# Premier G7 MB Client

∗ Windows 10/11

∗ iPad, iPhone & Android Phone

Direct Mode
[Version 1.0.6]

- ▪ G7-BS, G7-BSR   base station
- ▪ X7-BS   base station extender
- ▪ G7-T2/TX   wireless temperature sensor
- ▪ G7-H2/H3   wireless temperature humidity sensor
- ▪ G7-AD   wireless analog sensor
- ▪ G7-D2   wireless digital alarm
- ▪ G7-TP   wireless temperature pressure sensor
- ▪ G7-MB   wireless Modbus sensor

Contents

1. Overview

(1) G7 MB Client - Server Mode
- ∗ Data is transmitted to Base Station from wireless sensor
- ∗ Base Station uploads data to Server over LAN or Internet
- ∗ G7 Client app receives data from Server over LAN or Internet
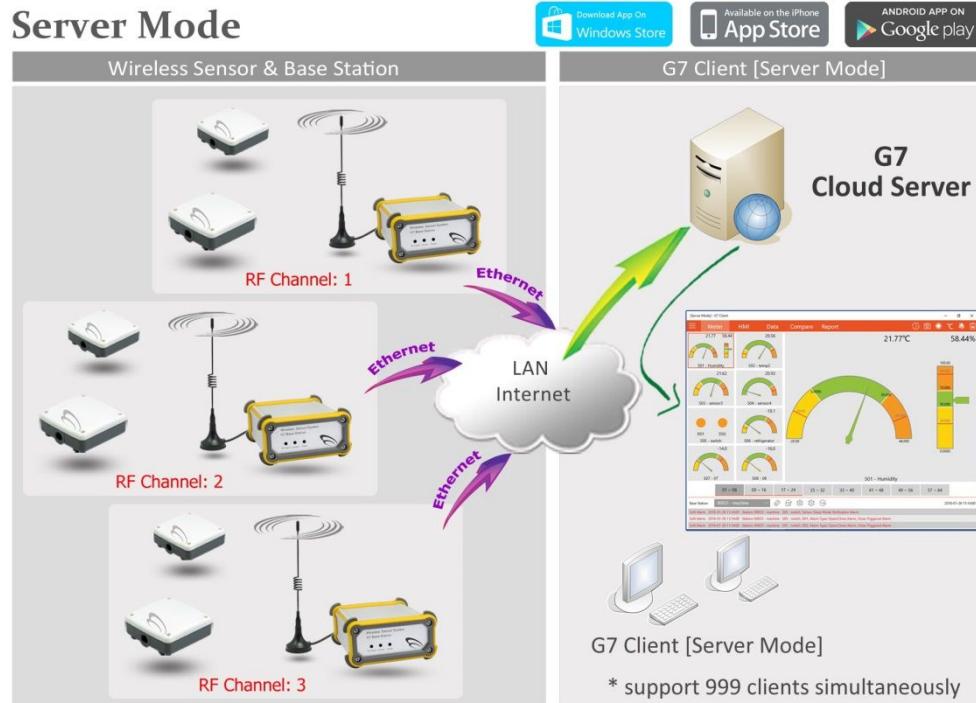
(2) G7 MB Client - Direct Mode
- ∗ Data is transmitted to Base Station from wireless sensor
- ∗ Base Station uploads data to G7 Client app over LAN or Internet directly
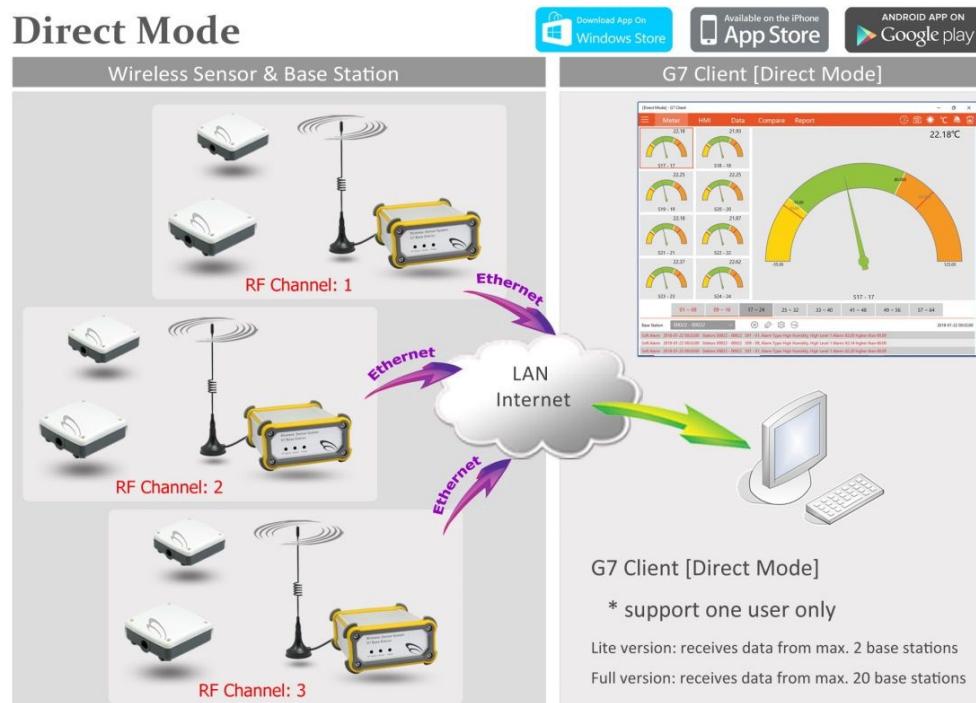
2. Download "G7 MB Client" App from Microsoft Store

Search "G7 MB Client" in keywords, and click [Get] to install
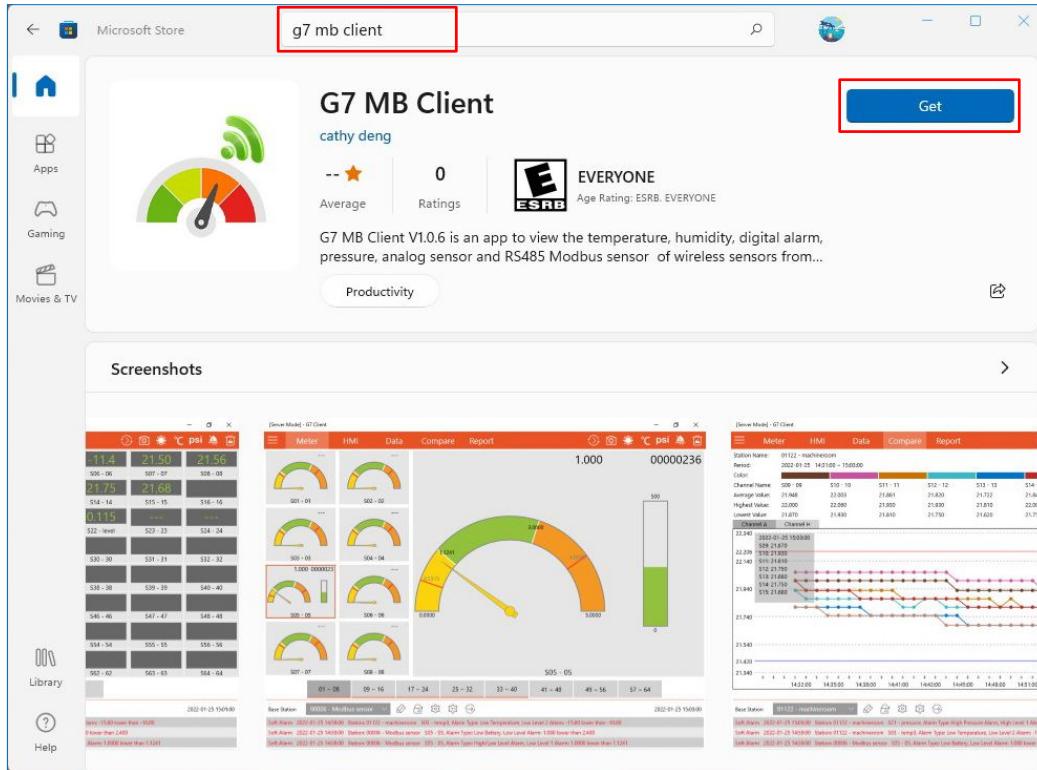
Install "G7 Client for iPad" and "G7 Client for iPhone" from App Store

Install "G7 Client for Android Phone" from Play Store or apk file

(1) Configuration parameters

- All settings in following pages are applied to the selected base station.
- Each base station has its own setting in display view and alarm.
- All settings are stored in locally.

(2) Log Off is necessary only when port is changed.

(3) G7 MB Client Lite [Direct Mode] - Free

- One single client receives data from max. 2 base stations simultaneously

(4) G7 MB Client Licensed [Direct Mode] - Paid

- One single client receives data from max. 20 base stations simultaneously

3. Registration

(1) Open [G7 MB Client], Click Registration [ ] icon
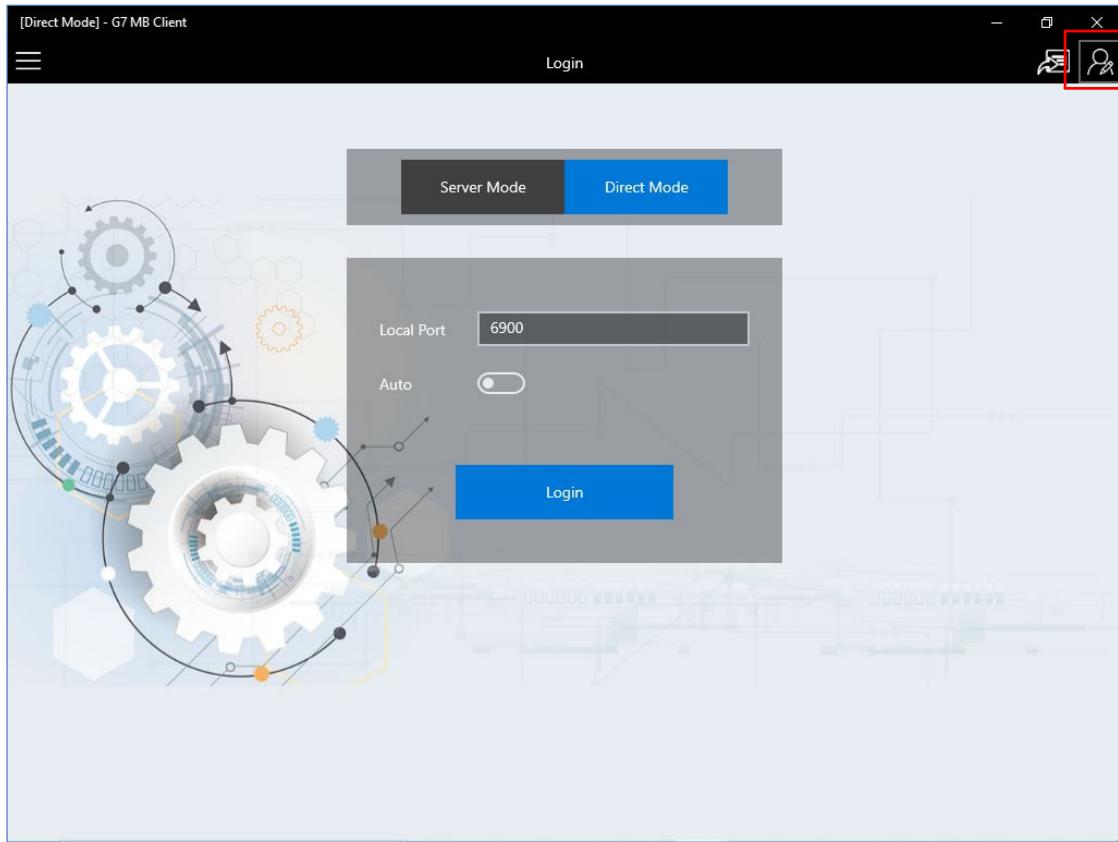
(2) [Product Key] must be the same to that of base station
   * License Key is NOT necessary for free lite version.
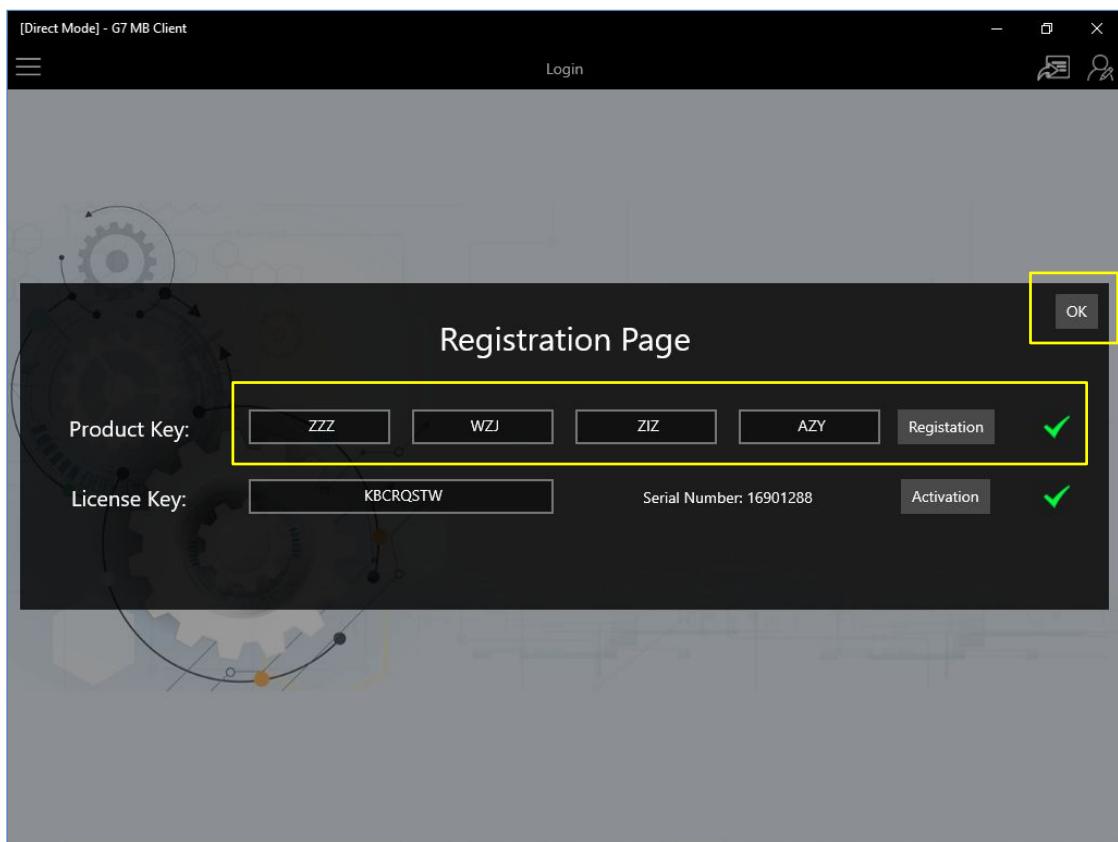
4. Network & Login

🛈 DO NOT run G7 Setup Software, G7 Centre Software and G7 Client App simultaneously.

(A) **IP over LAN**

Device Properties
IP: 192.168.2.197

Server Properties
Server IP: 192.168.2.70
Server Port: 6900

G7 MB Client PC
IP: 192.168.2.70
Port: 6900

Base Station

Setup PC
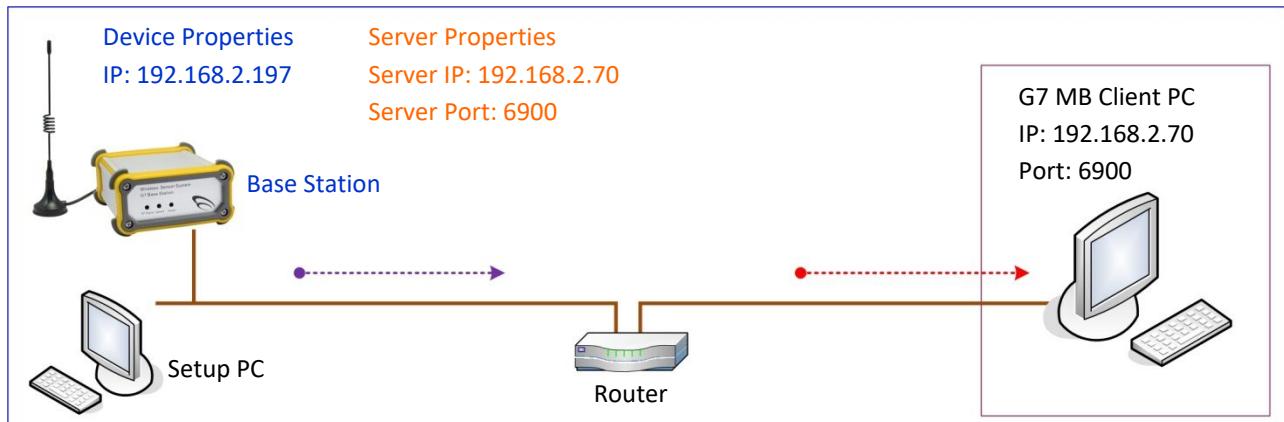
Router
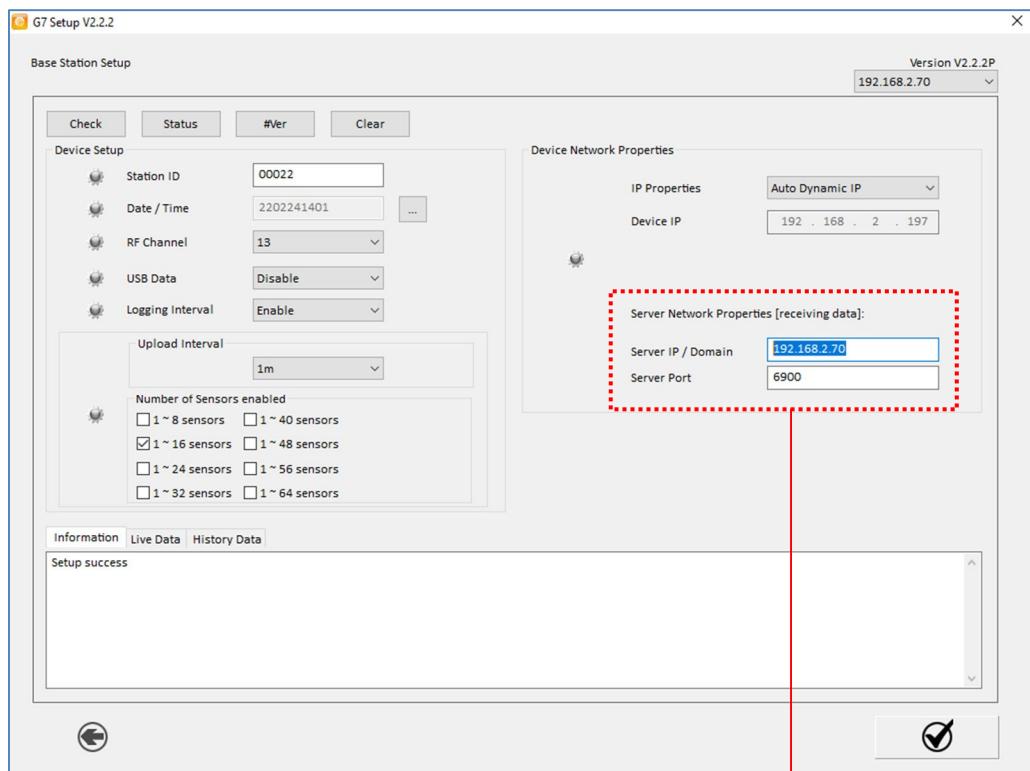
❖ Base Station

❖ G7 MB Client [Direct Mode]

Enable [Auto] for auto login

(B) **IP over Internet**

Device Properties
IP: 192.168.2.61

Server Properties
Server IP: 112.91.216.9
Server Port: 6900

Base Station

Setup PC

Router #1

Internet

Router #2
WAN IP: 112.91.216.9
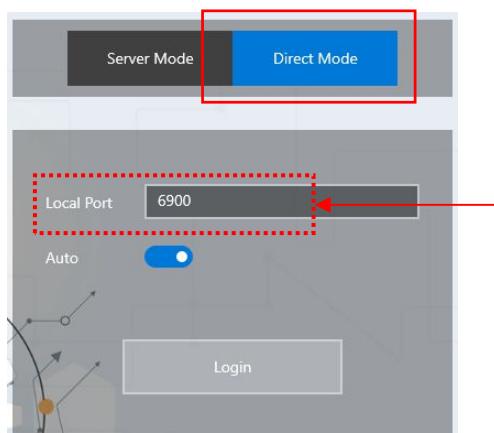
G7 Client PC
IP: 192.168.2.70
Port: 6900
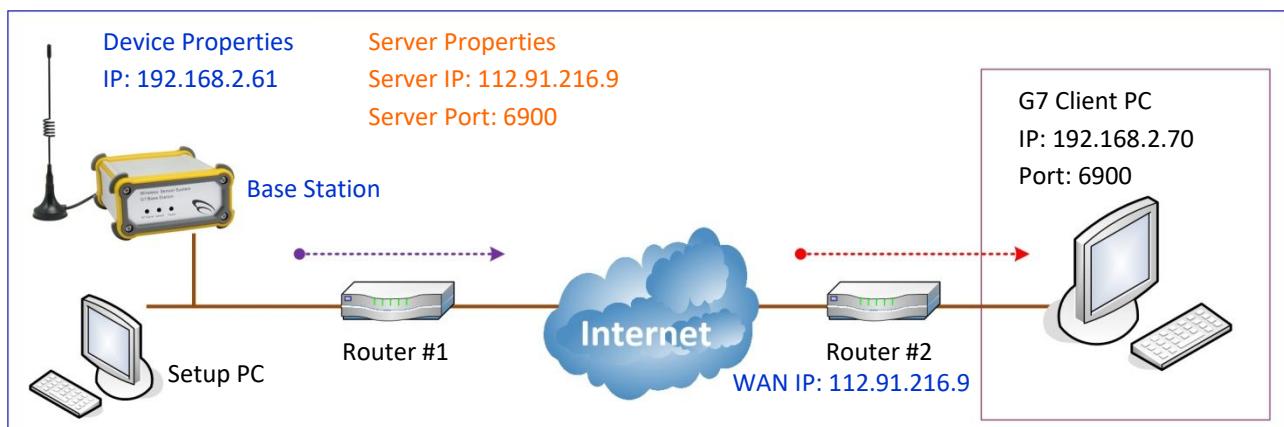
❖ Base Station

❖ Router #2: Port Forwarding

❖ G7 MB Client [Direct Mode]

(C) DDNS over Internet

Device Properties   Server Properties
IP: 192.168.2.61   Domain Name: g7.dyndns.com
Port: 7812   Server Port: 6900

Base Station

Setup PC   Router #1   Internet   Router #2

G7 Client PC
IP: 192.168.2.70
Port: 6900

DDNS Tool: Dyndns Updater

❖ Base Station

G7 Setup V2.3

Base Station Setup   Version 2.3.1
                                                               192.168.2.70

| Check | Status | #Ver | Clear |

Device Setup

Station ID   00006
Date / Time   2202241503   ...
RF Channel   15
USB Data   Disable

Device Network Properties

IP Properties   Auto Dynamic IP
Device IP   192 . 168 . 2 . 61

Server Network Properties [receiving data]:
Server IP / Domain   g7.dyndns.com
Server Port   6900

Upload Interval
1m

Number of Sensors enabled
☑ 1 ~ 8 sensors   ☐ 1 ~ 40 sensors
☐ 1 ~ 16 sensors ☐ 1 ~ 48 sensors
☐ 1 ~ 24 sensors ☐ 1 ~ 56 sensors
☐ 1 ~ 32 sensors ☐ 1 ~ 64 sensors

Information Live Data
Setup success

❖ Router #2: Port Forwarding

Port Forwarding List (Max Limit : 32)				
Service Name	Port Range	Local IP	Local Port	Protocol
G7 Client direct mode	6900	192.168.2.70		TCP

❖ G7 MB Client [Direct Mode]

| Server Mode | Direct Mode |

Local Port   6900
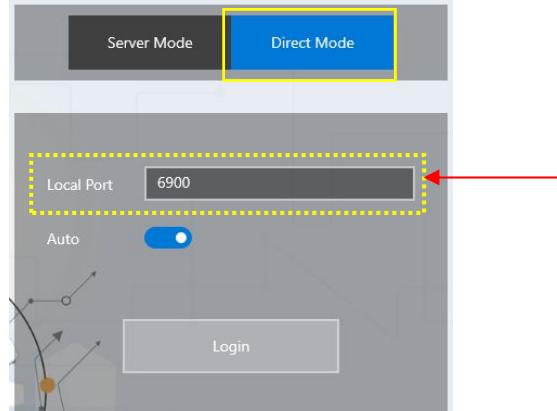
Auto

Login

(D) **Firewall Setting**

Enable Firewall on both private and public network
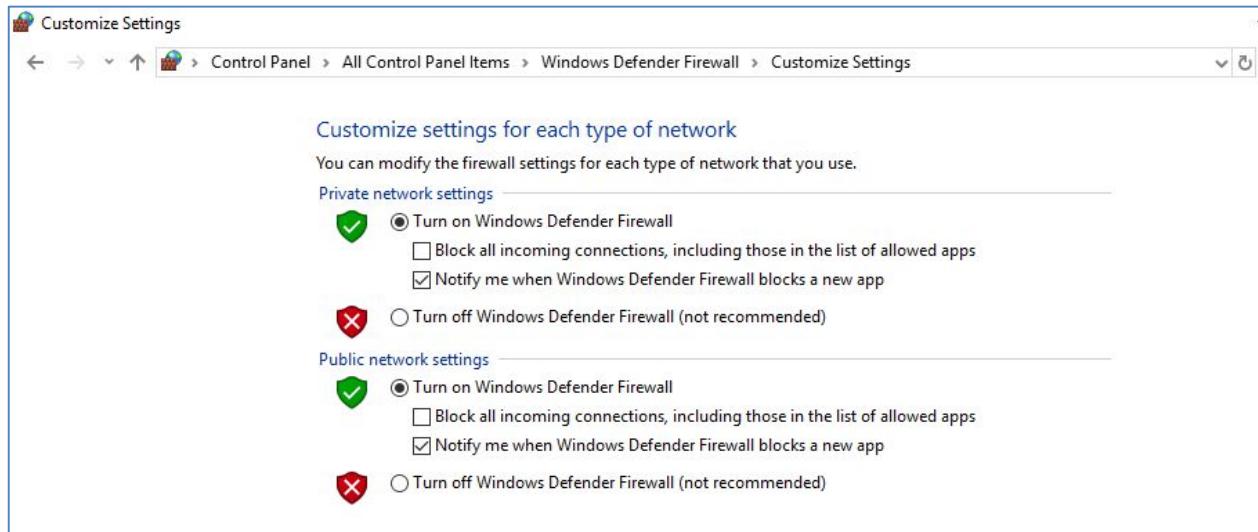

Allow G7 MB Client app on both private and public network
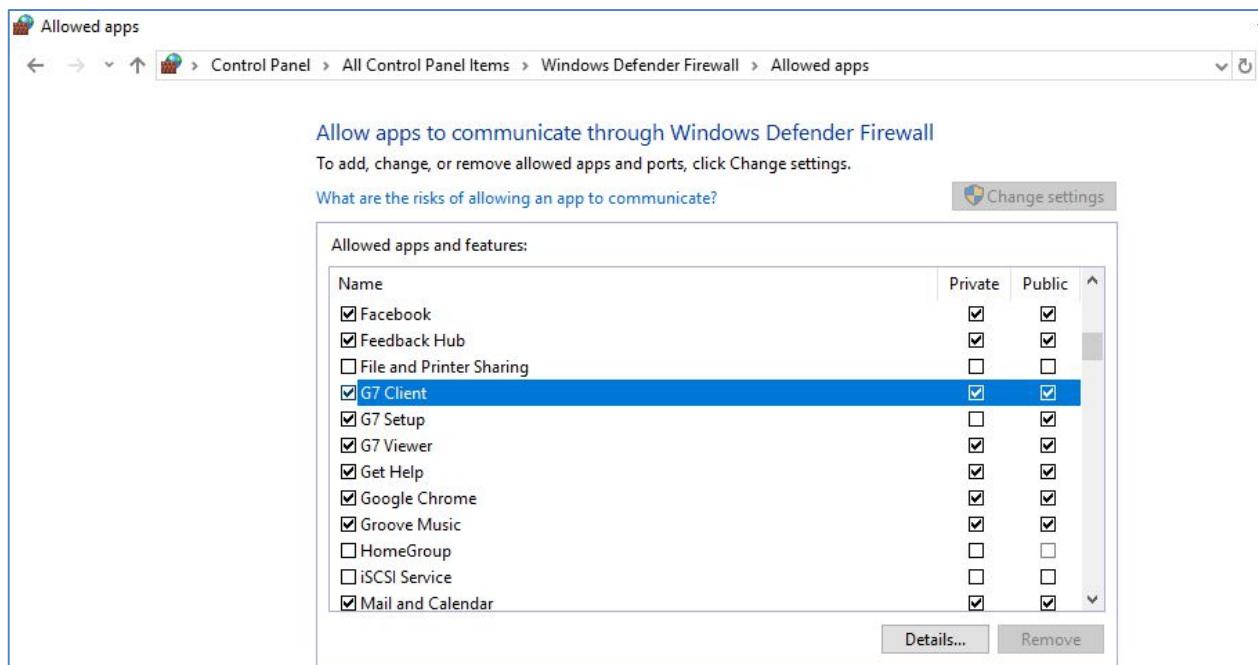
5. Main Screen

(1) Main Screen after login
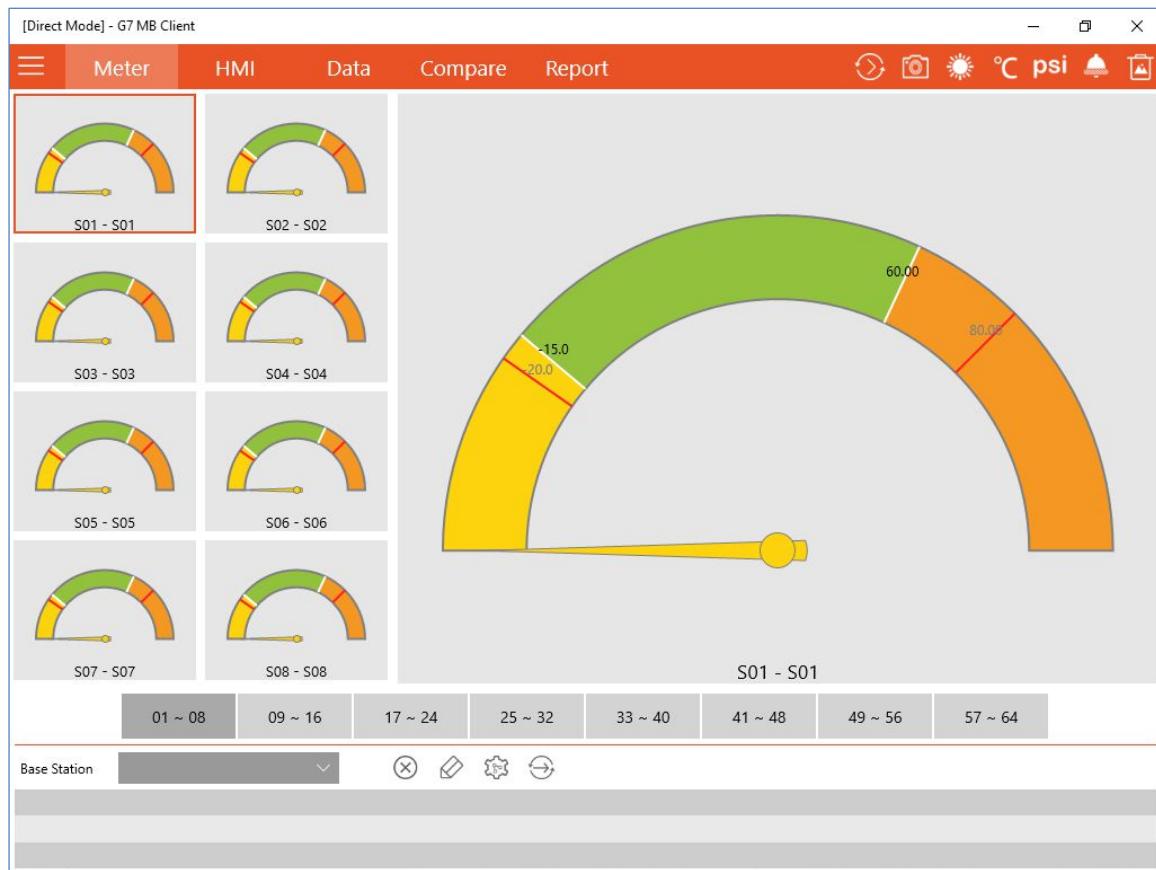
Please wait! Station ID will be displayed automatically upon successful connection and data update.
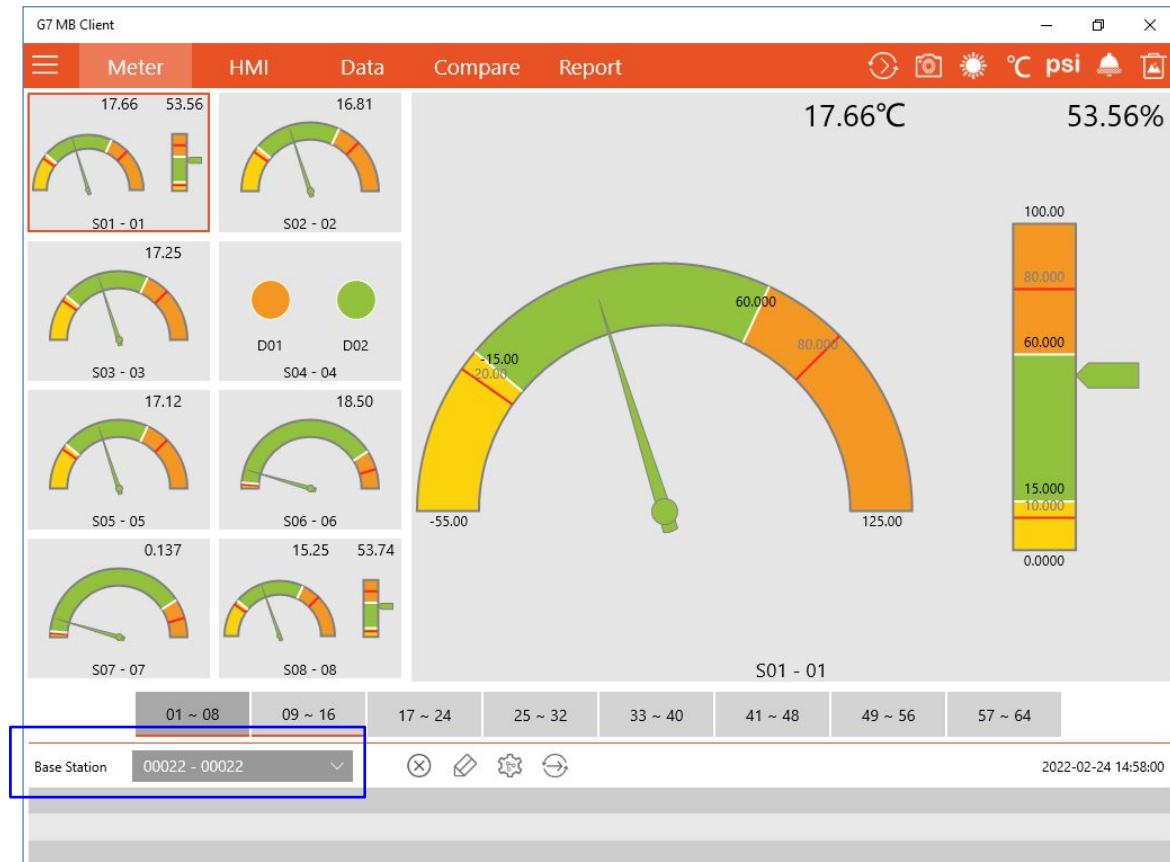
(2) Select the base station

Other Station ID will be available for selection upon successful connection and data update.
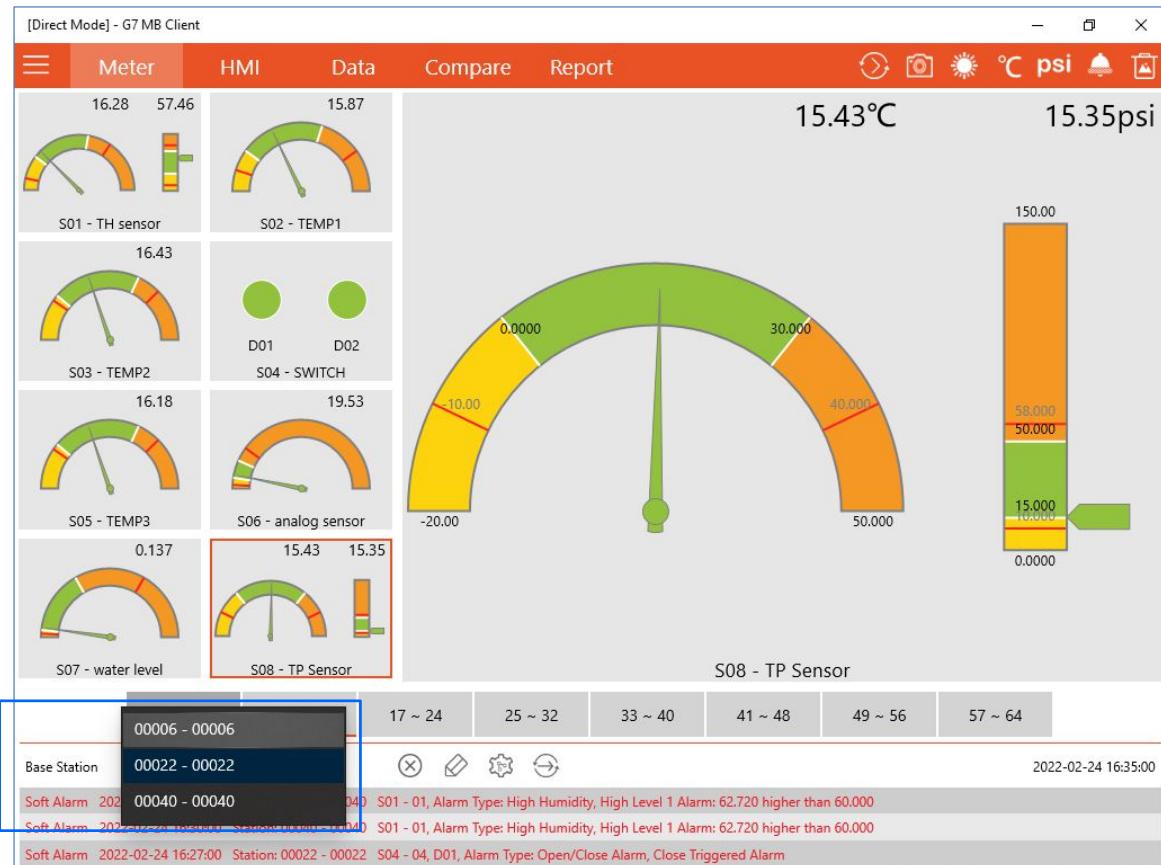
(3) Configuration parameters

- All settings in following pages will only be applied to the selected base station.

