

WiSense IoT Dashboard

WiSense IoT dashboard offers real-time sensor data collection and visualization on the cloud. The dashboard has a reliable and powerful cloud infrastructure including relational database management system and market-leading software stack which offers faster response time for data updates. The UI comes with various visualization options and also supports configurable SMS/Email alert and alarm generation features.

You can choose any cloud platform (AWS, Google, Microsoft Azure, etc) to host the dashboard.

Please note that WiSense will build and host the dashboard according to customer requirements. We can help even if you are not using WiSense hardware.

I. Login and account management:

The recommended option for dashboard access is a password-protected login. There is an optional password-less read-only view.

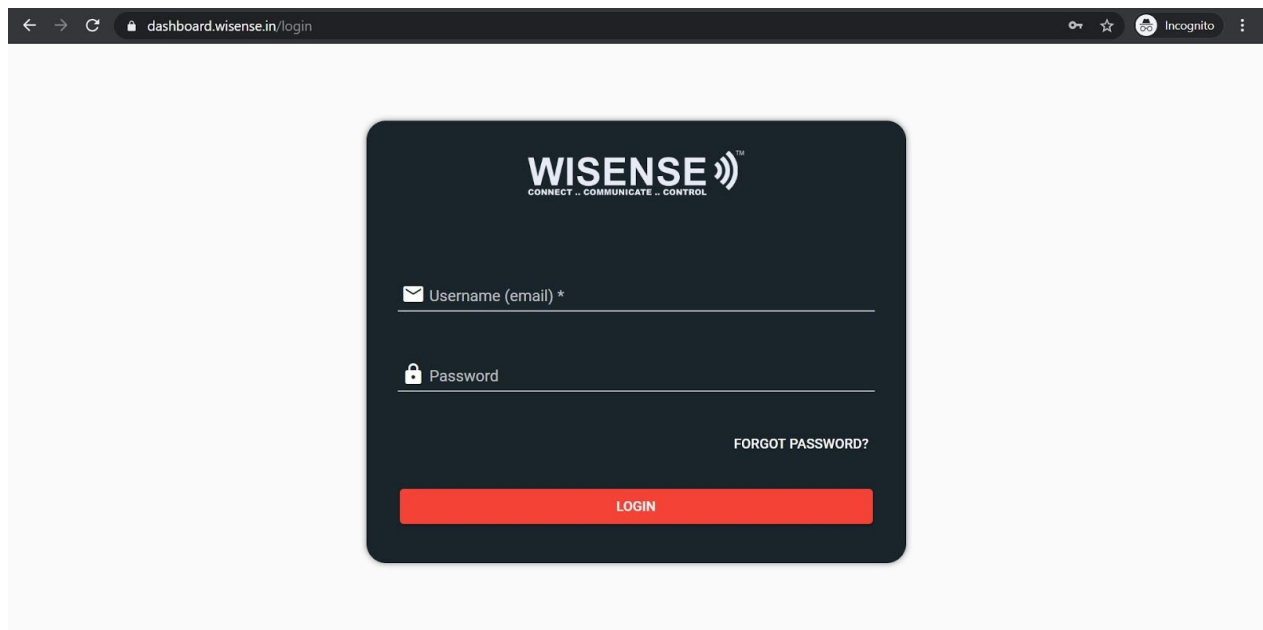


Fig 01- WiSense dashboard login page

II. Customer account:

Customer account privileges:

