

RCW-800Wifi

User Manual

Overview

RCW-800Wifi is a temperature and humidity monitor based on Internet of Things technology. It is widely used in foodstuffs, catering, logistics and industries that require HACCP system certification. It can transmit data via Wi-Fi to Elitech Cloud. Users can view, manage and monitor data online remotely by browser or smart phone APP. It can send alarm reminders via Cloud and buzzer. The device has one temperature-humidity-combined sensor. With a built-in rechargeable lithium battery, it can provide real-time data uploading and platform alarm service even in case of cold storage power outage.

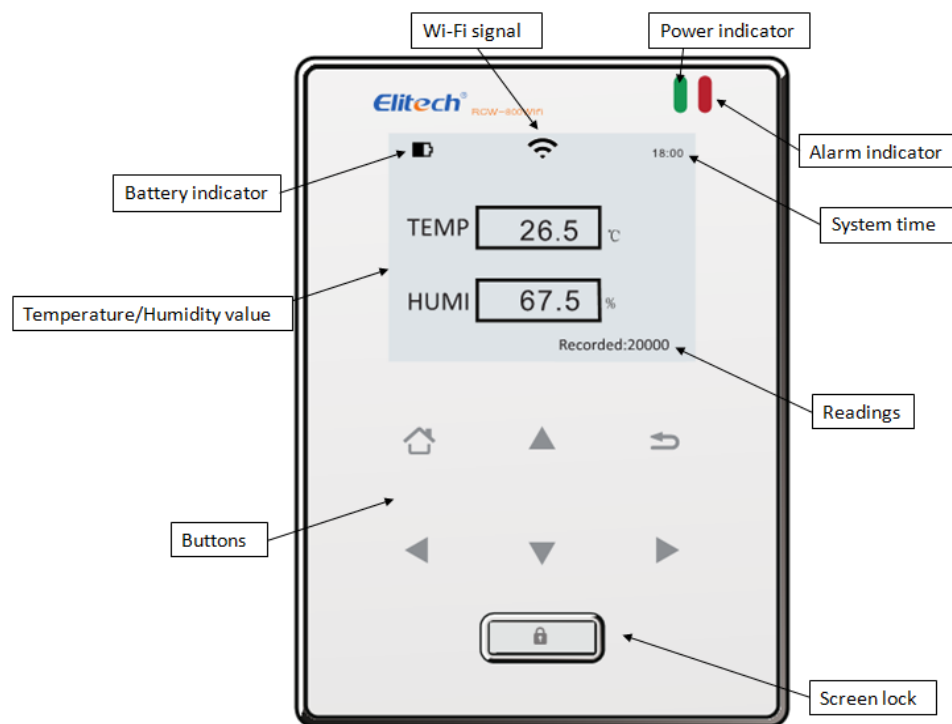
Features

- Adopt high sensitivity probe with short response time
- Keep running for at least 6 hours after power supply cut-off.
- Set alarm thresholds and alarm reminder. The LED indicator will flash and buzzer will beep in case it is beyond the thresholds.
- Set uploading interval and control data records freely.
- Record 20000 readings, with no data storage limit in server.
- Connect Wi-Fi access point, collect data and upload real-time data to the Cloud.
- Export data flexibly in multiple formats via the Cloud.