- Each base station has its own setting in display view and alarm.

- All settings configured is applied in local computer only

(4) Log Off is necessary only when port is changed.

(5) Direct Mode

- Each base station sends data to one client only

- G7 MB Client Lite for Win10 & iPad supports max. 2 base stations simultaneously

- G7 MB Client for Win10 & iPad (Full Version) supports max. 20 base stations simultaneously
  ∗ license is needed

- G7 MB Client for iPhone, Android Phone supports max. 20 base stations simultaneously
  ∗ no license is needed

6. Meter View

Once data from new base stations arrives, Station ID will be displayed automatically.
Live sensor reading is displayed.

Temperature Sensor/ Analog Sensor

Temperature Humidity Sensor

Temperature

Humidity

Digital Sensor

Right Mouse Click
Sensor Name Change

Select Base Station
∗ Only one base station system can be displayed at one time
∗ Data from multiple base stations is stored in background simultaneously

Display Page selection
∗ Each base station supports max. 64 sensors
∗ Each page displays max. 8 sensors
∗ Sensors are assigned as 8 pages (groups)
  01~08, 09~16, 17~24, 25~32, 33~40, 41~48, 49~56, 57~64
∗ Total 8 pages are available for each base station
∗ Page with activated sensors will be displayed with red bar at bottom
∗ Dark grey frame is the page on display

1) Delete Station ID
2) Modify Station Name
3) Setup Alarm Alert Properties
4) Start Automatic Page Jump of groups in selected base station

| | Mouse Left Click: | Start Automatic Page Jump of all base stations |
| | | Jump interval can be changed on [System Setting] |

| | Mouse Left Click: | Day / Night Screen Display Selection |
| | Mouse Right Click: | Day Time Adjustment |

| | Mouse Left Click: | Screenshot Capture |

| | Mouse Left Click: | °C / °F Selection [temperature unit] | model: G7-T2/H2 |

| | Mouse Left Click: | psi / MPa Selection [pressure unit] | model: G7-TP |

| | Mouse Left Click: | Enable / Disable Audio Alarm Buzzer |

| | Mouse Left Click: | Acknowledge All Alarms displayed in the list on bottom of screen |

Dark Grey Background:
Group of sensors on display

| 01 ~ 08 | 09 ~ 16 | 17 ~ 24 | 25 ~ 32 | 33 ~ 40 | 41 ~ 48 | 49 ~ 56 | 57 ~ 64 |

Number in Red:
Group with triggered alarm sensors

Red Line:
Group with activated sensors

Without Red Line:
Group without activated sensors

A) Alarm Setup

1) Select Sensor – Left Mouse Click on left side, it will be enlarged and displayed on right side

2) Activate Alarm Setup – Double Click Left Mouse Button of selected sensor on right side

3) Click on the alarm level line, and drag to change the alarm level

4) Beside point and drag the alarm level line, alarm level can be setup by click [⚙] button

5) Click [🗄] to save setting into local computer
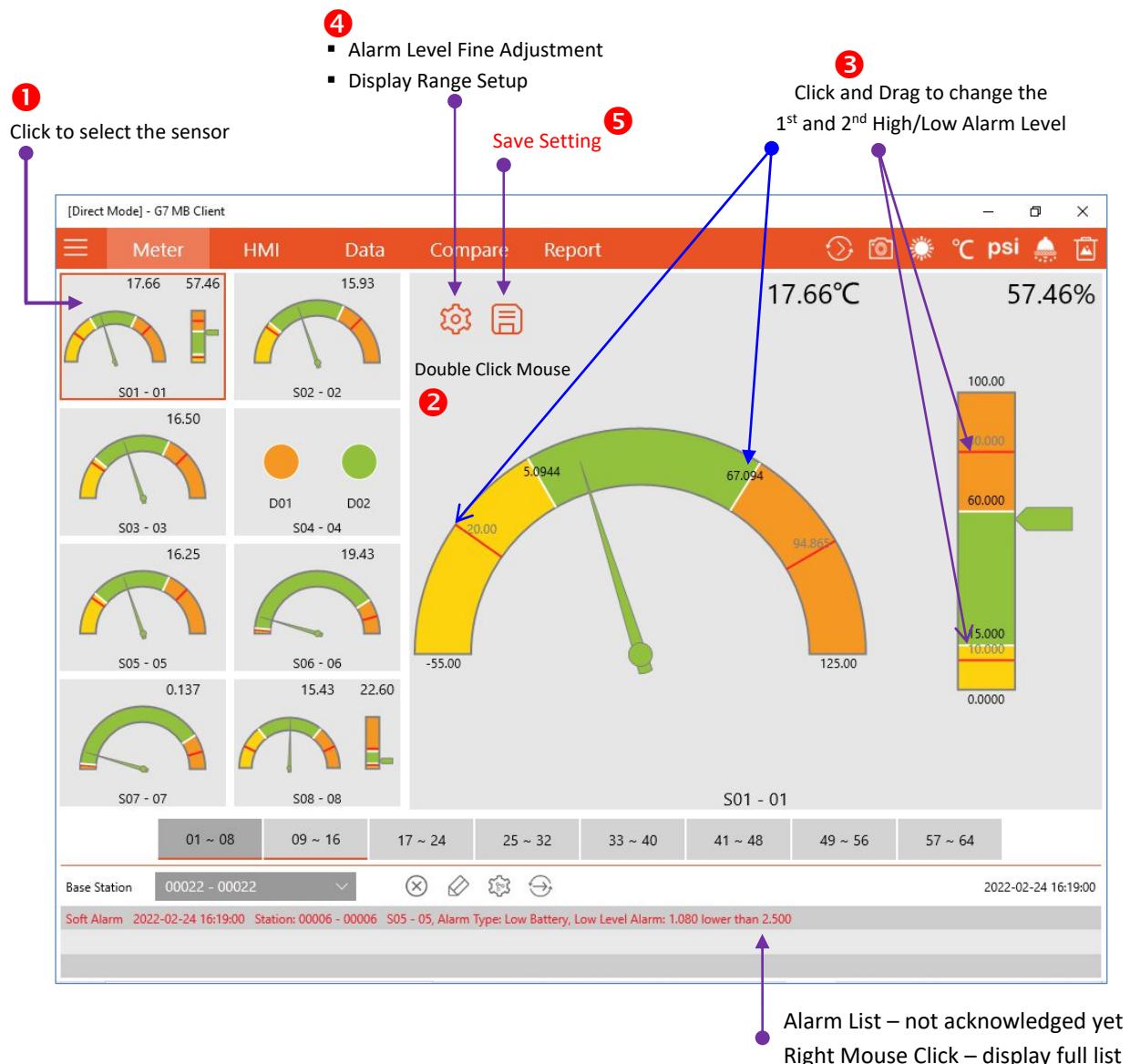
User will be alerted by G7 MB Client Software and alarm email for the following alarm types:

- Wireless Sensor Communication Loss
- Sensor Probe Disconnected or Defect
- Sensor Battery Low Level [default: 2.5V]
- Channel A - Temperature / Analog Sensor A01 High Low Alarm
- Channel H - Humidity / Analog Sensor A02 High Low Alarm
- Digital Alarm D01, D02
- Device Alarm

B) Display Range & Alarm Level Setup

(1) Double Left Click Mouse on main screen, or

(2) Click [⚙] icon to start setting

(3) Click [🖫] icon to save setting


Lower Alarm

Higher Alarm

Low Alarm

High Alarm

Max. Value
It is the max value to be displayed, but NOT
the max value of sensor measuring range.

Min. Value
It is the min value to be displayed, but NOT
the min value of sensor measuring range.

■ G7-T2/H2 Wireless Temperature & Humidity Sensor
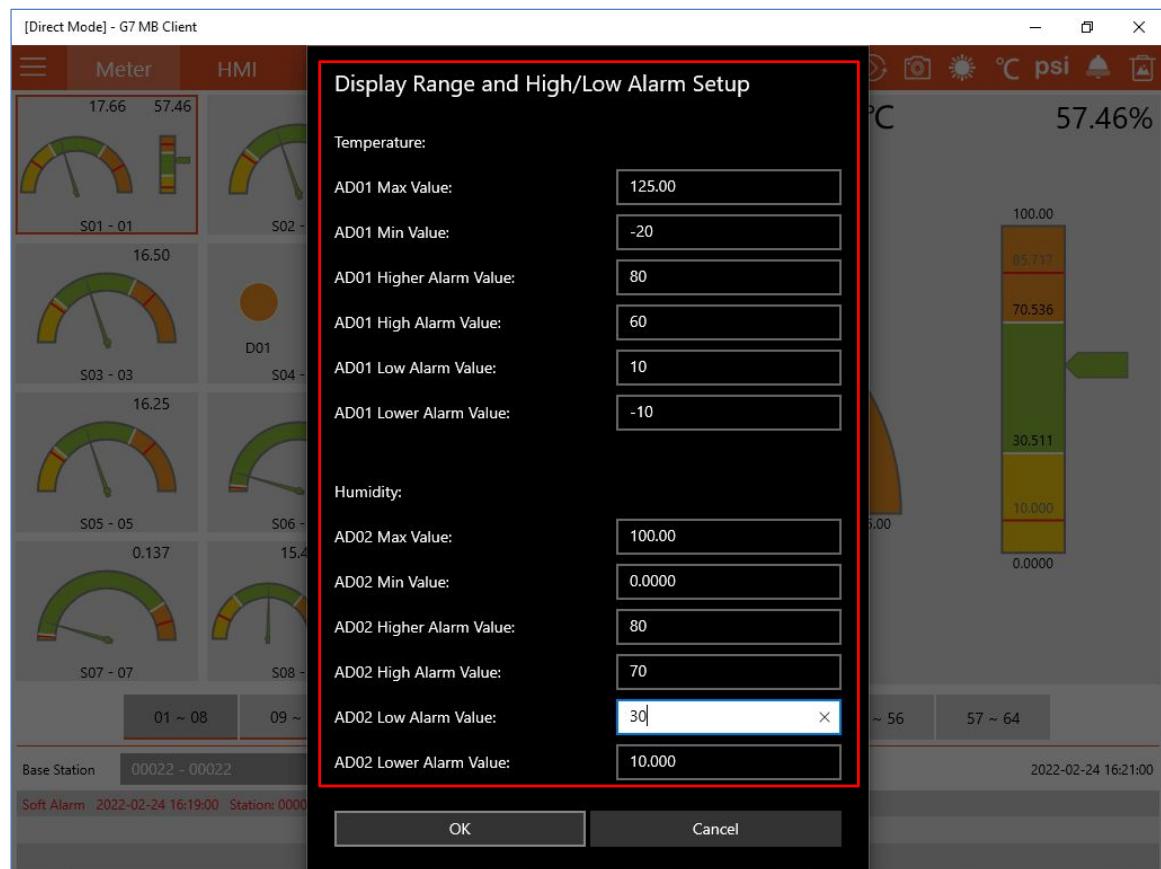


■ G7-D2 Wireless Digital Alarm
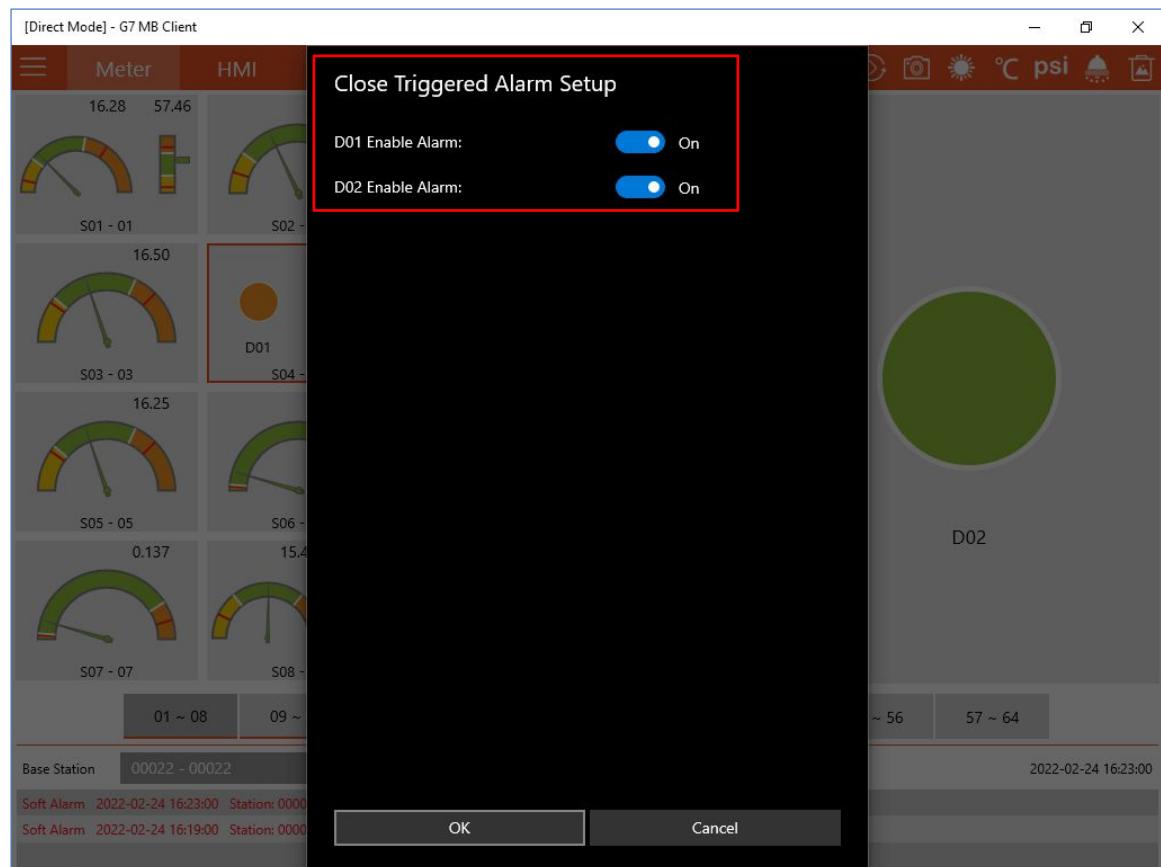
■   G7-AD Wireless Analog Sensor (AD01: 4-20mA signal)
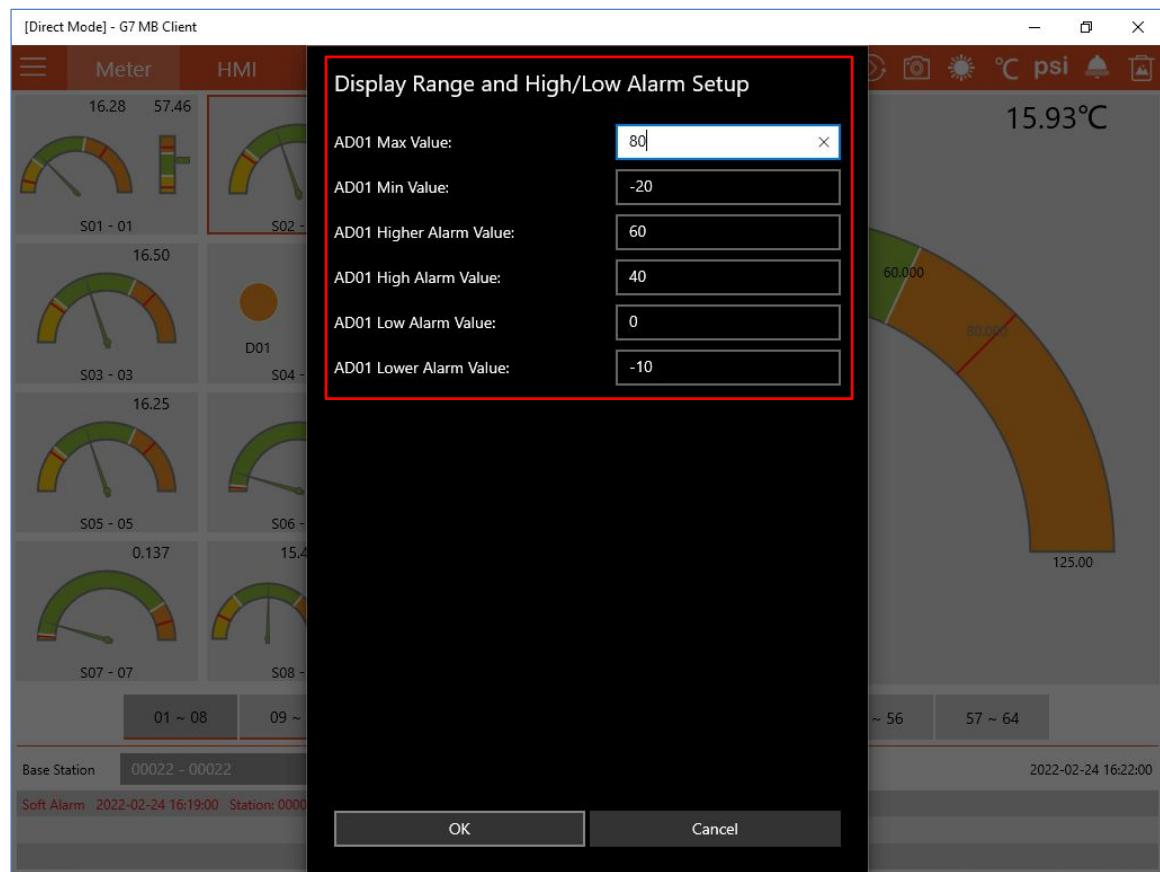

■   G7-AD Wireless Analog Sensor (AD02: 0-5VDC signal)
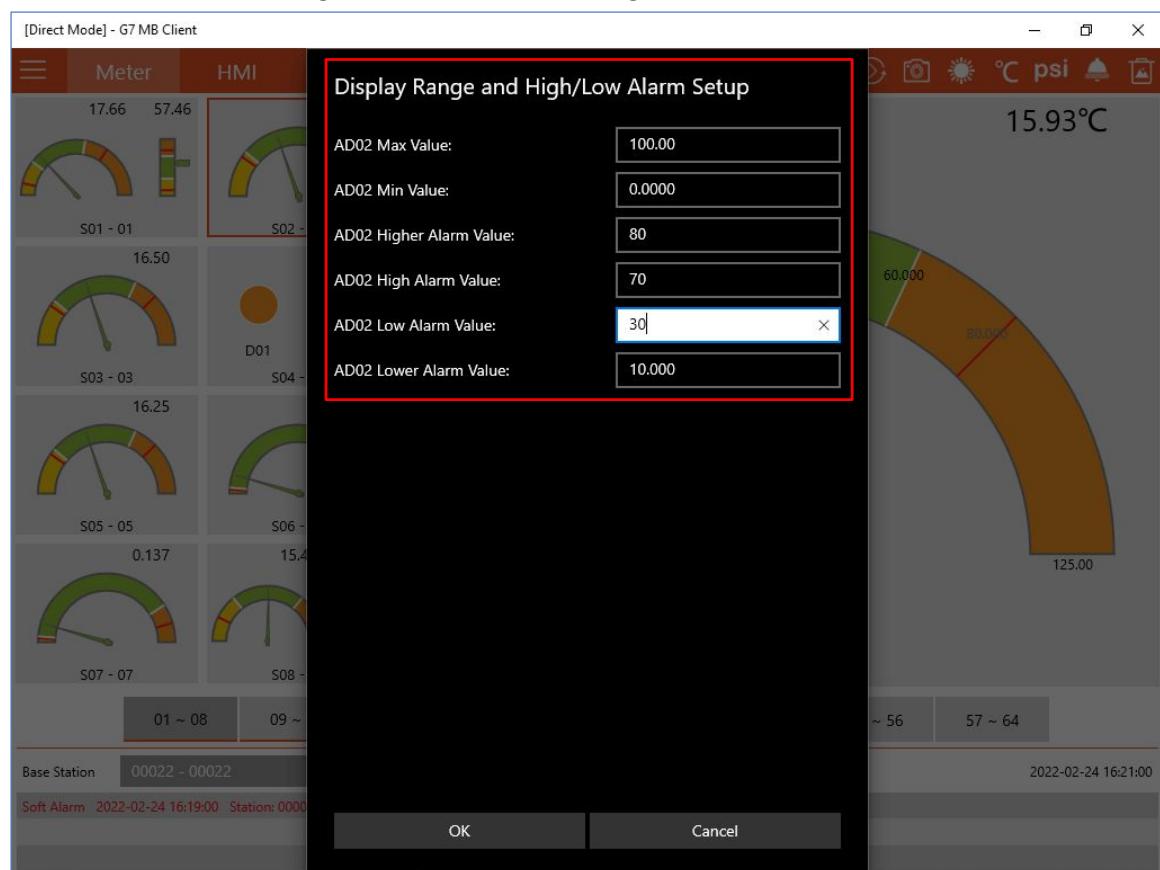
- **G7-TP Wireless Temperature & Pressure Sensor**
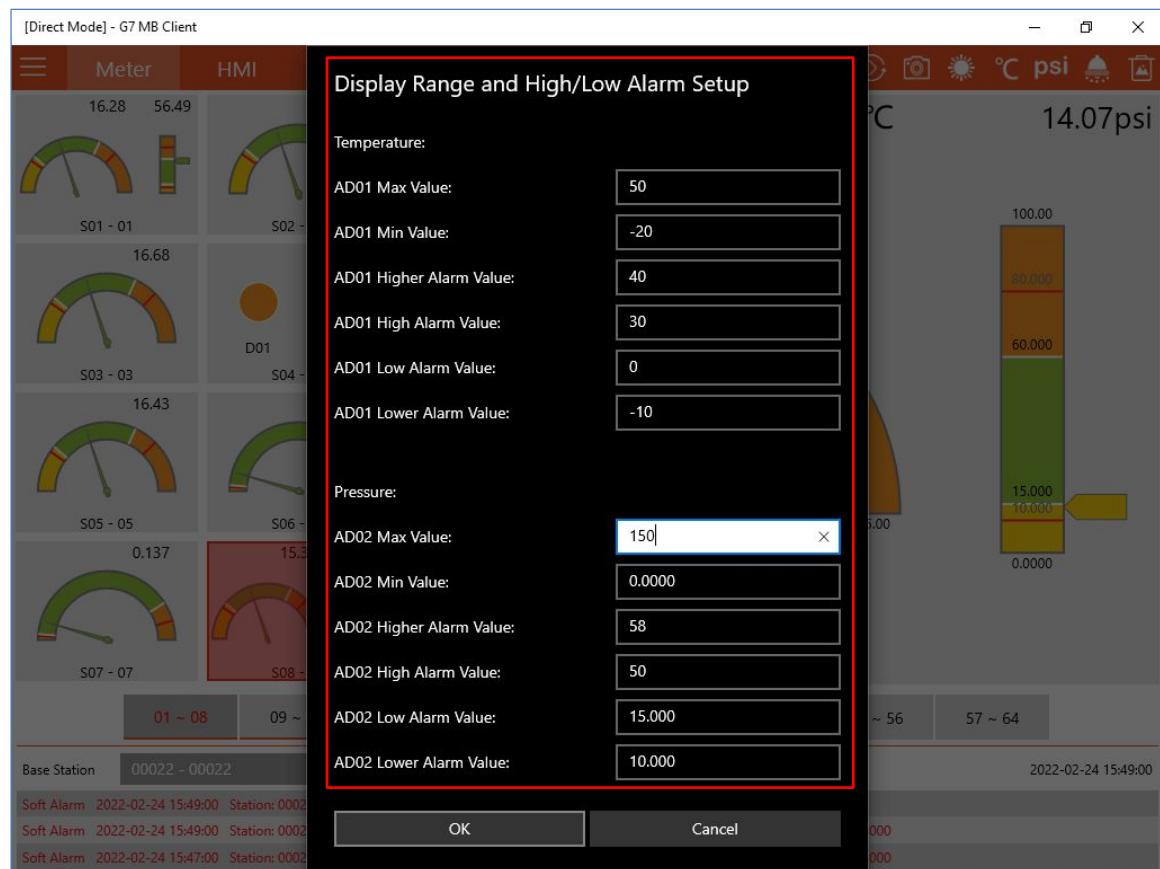
- **G7-MB Wireless Modbus Sensor**
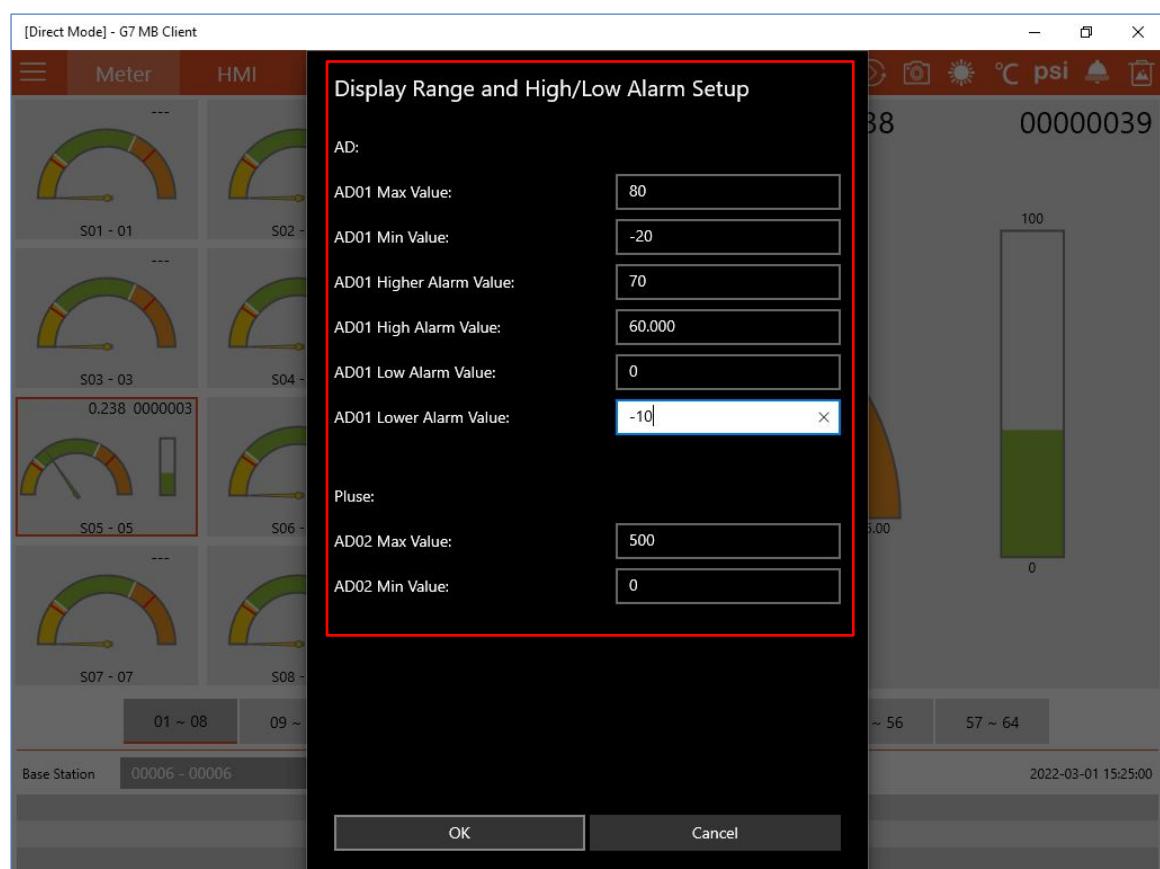
C) Alarm Email Address

Once soft alarm is triggered, alarm email will be delivered to preset email address.

(1) Click [Menu] icon > [System] > [E-mail Setup]
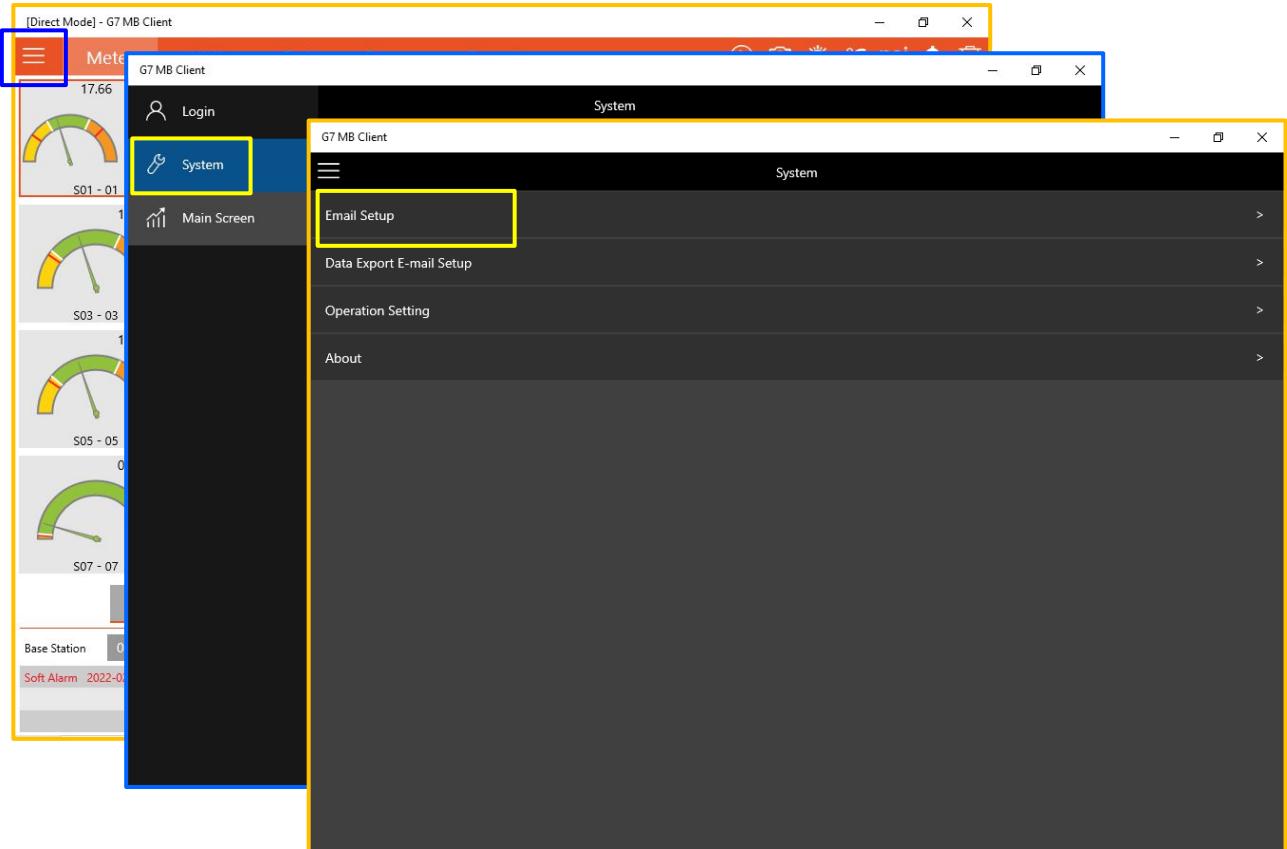
(2) Enter [Email Server], [Alarm Email Recipient Address], and Click [Save]
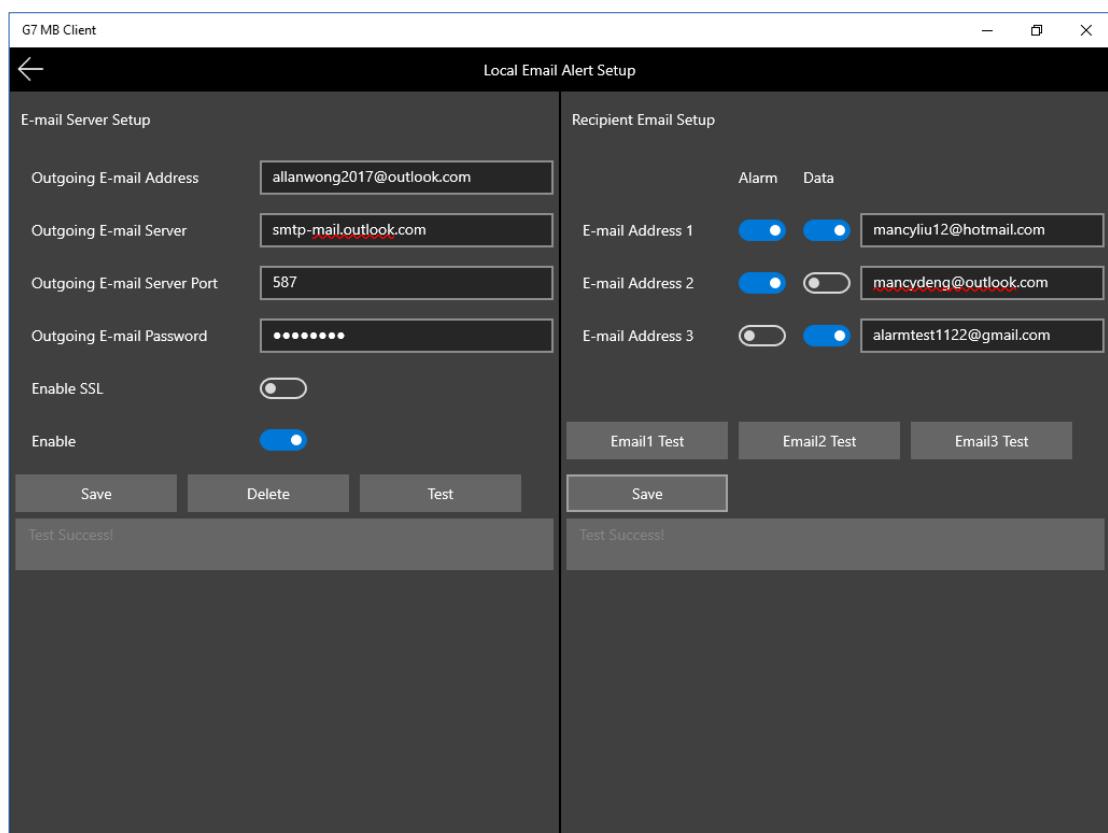
D) Alert Interval & Alarm Delay

(1) Display and Email Alert will not be repeated within [Alert Interval] even when there is new alarm.