1. View dashboard
2. Change alert/alarm thresholds
3. Acknowledge alarms

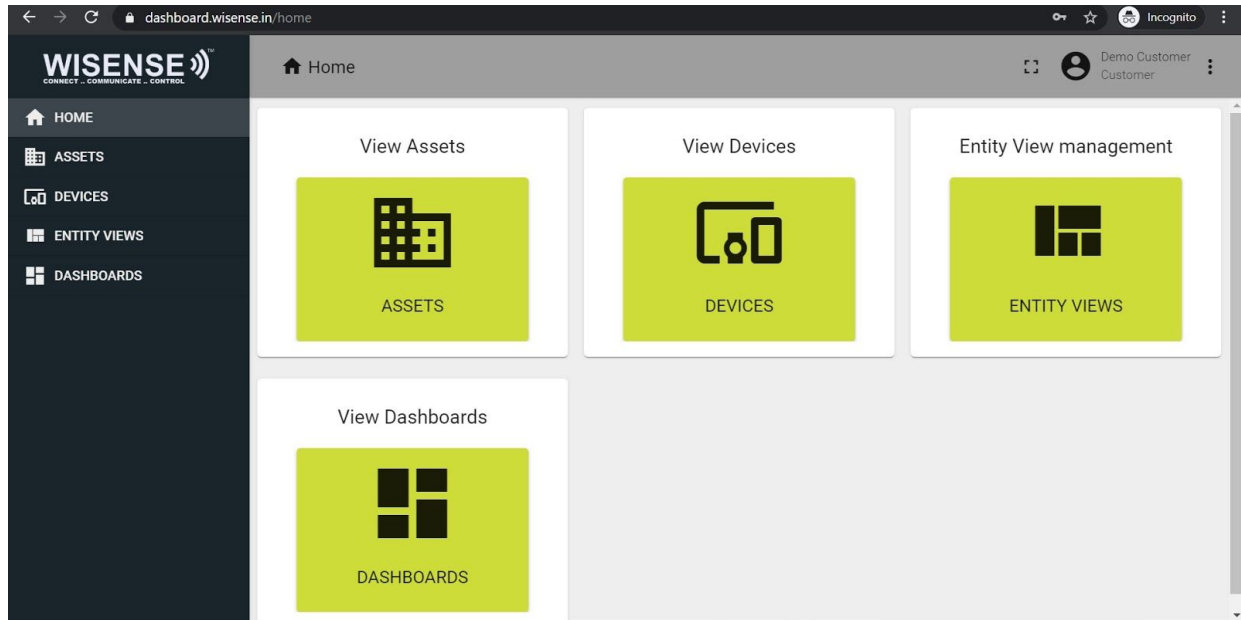


Fig 02- WiSense customer home page.

