



ecMonitor®

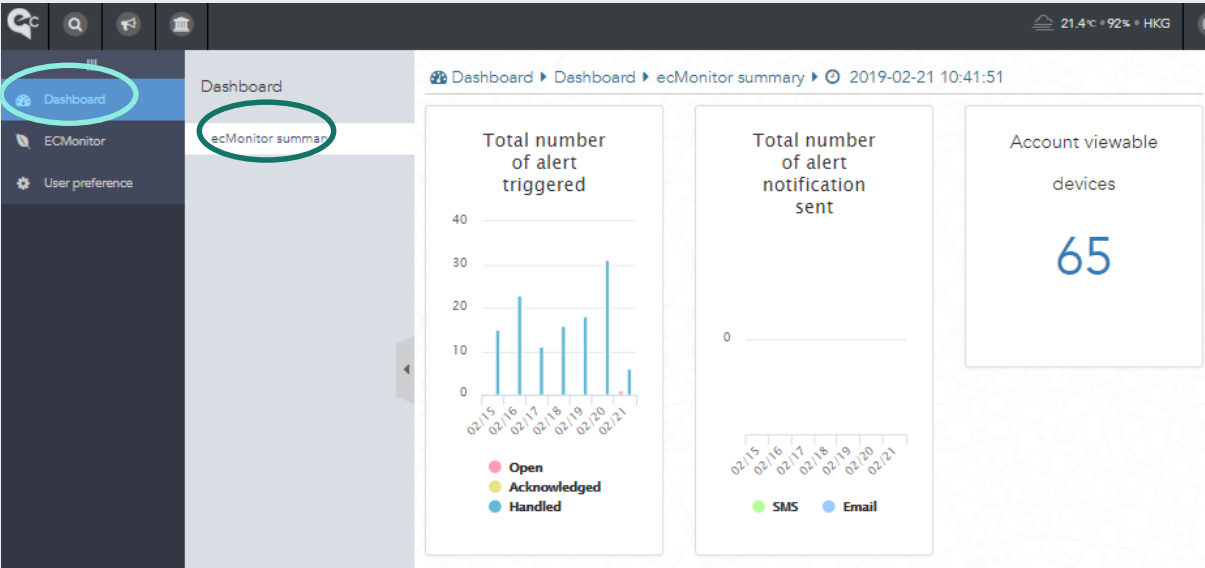
# Website Flow V1.2.1



**Website address:**

<https://iot.ectrak.com.hk/>

# Dashboard



[Dashboard]>[ecMonitor Summary]

- A summary of all alerts, including the total number of alerts triggered, alert notification sent and all viewable devices.

# Monitor Center

ECMonitor > ecMonitor > Monitor center

2019-02-21 10:58:01

25

Device name	Readings	Action
Enma Test 附屬工業中心 > 12F > 女廁 0000282 NB-IoT	2019-01-31 17:18:44 25.6 °C, 46 %	詳情
1725_GW 附屬工業中心 > 12F > 男廁 0000228 NB-IoT	2019-01-31 16:32:44 3.946 V, 22.6 °C, 57 %	詳情
1782F_Test 附屬工業中心 > 12F 0000342 NB-IoT	2019-01-24 14:20:57 24.1 °C, 78 %, 20 µm/m3, 866 ppb, 60 ppb, 168 ppb, 967 ppb	詳情
3094_Demo 附屬工業中心 > 12F > 廁所水泵房 0000227 NB-IoT	2019-01-14 12:52:19 正常, 26.5 °C, 47 %	詳情
CSL_17034 附屬工業中心 > 11F > CSL Signal Test 0000232 NB-IoT	2019-01-08 20:33:46 3.112 V, 25 °C, 59 %	詳情

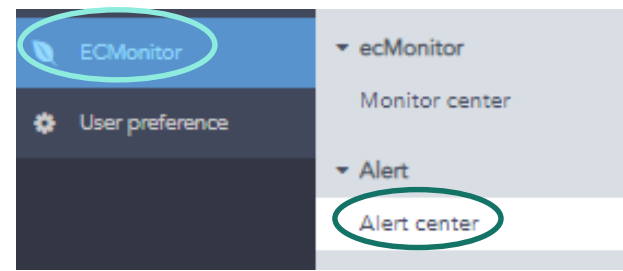
[ECMonitor] > [Monitor Center]

- All sensor's readings will be shown in list view, data includes device name, location, battery, temperature, humidity.
- Only last 12 hours records will be displayed