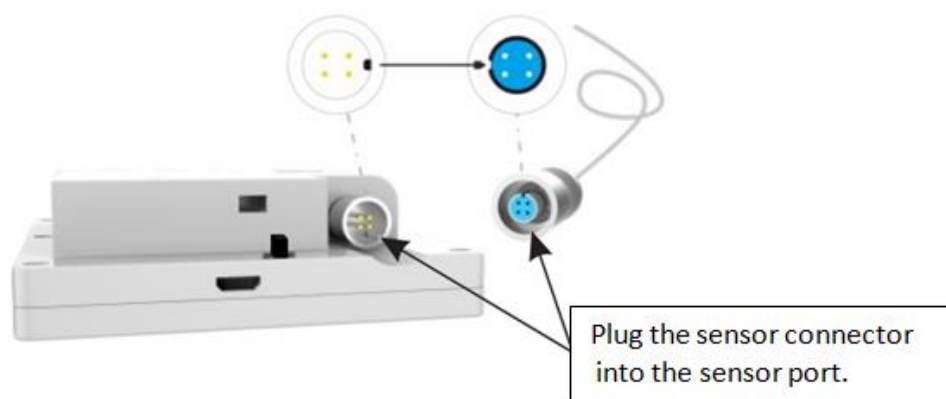
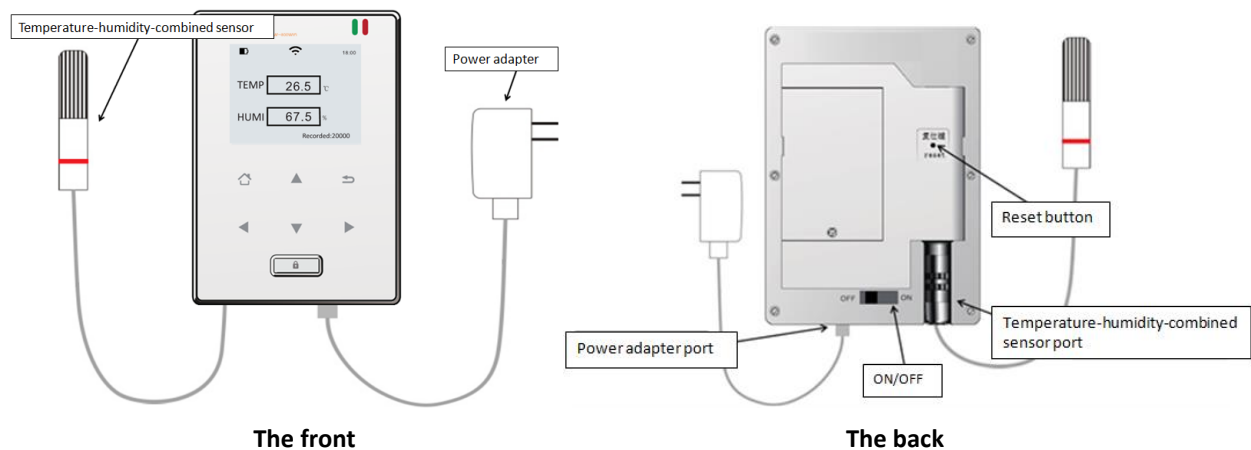
Specifications

- Power supply: 5V/1A(DC)
- Measurement range: Temperature: -40℃~80℃ ; Humidity: 10~95%RH
- Accuracy: Temperature: $\pm 0.5^{\circ}\text{C}$ (-20℃~ 40℃); $\pm 1^{\circ}\text{C}$ (others); Humidity: $\pm 5\%$ RH
- Temperature resolution: 0.1℃
- Temperature sensor: NTC; Humidity sensor: Honeywell
- Temperature/Humidity sensor wire length: 2m
- Data uploading interval: 1 min to 24 hours
- Off-line record capacity: 20,000 readings
- Alarm output: LED indicator, buzzer, platform reminder
- Communication port: Wi-Fi
- Standby battery: 3.7V 1100mAh lithium battery

Appearance



How to install



How to connect the sensor

Touch buttons



: enter a menu item.



: shift left/right to change parameters.



: shift up/down to select the desired item.



: return to last interface.



: lock/unlock the screen.

How to obtain GUID

Step 1: Click  in the main interface.

Step 2: Use  and  to locate the cursor at “5. About the device”.

Step 3: Click  to gain the GUID (20-digit number).

Change network to Wi-Fi

1. Use a computer with a wireless LAN to change the device's network to Wi-Fi.

After the device is turned on, press the reset button on the back of the device for about 5 seconds to restart it.