(2) When alarm level is triggered, alarm will be activated only after [Alarm Delay] time.

(3) Click [⚙] icon > Display Alert Interval, Email Alert Interval and Alarm Delay Time
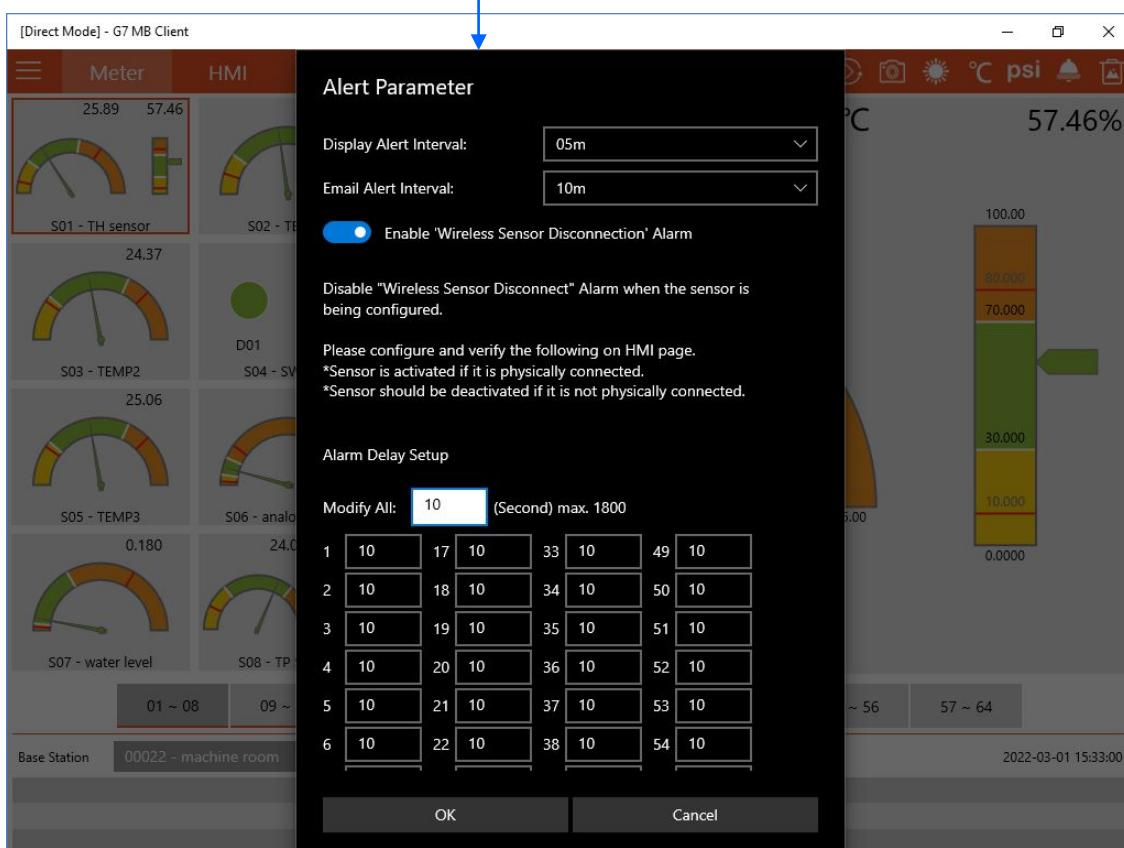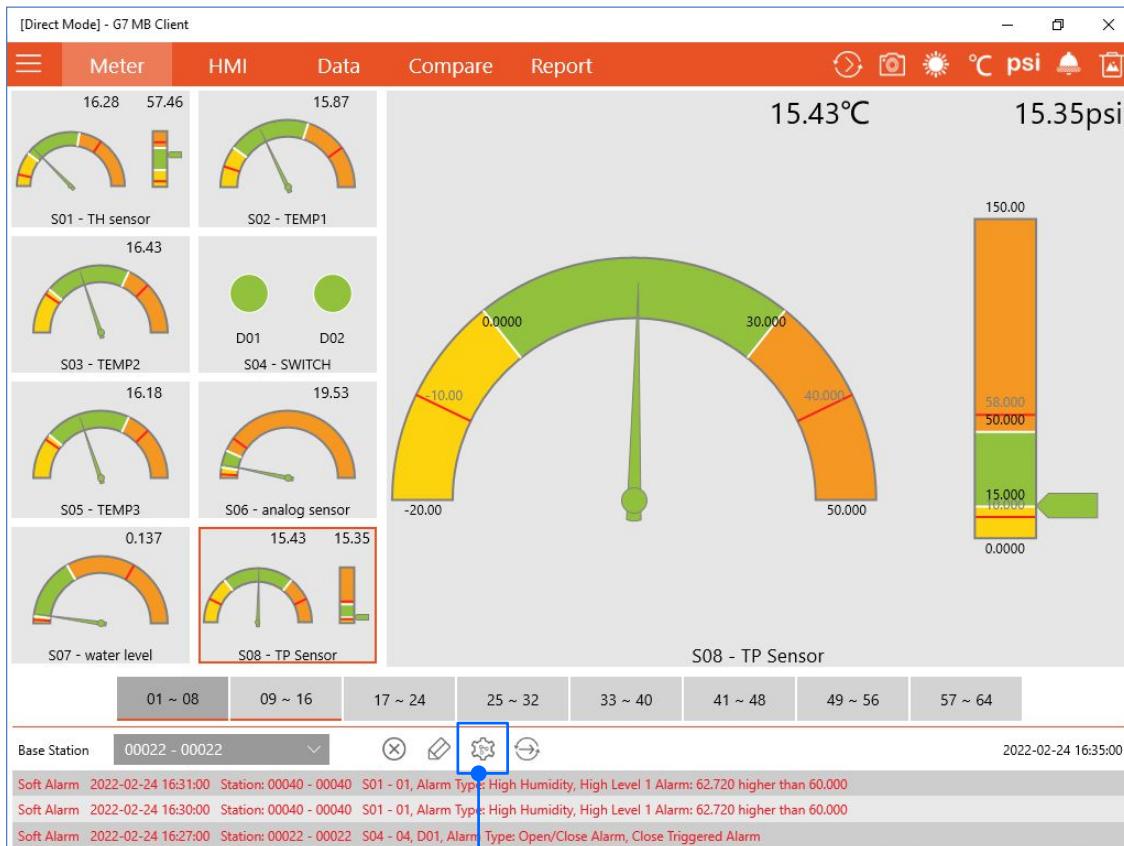
E) Station Name & UTC Time Zone

(1) Click [ ] icon to modify the station name and UTC time zone

(2) UTC is the location time zone of base station
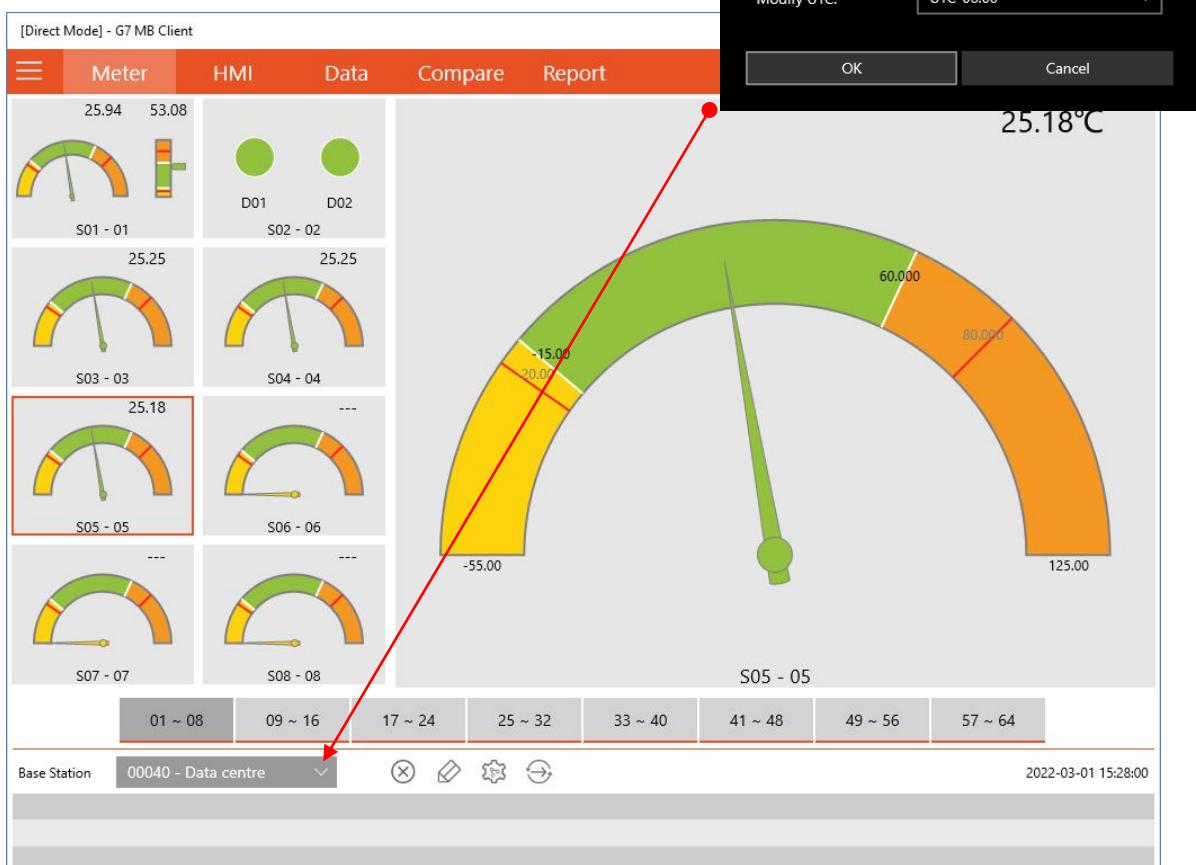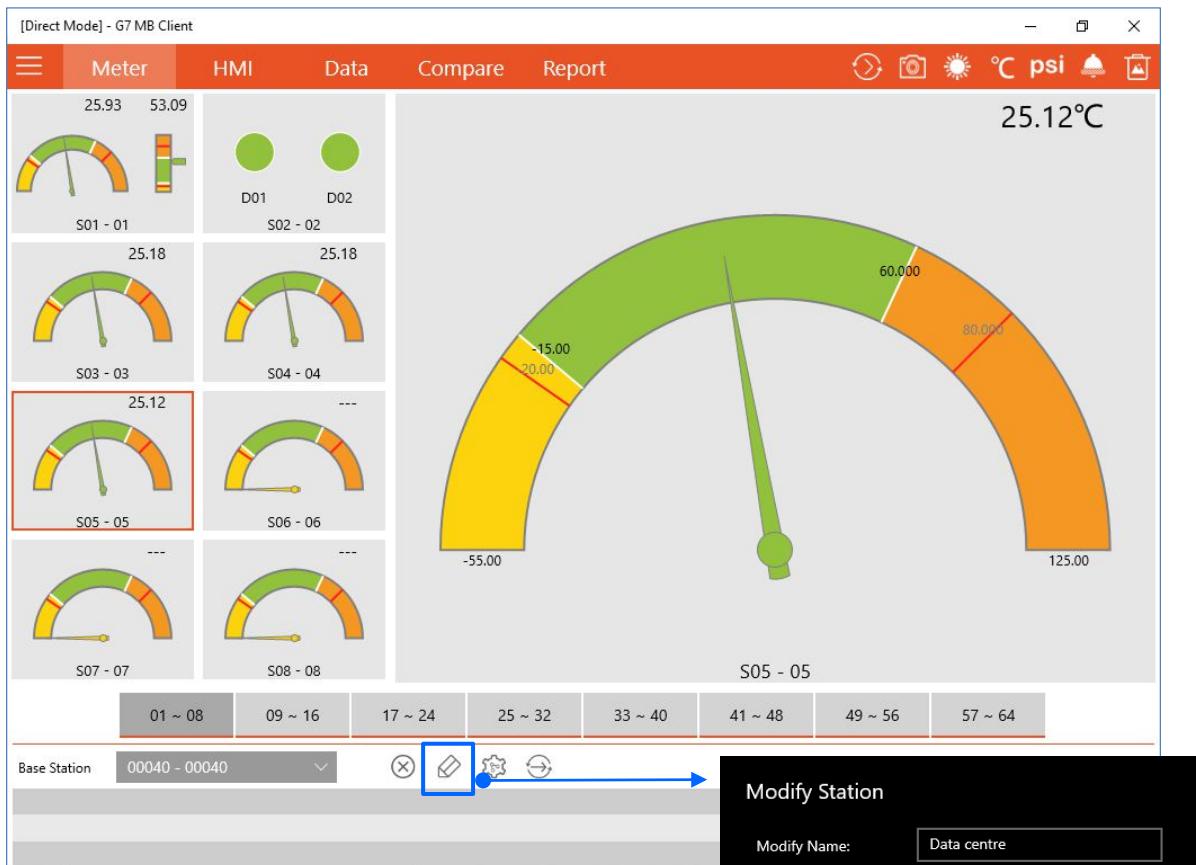
7. Meter Alarm View

(1) Display Alert on alarm triggered
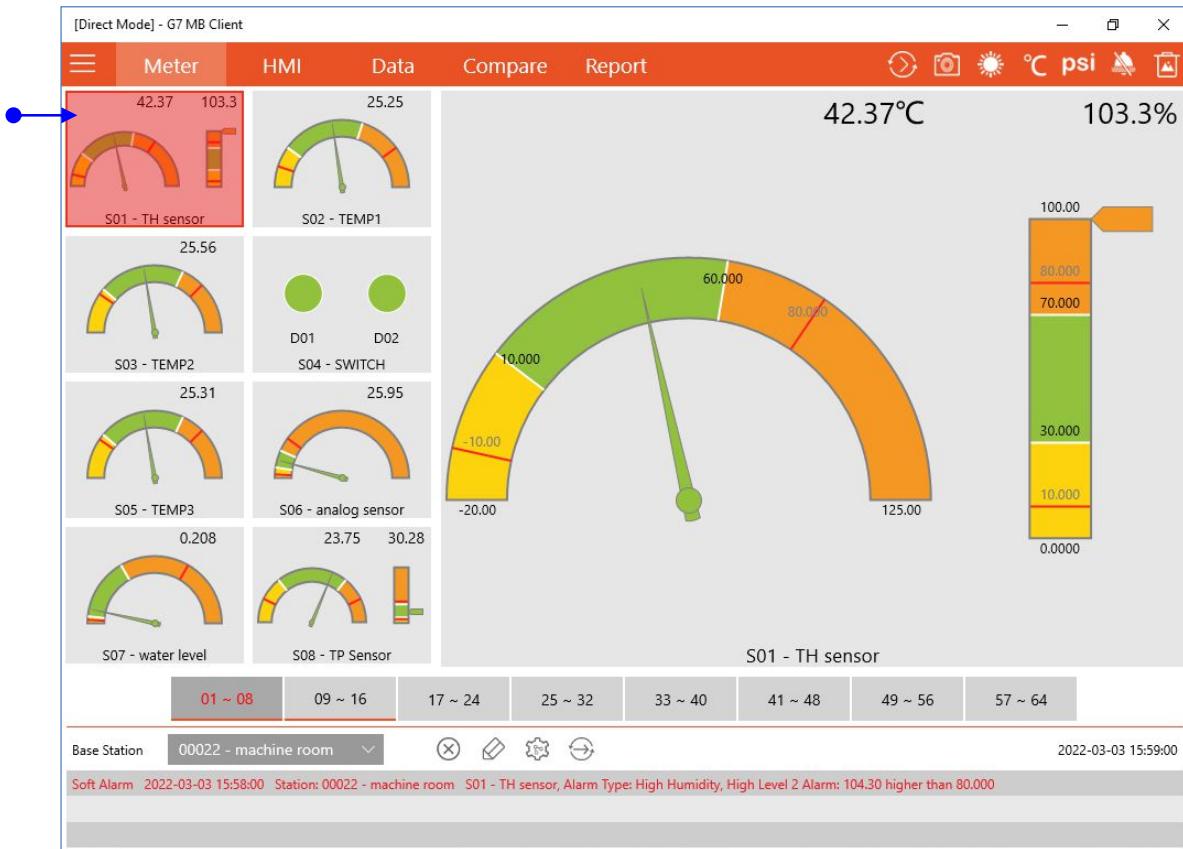
(2) Left Mouse Click to acknowledge each sensor alarm.
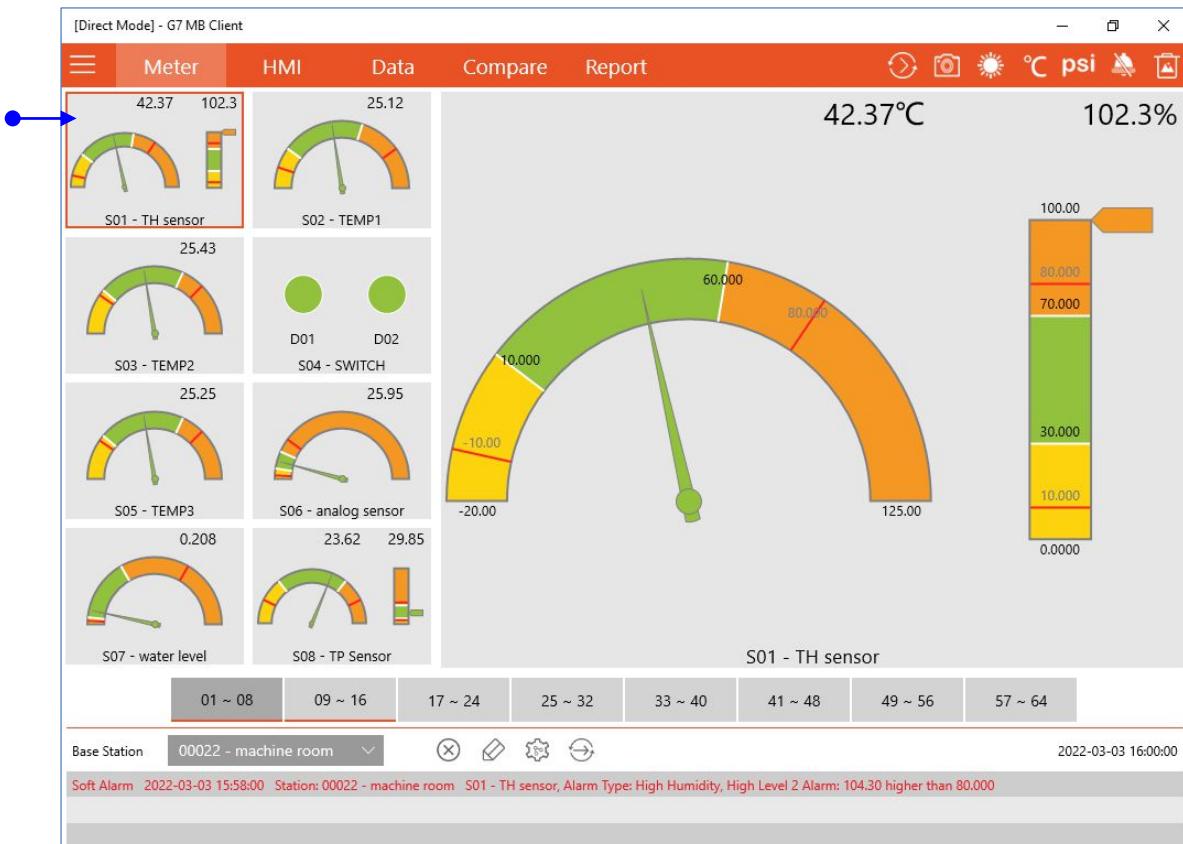
(3) Mouse Click to acknowledge each sensor alarm.

When alarm is triggered, user will be alerted by:
- Screen Display
- Audio Buzzer
- Alarm Email or SMS

 Audio Alert

 Audio Alert Acknowledged

 Audio Alert Disabled

 Acknowledge All Alarms
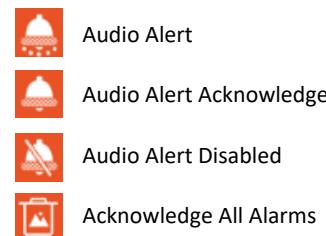
∗ Click on each sensor to acknowledge the selected sensor alarm.

∗ Click [ ] button to acknowledge all sensors alarm.

∗ Once acknowledged, alert will only be repeated after "Alert Interval".

Click to display the full list of alarms
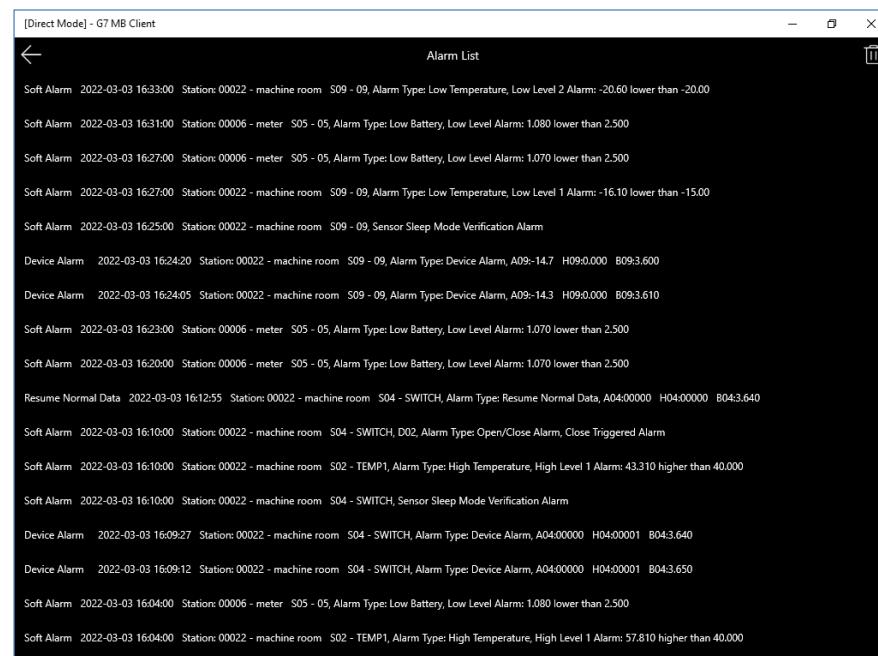
8. Sensor Activated / Deactivated

Number of wireless sensors will be automatically detected by G7 MB Client.
Activate/Deactivate individual sensor to avoid false alarm when user adds/disconnects any sensor later.
This setting is done in G7 MB Client [HMI page].

HMI Mode

Activate/Deactivate sensors

(i) *Point at the sensor ID, and Right Mouse Click to activate or deactivate the sensors*
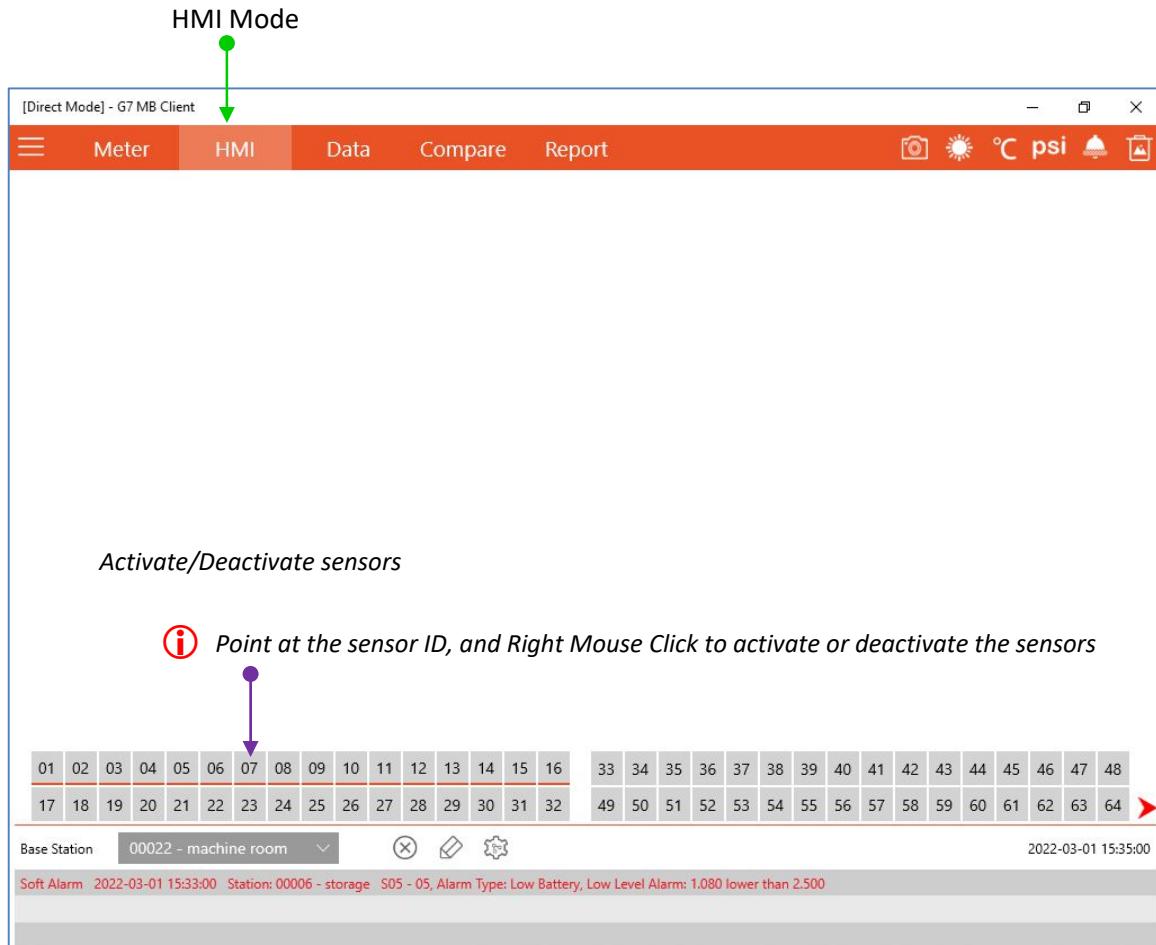
If sensor is not connected but activated, it will cause many false alarms.

In this example, sensors S12~S16 is not connected causing alarms.
User should deactivate those sensors by Right Mouse Click S12~S16 icons.
Click [Save Configuration] in HMI mode.

S01~S16 Activated

S01~S11 Activated
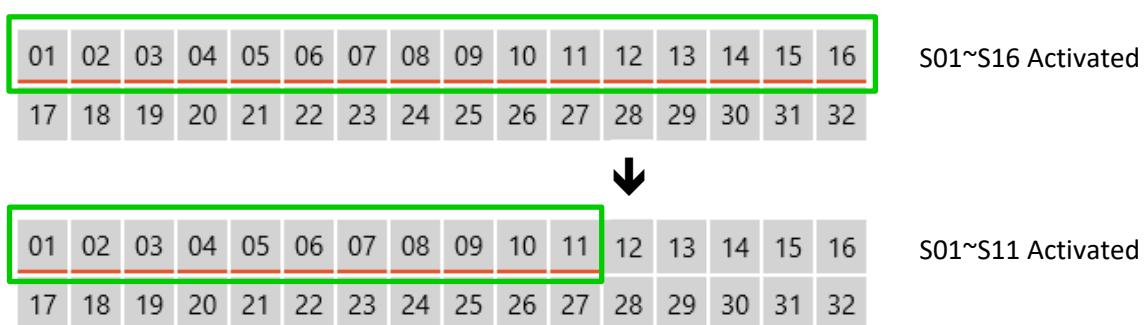
Sensor Health Status Real Time Monitoring

Enable "Wireless Sensor Disconnection Alarm" will allow Client Software keep checking the communication status of each sensor.
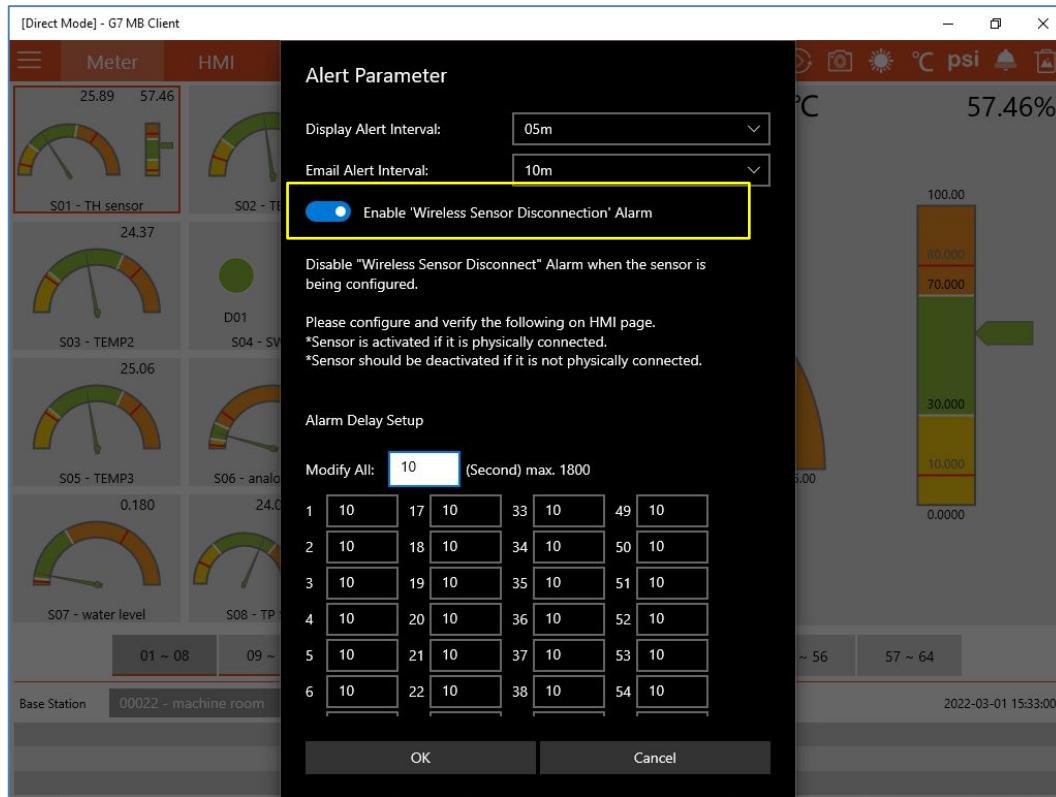
When sensor S02 is activated but not configured properly, Client Software will alert user as below.