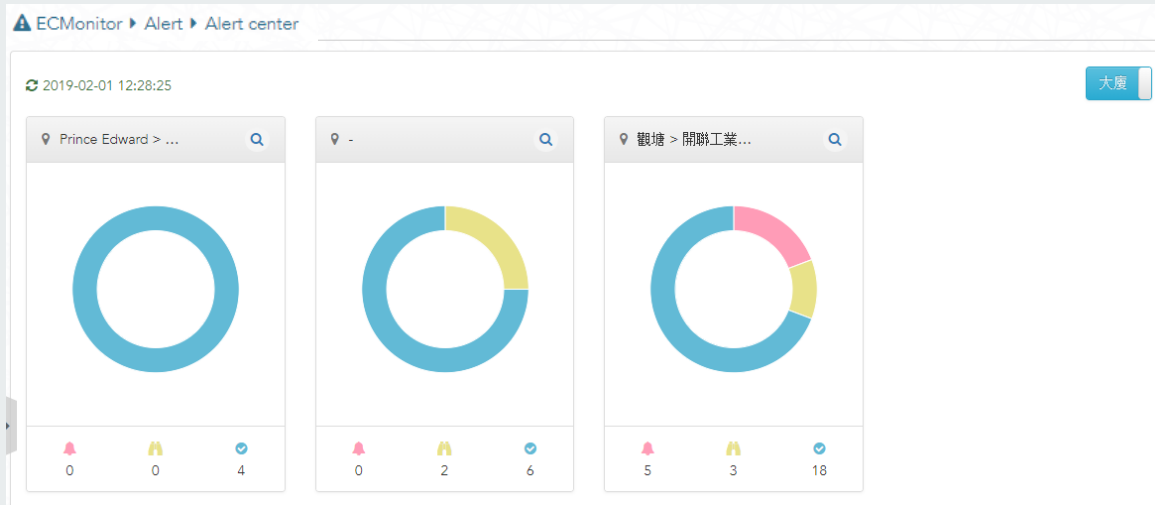


# Introduction to alert handling – New Alert

# Alert Center



「ECMonitor」 > [Alert Center]



Alert Centre page will show :

- All alerts from the building
- Alert will appear in RED colour and
- Alert sound will turn on when alert triggered
- Three colours indicate three types of state:

**RED:** New alert

**YELLOW:** Acknowledged

**BLUE:** Handled with reason code

# Alert Notification

User will receive notifications when the alerts triggered. Notifications will send to custom phone numbers via SMS, or through email.

## SMS Alert



## Email Alert



Open

Acknowledge

Handled



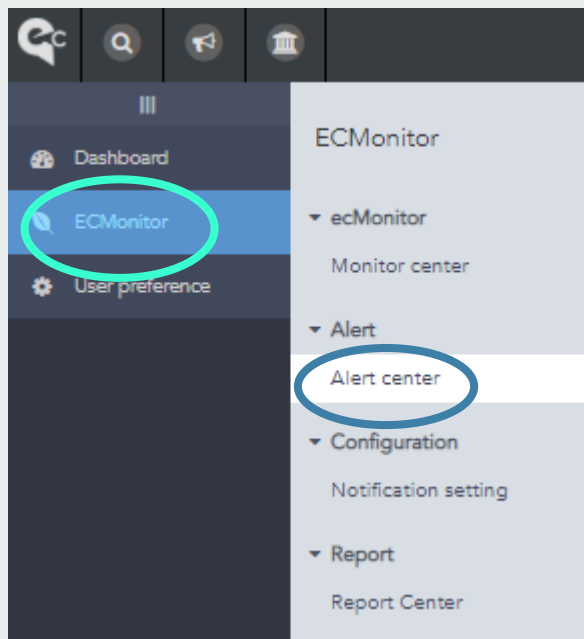
# Introduction to alert handling – Acknowledge