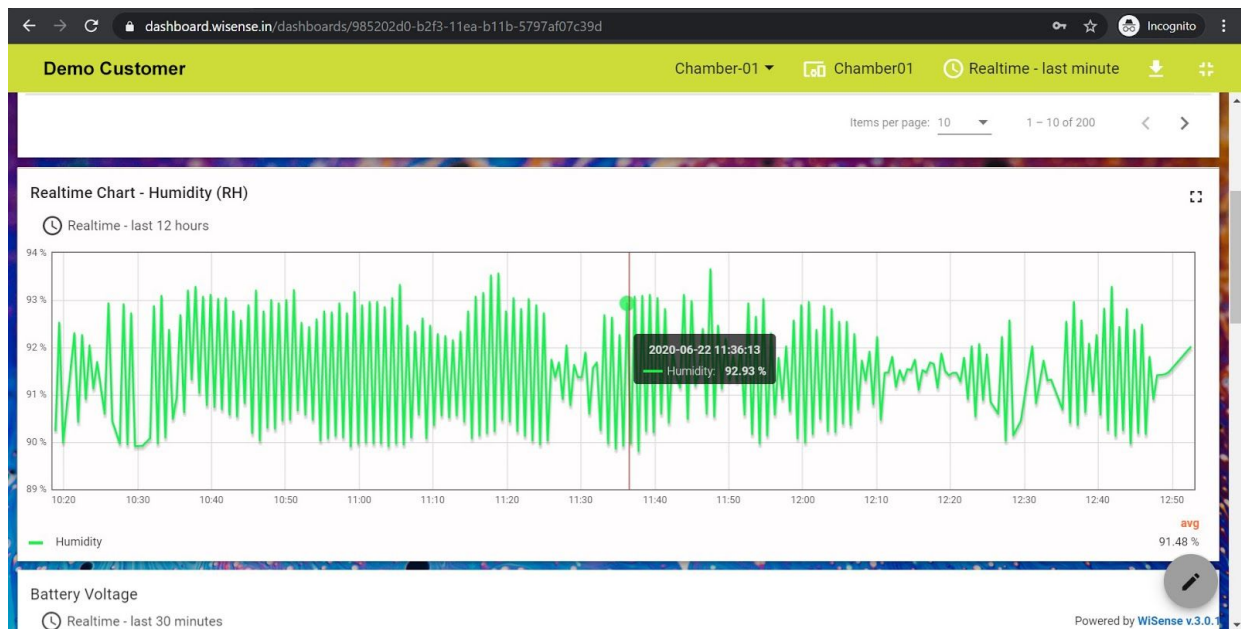


Fig 03- WiSense dashboard page - Time Series Plot.

III. Dashboard page

The visualizations include Time-series graphs, time-series tables, data update time, alarm views, alarm/alerts threshold cards, etc.

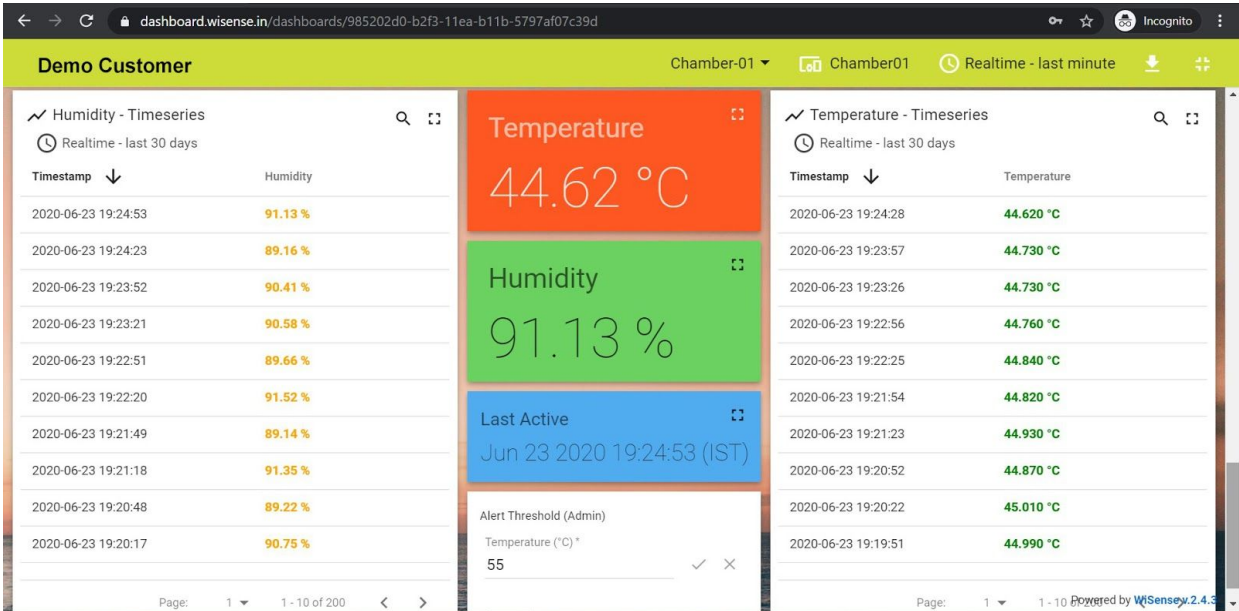


Fig 04- WiSense dashboard page - Latest value cards, realtime table.