If S02 is disconnected, user should deactivate S02 to avoid false alarm.
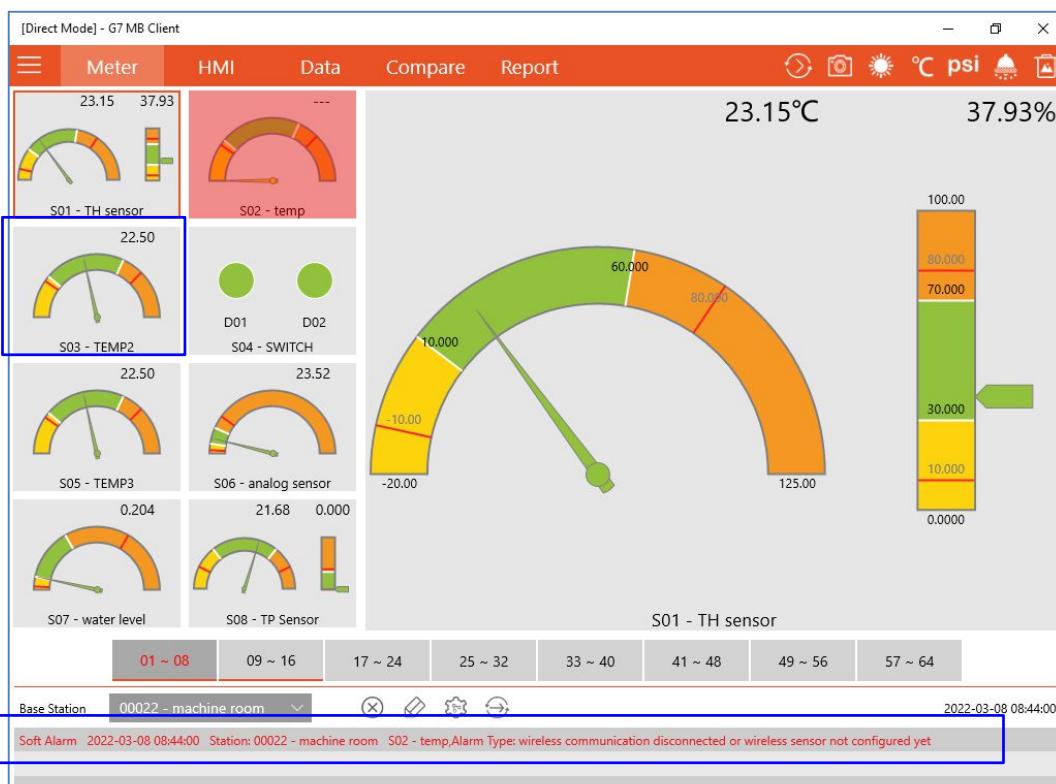
9. HMI (Human Machine Interface) Data View

In HMI mode, Mouse Right Click on main screen to load the background picture in png file format.
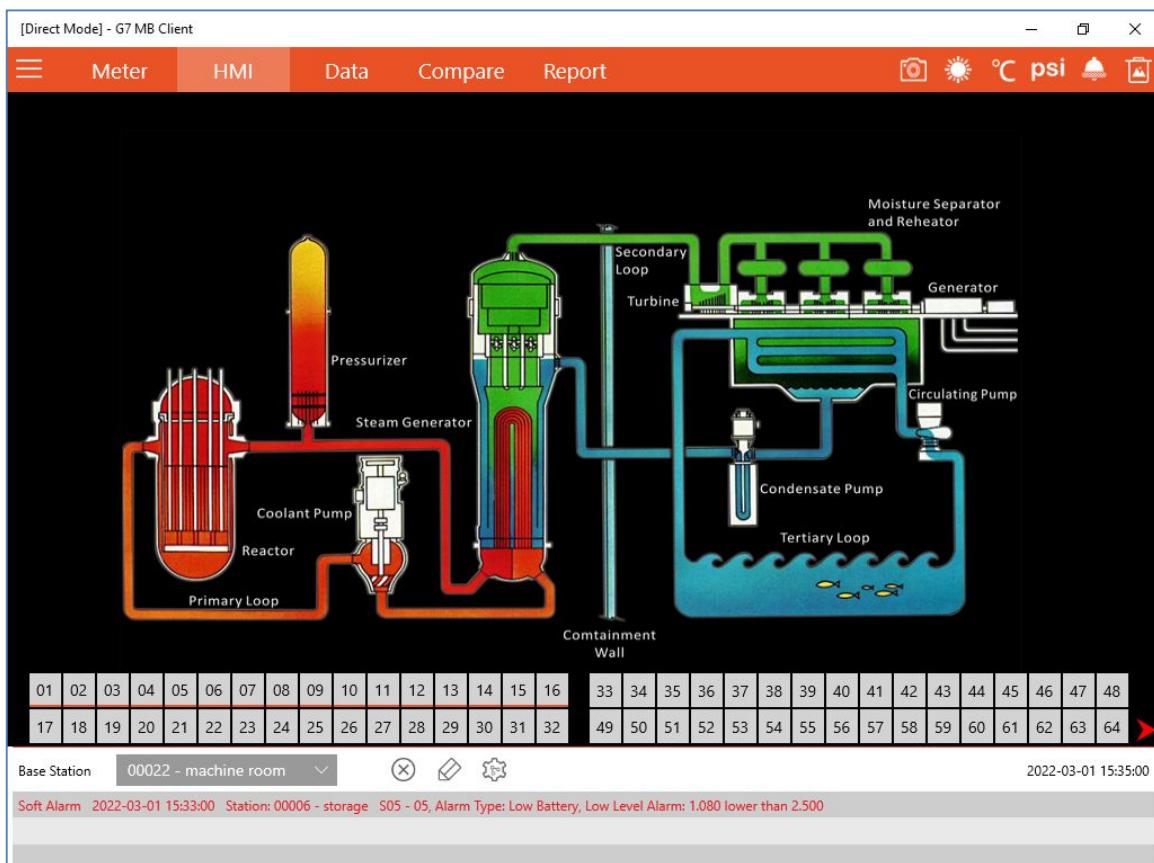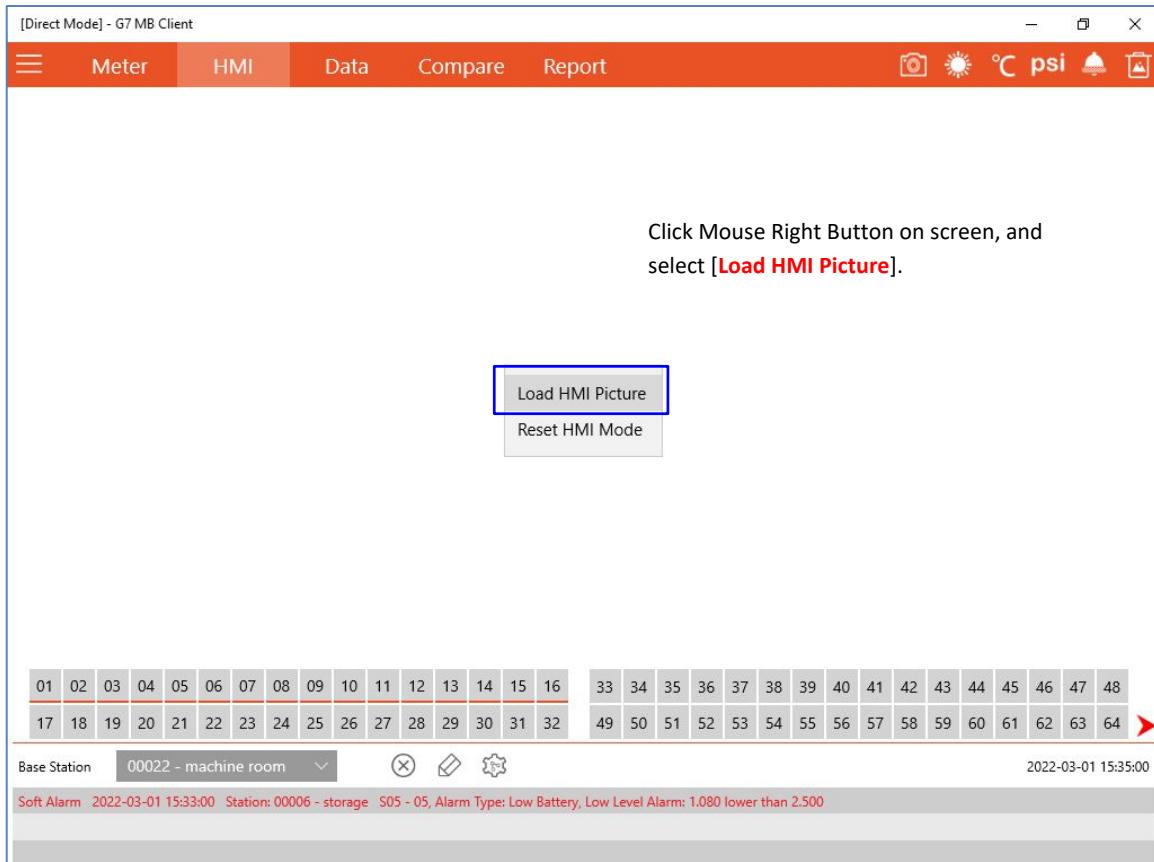
Select and locate sensors on HMI display:

Temperature or Analog Sensor

Temperature Humidity Sensor

Digital Alarm

Mouse Right Click
Modify Sensor Name

Select the Base Station

Hide Sensor Menu
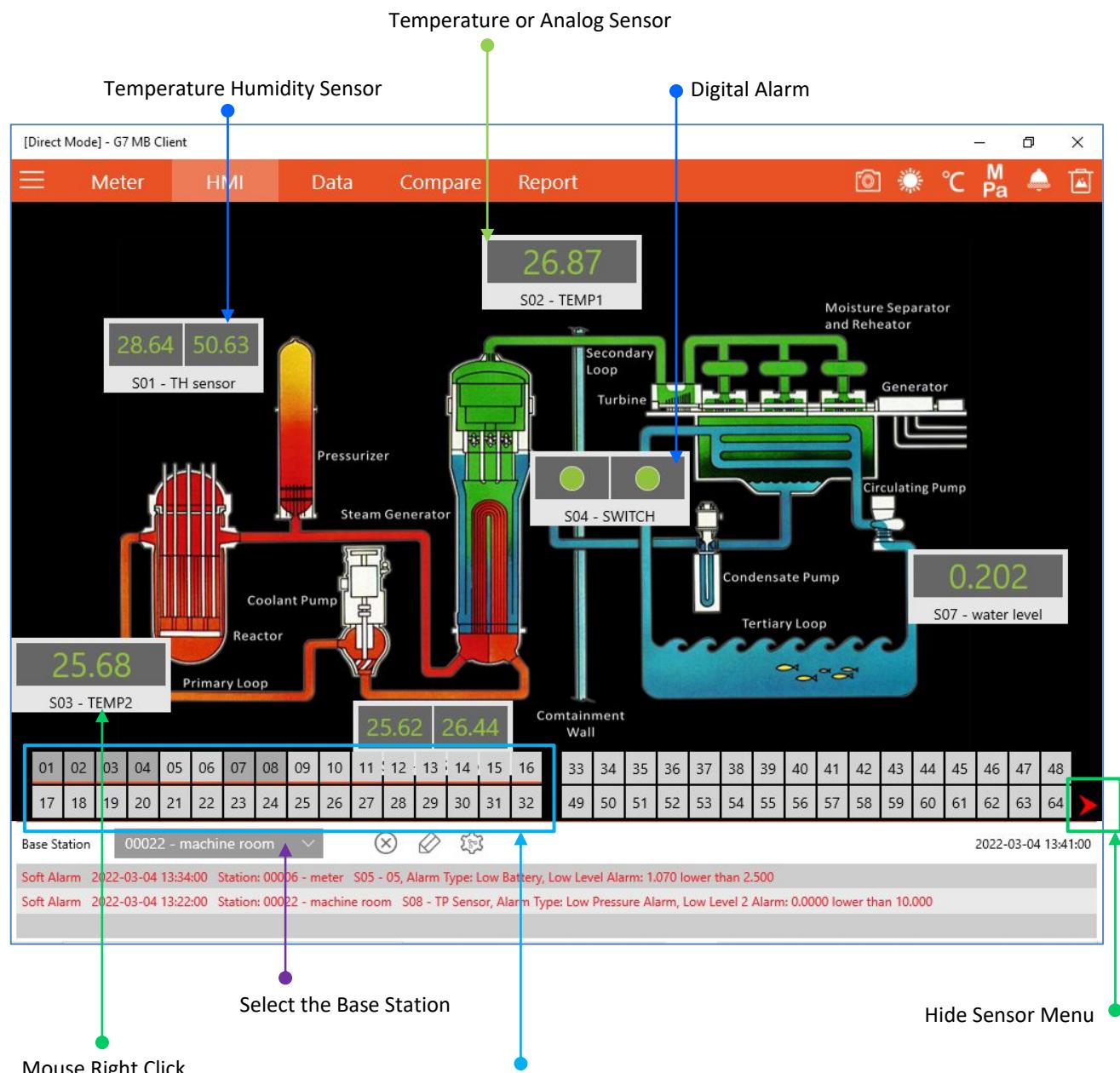
Select sensor to be displayed on picture
* Mouse Left Click to select or deselect the sensor
* **Point & Drag** to any location on the picture
* Sensor Number box is dark grey when it is placed on picture
* Sensor Number box is light grey with red bar when it is available for selection
* Point and Click the dark grey box will remove it from the picture

01   Sensor activated and selected for display on HMI

06   Sensor activated – available for display on HMI

15   Sensor deactivated – not available for display on HMI

10. HMI Alarm View

Alarm Level should be setup on METER view.
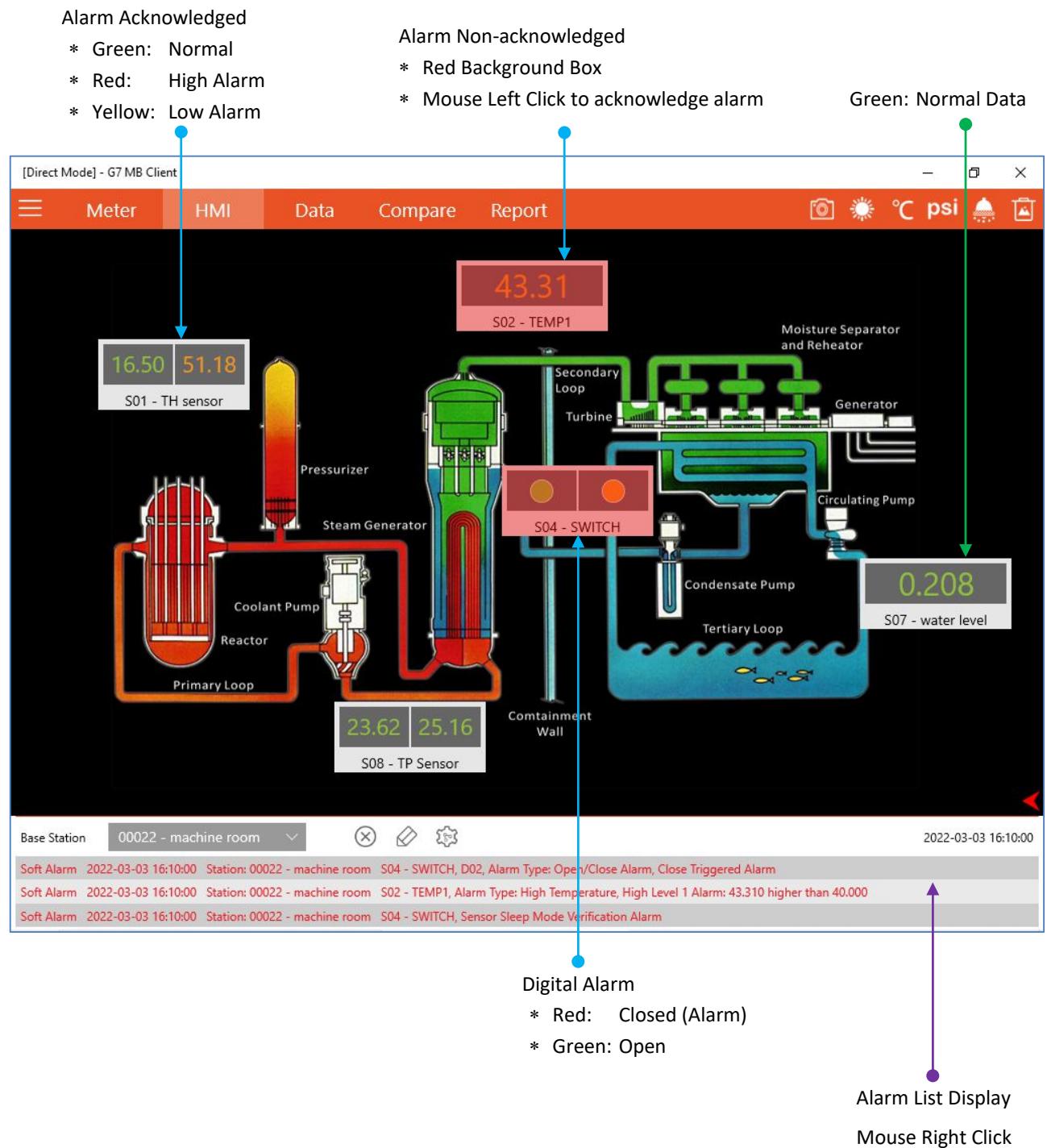
Alarm Acknowledged
* Green: Normal
* Red: High Alarm
* Yellow: Low Alarm

Alarm Non-acknowledged
* Red Background Box
* Mouse Left Click to acknowledge alarm

Green: Normal Data

Digital Alarm
* Red: Closed (Alarm)
* Green: Open

Alarm List Display

Mouse Right Click

ⓘ When alarm is acknowledged, this sensor alarm will only be active again after "Display Alert Interval".

11. Dashboard Data View

Select the Base Station
Select data to be displayed – sensor data, battery voltage level

1) Sensor Data View

Temperature or Analog Sensor

Temperature Humidity Sensor

Digital Alarm

Mouse Right Click: Modify Sensor Name

Select the Base Station

Select reading to be displayed
* Sensor Data
* Battery Voltage Level

2) Battery Level View

- Battery Voltage Level Display
- Voltage Alarm Level Setup

Battery Voltage Level

Mouse Left Click:
- ∗ Setup alarm voltage level of selected sensor
- ∗ Default: 2.8V

Select the Base Station

Select reading to be displayed
- ∗ Sensor Data
- ∗ Battery Voltage Level

Mouse Right Click:
- ∗ Setup alarm voltage level of **All** Sensors

12. Dashboard Alarm View

1) Sensor Alarm View

Alarm Level should be setup on METER view.

Alarm Non-acknowledged: Red Background Box
Mouse Left Click to acknowledge alarm

Digital Alarm
  * Red: Closed (Alarm)
  * Green: Open

Alarm Acknowledged
  * Green: Normal
  * Red: High Alarm
  * Yellow: Low Alarm

Green:Normal Data

Alarm List Display

Mouse Right Click – display the list of 99 newest alarms

ⓘ When alarm is acknowledged, this sensor alarm will only be active again after "Display Alert Interval".

2) Battery Level Alarm View

Battery Alarm Level can be setup by mouse right click.

Alarm Acknowledged

∗ Yellow: Low Alarm

Alarm Non-acknowledged: Red Background Box
Mouse Left Click to acknowledge alarm

Green: Normal Voltage

[Direct Mode] - G7 MB Client							– ☐ ✕
☰ Meter HMI Data Compare Report					⟳ ☐ ☀ ℃ psi 🔔 🖼		
2.500	**3.650**	**2.300**	**3.650**	**3.660**	**3.650**	**3.640**	**3.610**
S01 - TH sensor	S02 - temp	S03 - TEMP2	S04 - SWITCH	S05 - TEMP3	S06 - analog sens	S07 - water level	S08 - TP Sensor
S09 - refrigerator	S10 - 10	S11 - 11	S12 - 12	S13 - room	S14 - 14	S15 - 15	S16 - 16
S17 - 17	S18 - 18	S19 - 19	S20 - 20	S21 - 21	S22 - 22	S23 - 23	S24 - 24
S25 - 25	S26 - 26	S27 - 27	S28 - 28	S29 - 29	S30 - 30	S31 - 31	S32 - 32
S33 - 33	S34 - 34	S35 - 35	S36 - 36	S37 - 37	S38 - 38	S39 - 39	S40 - 40
S41 - 41	S42 - 42	S43 - 43	S44 - 44	S45 - 45	S46 - 46	S47 - 47	S48 - 48
S49 - 49	S50 - 50	S51 - 51	S52 - 52	S53 - 53	S54 - 54	S55 - 55	S56 - 56
S57 - 57	S58 - 58	S59 - 59	S60 - 60	S61 - 61	S62 - 62	S63 - 63	S64 - 64

Sensor   Battery

Base Station   00022 - machine room ⌄   ⊗ ✎ ⚙   2022-03-04 15:33:00

Soft Alarm   2022-03-04 15:33:00   Station: 00022 - machine room   S03 - TEMP2, Alarm Type: Low Battery, Low Level Alarm: 2.300 lower than 2.600
Soft Alarm   2022-03-04 15:32:00   Station: 00006 - 00006   S05 - 05, Alarm Type: Low Battery, Low Level Alarm: 1.070 lower than 2.500
Soft Alarm   2022-03-04 15:25:00   Station: 00006 - 00006   S05 - 05, Alarm Type: Low Battery, Low Level Alarm: 1.070 lower than 2.500

Alarm List Display

Mouse Right Click – display the list of 99 newest alarms

Select reading to be displayed

∗ Sensor Data

∗ Battery Voltage Level

13. Compare Chart

(1) Live Chart View

- Select the Base Station and Sensor Group or Individual Sensor
- Each Base Station supports max. 64 sensors in 8 groups.
- Sensors are grouped as 01~08, 09~16, 17~24, 25~32, 33~40, 41~48, 49~56, 57~64.
- Timeline is fixed in displaying the most updated ~100 data readings
- Mouse over each point will display the reading at that time

Statistic Data: Average, Max. & Min. Values in the selected period are displayed
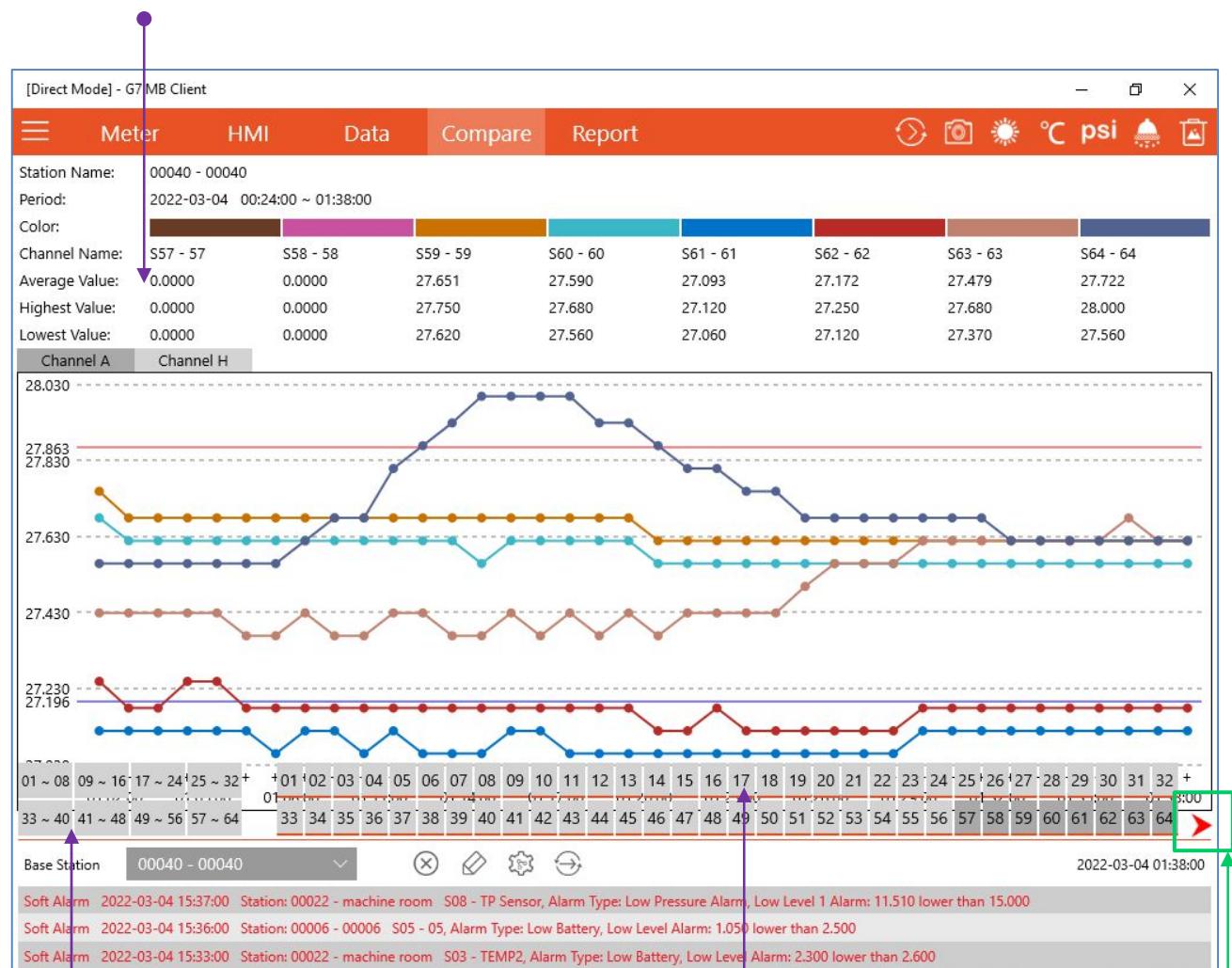
Select sensor group to be displayed in line chart
* Mouse Left Click to select the sensor group

Mouse Left Click
select or deselect the sensor to be displayed in line chart

Hide Sensor Menu

18   Sensor activated and selected for display in line chart

12   Sensor activated – available for display in line chart

25   Sensor deactivated – not available for display in line chart

(2) Channel A, H

- Channel A > displays temperature, AD1, or D01 according to sensor type
- Channel H > displays humidity, AD2, or D02 according to sensor type

Channel	G7-T2/TX/H2/H3	G7-AD	G7-TP	G7-MB	G7-D2
A	Temperature	AD1: 4-20mA	Temperature	Floating Point	D01: Open/Close
H	Humidity	AD2: 0-5V	Pressure	Integer	D02: Open/Close

Select Display of Channel A and H

Mouse over Chart Line – data reading displayed

High & Low Alarm Level lines can be dragged to
different values for comparison or reference.

Show Sensor Menu
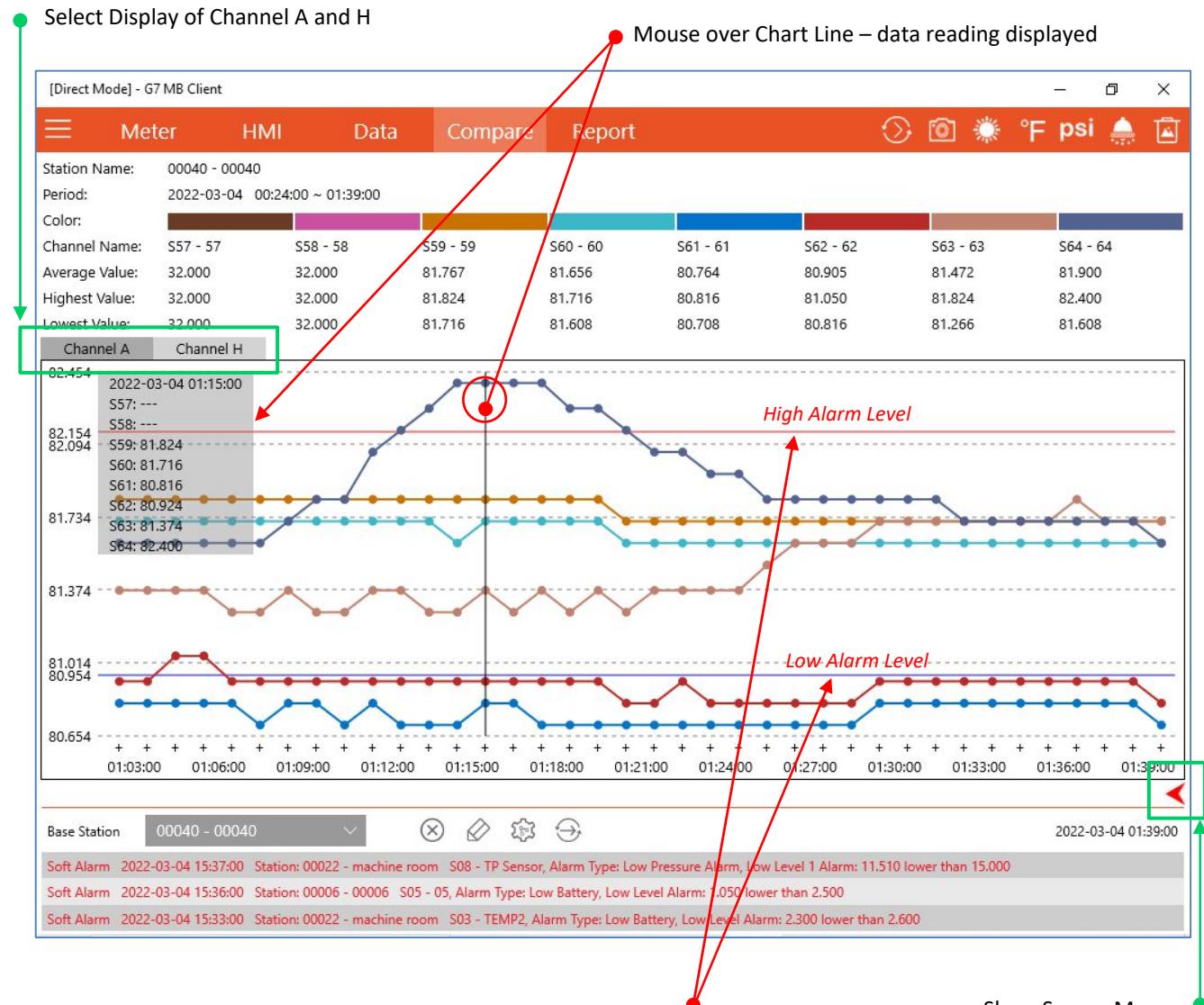
(3) Chart Line and Column Graph

- When only one sensor is selected, Chart Line and Column Graph can be selected.
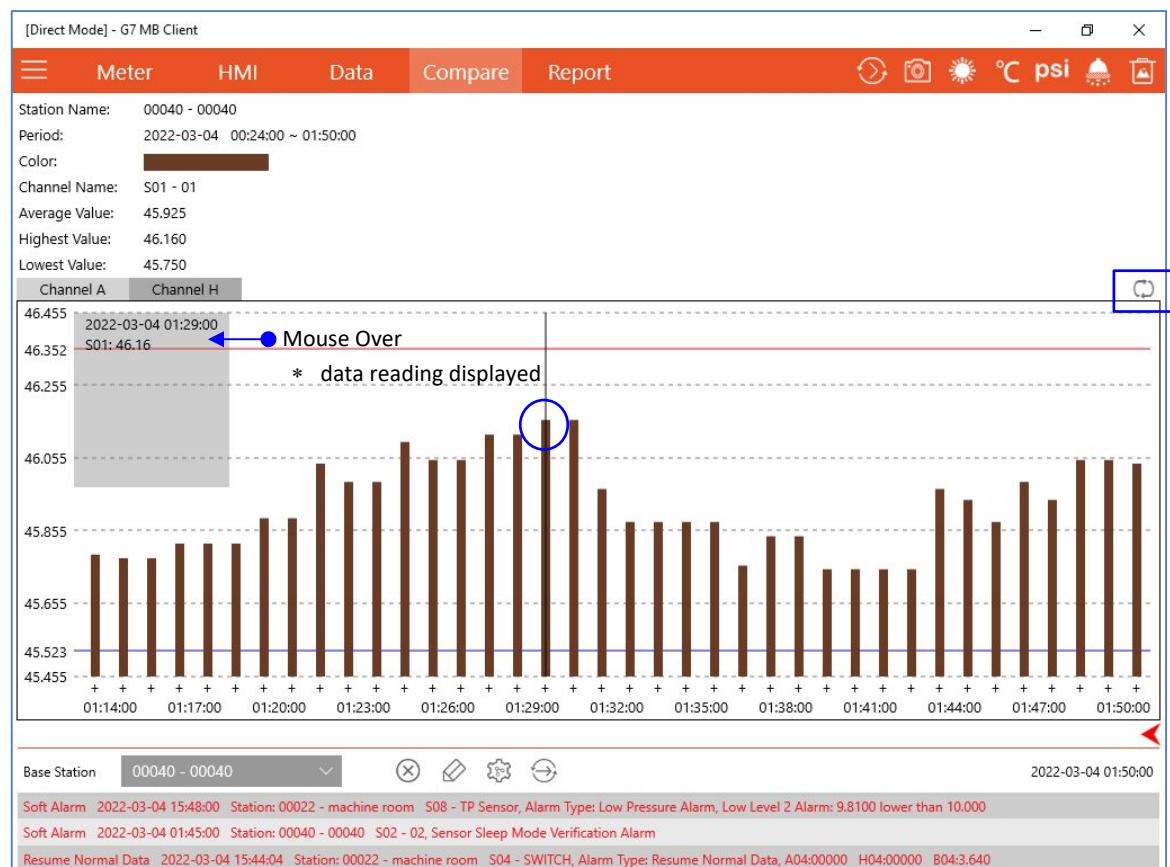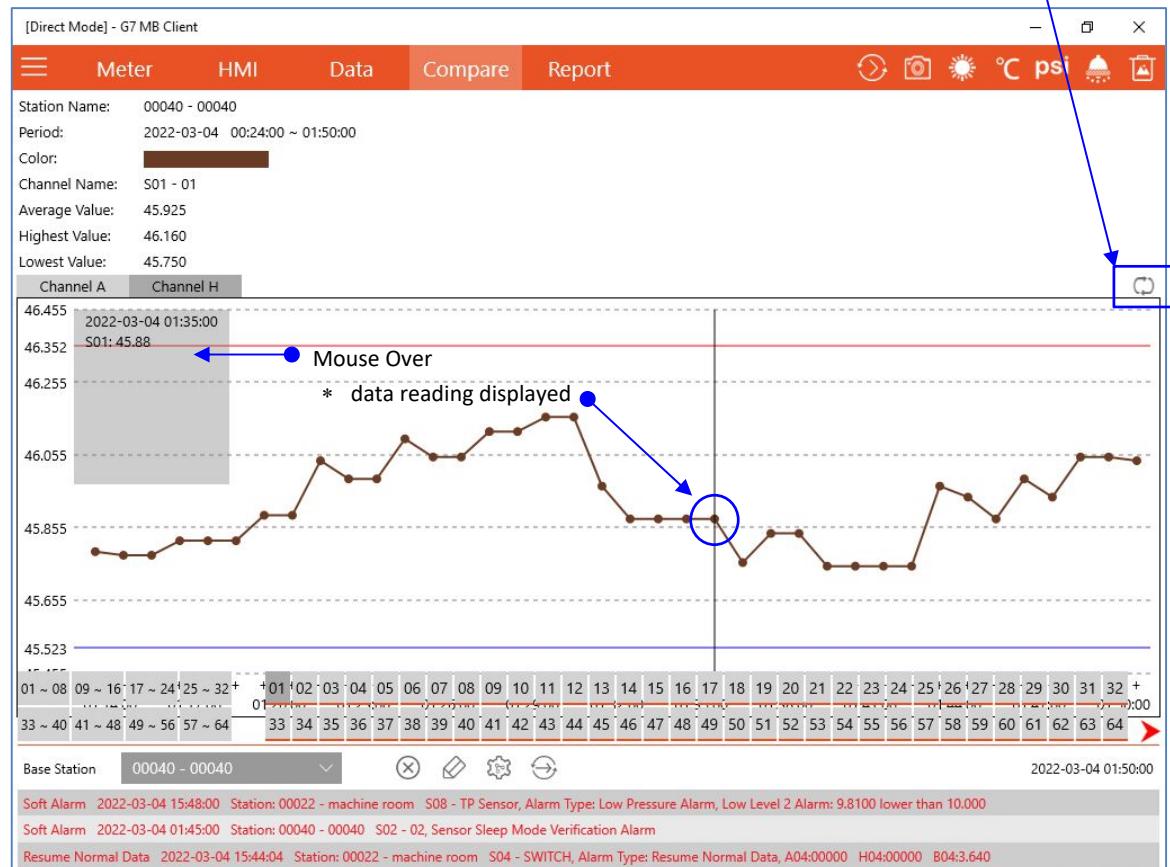
14. Report – History Data

(1) History Data Chart View

- Select the Base Station and Sensor Group or Individual Sensor
- Each Base Station supports max. 64 sensors in 8 groups.
- Sensors are grouped as 01~08, 09~16, 17~24, 25~32, 33~40, 41~48, 49~56, 57~64.
- Select period of history data (Year, Month, Week, Day, Hour)
- Mouse over each point will display the reading at that time
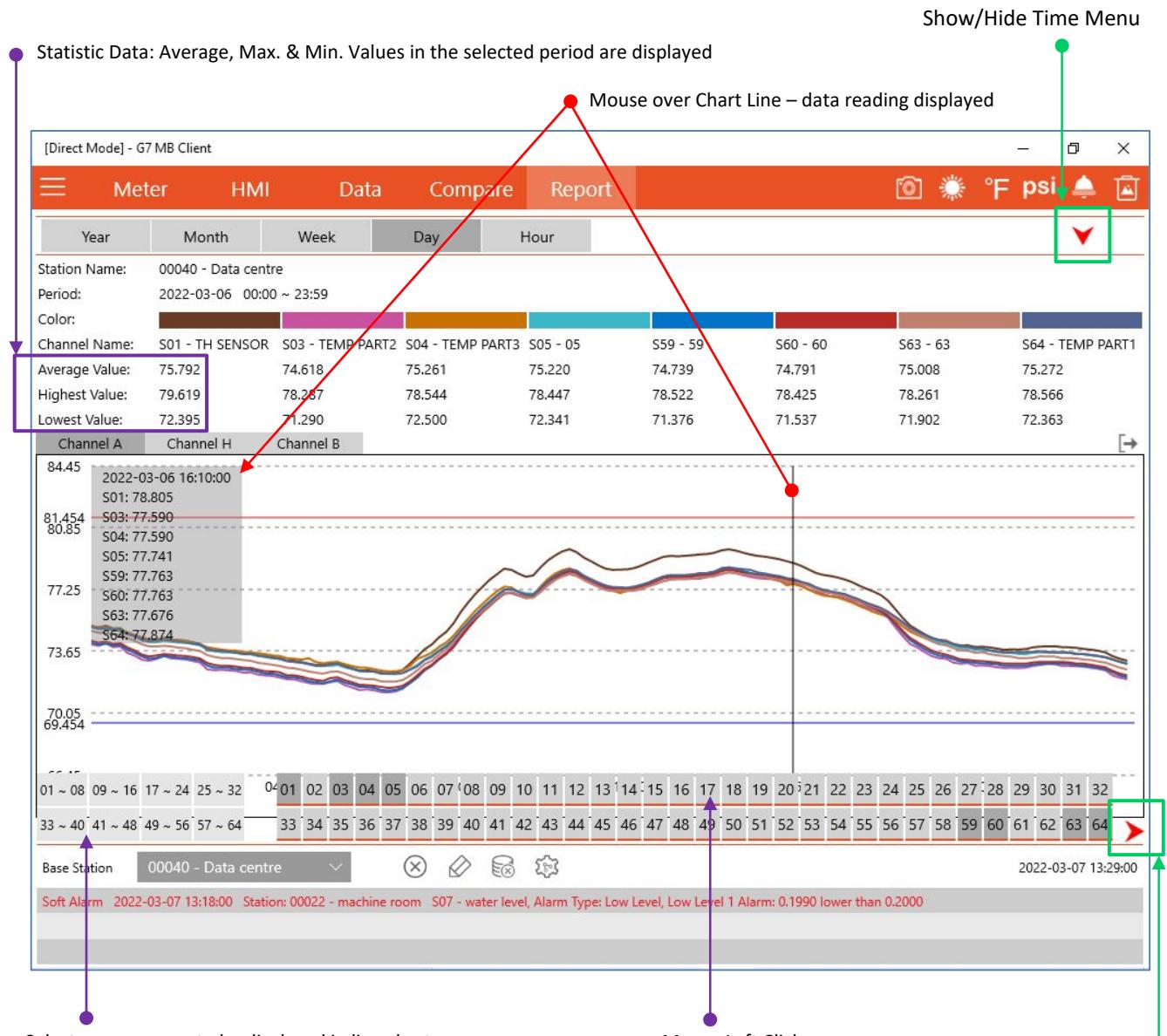
Show/Hide Time Menu

Statistic Data: Average, Max. & Min. Values in the selected period are displayed

Mouse over Chart Line – data reading displayed

Select sensor group to be displayed in line chart

∗ Mouse Left Click to select the sensor group

Mouse Left Click
select or deselect the sensor to be displayed in line chart

Hide Sensor Menu

18 Sensor activated and selected for display in line chart

12 Sensor activated – available for display in line chart

25 Sensor deactivated – not available for display in line chart

36

(2) History Data Period & Data Storage

- Incoming data of all connected base stations will be saved locally

- Select time range and start time for history data display

Select Time Period
Year/Month/Week/Day/Hour

Select Start Date/Time

Show/Hide Time Menu

Max. 2 years data will be saved into local storage.