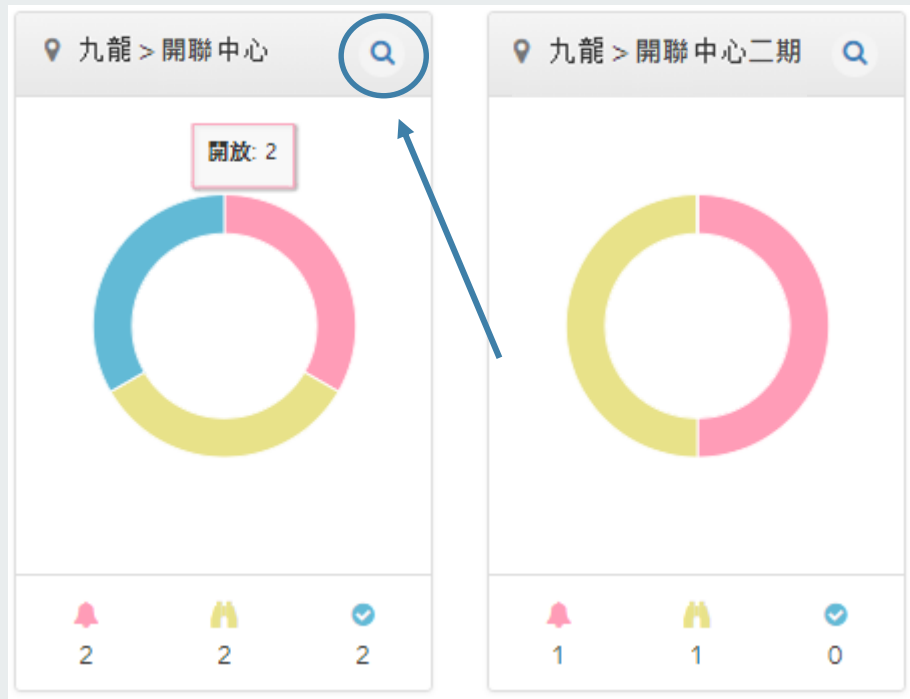
# Acknowledge

When there is an open alert shows on the alert center, you have to change the status to “Acknowledge”, as well as the description of acknowledge.

## 1. Select ECMonitor > Alert Center



## 2. Select the “Q” Logo



Open

Acknowledge

Handled

# Acknowledge

3. Select “Detail” of an alert with open status

ECMonitor ▶ Alert ▶ Alert center

Loading...

25

Status	Alert Info	Triggered date	Action
Open	Ref #7354 門禁 SHIO Door	2019-02-21 10:12:54	Detail
Open	Ref #5863 門禁 SHIO Door	2019-02-14 10:41:08	Detail
Open	Ref #5823 門禁	2019-02-13 15:51:04	Detail

4. Choose a acknowledged reason, then save

Open | Ref #4765 | 檢測到移動 @2019-01-30 14:34:49  
九龍 > 關聯中心 > 12/F > 正門入口

Notification name: 檢測到移動

Triggered date: 2019-01-30 14:34:49

Location: 九龍 > 關聯中心 > 12/F > 正門入口

Triggered reading: 1-

Device name: 6000F\_移動

Client ID: 0000318

Acknowledge description \*

- Choose --
- Choose --
- 10分鐘內到達
- 不在附近 (需要10分鐘或以上)
- 例子檢查
- 外判商工作
- 維修
- 清潔

SHIO Motion

Trigger when: Below -10 , Above 0.5 -

Weekday: Sun Mon Tue Wed Thu Fri Sat

Time: 00:00 - 00:00

Close Acknowledge Bypass

Open

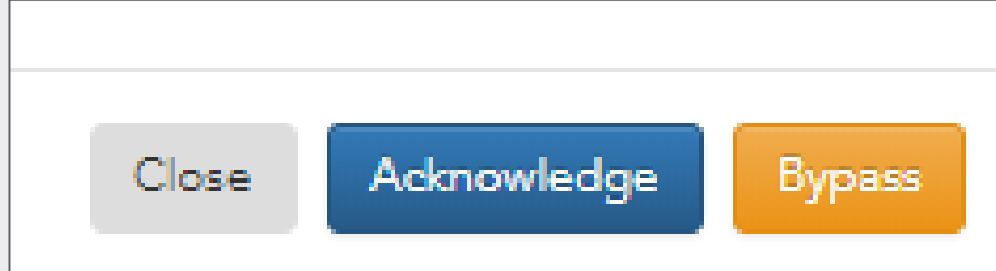
Acknowledge

Handled

# Acknowledge

5. The Alert status will turn to “Acknowledge” if select “acknowledge” after filling infos.

6. If choose “By Pass”, that alert will turn to “Handled” directly. Normally it uses for some regular or known action.





# Introduction to alert handling – Handle

# Handle

1. Select “Detail” of an alert with acknowledge status

ECMonitor ▶ ecMonitor ▶ Alert center

2018-07-05 13:39:23

25

ad

Status	Alert Info	Action
✓ Acknowledged	Water Alert Normal (Development) Flood detection	Detail
✓ Acknowledged	Water Alert Normal (Development) Flood detection	Detail
✓ Acknowledged	Water Alert Normal (Development) Flood detection	Detail
✓ Acknowledged	Water Alert Normal (Development) Flood detection	Detail
✓ Acknowledged	Water Alert Normal (Development) Flood detection	Detail