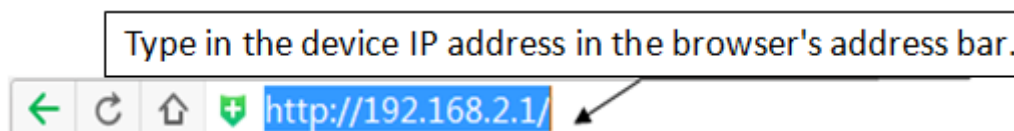


2. Connect the wireless network: 800wifi *****

Use a computer that can connect to a wireless network, turn on the wireless network, search for wireless signals and connect to the corresponding device's wireless network: "800wifi *****".



3. Log in the device IP address: <http://192.168.2.1>

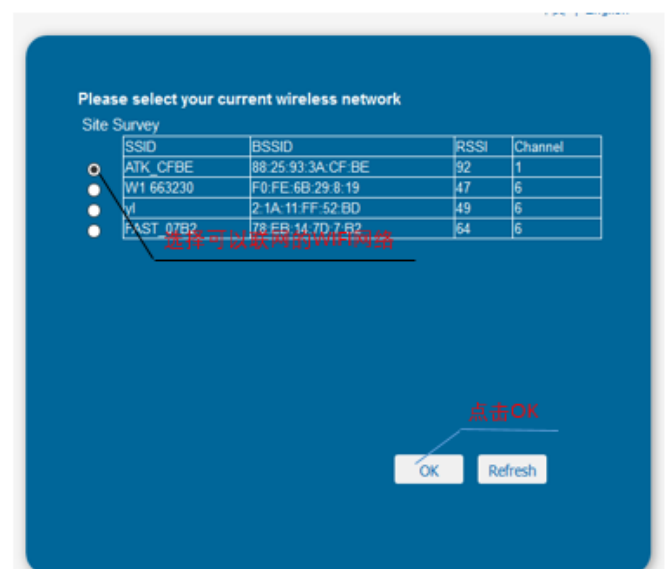
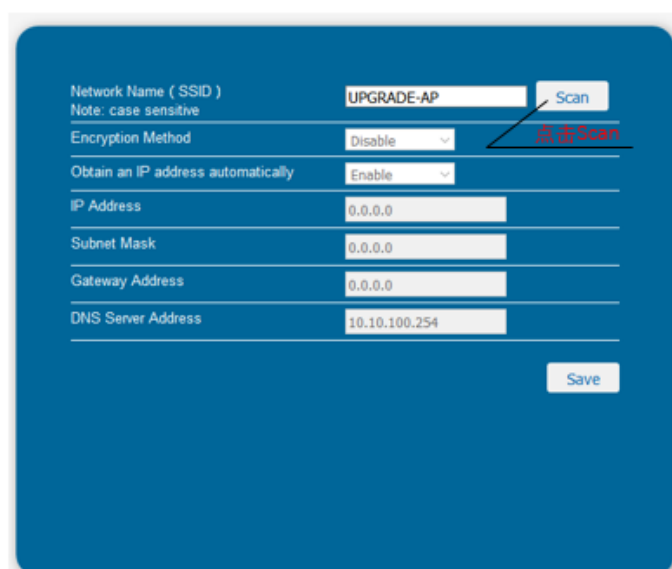
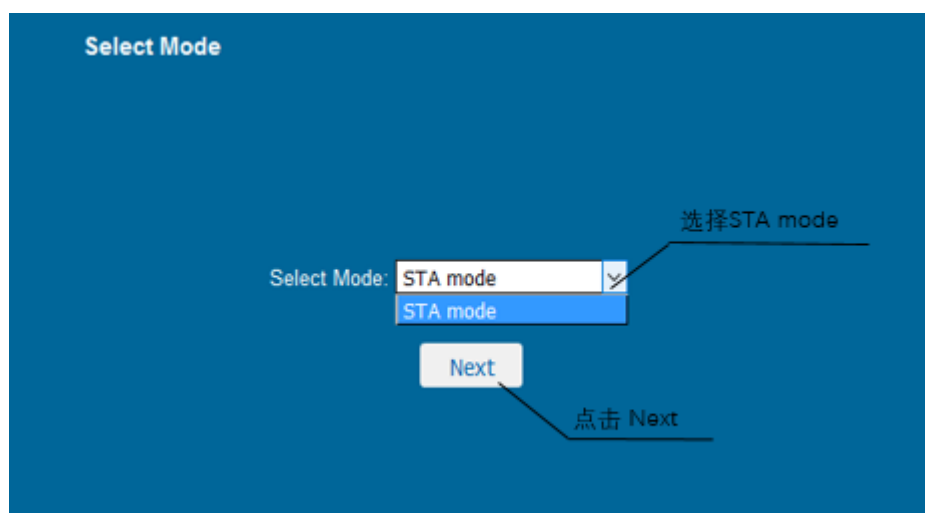