Click [🗄] to delete history data from local storage.

Delete history data of 3 months ago

Delete history data of 6 months ago

Delete history data of 1 year ago

Delete history data of 2 years ago

(3) Channel A, H, B

- Channel A   > displays temperature, AD1, or D01 according to sensor type
- Channel H   > displays humidity, AD2, or D02 according to sensor type
- Channel B   > displays battery level

Channel	G7-T2/TX/H2/H3	G7-AD	G7-TP	G7-MB	G7-D2
A	Temperature	AD1: 4-20mA	Temperature	Floating Point	D01: Open/Close
H	Humidity	AD2: 0-5V	Pressure	Integer	D02: Open/Close

Select Display of Channel A, H and B
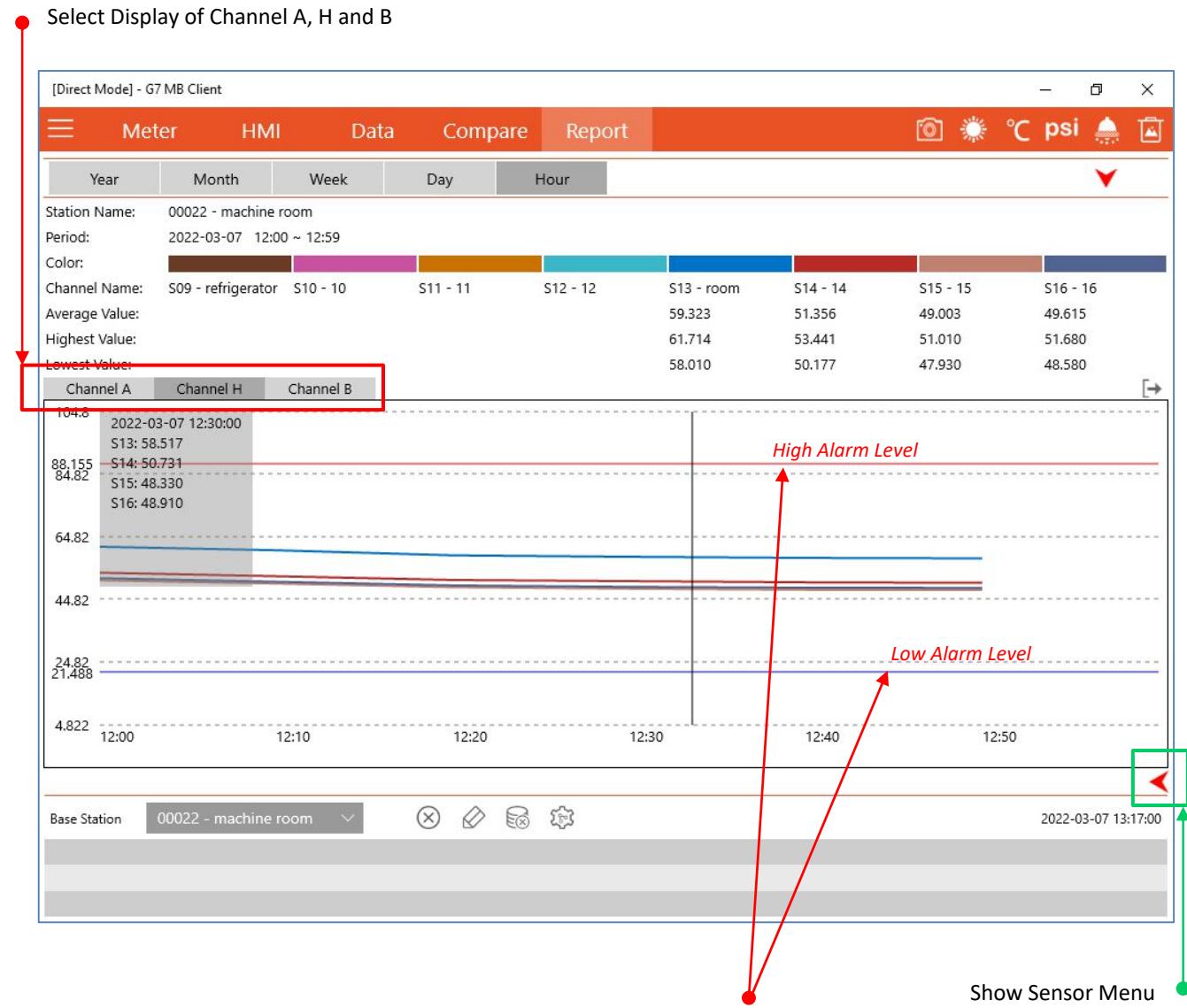
High & Low Alarm Level lines can be dragged to
different values for comparison or reference.

(4) Report Data Export

- Click [ ] button to export data of selected time range on report line chart

- Select the type of export data file
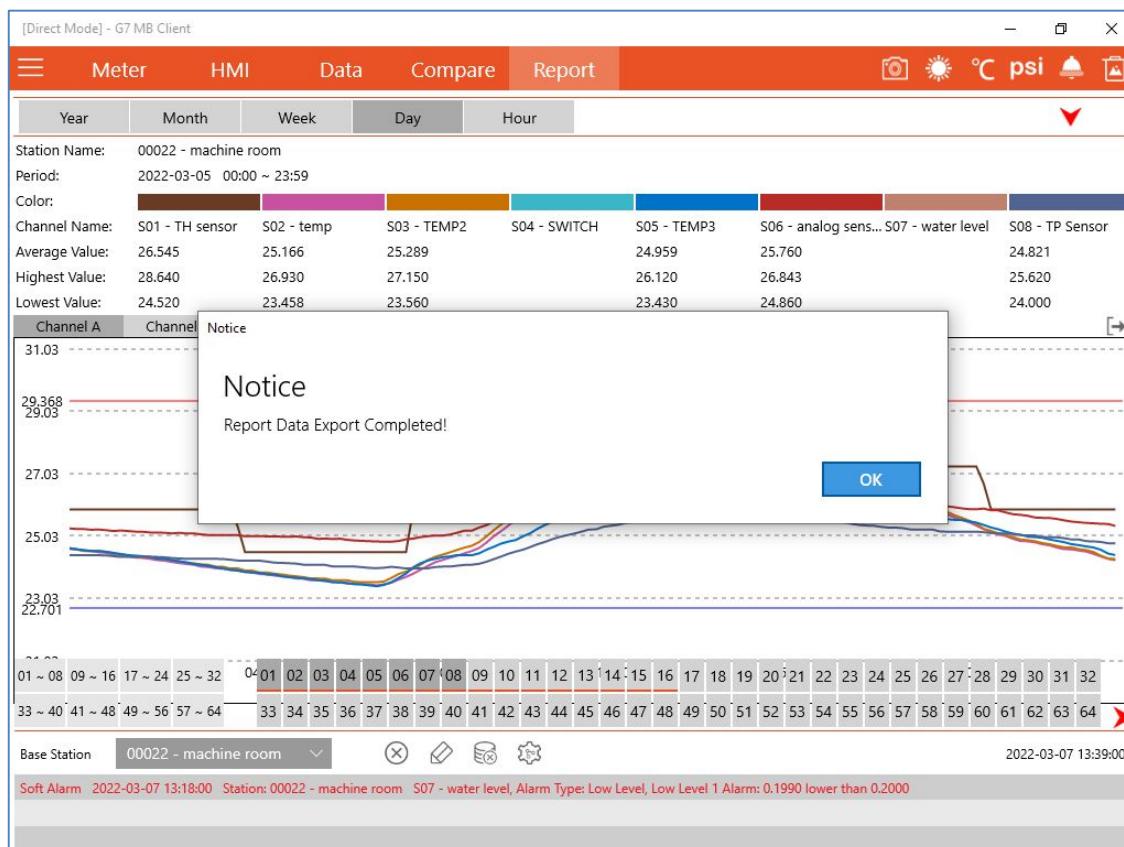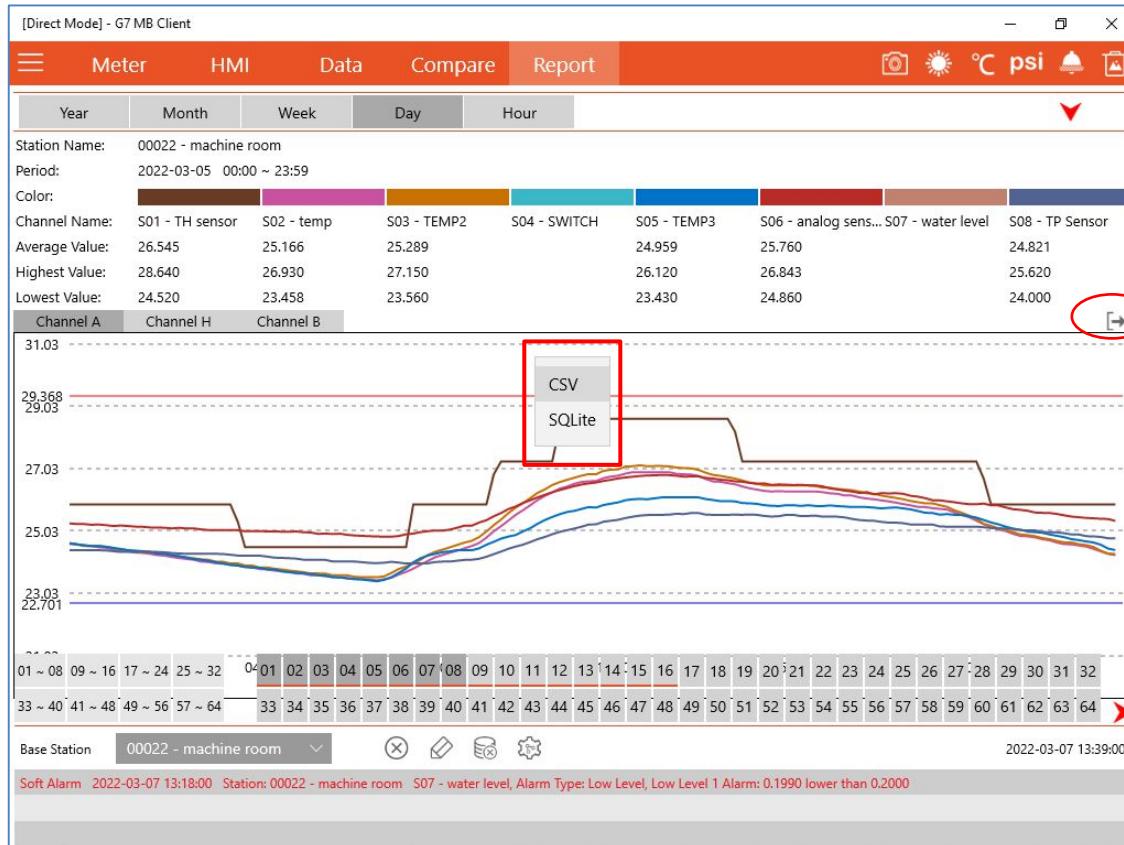
(5) Chart Style selection

When only one sensor is selected, press ⟳ button to select Chart, Column or Hi/Lo graph.
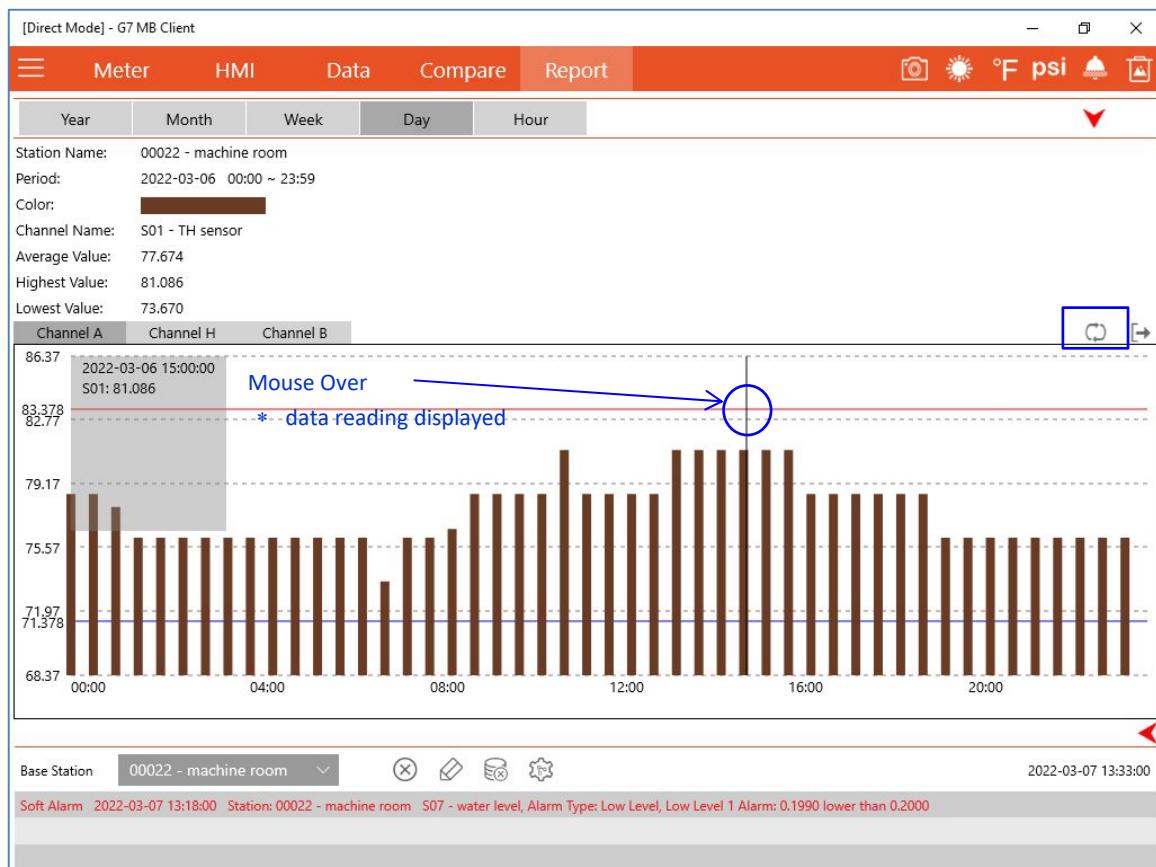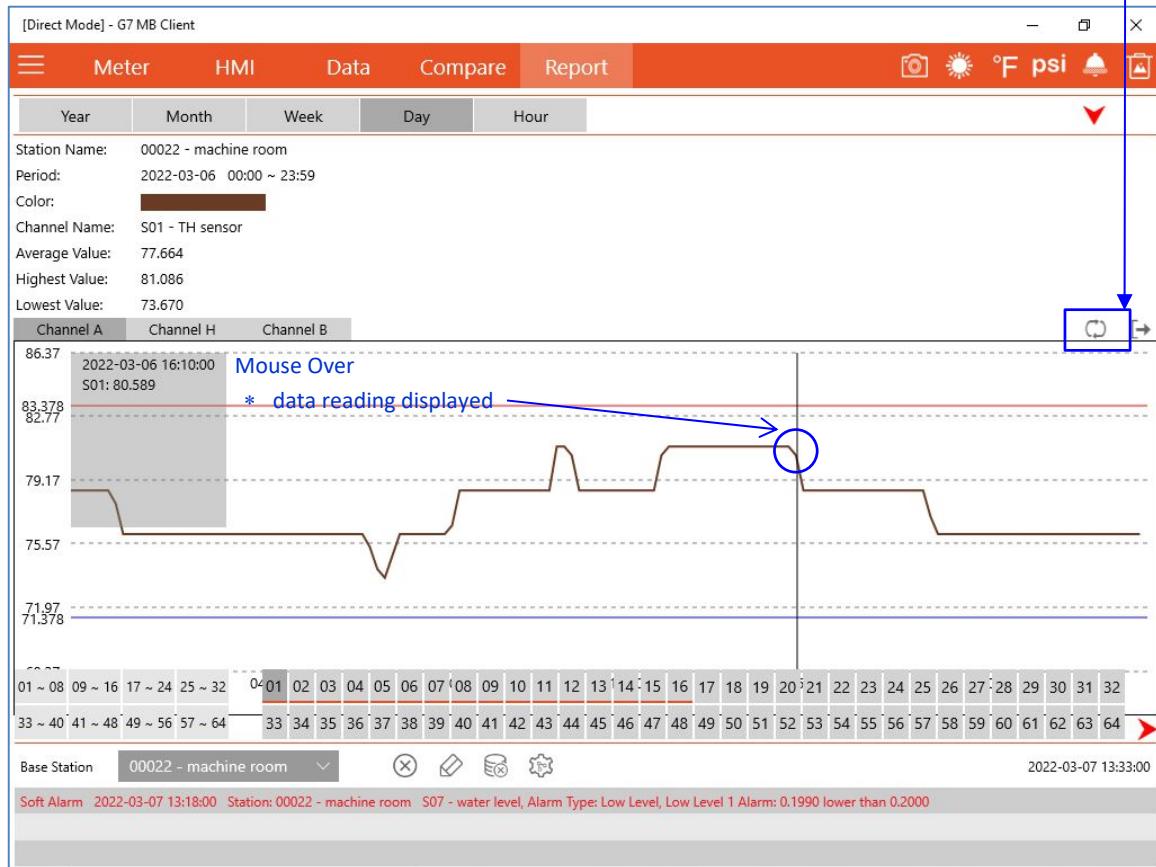
Hi/Lo Graph Report
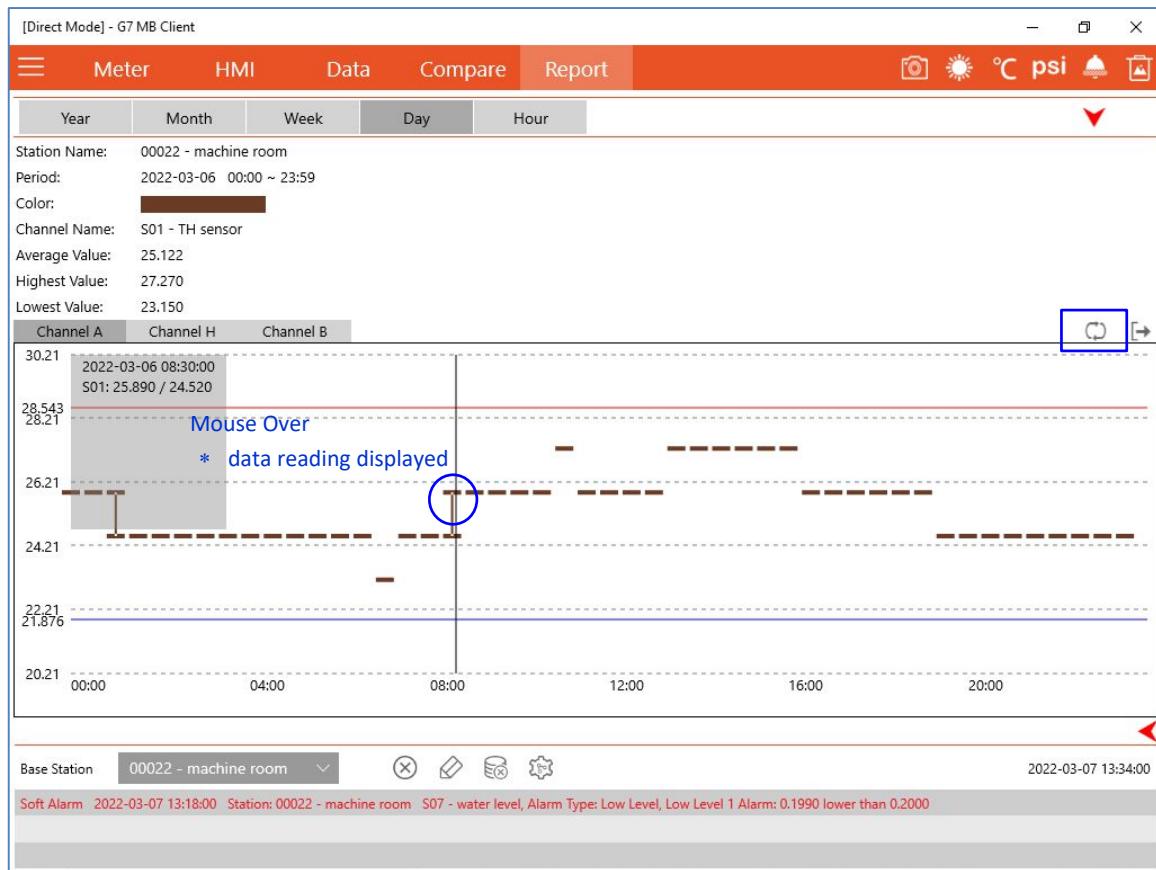
(6) Button Function

1) Delete Station ID
2) Modify Station Name
3) Delete Local Storage
4) Setup Alarm Alert Properties

15. Day Night Display

(1) Day Night Mode select by Mouse Left Click

(2) Daylight Saving Time change by Mouse Right Click
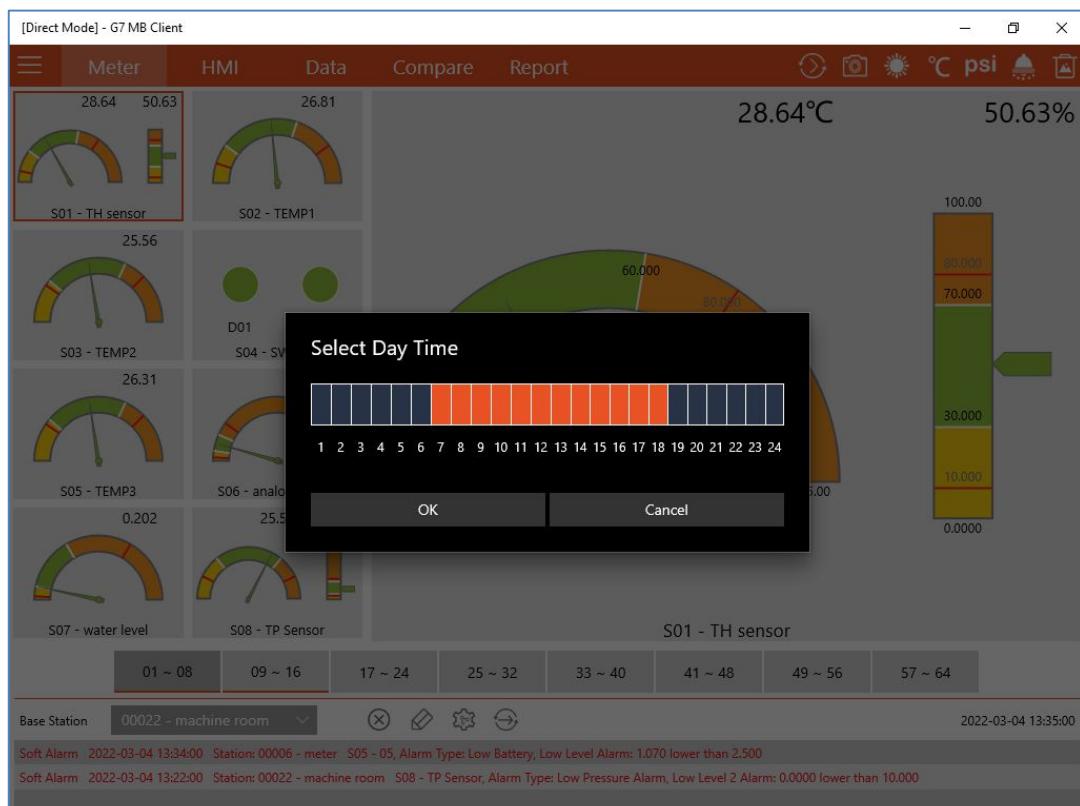
16. Data Export

(A) Live Data Export

- Live Data of all registered base stations will be saved into local storage automatically
- Data will only be displayed and saved when running G7 MB Client on front end
- Max. 2 years of data will be kept in local storage
- Stored data can be exported to files in csv or SQLite format
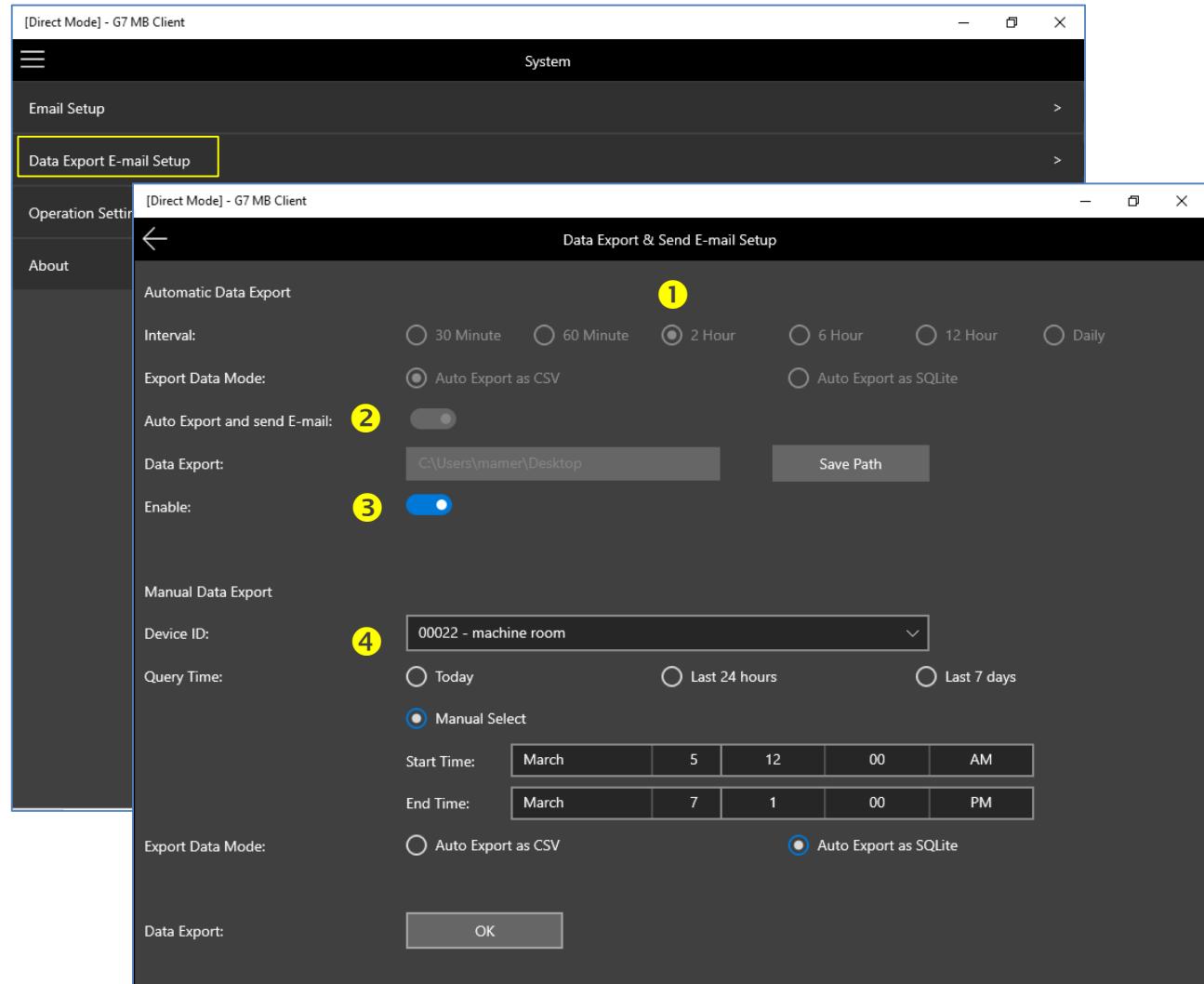
Automatic Data Export

(1) Select [Interval] – client software will export data of all registered base stations to files in interval
(2) [Auto Export and send E-mail] allows data file sent to email address on Email Setup
(3) [Enable] exports data of all registered base stations into user selectable folder in interval automatically

Manual Data Export

(4) It allows user to export data of selected base station and period into a file

Example:

- User click [Enable] at 3:00pm and select "60 minutes" interval.
- G7 MB Client will start to export data at 3:00pm into files every 60 minute.
- At 9pm, there will be 6 data files between 3:00pm~9:00pm.

(B) History Data Export

- Live Data is received by G7 MB Client, and then saved into local storage automatically
- Data retrieved from local storage is History Data
- Download time will be long when time range is too wide
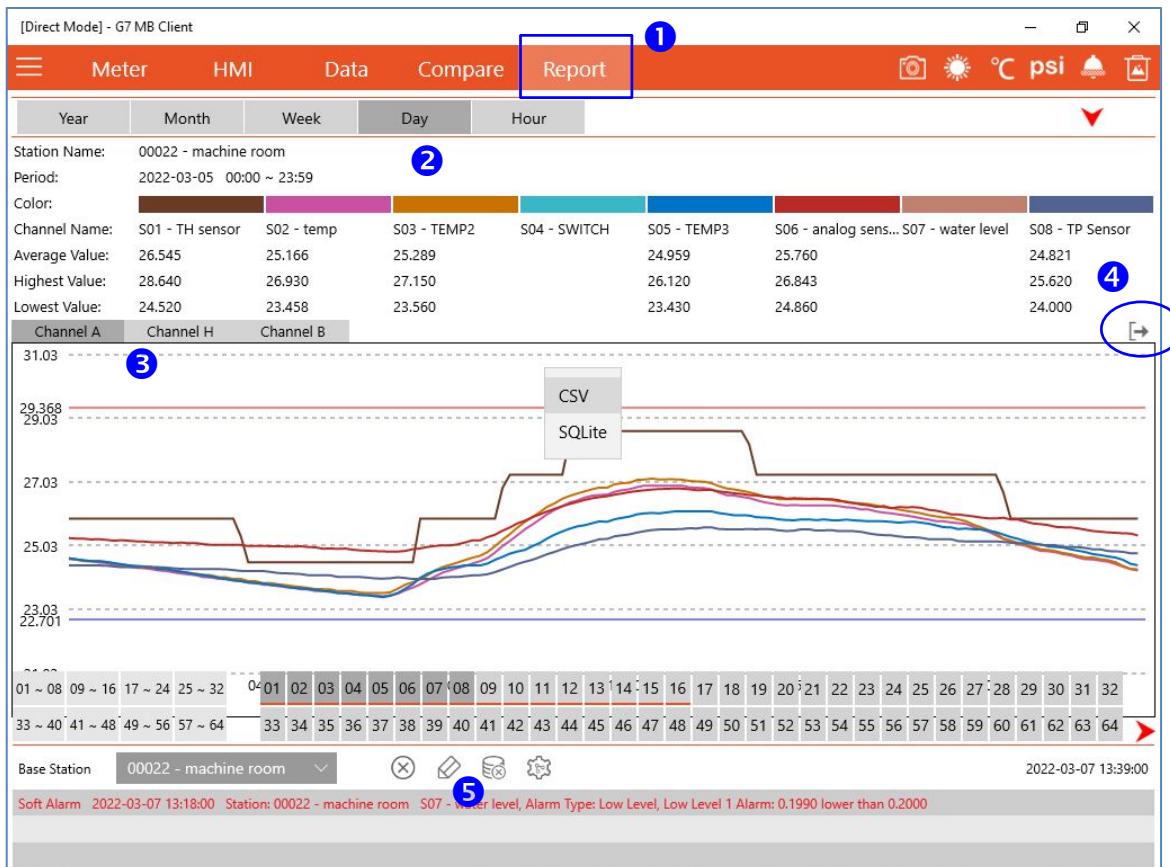
(1) Select the base station and sensors in Report

(2) Select the time range and start time

(3) Select Channel A/H/B

(4) Click [ ] button to export the data in csv or SQLite format

(C) Delete Stored Data

(5) Click [ ] to delete history data from local storage

17. Alarm Type

User will be alerted in following ways:

- G7 MB Client App (on screen and audio buzzer)

- Email sent from G7 MB Client

Alarm type:

1) Channel A: High Low Alarm - Temperature / Analog Sensor A01

2) Channel H: High Low Alarm - Humidity / Analog Sensor A02

3) Digital Alarm D01, D02

4) Sensor Battery Low Level [default: 2.5V]

