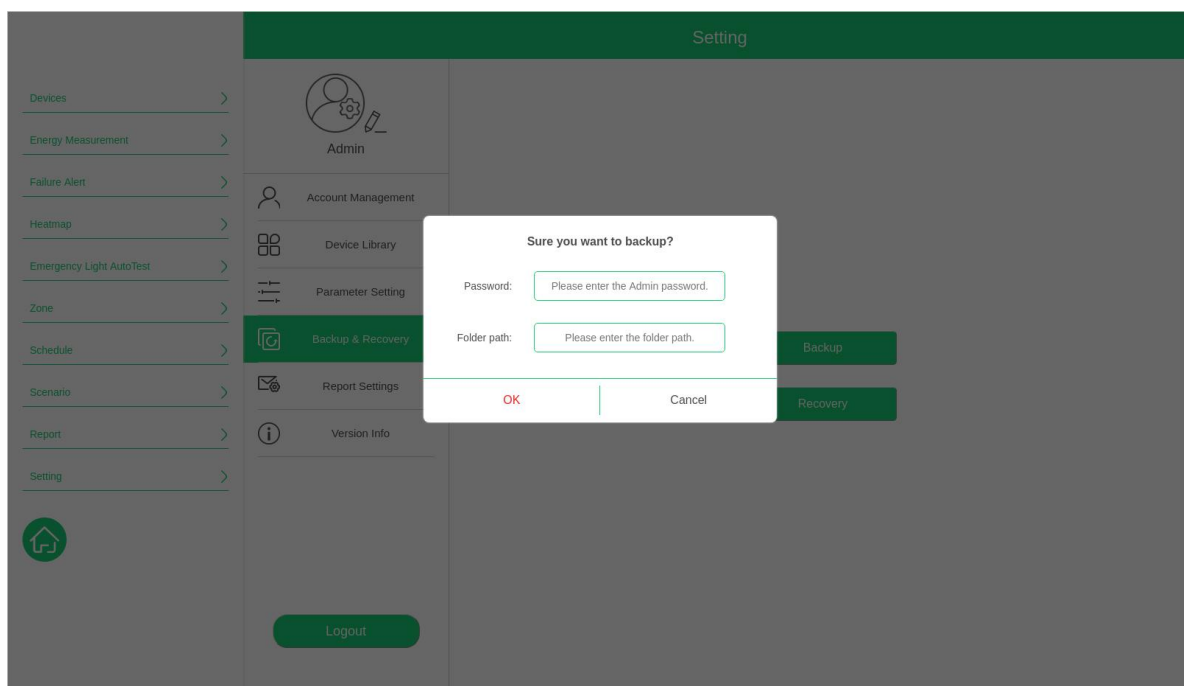
Based on a specific application, there are more settings from “Parameter Setting” on left menu of Pic 28 that users can check and select. Such as, Save Device Status, Drag and Drop on Map, and Sensor Re-activating Time (Pic 34).



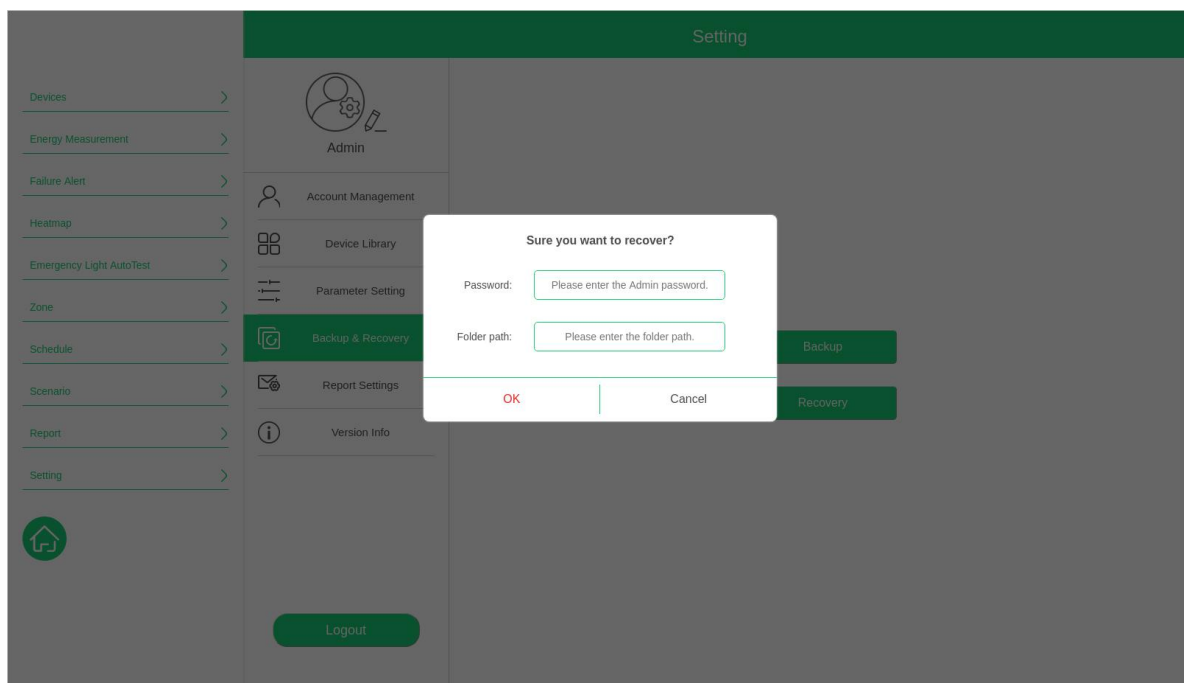
Pic 34

17. Backup & Recovery

“Backup & Recovery” from left menu of Pic 28 helps to backup the database to local folder and recover the database from local folder to server app, when the server database is damaged or when the server app is re-installed (Pic 35, Pic 36).



Pic 35



Pic 36

18. Report Setting

Click “Report Setting” of Pic 37 to set report sender, recipient, frequency and content. Recipient will be receiving emails of reports accordingly.

The screenshot displays the 'Report Setting' configuration page. On the left is a sidebar menu with options: Devices, Energy Measurement, Failure Alert, Heatmap, Emergency Light AutoTest, Zone, Schedule, Scenario, Report, and Setting (highlighted with a home icon below). The main area is titled 'Setting' and contains a sub-menu on the left with 'Admin', 'Account Management', 'Device Library', 'Parameter Setting', 'Backup & Recovery', 'Report Settings' (highlighted), and 'Version Info'. A 'Logout' button is at the bottom of this sub-menu. The 'Report Settings' section includes: 'Report period' set to 'Month'; 'Send function' with a toggle switch; 'Sender' field with email '1058602081@qq.com' and a 'Verify' button; 'Recipient' field with a placeholder 'Please enter Recipient email address.' and a '+' button; 'Frequency' section with three dropdowns set to 'Monthly', '1', and '01:00'; and a 'Select report of:' section with five buttons: 'Energy Measurement', 'Devices', 'Failure Alert', 'Emergency Light AutoTest', and 'Heatmap'. A 'Save' button is at the bottom right.

Pic 37