4. Log in

User name: admin; original password: admin.



5. Setting interface



Network Name (SSID)
Note: case sensitive

Encryption Method

Encryption Algorithm

Password
☐ Show passwords

Obtain an IP address automatically

IP Address

Subnet Mask

Gateway Address

DNS Server Address

点击 Save

Saved Successfully!

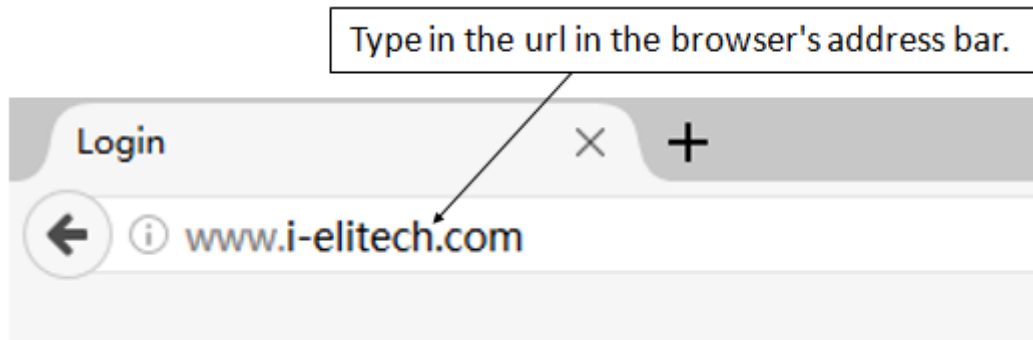
Configurations will take effect after restart.
After restart, you will need to re-login the configuration interface for other settings, so it is recommended to restart after completing all settings.
Please click [Restart] to restart now, or click [Back] to continue setting.
You can restart after all configuration.