5) Wireless Sensor Communication Loss or Sensor Not Configured Properly

6) Sensor Probe Defect

7) Sleep Mode Verification Alarm

8) Device Alarm

9) Data Resume Normal Level

(1) Sensor Alarm High
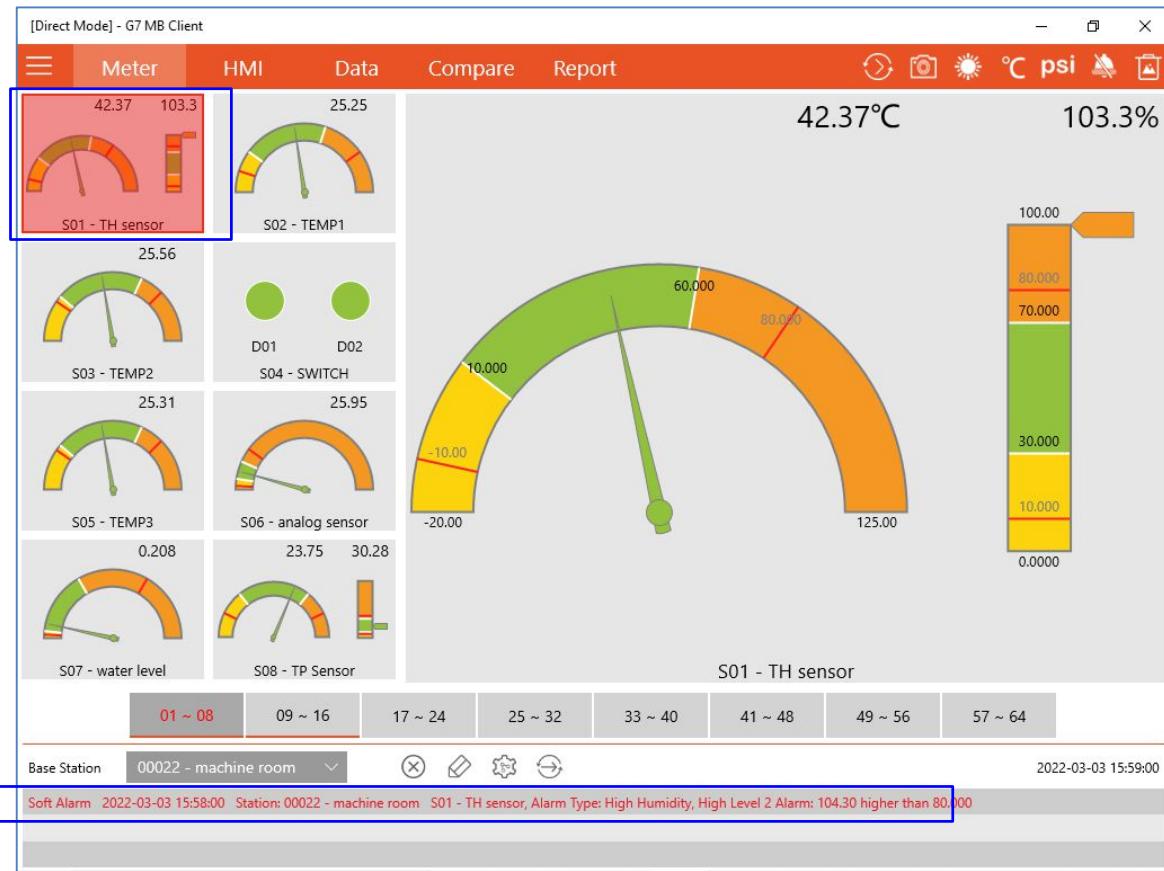
(2) Sensor Alarm Low
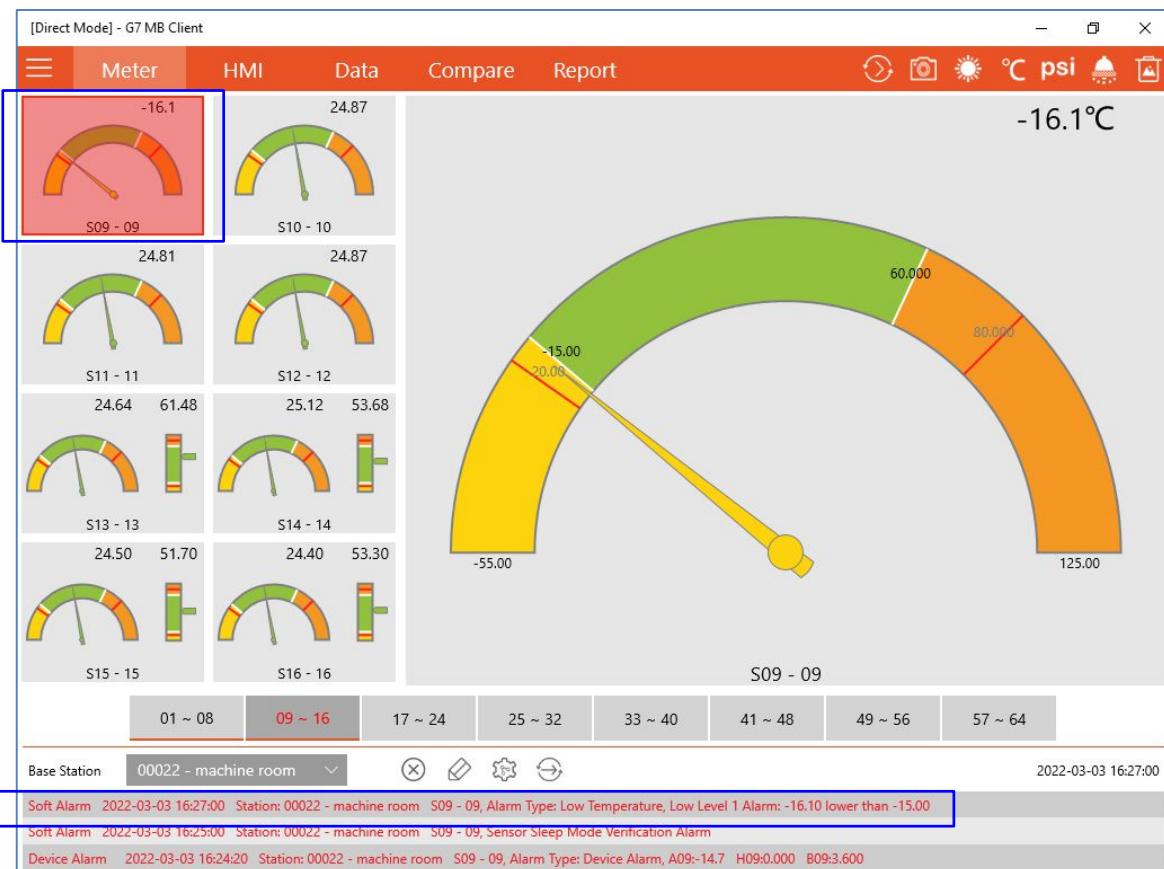
(3) Sensor Connection Loss / Sensor Not Configured
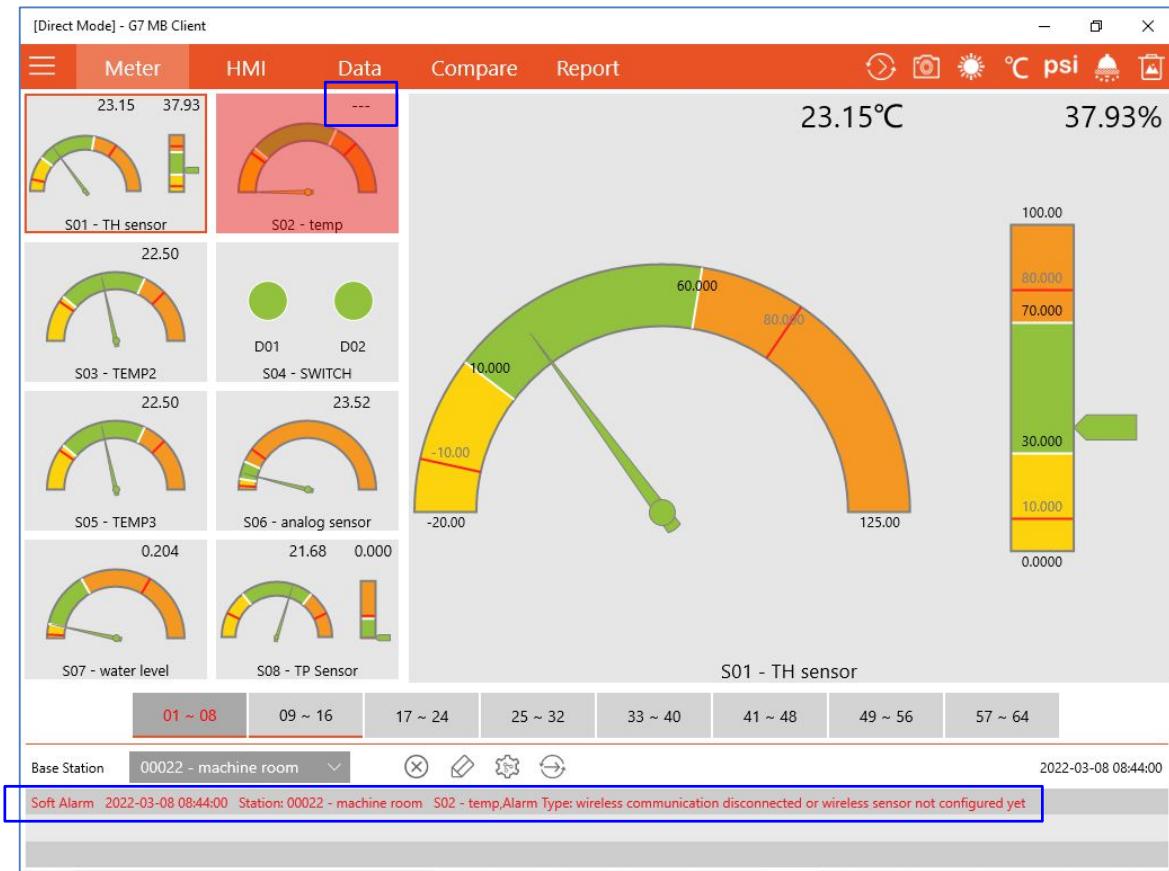
(4) Sensor Probe Defect or Disconnected
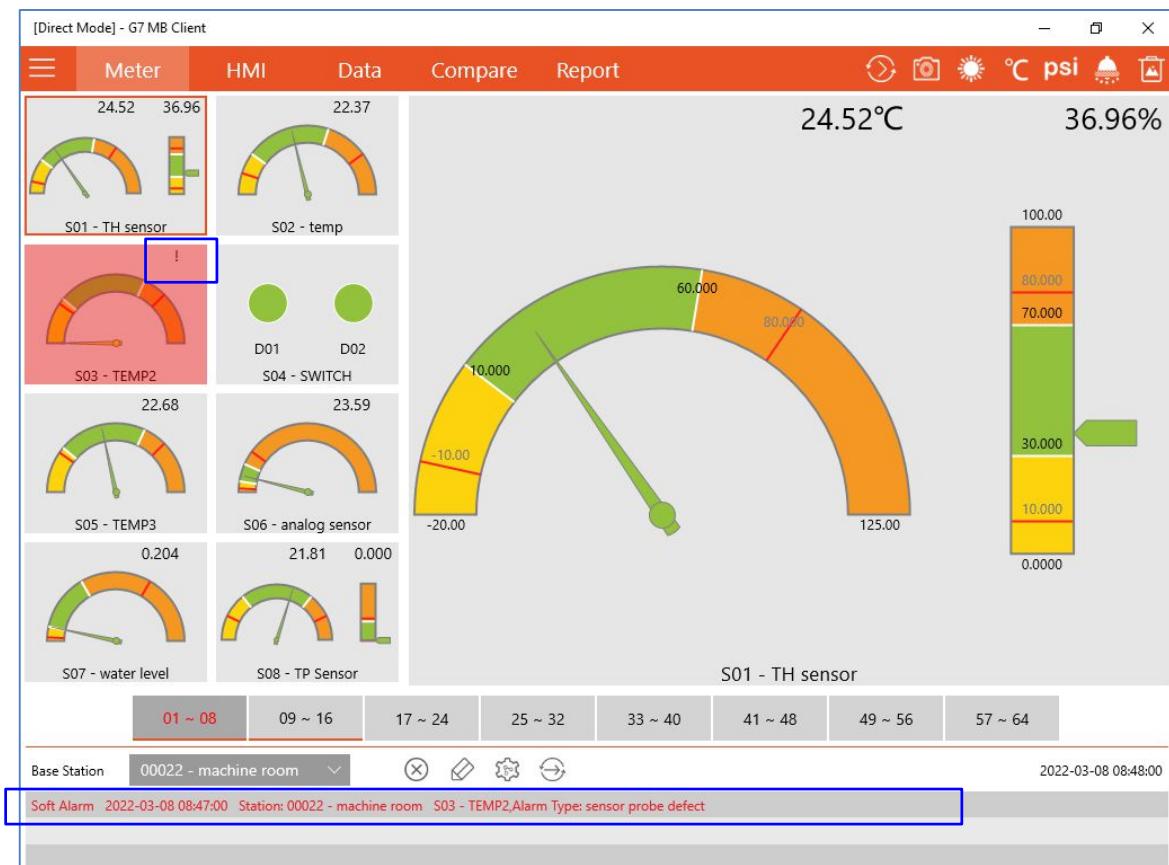
(5) Resume Normal Data
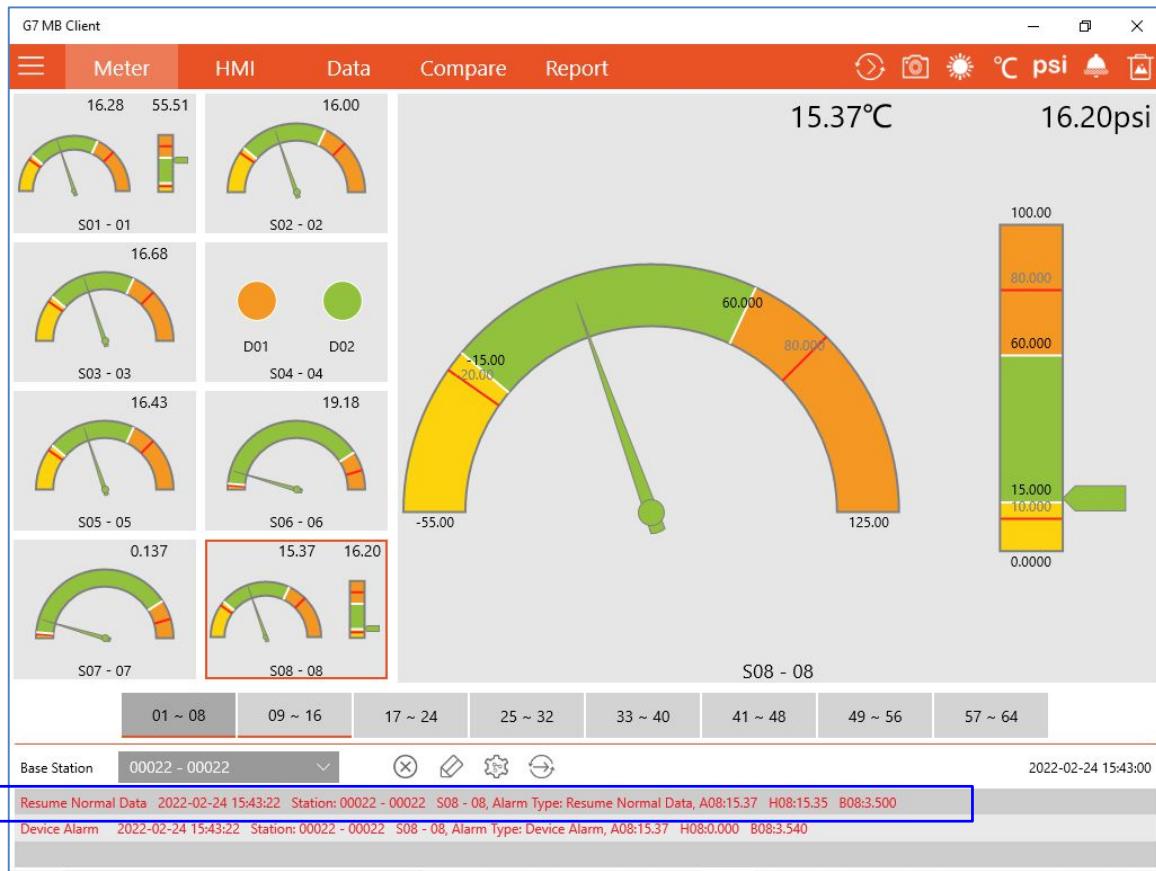
(6) Battery Low Level
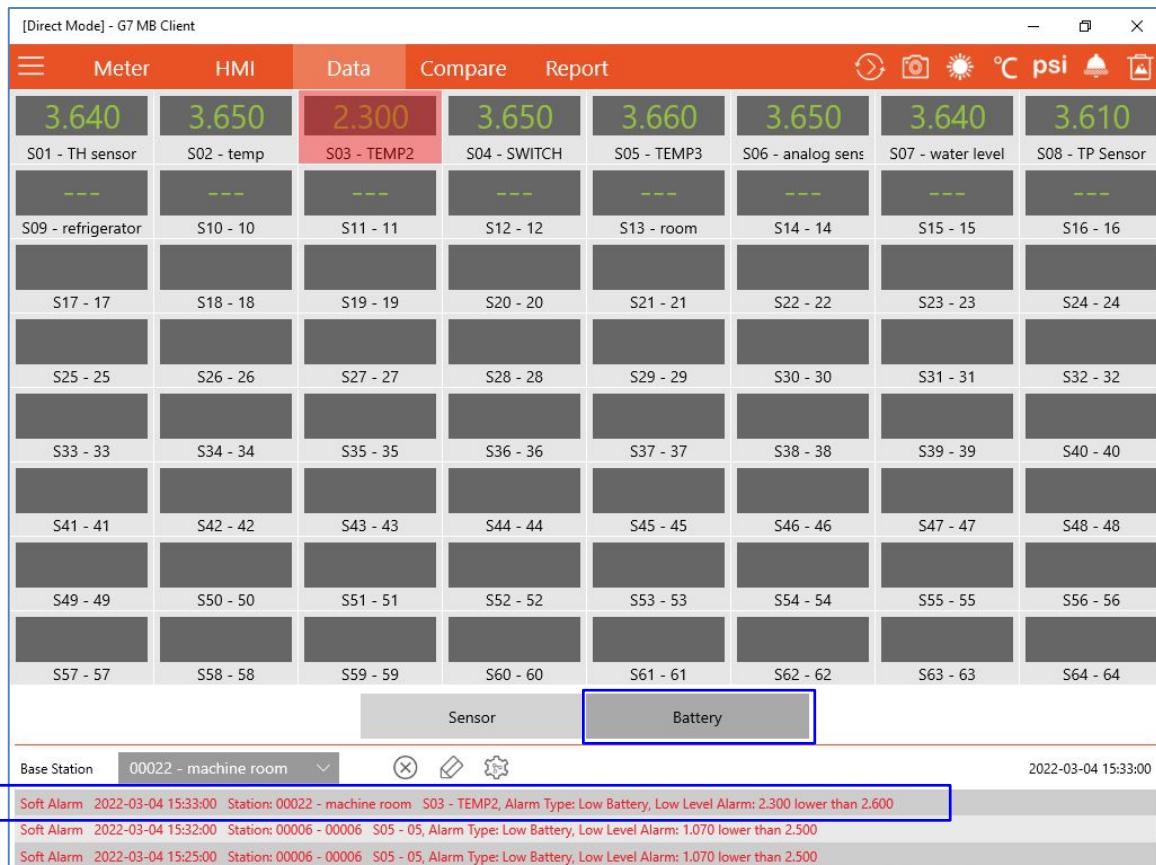
(7) Digital Alarm
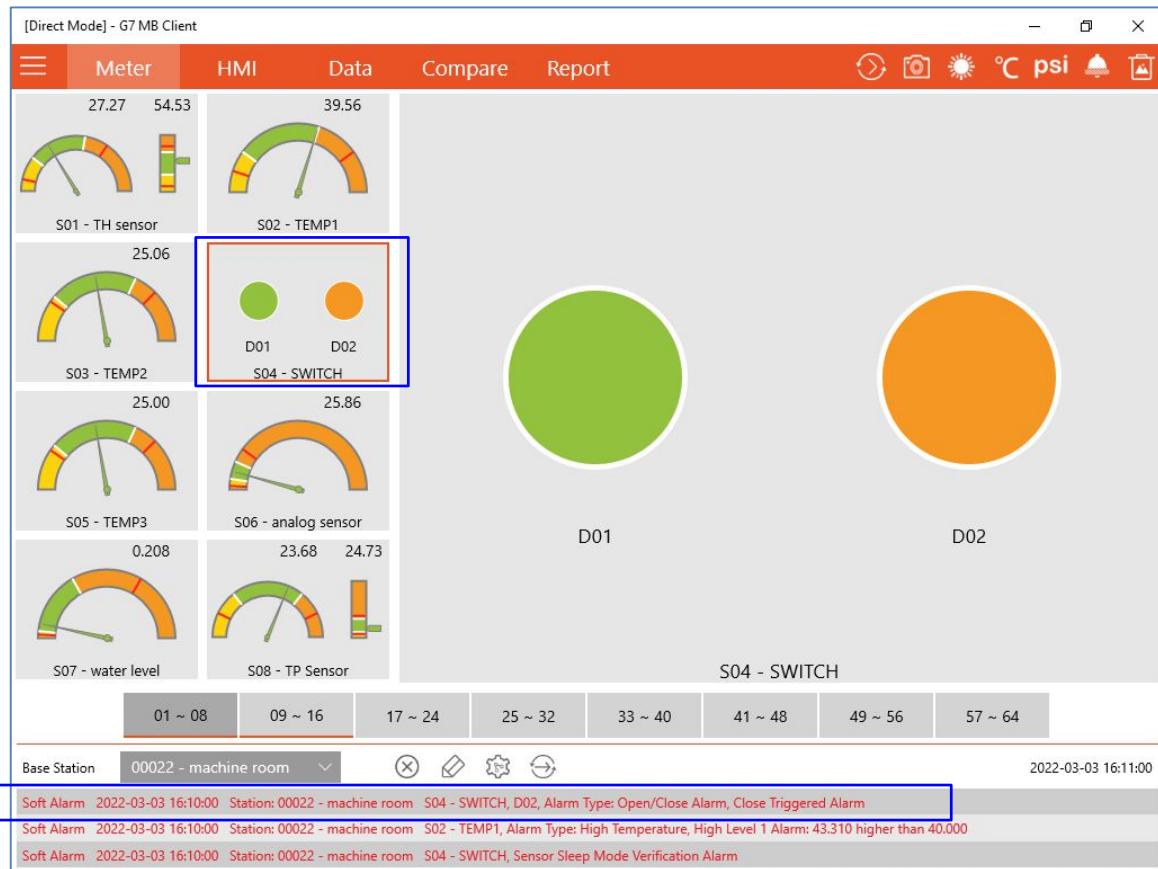
(8) Sleep Mode Verification Alarm
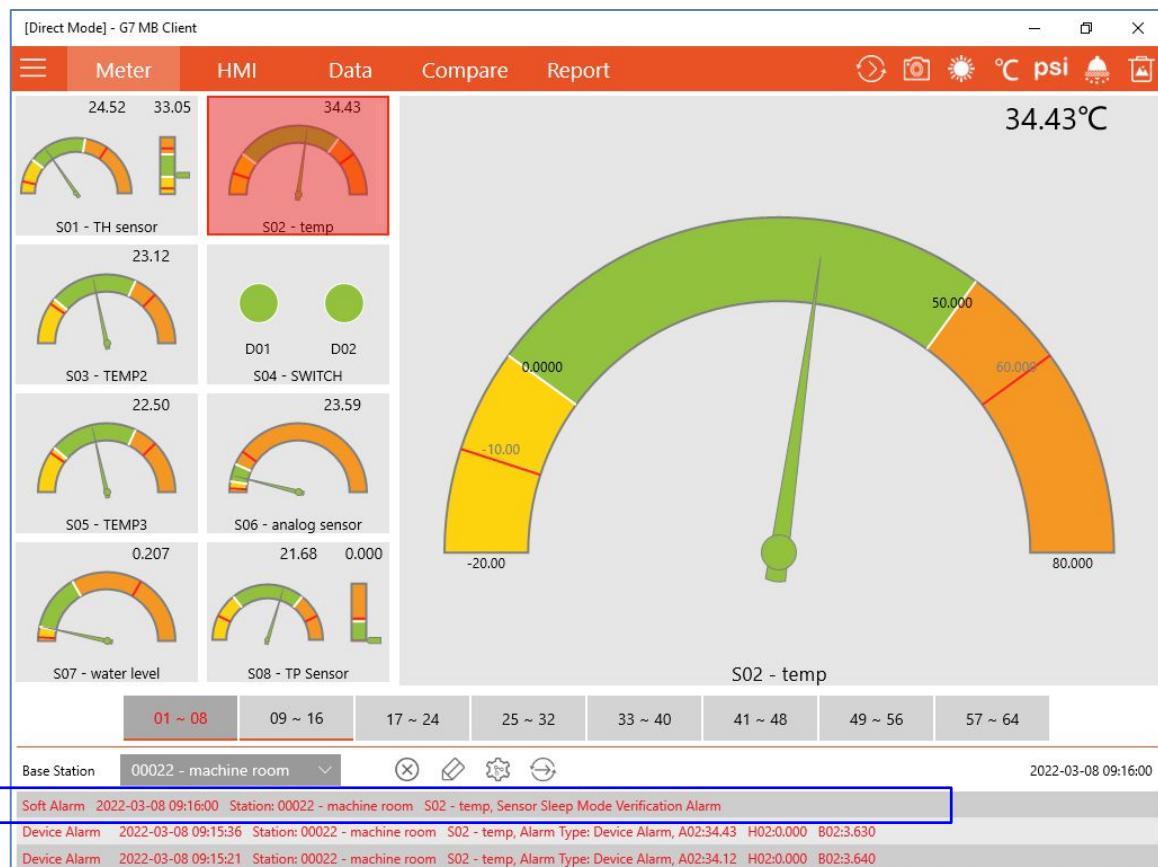
(9) Device Alarm

[Device Alarm] is the hardware alarm delivered from wireless sensor directly.

Device Alarm Level is configured in hardware by G7 Setup.
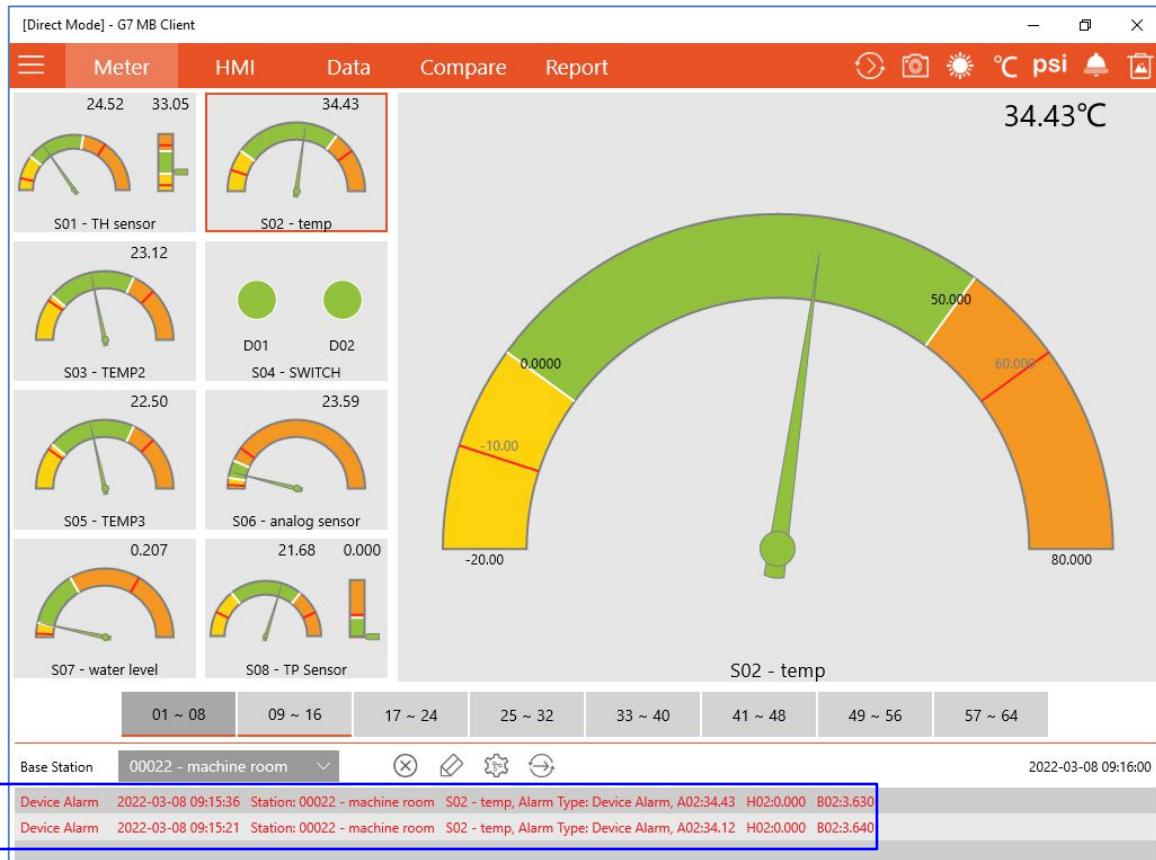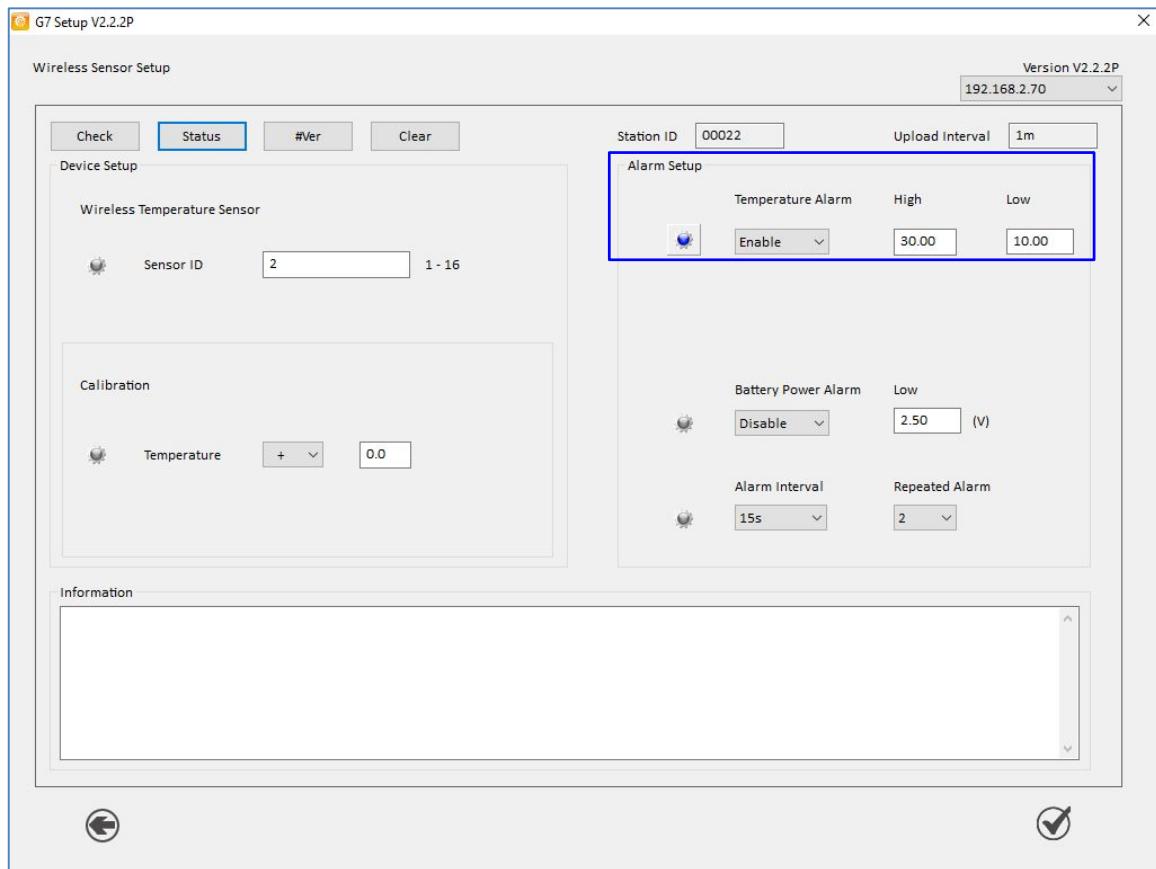
18. How user is alerted by alarm?

When soft alarm is triggered, user can be alerted by:

(1) G7 Client – On Screen Display & Audio Buzzer
(2) Alarm Email

(A) On Screen Display & Audio Buzzer on G7 MB Client

User will be alerted by:
- alert display
- audio buzzer
- alarm list

 Audio Alert

 Audio Alert Acknowledged

 Audio Alert Disabled

 Acknowledge All Alarms

Alert Display

Buzzer

Alarm List
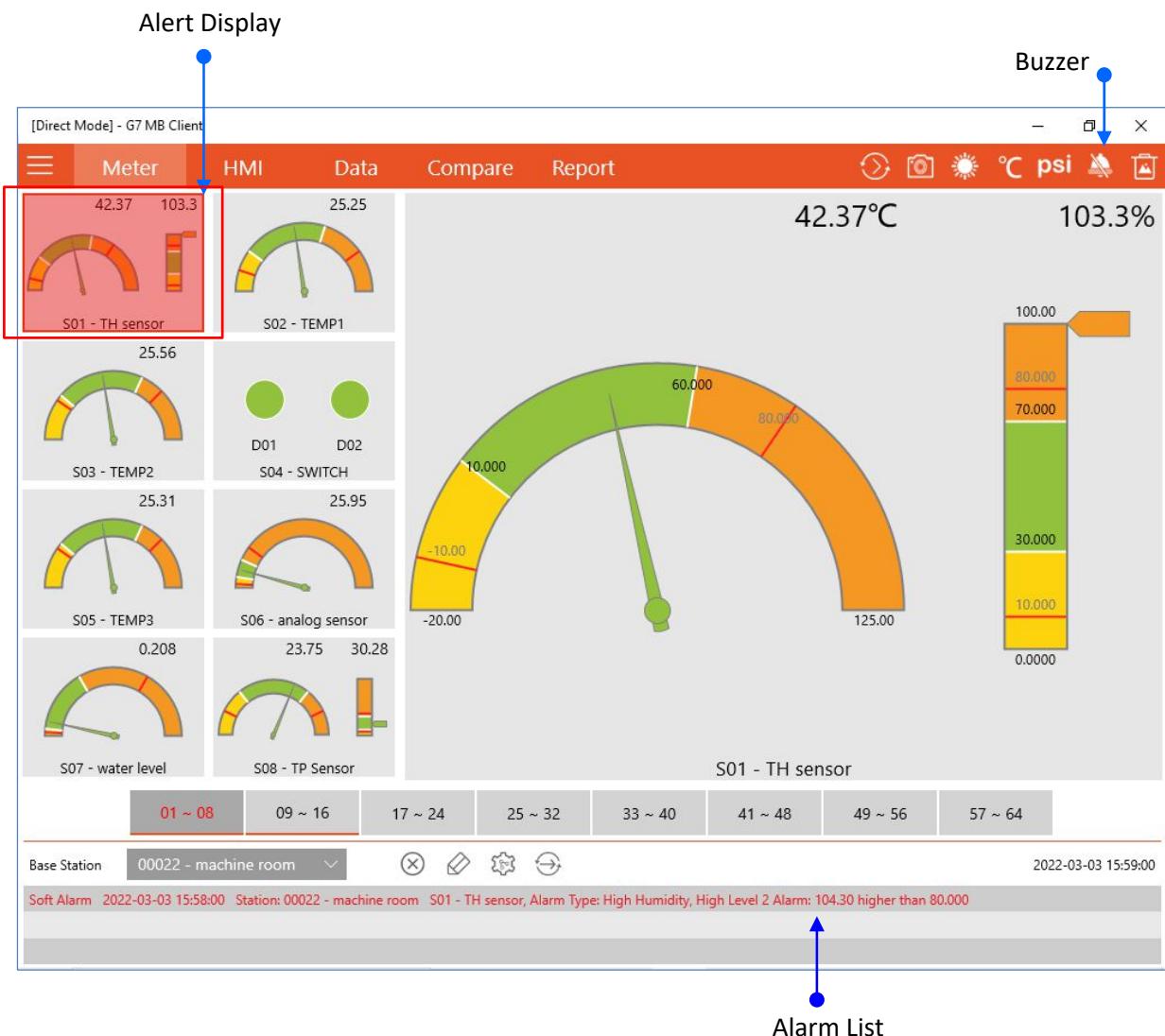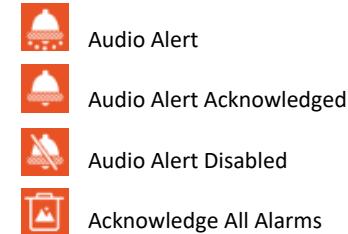
(B) Alarm Email Address – Alarm sent from G7 MB Client
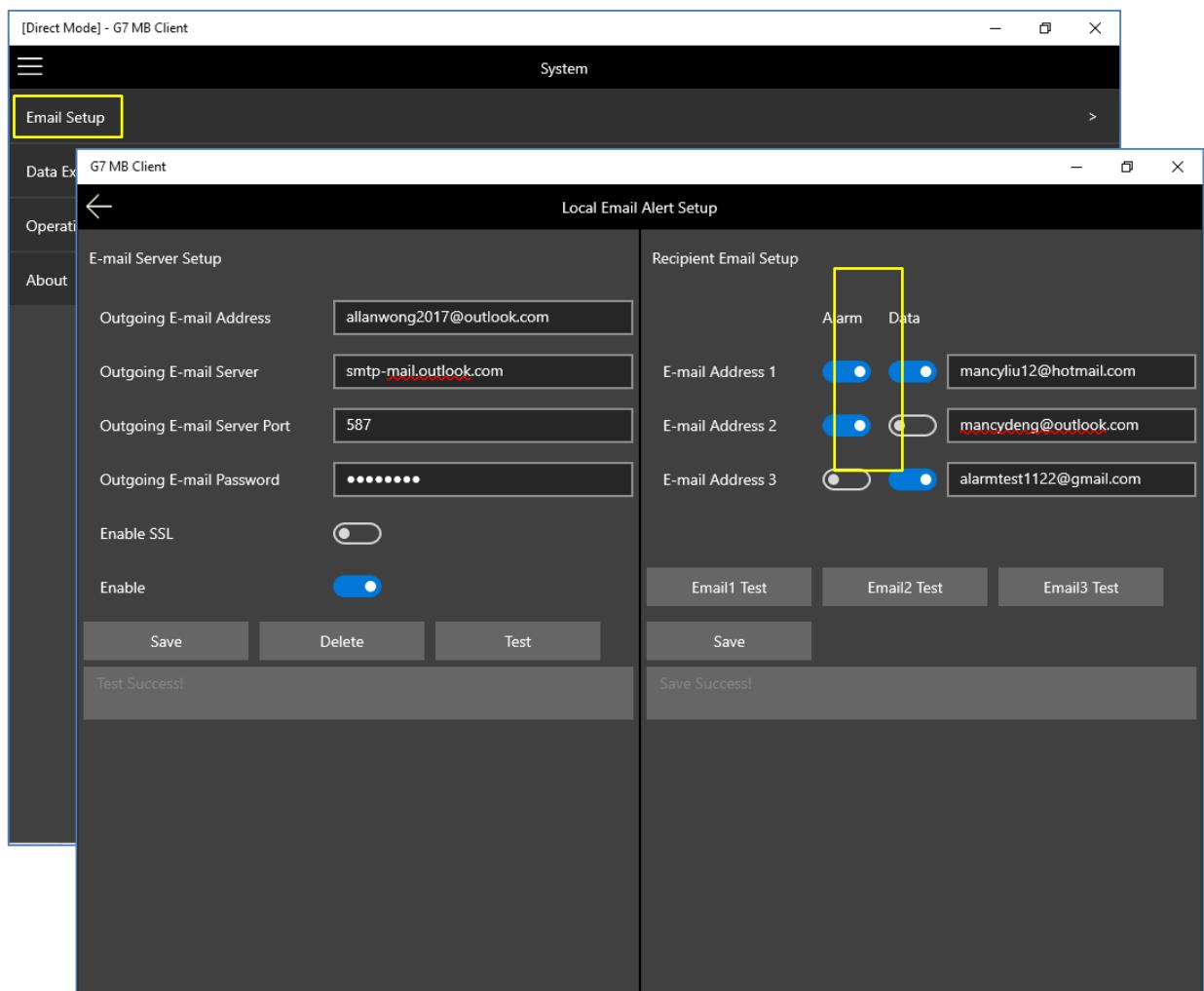
- Automatic Data Export will be sent to the email address with [Data] enabled.
  Please refer to section [Data Export].