2. Choose a handled reason, then save

Acknowledged | PATRICK TEST - NORMAL TRIGGER @2018-06-21 09:08:32

Office Area > Hoi Luen Industrial Centre

Notification name: PATRICK TEST - NORMAL TRIGGER

Triggered date: 2018-06-21 09:08:32

Location: Office Area > Hoi Luen Industrial Centr

Triggered reading: 0-

Device name: NB\_Sensor\_5544

Email notification sent: 2018-06-21 09:08:32

Client ID: 0000149

Acknowledge description: ECM-ACK-01

Acknowledged by: Ben Liu | ben.liu@stone-road.net

Handle description \*  
-- Choose --  
-- Choose --  
ECM-HANDLE-02 去水位卡住  
ECM-HANDLE-03 定期測試  
ECM-HANDLE-01 水泵壞了

Weekday: Sun Mon Tue Wed Thu Fri Sat

Time

Open

Acknowledge

Handled

# Report Center

The screenshot displays the ECMonitor web application interface. On the left, a dark sidebar contains navigation items: 'Dashboard', 'ECMonitor' (highlighted with a red circle), and 'User preference'. The main content area shows a breadcrumb trail: 'ECMonitor > Report > Report Center'. Below the breadcrumb, there are links for '+ Add new entry' and 'Manage entries'. A 'Loading...' message is present above a table. The table has columns for 'Report ID', 'Report Type', and 'Action'. The table is currently empty, displaying 'No record found'. At the bottom, it shows 'Showing 0 to 0 of 0 entries' and navigation arrows.

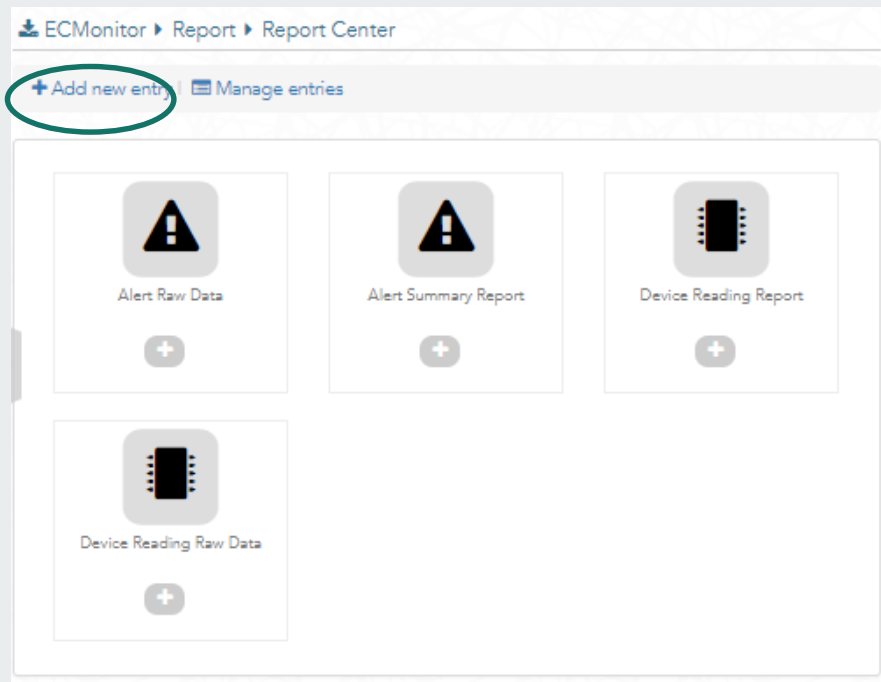
[ECMonitor] > [Report Center]

Allow generate several reports:

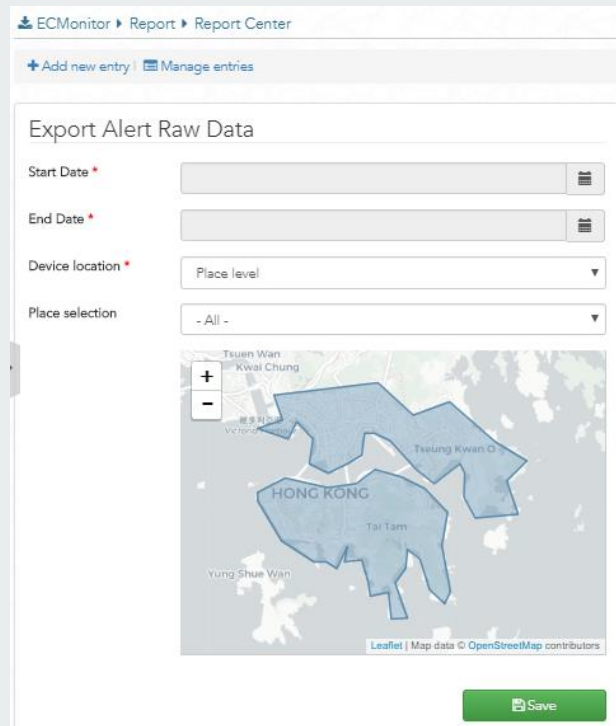
- Alert Raw Data
- Alert Summary Report
- Device Reading Report
- Device Reading Raw Data

# Report Center

1. Click [Add new entry]
2. Choose what kind of data need to be reviewed



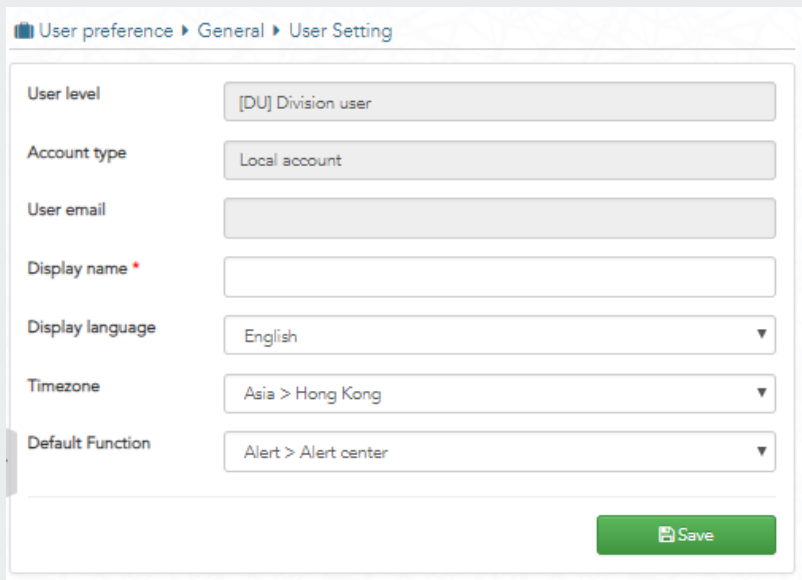
3. Fill in all columns include Date and Device
4. Select "Manage entries" and will show the detailed report



# User Preference

## [User Preference] > [User Setting]

Allows choosing the Display name, language and default function.



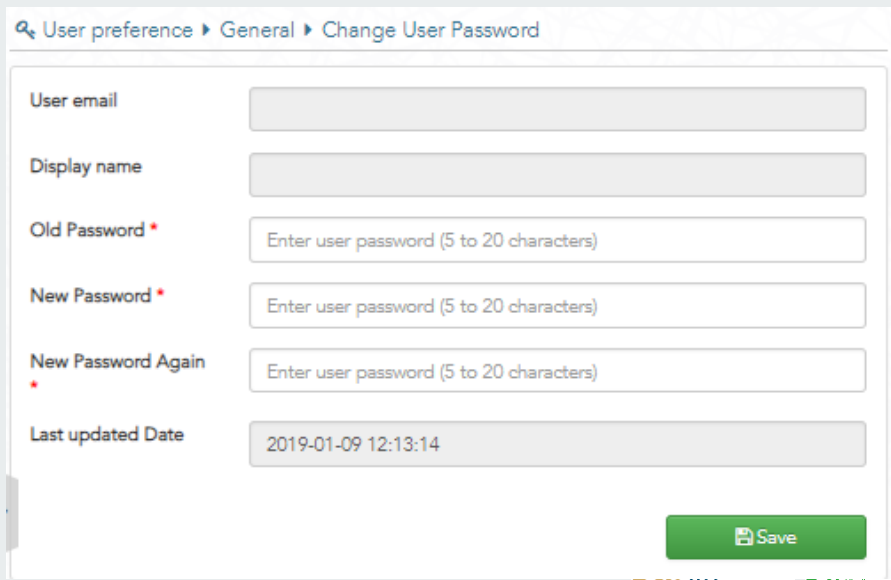
The screenshot shows the 'User Setting' page. The breadcrumb trail is 'User preference > General > User Setting'. The page contains several form fields:

- User level: [DU] Division user
- Account type: Local account
- User email: (empty)
- Display name \*: (empty)
- Display language: English (dropdown)
- Timezone: Asia > Hong Kong (dropdown)
- Default Function: Alert > Alert center (dropdown)

A green 'Save' button is located at the bottom right of the form.

## [User Preference] > [Change User Password]

Allows changing the password of login, password must be contain 5 to 20 characters.




The screenshot shows the 'Change User Password' page. The breadcrumb trail is 'User preference > General > Change User Password'. The page contains several form fields:

- User email: (empty)
- Display name: (empty)
- Old Password \*: Enter user password (5 to 20 characters)
- New Password \*: Enter user password (5 to 20 characters)
- New Password Again \*: Enter user password (5 to 20 characters)
- Last updated Date: 2019-01-09 12:13:14

A green 'Save' button is located at the bottom right of the form.

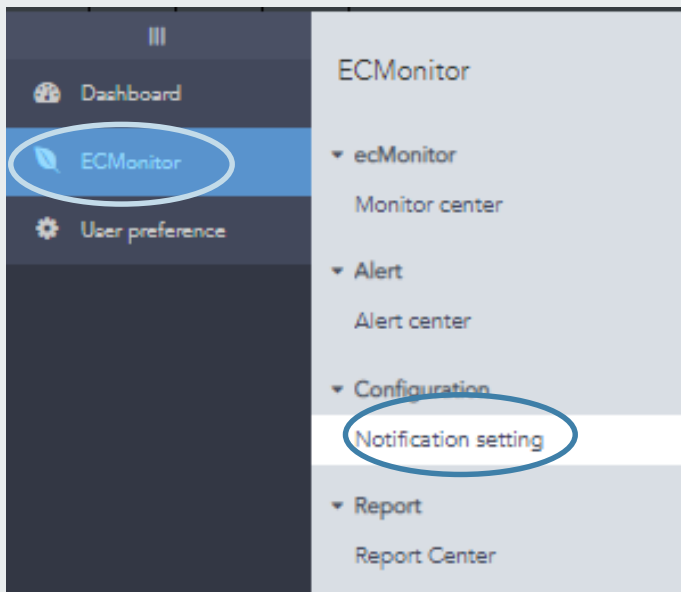




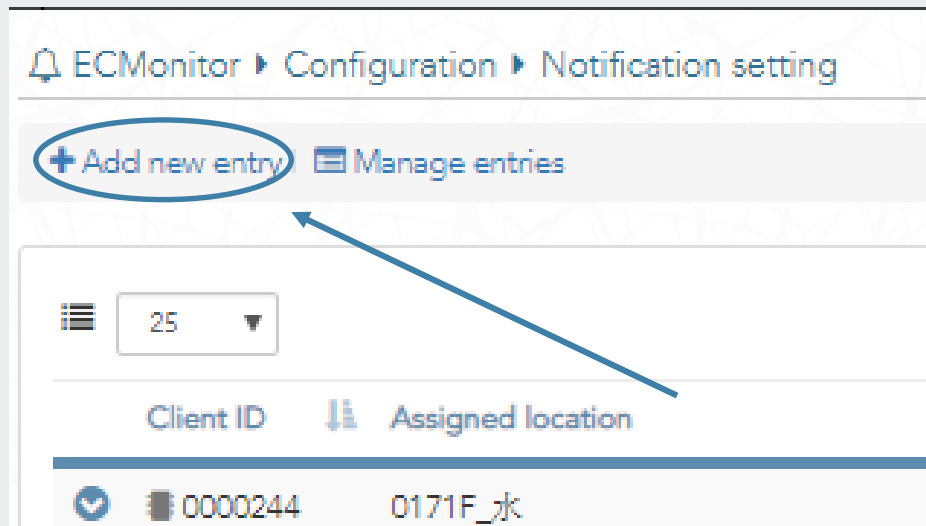
# System Admin – Create Alert

# Create Alert

1. [ECMonitor] > [Notification Setting]



2. [Add New Entry] and fill in all columns.