点击 Restart

How to use Elitech Cloud

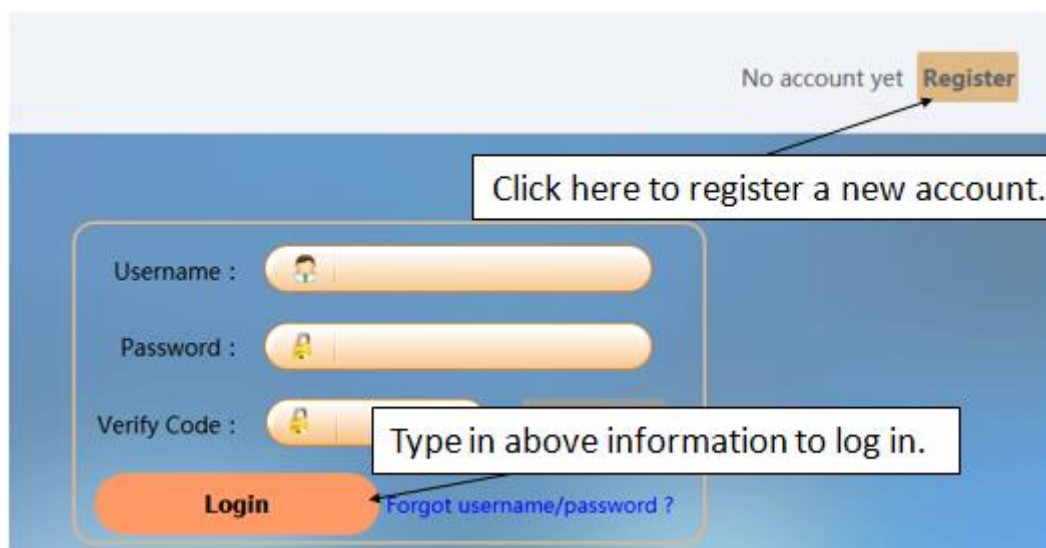
1.Type in url

Open the url www.i-elitech.com



2.Log in or register

Use your username and password to log in the Cloud if you have an account. If you are new, please register an account.



3.Add device

Click “Devices”-> “Add Device”, type in GUID (30-digit number) and device name, and click “Save”.

The screenshot shows the 'Devices' management interface. At the top, there are three tabs: 'Device List', 'Add Device', and 'Authority'. The 'Add Device' tab is selected. Below the tabs, there is a 'Devices' section with a search bar labeled 'Device :', a dropdown menu set to 'All', and a 'Query' button. Below this is a table listing devices. The table has columns: Device, sensor1, sensor2, sensor3, sensor4, Device sta, PushTime, and Operation. The 'Operation' column contains 'Operation' and 'Delete' links for each device. A callout box labeled '1. Click “Devices”.' points to the 'Devices' icon in the left sidebar. Another callout box labeled '2. Click “Add Device”.' points to the 'Add Device' tab.

	Device	sensor1	sensor2	sensor3	sensor4	Device sta	PushTime	Operation
1	COLD1	Closed	33.3%RH	--	--	Normal	Offline	Operation Delete
2	RCW-200	24.8°C	32.0%RH	25.7°C	29.0%RH	Alarm	Offline	Operation Delete
3	RCW-310	29.0°C	59.0%RH	Closed	Closed	Alarm	2017-08-20 13:30:16 (GMT+08:00)	Operation Delete
4	RCW-600WiFi	22.8°C	20.7°C	--	--	Normal	Offline	Operation Delete
5			Closed	--	--	Normal	Offline	Operation Delete
6			25.9°C	--	--	Normal	Offline	Operation Delete
7	W1H	24.7°C	48.3%RH	--	--	Normal	Offline	Operation Delete

The screenshot shows the 'Add Device' form. At the top, there are three tabs: 'Device List', 'Add Device', and 'Authority'. The 'Add Device' tab is selected. Below the tabs, there are four input fields: 'Device ID :', 'Device :', 'Device Timezone :', and 'Maintaince Info :'. The 'Device ID' field contains the value '43730696288651577878'. The 'Device' field contains the value 'RCW-800WIFI'. The 'Device Timezone' field contains the value '(GMT+08:00)China Standard Time'. The 'Maintaince Info' field is empty. A 'Save' button is located at the bottom right. Five numbered callout boxes provide instructions: 1. Click “Devices”. (points to the 'Devices' icon in the left sidebar), 2. Click “Add Device”. (points to the 'Add Device' tab), 3. Type in device ID (Find it in “How to obtain GUID”). (points to the 'Device ID' field), 4. Type in device name (user-defined). (points to the 'Device' field), and 5. Select a time zone the device is used. (points to the 'Device Timezone' field).