- Alarm Email will be sent to the email address with [Alarm] enabled.
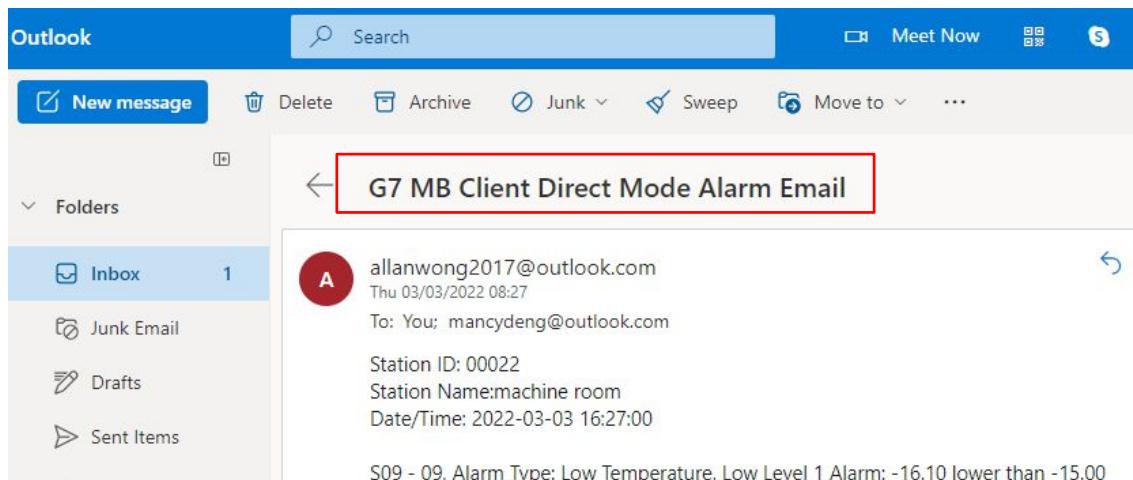
(C) Alert Interval

(1) Display and Email Alert will not be repeated within [Alert Interval] even when there is new alarm.

(2) When alarm level is triggered, alarm will be activated only after [Alarm Delay] time.

(3) Click [⚙] icon > Display Alert Interval, Email Alert Interval and Alarm Delay Time
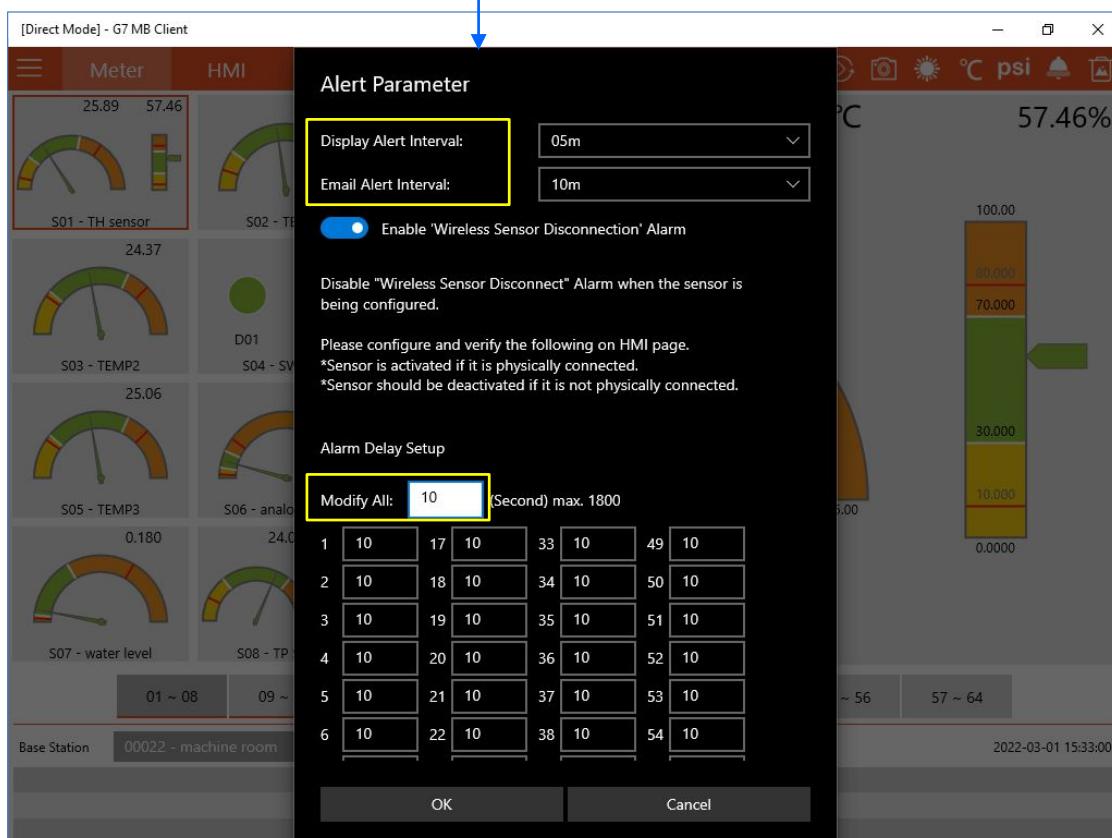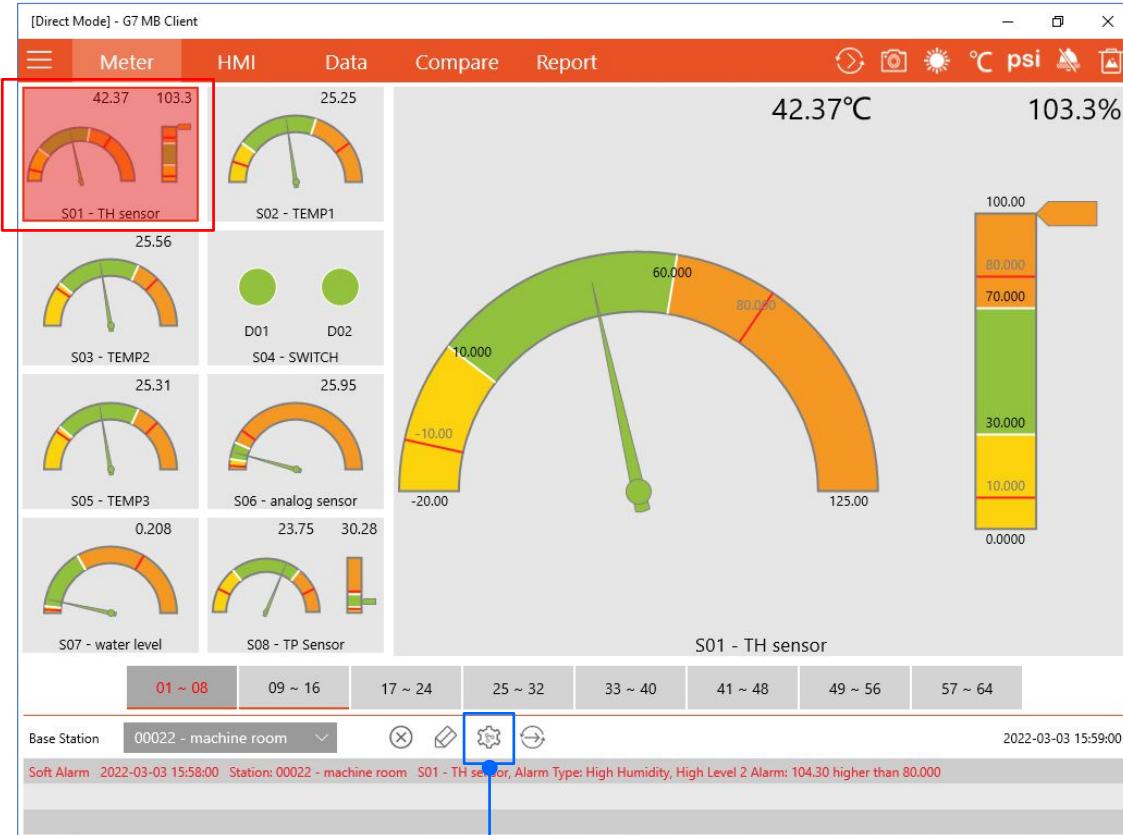
19. System Setting

Click [Menu]
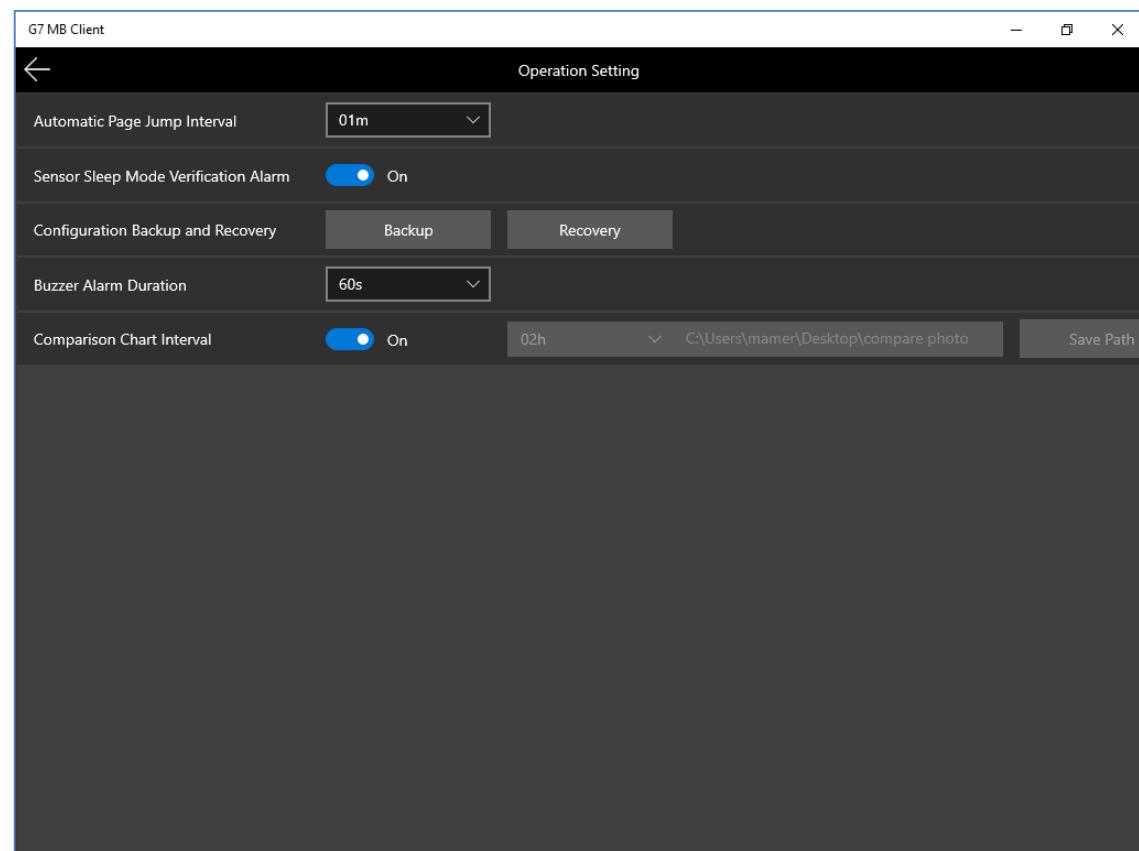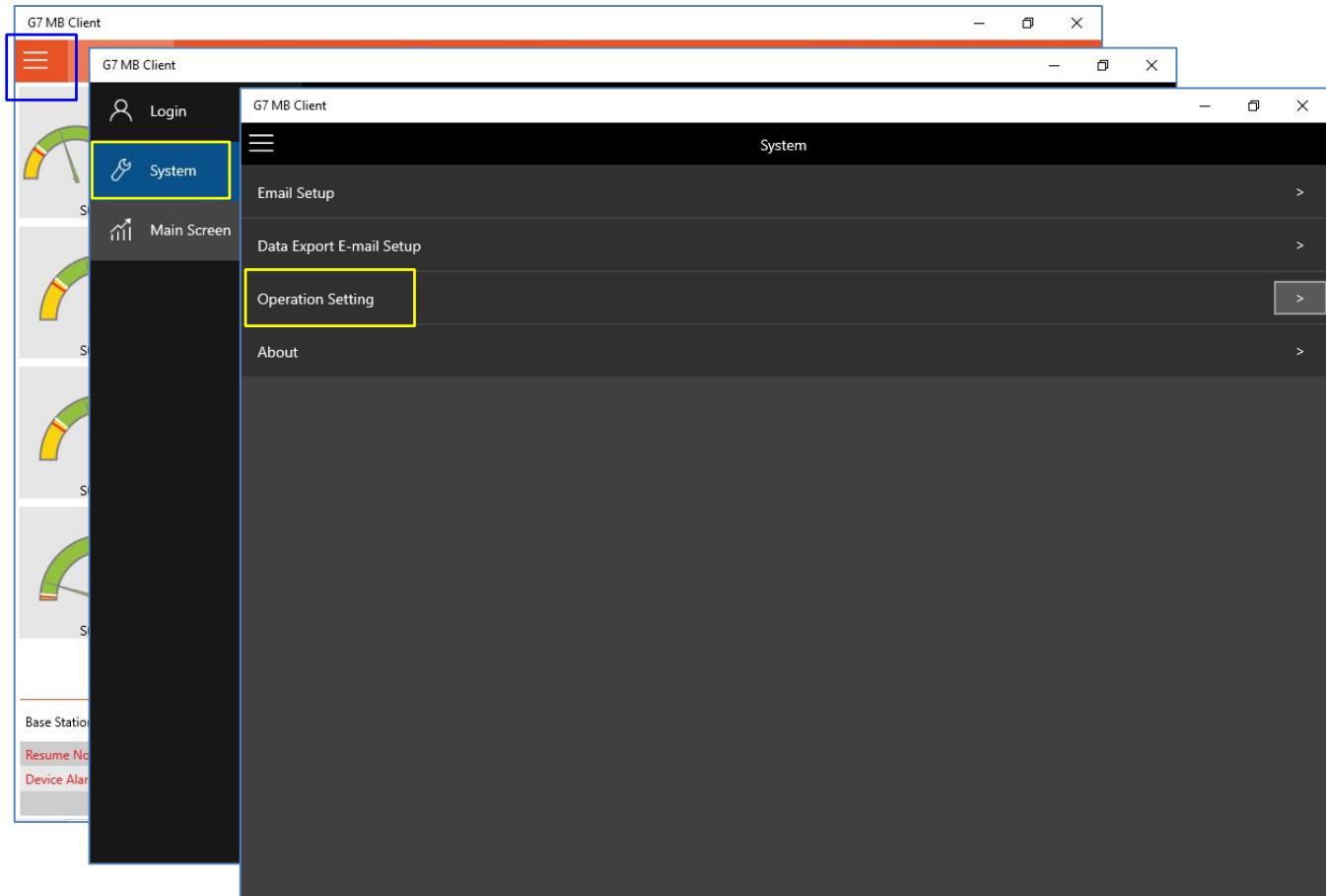
(1) Automatic Page Jump Interval

- When page jump is selected, display interval can be selected.

- Auto page jump of groups (pages) of current base station

- Auto page jump of all registered base stations

(2) Sensor Sleep Mode Verification Alarm

- It alerts user when the sensor is not in sleep mode.

- When USB adaptor is connected, sensor cannot resume sleep mode.

- Battery saving is possible only in sleep mode.

(3) System File Folders

- \AutoExportFile   Auto Data Export

- \BackupFile   Manual Data Export

- \HistoryFile   History Data Export in Report Mode

- \G7ClientBackupFile   Configuration File Backup

(4) Configuration Backup
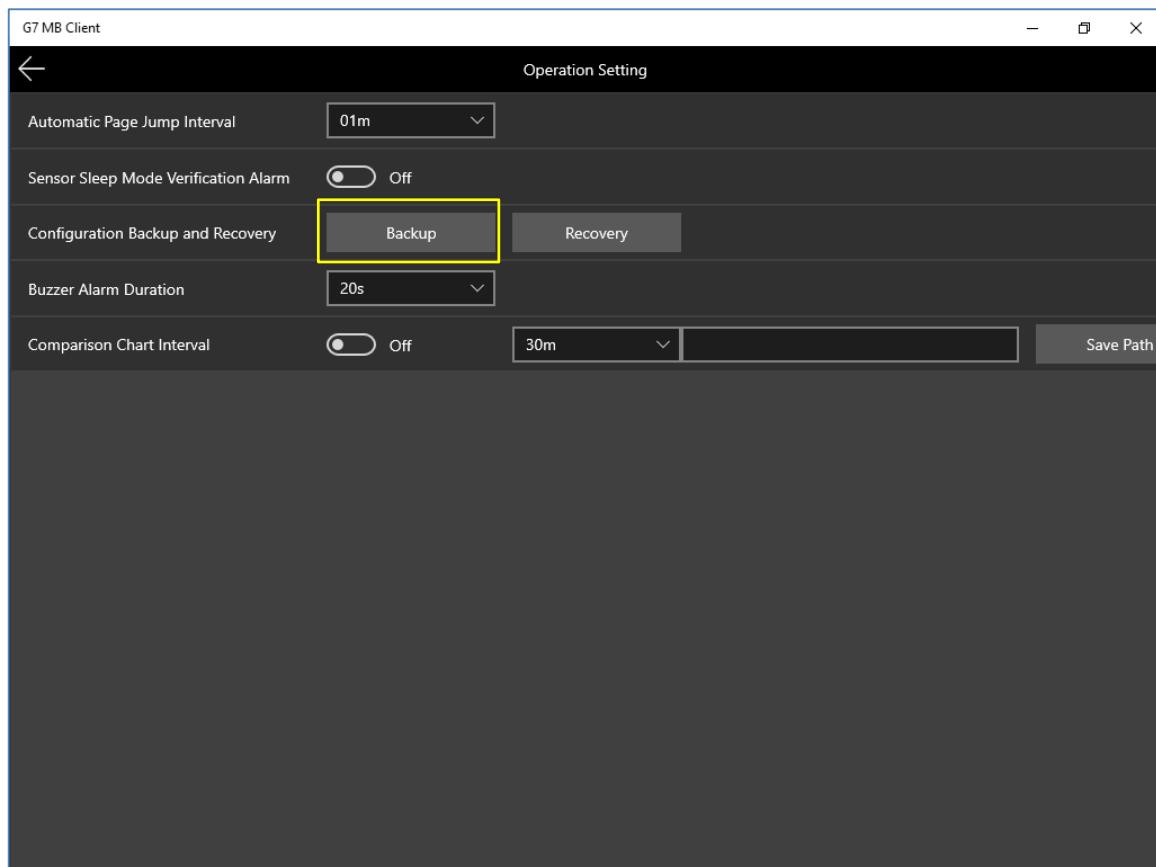
(5) Configuration Recovery after Login
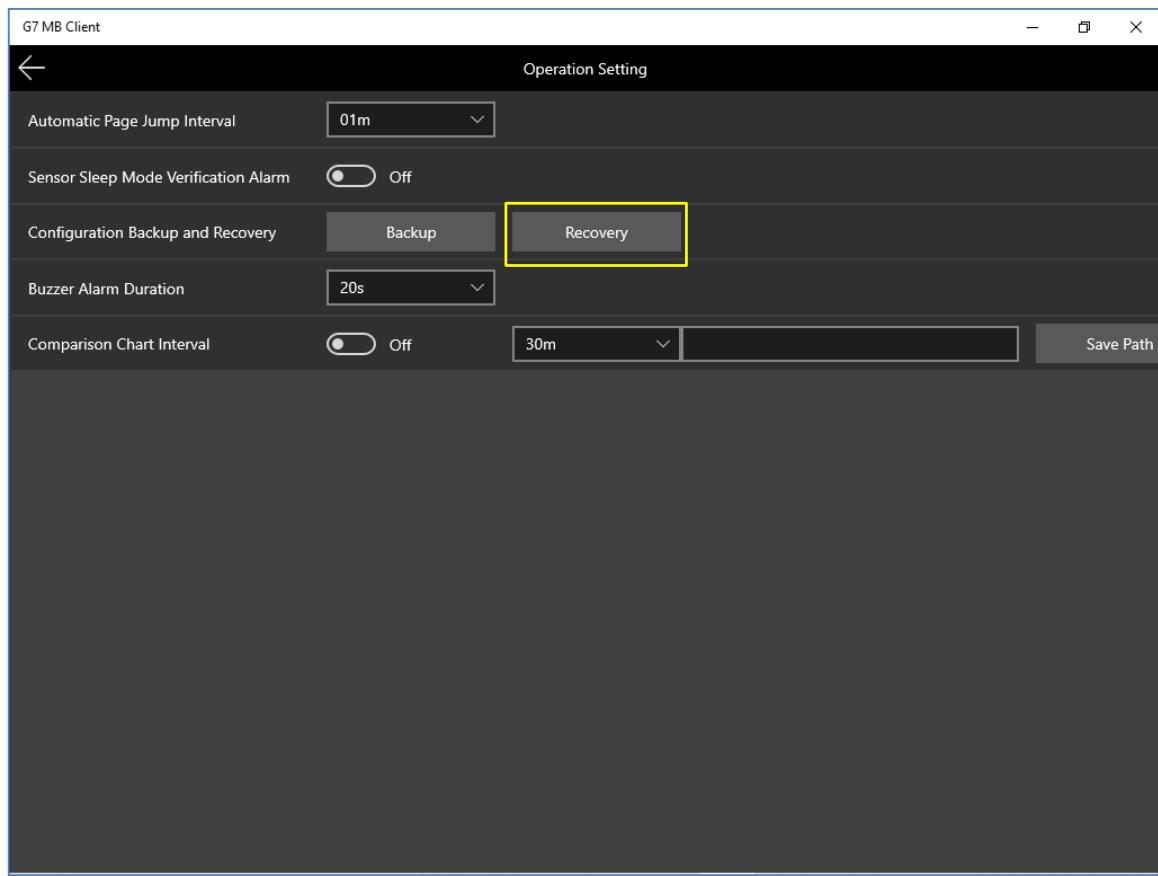
(6) Configuration Recovery before Login
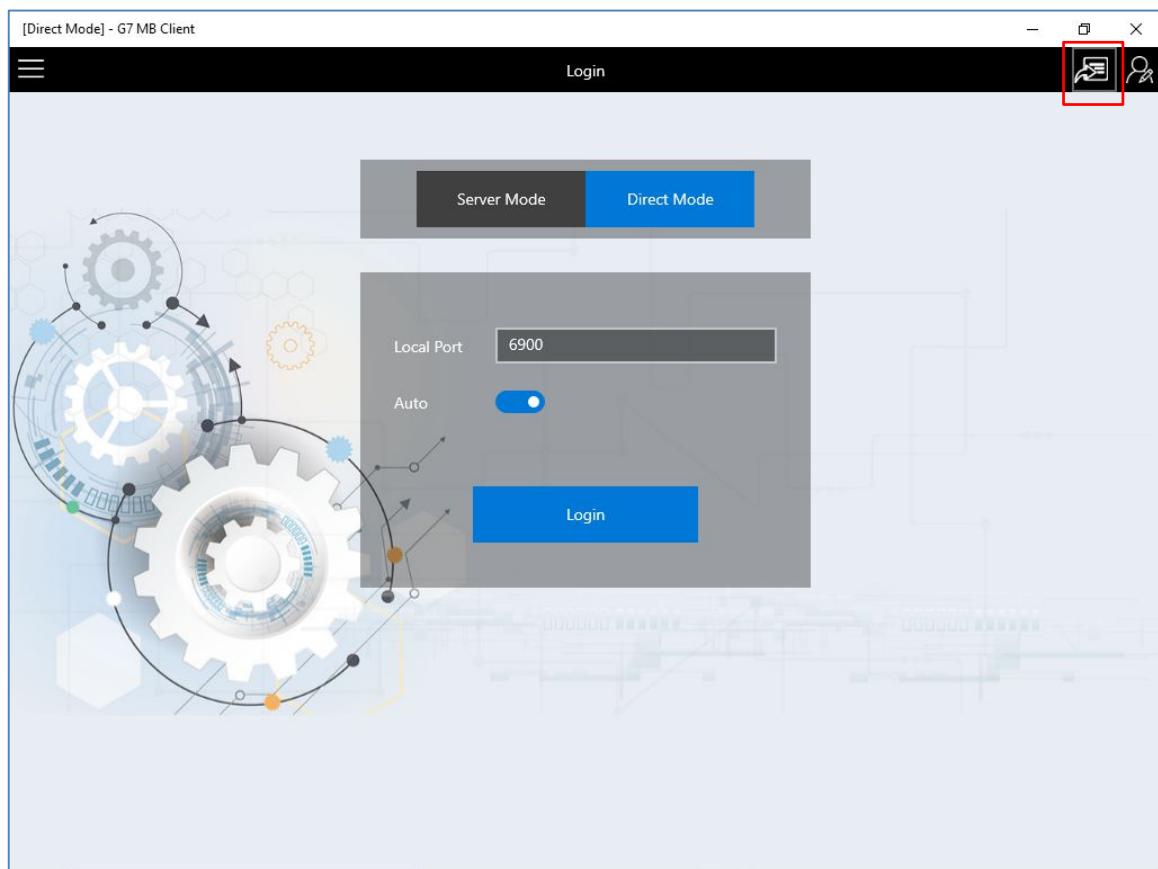
(7) Buzzer Alarm Duration

- Buzzer audio alarm will be turned off after the duration even when alarm is still triggered.

(8) Comparison Chart Interval

- Compare Chart should be configured properly.

- Chart Screen will be captured in interval automatically for record.

- Capture interval and storage folder location must be selected and saved.

- It works only when [Compare] mode is active.

(9) Check the Product Key and License Key
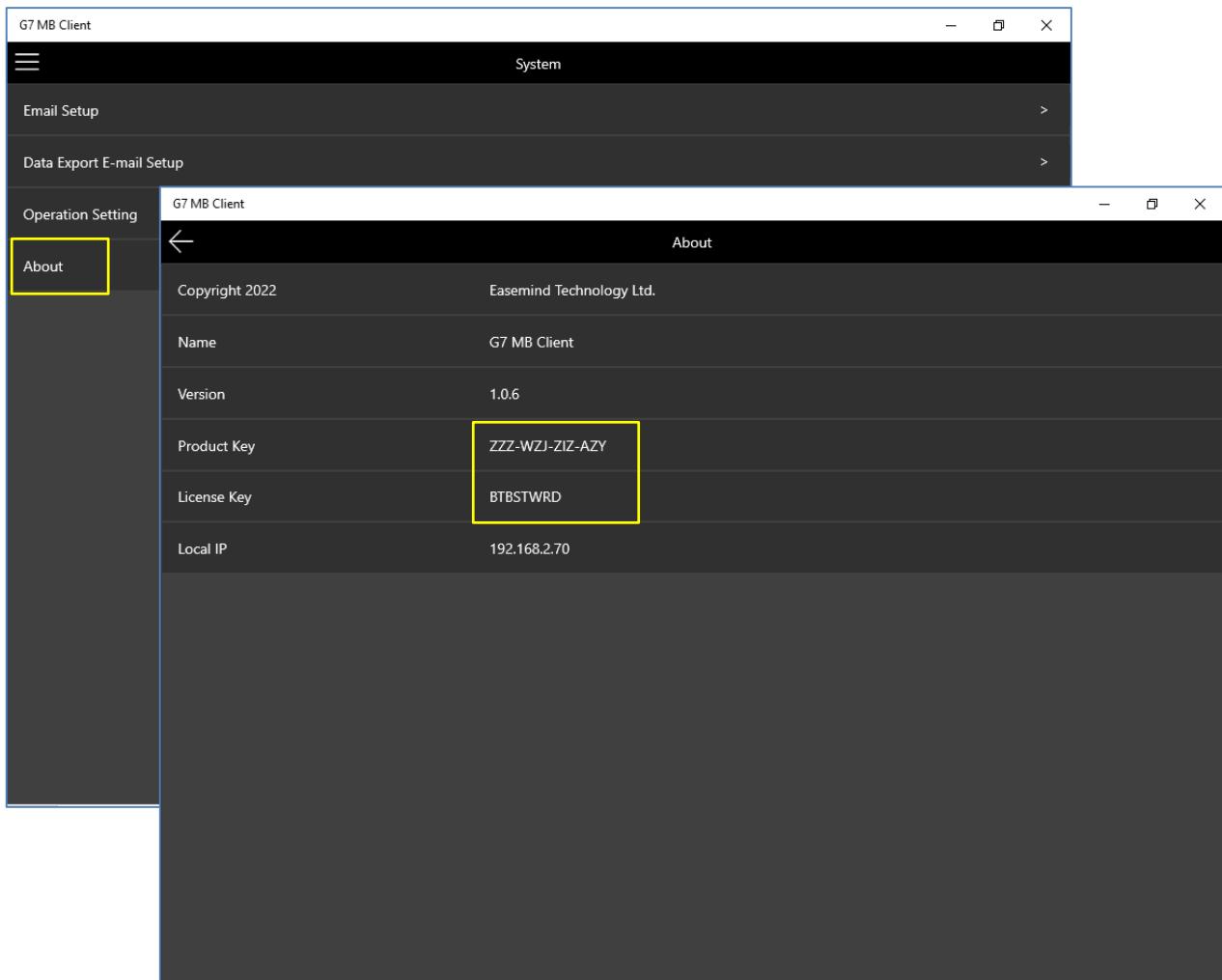
20. G7 Viewer

- G7 Viewer is designed for normal user or operator in daily monitoring. It does not provide setup but view only.

- G7 MB Client creates Configuration Backup File.

- G7 Viewer makes use of configuration setting by recovering the configuration backup file. Configuration setup or change is not allowed in G7 Viewer, except "Data Export Save Path".

- Make sure that G7 Viewer [Direct Mode] computer has the IP same as server IP configured in G7-BS.