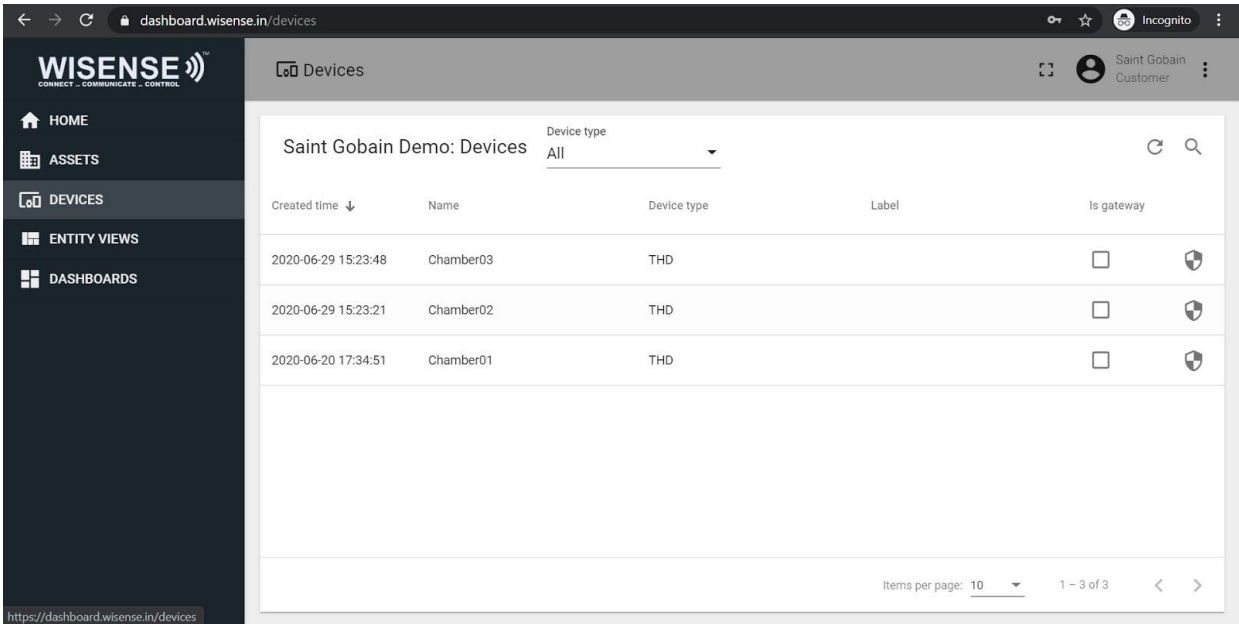


Fig 05- WiSense dashboard - List of devices page.

IV. Alerts/Alarms generation:

The dashboard can create alarms based on the previously set threshold values in the “**Alert Threshold**” **input box**. Alarm generation can trigger SMS and Email alerts as well.

The threshold is configured for each device. There will be a configurable hysteresis level also (A redefined safe level after an alert is generated) which the device should re-attain in order to clear the active alarms. This value will be slightly less than the actual threshold for upper-threshold alarms, and a slightly higher value for lower -threshold alarms.

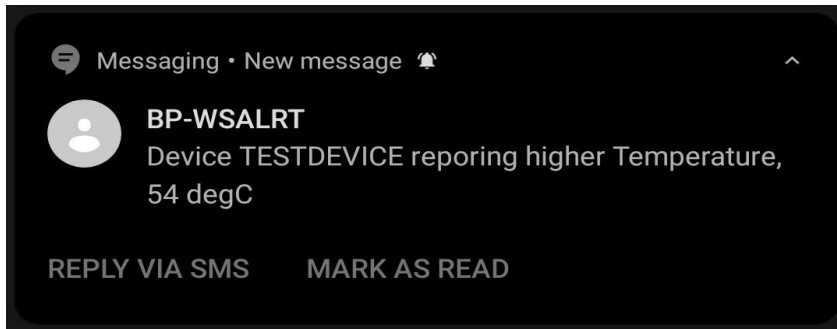


Fig 06- WiSense dashboard - Sample SMS alert.