Device ID : 43730696288651577878

Device : RCW-800WIFI

Device Timezone : (GMT+08:00)China Standard Time

Maintaince Info :

Save

4.Set parameters

Device List Add Device Authority

Devices

Device : Model : All Project : All Query

	Device	sensor1	sensor2	sensor3	sensor4	Device sta	PushTime	Operation
1	RCW-200	24.8°C	33.3%RH	25.7°C	29.0%RH	Normal	Offline	Operation Delete
2	RCW-310	Closed	Closed	Closed	Closed	Alarm	2017-08-20 13:30:16 (GMT+08:00)	Operation Delete
3	RCW-600WiFi	Closed	Closed	--	--	Normal	Offline	Operation Delete
4	RCW-800WiFi	22.8°C	20.7°C	--	--	Normal	Offline	Operation Delete
5	RCW-800WiFi	22.8°C	20.7°C	--	--	Normal	Offline	Operation Delete
6	TemLog W1 Test	5.9°C	--	--	--	Normal	Offline	Operation Delete
7	W1H	8.3%RH	--	--	--	Normal	Offline	Operation Delete

ID: 43730696288651577878 SUB-ID: 0 Project: Cold Storage Creator: iot_admin Model: RCW-600WiFi

Edit Push record Data Chart State Alarm Hand Over Push config

Device ID :

Device : Device Timezone :

Maintaince Info :

Change device name.

Click here to save the changes.

Save

Change device parameters at the bottom of this page.

Record Interval

Record Interval

Click here to modify device parameters.

Set

General

Set time Set

Set probe name

Sensor1 Set

Sensor2 Set

Set probe parameter

Sensor1 Type : Lower limit : Upper limit : Correction value : Set

Alarm Delay Time : Enable :

Sensor2 Type : Lower limit : Upper limit : Correction value : Set

Alarm Delay Time : Enable :

Set Record Interval

Set Record Interval Set

5.View data and chart

Device List Add Device Authority

Devices

Device : Model : All Project : All Query

	Device	sensor1	sensor2	sensor3	sensor4	Device sta	PushTime	Operation
1			33.3%RH	--	--	Normal	Offline	Operation Delete
2	RCW-200	24.8°C	32.0%RH	25.7°C	29.0%RH	Alarm	Offline	Operation Delete
3	RCW-310			Closed	Closed	Alarm	2017-08-20 13:30:16 (GMT+08:00)	Operation Delete
4	RCW-600W			--	--	Normal	Offline	Operation Delete
5	RCW-800WiFi	22.8°C	20.7°C	--	--	Normal	Offline	Operation Delete

ID: 43730696288651577878 SUB-ID: 0 Project: Cold Storage Creator: iot_admin Model: RCW-600WiFi