# Create Alert

3. Fill in the notification name and remarks

4. Select devices which based on installed location

ECMonitor ▶ Configuration ▶ Notification setting

+ Add new entry | Manage entries

**Notification rules** Trigger condition and actions

Notification name \*

Notification remarks

Device selection \*

Sensor selection \*

Entry status

More ▾

Save

Device selection \*

Sensor selection \*

Entry status

[0000360] 00171\_3HK\_Test  
視播 > 開聯工業中心 > 11F > CSL Signal Test

[0000354] 6039F\_Door  
視播 > 開聯工業中心 > 12F > 女廁

[0000356] 6427F\_Motion  
視播 > 開聯工業中心 > 12F > 天台

# Create Alert

5. Choose the sensor which for notification

選擇感應器 \*

狀態

啟用

-- 選擇 --

- 選擇 --
- Drain supply voltage  
Voltage
- Temperature sensor  
Temperature
- Humidity sensor  
Humidity
- I/O sensor  
Flood detection

6. Input the trigger value

何時觸發 \*

低於 請輸入低於值 V

大於 請輸入大於值 V

狀態

啟用


儲存

# Create Alert

7. Here are setting needed for several situations:

a. Alert when battery low:

Sensor selection \*

 Drain supply voltage > Voltage ▾


Trigger when \*

Below 1.5 V

Above Enter above value V

b. Alert when abnormal indoor temperature :

Sensor selection \*

 Temperature sensor > Temperature ▾

Trigger when \*

Below 20 °C


Above 30 °C

# Create Alert

7. Here are setting needed for several situations:

c. Alert when abnormal indoor humidity :

Sensor selection \*

 Humidity sensor > Humidity


Trigger when \*

Below Enter below value %

Above Enter above value %

d. Alert when flooding:

Sensor selection \*

 I/O sensor > Flood detection

Trigger when \*

Alert

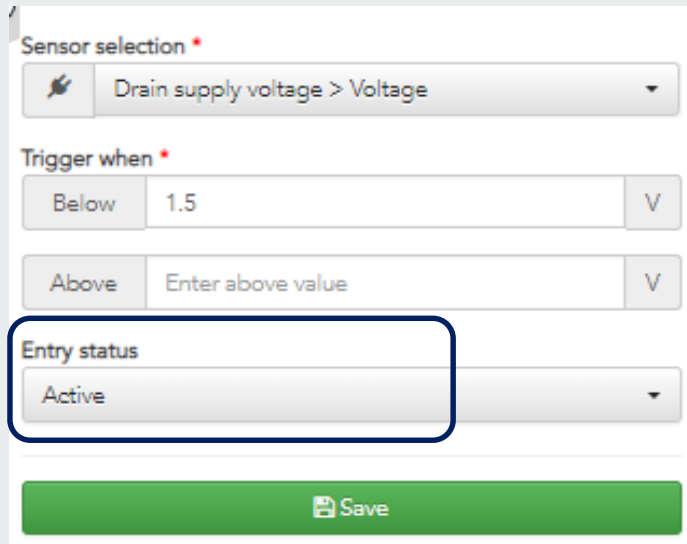
Alert notification when \*

1 trigger(s) occurred

# Create Alert

8. Select the entry status as Active

PS: Select disable when want to temporary disable the alert



Sensor selection \*

Drain supply voltage > Voltage

Trigger when \*

Below 1.5 V

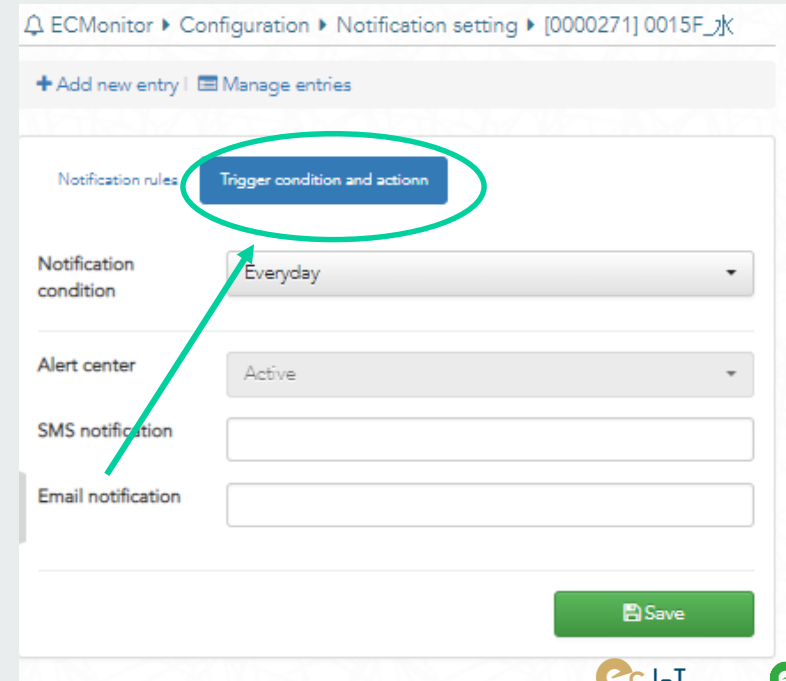
Above Enter above value V

Entry status

Active

Save

9. Enter [Trigger condition and action]



ECMonitor > Configuration > Notification setting > [0000271] 0015F\_水

+ Add new entry | Manage entries

Notification rules: Trigger condition and action

Notification condition: Everyday

Alert center: Active

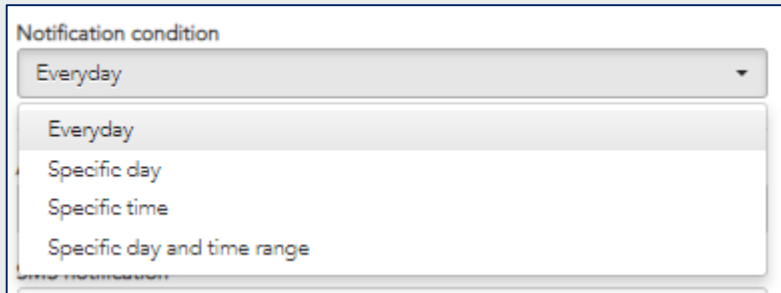
SMS notification

Email notification

Save

# Create Alert

10. Choose the condition of notification, eg: time or date range. System will only trigger alert in chose time range.



Notification condition

Everyday

Everyday

Specific day

Specific time

Specific day and time range



Notification condition

Specific time

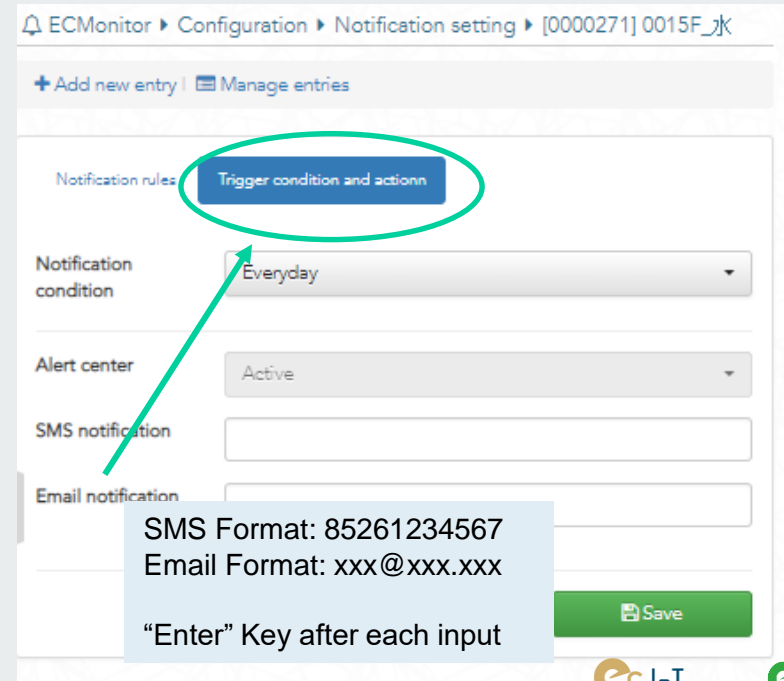
Start time \*

18:00

End time \*

09:00

11. Enter phone number and email which wanted to get notification of alerts. Then save and finish whole alert setting procedure.



ECMonitor > Configuration > Notification setting > [0000271] 0015F\_水

+ Add new entry | Manage entries

Notification rules: Trigger condition and actionn

Notification condition: Everyday

Alert center: Active

SMS notification

Email notification

SMS Format: 85261234567  
Email Format: xxx@xxx.xxx

Save

"Enter" Key after each input