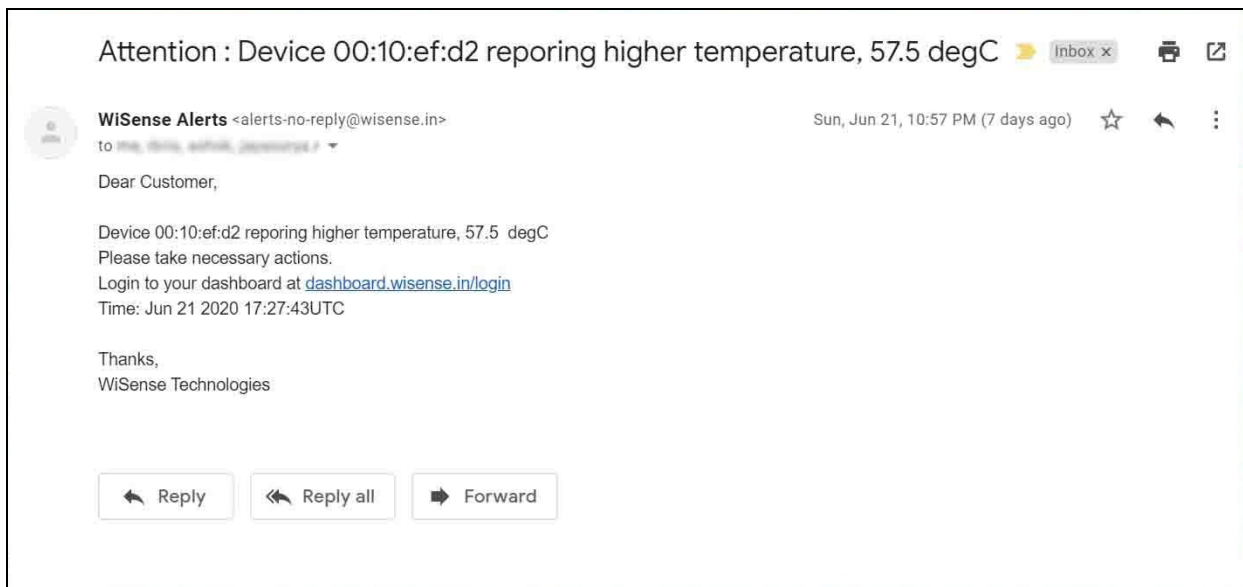


Fig 07- WiSense dashboard - Sample email alert.

