ADD A DEVICE

Log in to the customer's admin account.

Steps:
Devices **>** Click on (+) Add a device

HTTP/MQTT DEVICE ACCESS TOKEN

The access token is the only required authentication to send data to a device.
To read/edit access token: Click on the newly created device.

Steps:
To copy access token: Click on "Copy access token"
To review/edit device token: Click on "Manage credentials"

SEND DATA TO THE DEVICE

Under each admin account, each device will be unique with respect to:
1. Device name given while creating the device.
2. Device access token.

There are two kinds of data for a device, they are:
1. **Telemetry data:** This data is received via device telemetry API
   - HTTP(S) telemetry API:
   https://dashboard.wisense.in/api/v1/ACCESS_TOKEN/telemetry
   - MQTT QoS- 0 & 1 telemetry API:
   Host: dashboard.wisense.in Topic: v1/devices/me/telemetry ,
   User: ACCESS_TOKEN, Port: 1883

2. **Attributes data:** This data is received via device attributes API
   - HTTP(S) attributes API:
   https://dashboard.wisense.in/api/v1/ACCESS_TOKEN/attributes
   - MQTT QoS- 0 & 1 attributes API:
   Host: dashboard.wisense.in Topic: v1/devices/me/telemetry ,
   User: ACCESS_TOKEN, Port: 1883

There is no difference or limitations between sending the two data, a device can send both data at any frequency or dynamicity.
But the dashboard has a standard convention that it expects dynamic/sensor payload as telemetry and static or one-time attributes of the device through attributes API. Both can be utilized in rule-chains without any difference as "client attributes" or "client telemetry".

TO SETUP DEVICE DASHBOARD

Dashboard pages can be imported from the JSON files provided.

Steps:
1. Go to dashboards **>** Click on (+) Import dashboard **>** Select JSON file
2. Once uploaded: Open dashboard
   Click on the "(✎) Enter edit mode" icon **>** Click on the top "Entity alias"
   > (✎) Edit alias **>** Give Alias name and Select "Device name " from the bottom dropdown
   > Click save
3. To rename dashboard: On "(✎) Edit mode" click on top bar "Manage dashboard states"
   > Click on "(✎) Edit dashboard state" **>** Change name **>** Click save

(Important: Do not forget to click (✔) to save the entire changes or (**X**) to discard those changes before saving.)

For alerts thresholds: Fill and save the threshold settings which will be empty initially. Settings will start working based on the input values once they are saved for the first time.

Now the device is linked to the dashboard and the dashboard is renamed.

RULECHAIN SETUP FOR ALERTS/ALARMS

Inorder to the alert features work "create_and_clear_alarm" rule-chain should be imported and made as **root** rule-chain.

Steps:
Go to "Rule Chains" **>** Import Rule-Chain **>** Upload "create_and_clear_alarm.json"
> Save (✔) **>** Click on (🏳) on the rule-chain row icons to make it as root

Now the new rule chain will control the data flow and will set up alerts and alarms based on the "Threshold" input w.r.t. each device dashboard.