Edit Push record Data Chart State Alarm Hand Over Push config

6	TemLog W1 Test	25.8°C	25.9°C	--	--	Normal	Offline	Operation Delete
7	W1H	24.7°C	48.3%RH					Operation Delete

1. Click "Devices".

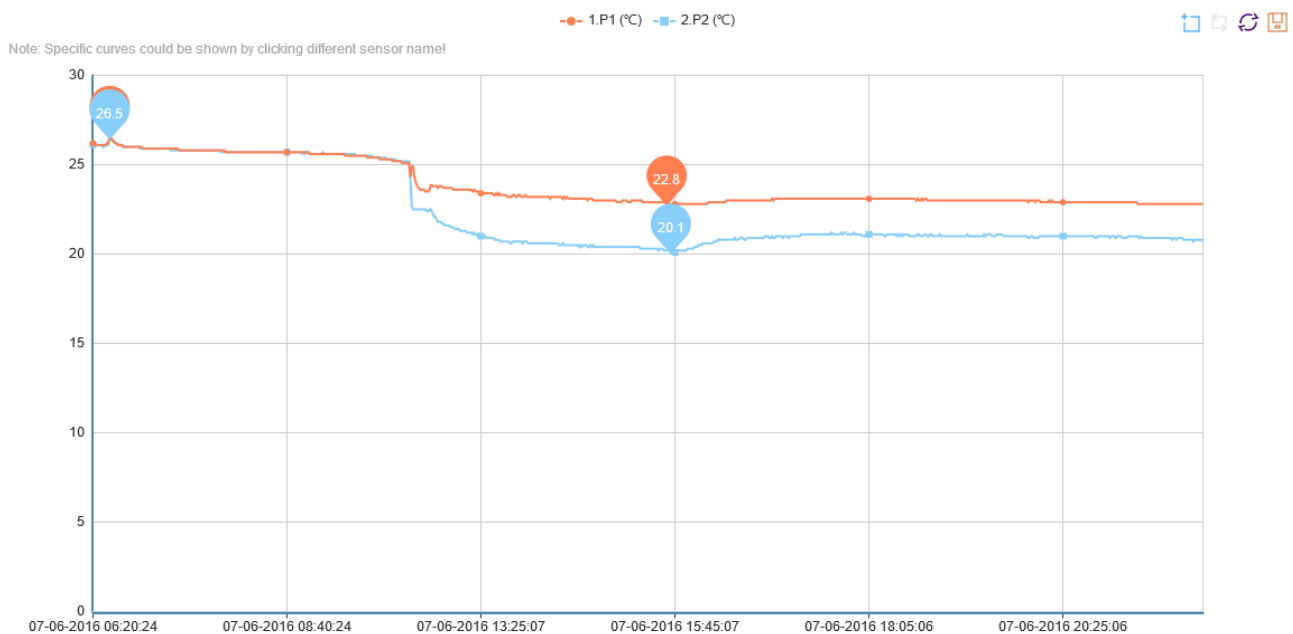
2. Click the device to be edited.

3. Click "Data" or "Chart" to view related information.

43730696288651577878[0] RCW-600WiFi Data

Date: 06/01/2016 00:00:00 ~ 06/07/2016 23:59:59 Query Export Data

	Record Time	P1	P2
1	2016-06-07 22:06:06(GMT+08:00)	22.8°C	20.7°C
2	2016-06-07 22:05:06(GMT+08:00)	22.8°C	20.8°C
3	2016-06-07 22:04:06(GMT+08:00)	22.8°C	20.8°C
4	2016-06-07 22:03:06(GMT+08:00)	22.8°C	20.8°C
5	2016-06-07 22:02:06(GMT+08:00)	22.8°C	20.8°C
6	2016-06-07 22:01:06(GMT+08:00)	22.8°C	20.8°C
7	2016-06-07 22:00:06(GMT+08:00)	22.8°C	20.8°C
8	2016-06-07 21:59:07(GMT+08:00)	22.8°C	20.7°C
9	2016-06-07 21:58:06(GMT+08:00)	22.8°C	20.8°C
10	2016-06-07 21:57:06(GMT+08:00)	22.8°C	20.8°C



6.Push configuration

Push alarm information via the Cloud platform.

1. Click "Devices".

2. Click the device to be edited.

3. Click "Push config" to set pushinformation.

Device	sensor1	sensor2	sensor3	sensor4	Device sta	PushTime	Operation
1	RCW-200	24.8°C	33.3%RH	--	Normal	Offline	Operation Delete
2	RCW-310	Closed	Closed	--	Alarm	2017-08-20 13:30:16 (GMT+08:00)	Operation Delete
3	RCW-600Wifi	Closed	Closed	--	Normal	Offline	Operation Delete
4	RCW-800Wifi	22.8°C	20.7°C	--	Normal	Offline	Operation Delete

Device ID : 33378505907185161802 Device : RCW-800Wifi

Alarm push config:

Repeat alarm push interval: 10Minutes Repeat alarm push times: 3Time

State push config:

Push the hour 1 (real-time data): 8: 00 Push the hour 2 (real-time data): 13: 00

Push the hour 3 (real-time data): 18: 00

Email push: ☒ Enable

No.	Recipient name	Email address
1		
2		
3		
4		
5		

The email address to receive the alarm info.

Save