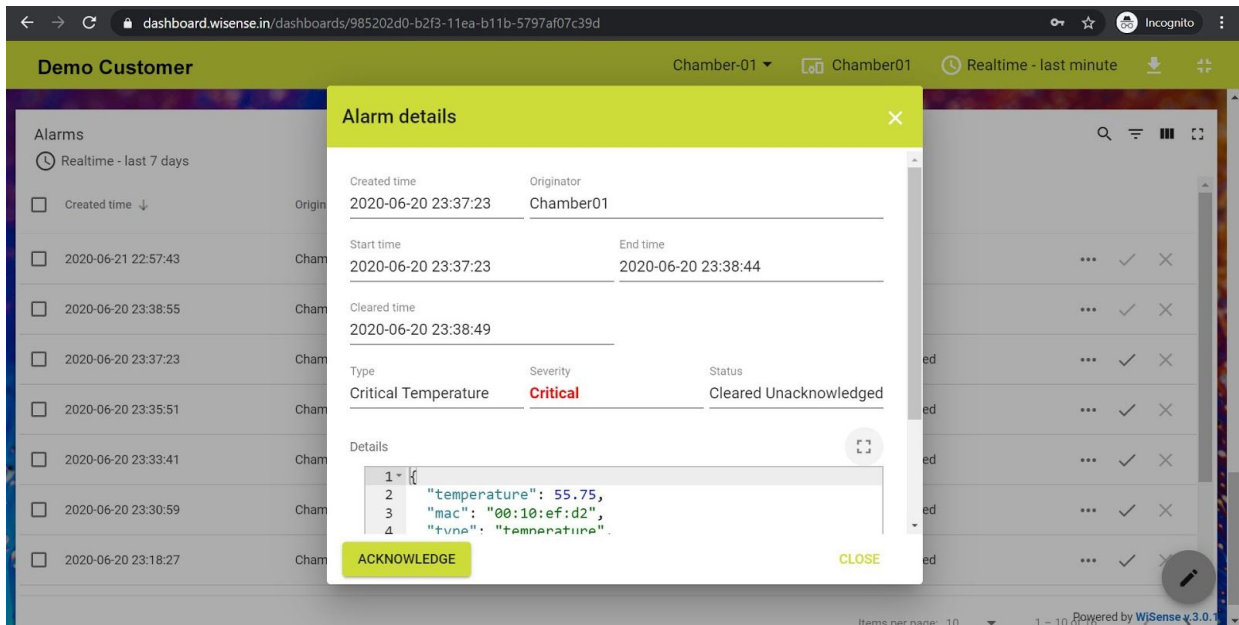


Fig 08- WiSense dashboard page - Alarm details pop-up card and alarm table in the background. (History, status and span of alarms are displayed here. Users can also acknowledge and track the alarms.)

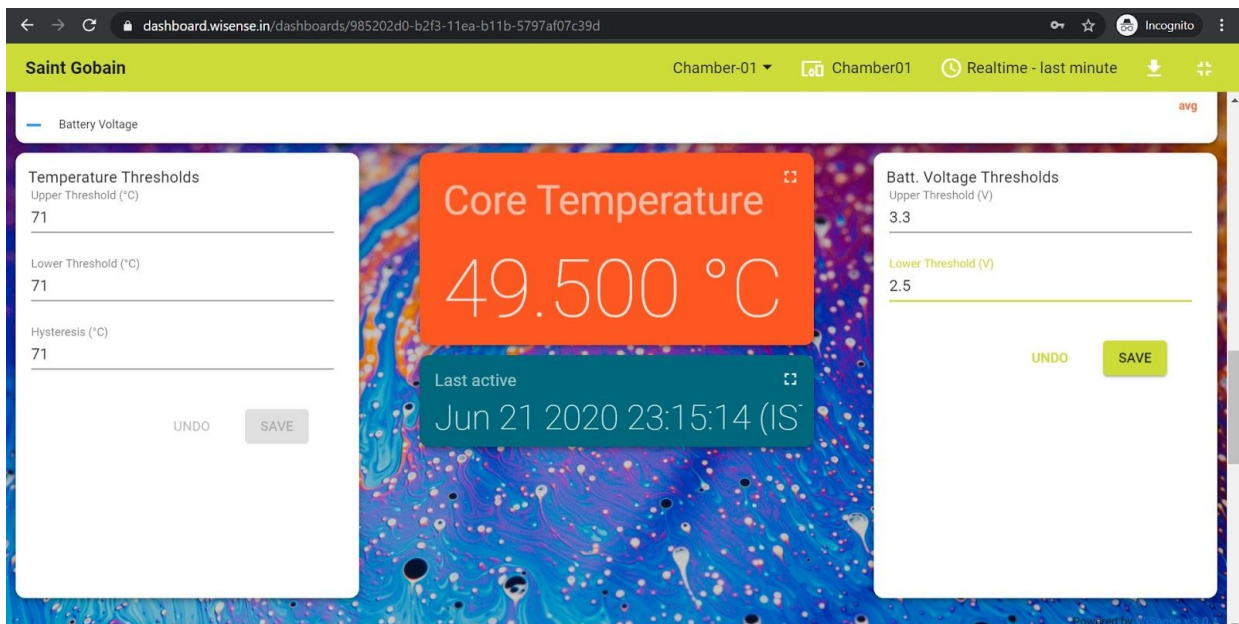


Fig 09- WiSense dashboard page - Alarm threshold settings and latest value cards.