(1) Search "G7 Viewer" in keywords, and click [Get] to install
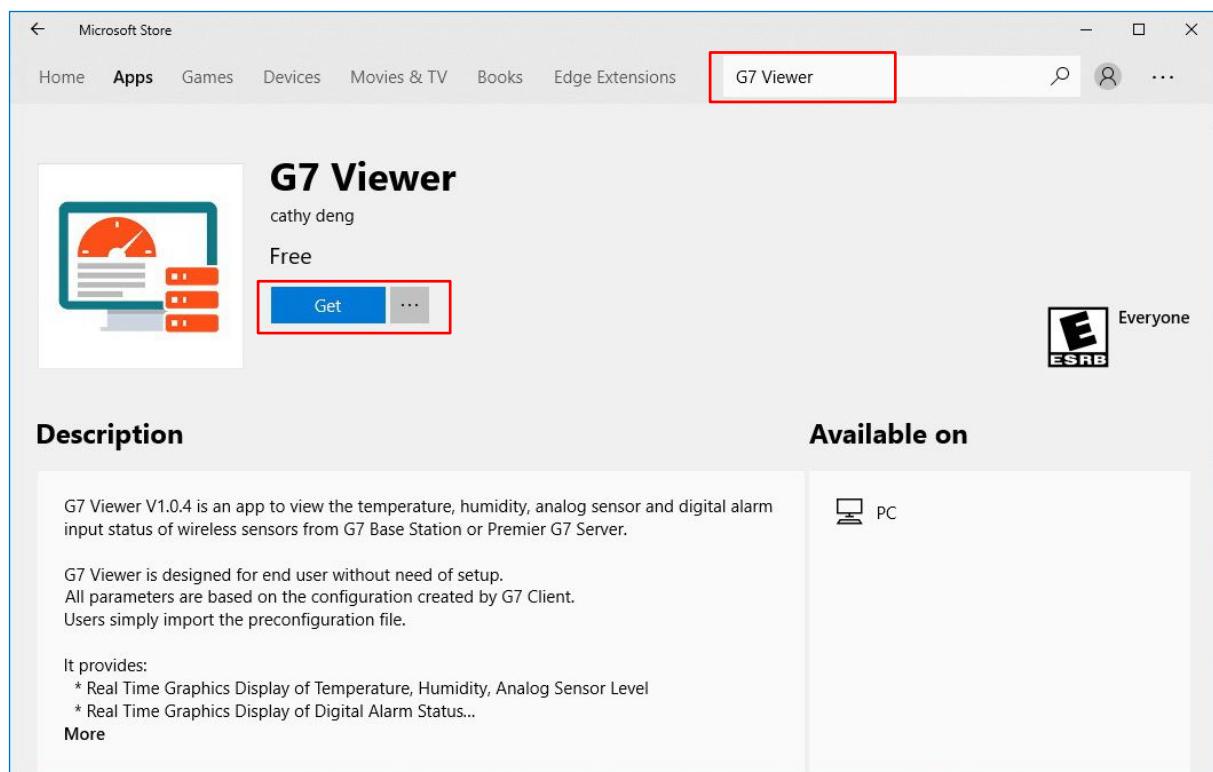
(2) Open [G7 Viewer], and Click [Recovery] icon
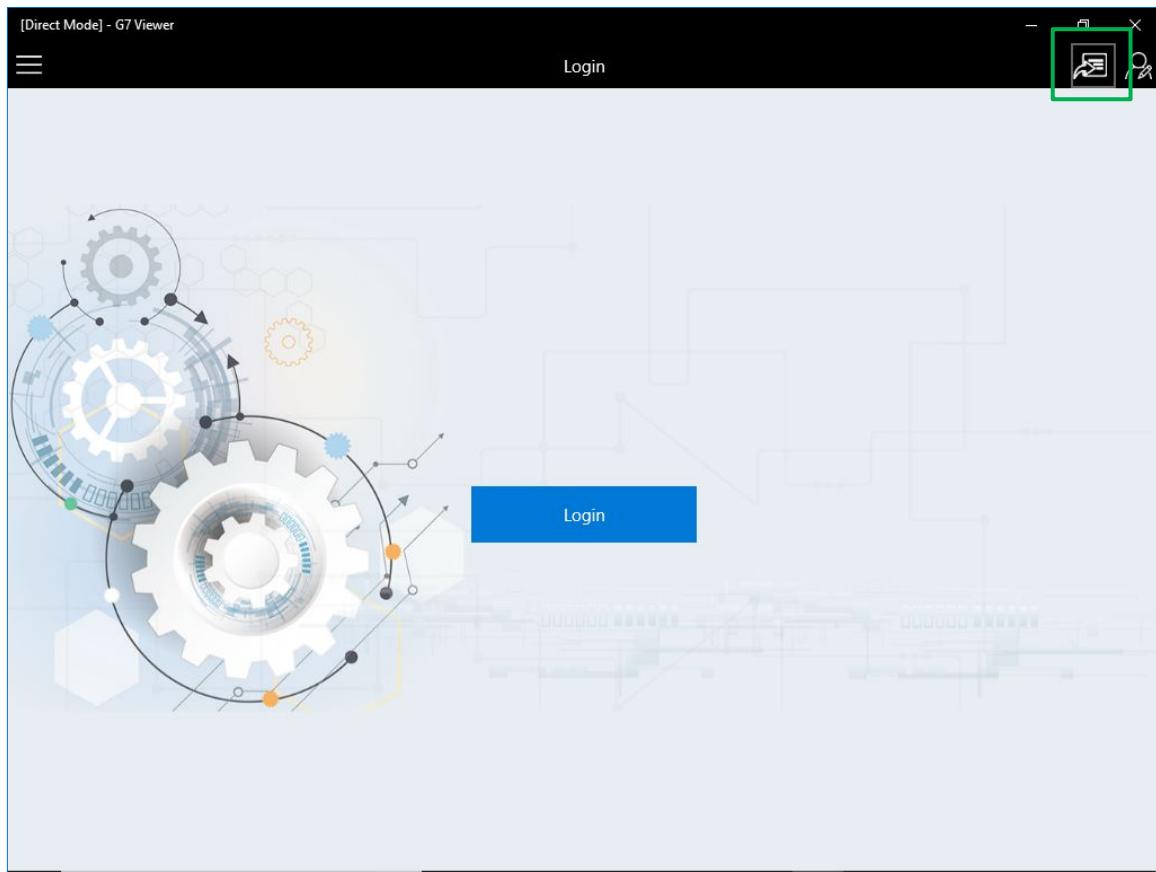
(3) Select the G7 MB Client Backup File folder
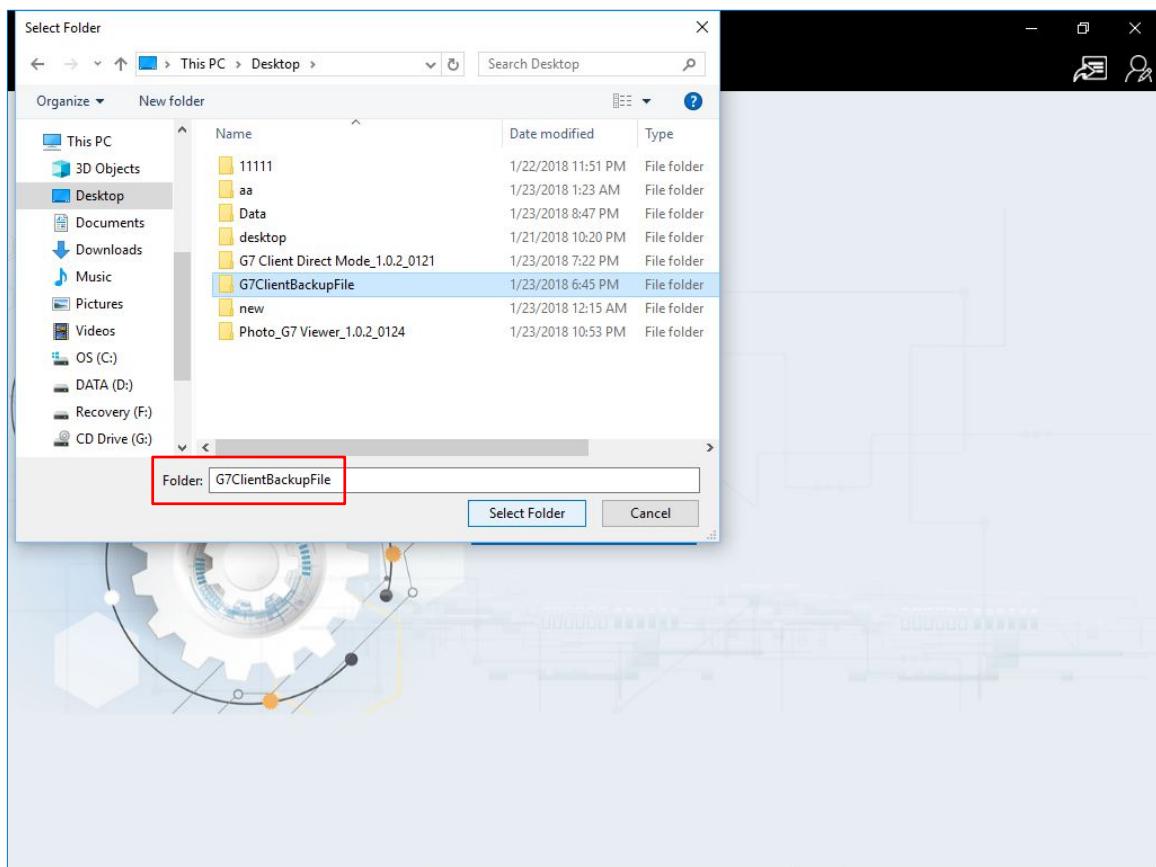
(4) After "Recovery Success", G7 Viewer must be restarted.
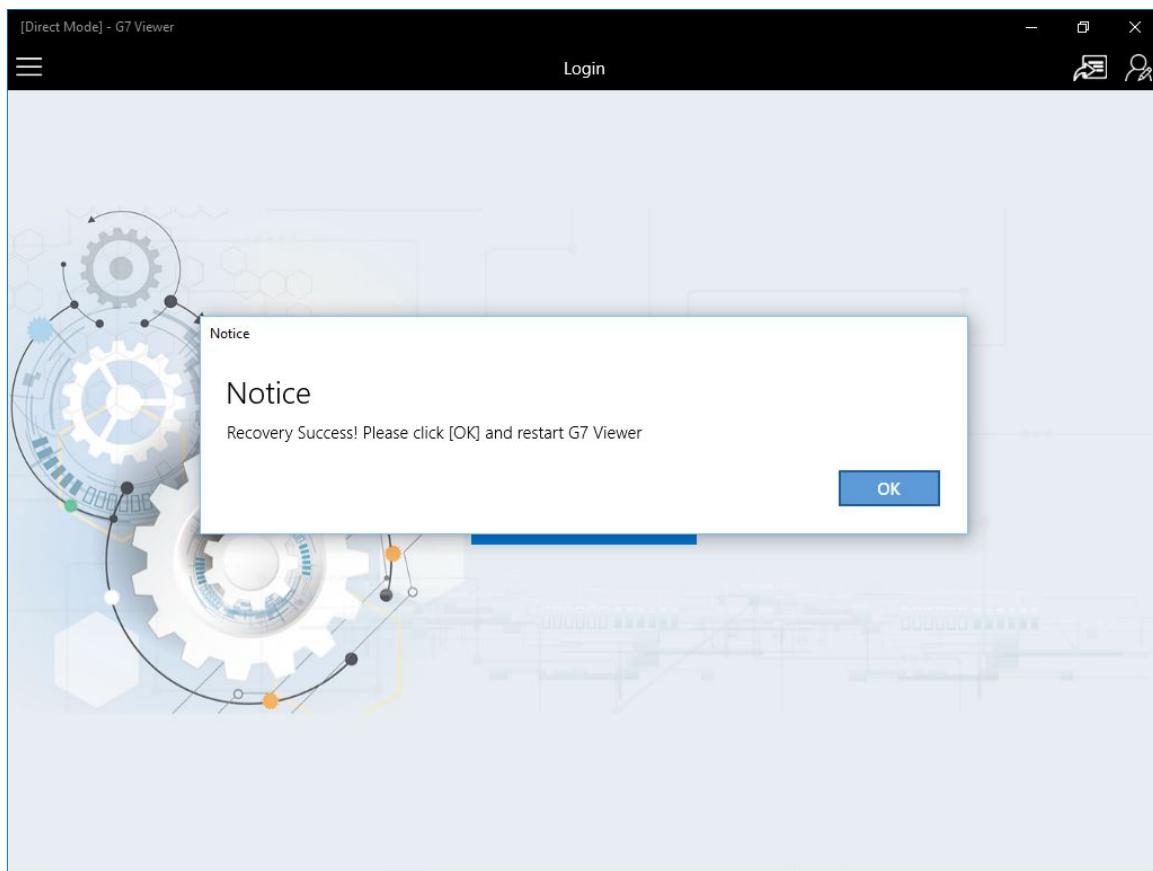
(5) Restart "G7 Viewer"
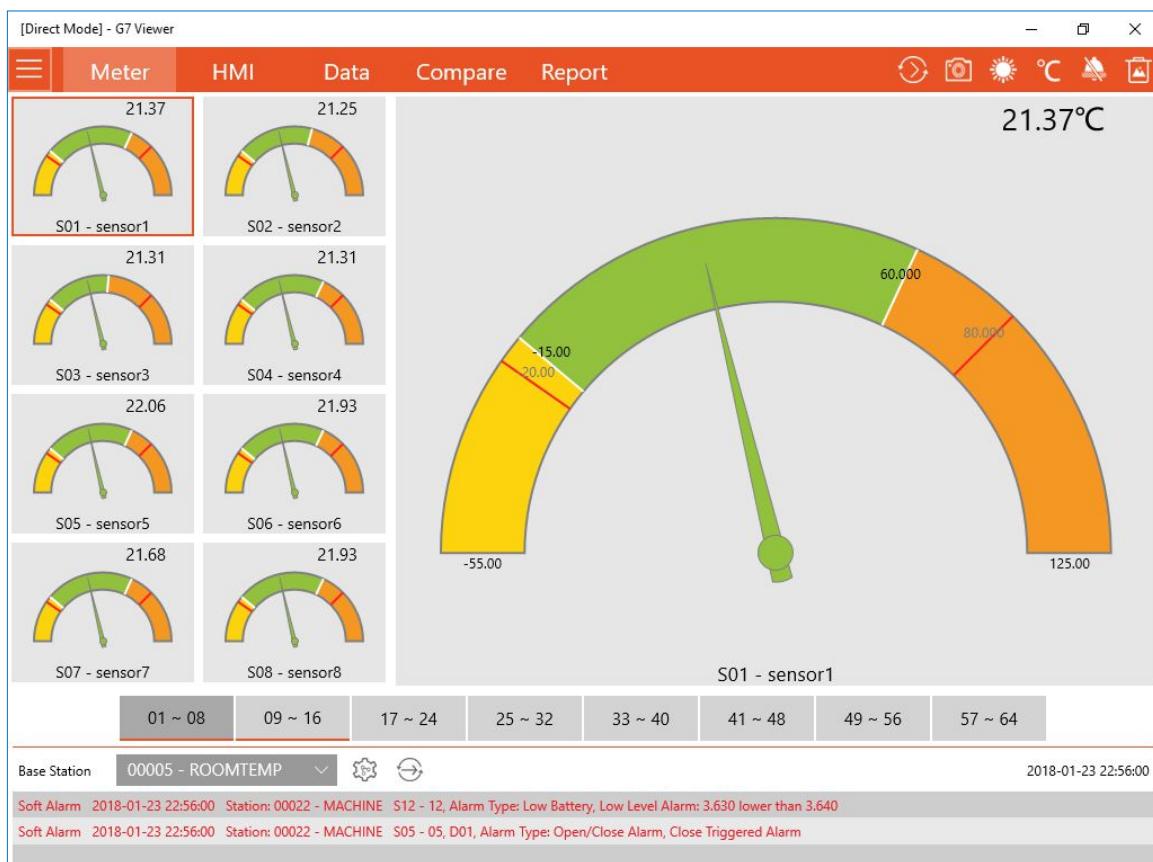
21. G7 Client for Android Phone

Search keyword "G7 Client" in Play Store.

    (1) Refer the Server IP and Port of Base Station Setup
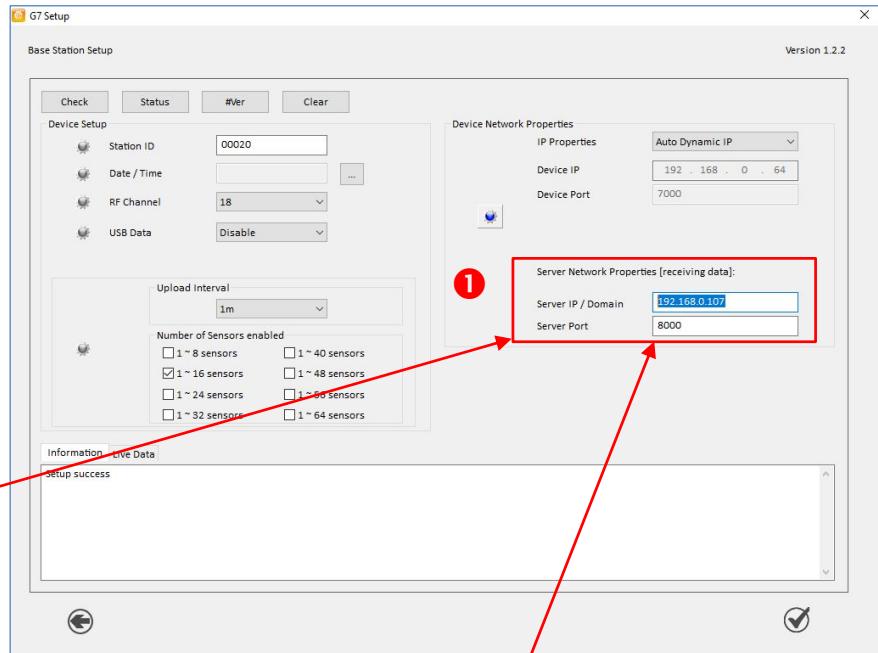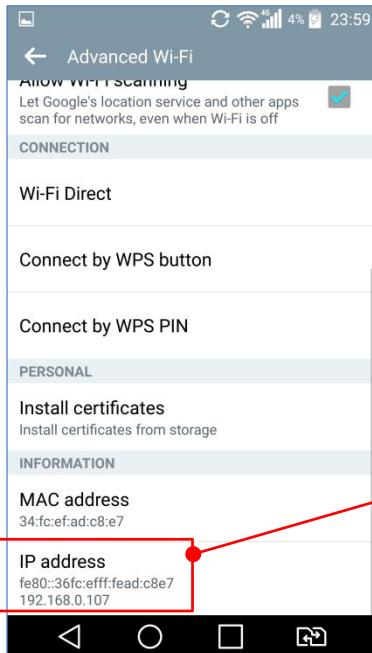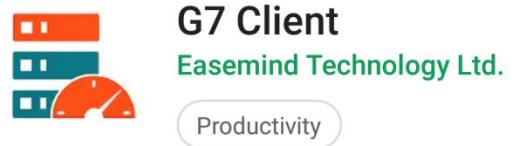
    (2) Run G7 Client, Click [Login Setup], Select [Direct Mode]

    (3) Enter the Port and Product Key
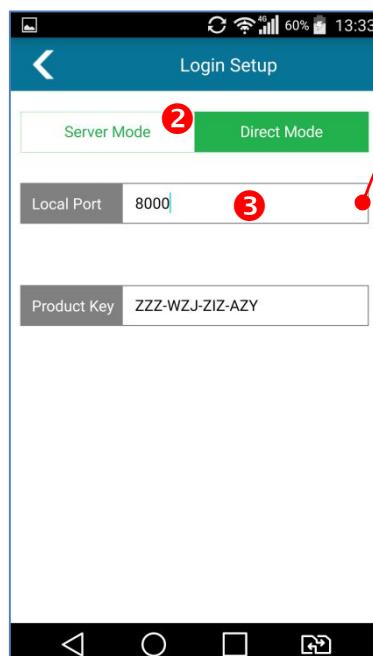
    (4) Click [Login]

Click [Login] to connect base stations

- Base Stations will be added to the list once connection is made successfully.
- User can modify station name and UTC of each base station.
- It is recommended to activate/deactivate sensors in order to avoid too many display pages.
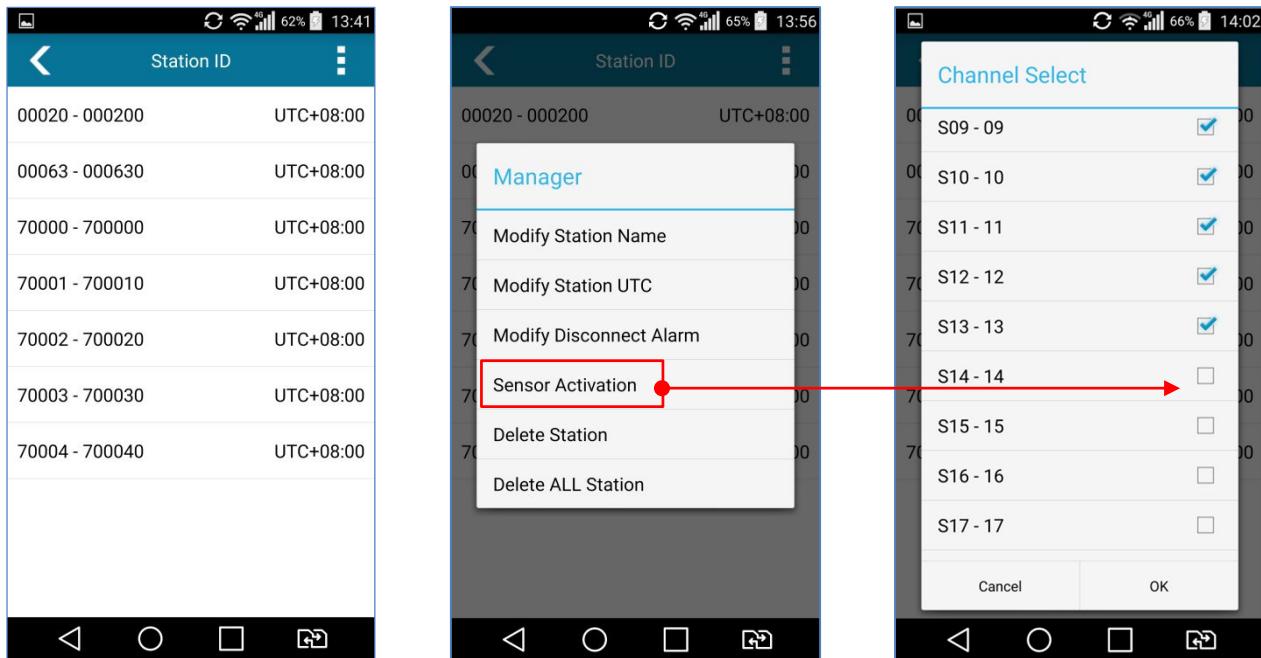
- When base stations are located in different time zone, UTC must be setup correctly in order to display the data in correct local time at Client Phone.
- Disable [Modify Disconnect Alarm] when sensors are manually disconnected for maintenance
- Click [Setup] to setup the temperature unit, alarm sound and sensor sleep mode alarm.

Highlight Sensor:
Chart Display below

[Data]

Swap Up/Down:
Display or Hide the Chart

Tap & Hold to modify
Sensor Name

Select Live Data Tracking for one day or one week

Green: Normal
Red: High Alarm
Yellow: Low Alarm

Swap Right/Left:
Display Channel [A & H] or B

Drag Right/Left:
Switch to next channel group
(S01-S08, S09-S16, S17-S21 …)

Go to [Chart Select]

[Data]

[Chart Select]

Drag Right/Left:
Switch to next channel

Tap on alarm:
Instant jump to live view of alarm channel

[Meter]   [Alarm]

[Meter screen 1 — S02]

Station: 00063 - greenhouse
Channel: 02
Last Time: 2018-07-27 14:05:00
S02

H: 60.000
L: -15.00
23.42℃

-55.00   125.00
H: 60.000
L: 15.000
59.84%

0.0000   100.00

2018-07-27 14:05:00   00063 - S03
Temp Low Alarm 1, -15.90 Lower than -15.00
2018-07-27 14:04:00   00063 - S02
Humidity High Alarm 1, 60.220 Higher than 60.000
2018-07-27 14:03:00   00063 - S03
Temp Low Alarm 2, -22.50 Lower than -20.00

[Meter screen 2 — S01]

Station: 00020 - machineroom
Channel: 01
Last Time: 2018-07-27 14:04:00
S01

H: 80000.
L: -7000.
23.07

-9999.   99999.

2018-07-27 14:04:00   00063 - S02
Humidity High Alarm 1, 60.220 Higher than 60.000
2018-07-27 14:03:00   00063 - S03
Temp Low Alarm 2, -22.50 Lower than -20.00
2018-07-27 14:01:00   00063 - S03
Temp Low Alarm 2, -23.60 Lower than -20.00

[Meter screen 3 — S03]

Station: 00063 - greenhouse
Channel: 03
Last Time: 2018-07-27 14:05:00
S03

H: 60.000
L: -15.00
-15.9℃

-55.00   125.00

2018-07-27 14:05:00   00063 - S03
Temp Low Alarm 1, -15.90 Lower than -15.00
2018-07-27 14:04:00   00063 - S02
Humidity High Alarm 1, 60.220 Higher than 60.000
2018-07-27 14:03:00   00063 - S03
Temp Low Alarm 2, -22.50 Lower than -20.00

Tap & Hold on Meter
Setup Alarm Level & Display Range

Drag Up for Full Alarm List
Alert Interval: 1 min default

[Digital Alarm Input]

[Range Setting]   [Full Alarm List]

[Range Setting screen]

High/Low Alarm Setup

Temperature:
AD01 Max Value   125.00
AD01 Min Value   -55.00
AD01 Higher Alarm Value   80.000
AD01 High Alarm Value   60.000
AD01 Low Alarm Value   -15.00
AD01 Lower Alarm Value   -20.00

Humidity:
AD02 Max Value   100.00
AD02 Min Value   0.0000
AD02 Higher Alarm Value   80.000
AD02 High Alarm Value   60.000
                            15.000

Cancel   OK

[Full Alarm List screen]

Alarm List

2018-07-30 11:01:00   00063 - S06
D02, Close Triggered Alarm

2018-07-30 11:01:00   00063 - S04
Temp High Alarm 1, 60.560 Higher than 60.000

2018-07-30 11:01:00   00063 - S03
Temp Low Alarm 1, -21.80 Lower than -20.00

2018-07-30 10:59:40   00020 - S03
Resume Normal Data A03:26.40 H03:80.42
B03:3.640

2018-07-30 10:59:00   00020 - S06
Temp Low Alarm 1, 2.0600 Lower than 15.000

2018-07-30 10:59:00   00020 - S05
D01, Close Triggered Alarm

2018-07-30 10:59:00   00020 - S03
Humidity High Alarm 2, 100.30 Higher than 90.000

2018-07-30 10:59:00   00020 - S01
High Alarm 2, 51.300 Higher than 45.000

[Digital Alarm Input screen]

Station: 00020 - machineroom
Channel: switch
Last Time: 2018-07-30 10:50:00
S05

D01   D02

2018-07-30 10:50:00   00020 - S05
D01, Close Triggered Alarm
2018-07-30 10:49:55   00020 - S05
Device Alarm A05:00001 H05:00000 B05:3.670
2018-07-30 10:41:09   00063 - S04
Resume Normal Data A04:11.31 H04:0.000 B04:3.690

Tap & Hold on Meter
Setup Digital Alarm

Close Triggered Alarm Setup

D01 Enable Alarm   ✔
D02 Enable Alarm   ✔

Cancel   OK

[Live]   Base Station selected on last page (e.g. Meter) will be displayed on [Live] page.

Drag Right/Left:
Switch to next channel

Tap to display data and time

- Live Data will be saved into local storage of mobile phone (max. 180 days)
- Report retrieves data from phone local storage
- Inquiry of maximum 10000 records

Select Time Range

[Report]

Drag Right/Left:
Switch to next channel

22. G7 Client for iPhone

Search keyword "G7 Client" in App Store.

    (1) Refer the Server IP and Port of Base Station Setup

    (2) Run G7 Client, Select [Direct Mode]

    (3) Enter the Port and Product Key

    (4) Click [Login]

Tap & Hold to Device Manager
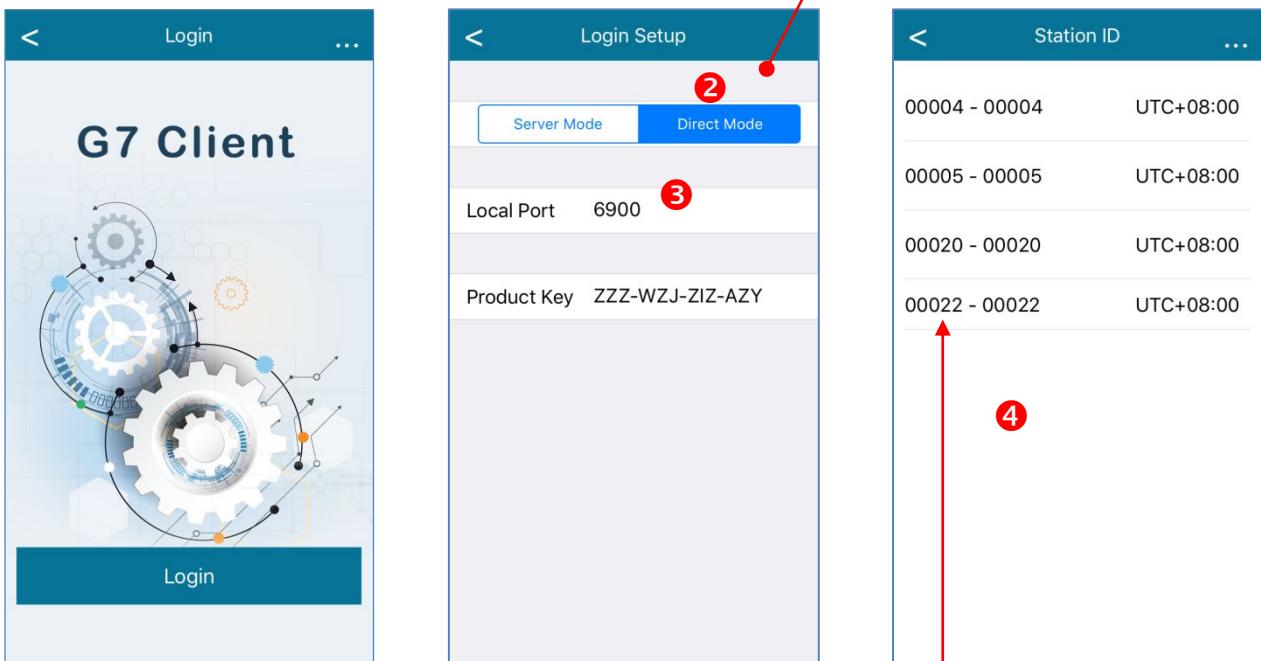
- Base Station ID of incoming data will be added automatically (max. 20 base stations)

- User can modify station name and UTC of each base station.

- It is recommended to activate/deactivate sensors in order to avoid too many display pages.
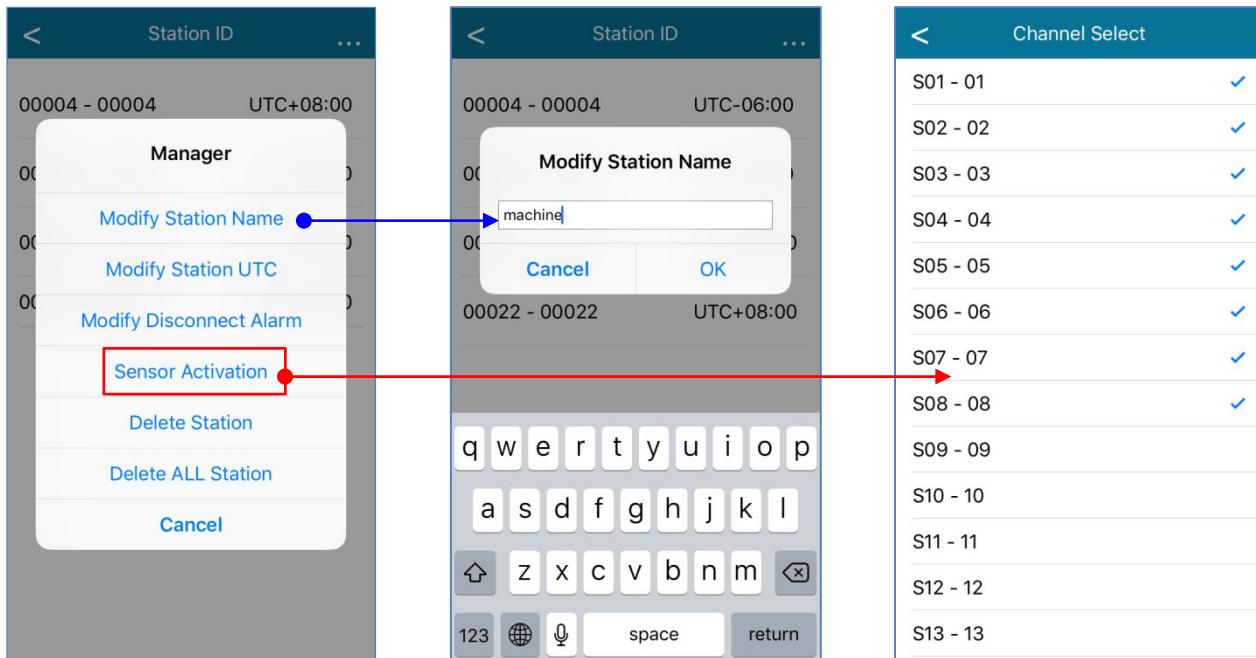

- When base stations are located in different time zone, UTC must be setup correctly in order to display the data in correct local time at Client iPhone.

- Cancel [Modify Disconnect Alarm] when sensors are manually disconnected for maintenance.

- Click [Setup] to setup the temperature unit, alarm sound and sensor sleep mode alarm.
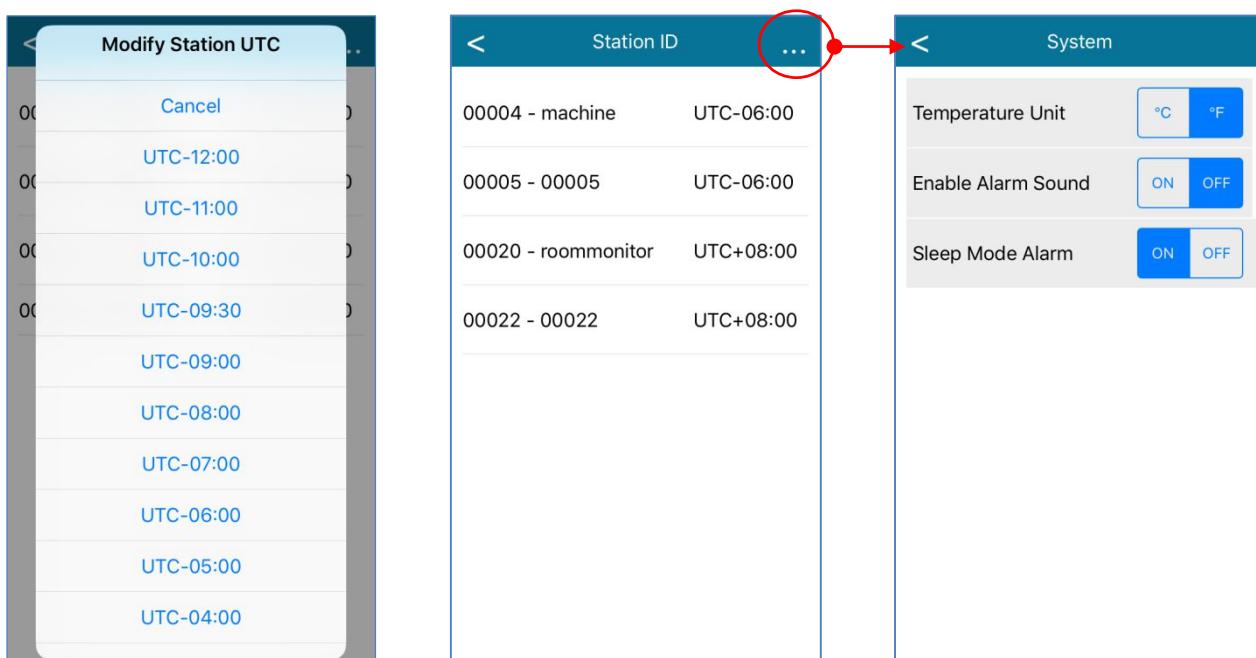
Swap Up/Down:
Display or Hide the Chart

Tap & Hold to modify
Channel Name

[Data]

Green: Normal
Red: High Alarm
Yellow: Low Alarm

Select Live Data Tracking for one day or one week

Swap Right/Left:
Display Channel [A & H] or B

Drag Right/Left:
Switch to next channel group
(S01-S08, S09-S16, S17-S21 …)

Go to [Chart Select]

[Data]

[Chart Select]

Drag Right/Left:
Switch to next channel

Tap on alarm:
Instant jump to live view of alarm channel

[Meter]   [Alarm]

	Meter
Station:	00004 - machine
Channel:	humidity **S01**
Last Time:	2018-05-05 08:55:00

H: 30.000
L: 10.000   25.89°C

-20.00   40.000

H: 80.00
L: 40.00   60.39%

0.0000   100.00

2018-05-04 18:55:49	00004 - S01

Device Alarm A01:30.01 H01:118.9
B01:00110110

2018-05-04 18:55:48	00004 - S01

Device Alarm A01:30.01 H01:118.9
B01:00110110

	Meter
Station:	00004 - machine
Channel:	temp2 **S02**
Last Time:	2018-05-05 09:04:00

H: 35.000
L: 10.000   55.87°C

-20.00   40.000

2018-05-05 09:04:00	00004 - S07

Temp Low Alarm 2, -20.10 Lower than -20.0

2018-05-05 09:04:00	00004 - S02

Temp High Alarm 2, 55.870 Higher
than 38.00

	Meter
Station:	00004 - machine
Channel:	cold storage **S07**
Last Time:	2018-05-05 09:24:00

H: 60.000
L: -15.00   -20.8°C

-55.00   125.00

2018-05-05 09:24:00	00004 - S07

Temp Low Alarm 2, -20.80 Lower than -20.0

2018-05-05 09:25:00	00020 - S05

sensor not configured yet or disconnected

Tap & Hold on Meter
Setup Alarm Level & Display Range

Drag Up for Full Alarm List
Alert Interval: 1 min default

[Digital Alarm Input]

[Range Setting]

[Full Alarm List]

	High/Low Alarm Setup

Temperature:

AD01 Max Value	125.00
AD01 Min Value	-55.00
AD01 Higher Alarm Value	80.000
AD01 High Alarm Value	60.000
AD01 Low Alarm Value	-15.00
AD01 Lower Alarm Value	-20.00

Humidity:

AD02 Max Value	100.00
AD02 Min Value	0.0000
AD02 Higher Alarm Value	80.000
AD02 High Alarm Value	60.000
AD02 Low Alarm Value	15.000

	Alarm List

2018-05-05 09:07:00	00004 - S07

Temp Low Alarm 2, -20.10 Lower than -20.0

2018-05-05 09:07:00	00004 - S02

Temp High Alarm 1, 35.620 Higher
than 35.00

2018-05-04 19:06:58	00004 - S01

Resume Normal Data A01:27.27 H01:74.07
B01:03000100

2018-05-05 09:06:00	00004 - S07

Temp Low Alarm 2, -20.10 Lower than -20.0

2018-05-05 09:06:00	00004 - S02

Temp High Alarm 2, 41.560 Higher
than 38.00

2018-05-05 09:06:00	00004 - S01

Humidity High Alarm 2, 92.620 Higher
than 90.00

2018-05-05 09:05:00	00004 - S07
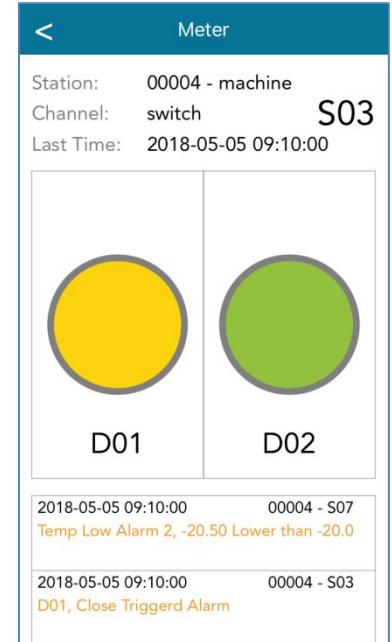
	Meter
Station:	00004 - machine
Channel:	switch **S03**
Last Time:	2018-05-05 09:10:00

D01   D02

2018-05-05 09:10:00	00004 - S07

Temp Low Alarm 2, -20.50 Lower than -20.0

2018-05-05 09:10:00	00004 - S03

D01, Close Triggerd Alarm

Tap & Hold on Meter
Setup Digital Alarm

	Close Triggered Alarm Setup
D01 Enable Alarm:	⬤
D02 Enable Alarm:	⬤

[Live] Base Station selected on last page (e.g. Meter) will be displayed on [Live] page.

Live

Station: 00004 - machine
Channel: humidity
Last Time: 2018-05-05 09:54:00

S01

2018-05-05 09:52:00
61.37

Channel A | Channel H

Drag Right/Left:
Switch to next channel

Live

Station: 00004 - machine
Channel: humidity
Last Time: 2018-05-05 09:54:00

S01

2018-05-05 09:44:00
24.52

Tap to display data and time

- Live Data will be saved into local storage of mobile phone (max. 180 days)
- Report retrieves data from phone local storage
- Inquiry of maximum 10000 records

Report

Year	Month	Week	Day	Hour
2015	2016	2017		2018
02	03	04		05
02	03	04		05
07	08	09		10

21.505   09:00:00   09:59:59

Channel A | Channel H | Channel B

Select Time Range

[Report]

Report

Station: 00004 - machine
Channel: humidity
Period: 2018-05-05 09:00 ~ 09:59
Average Value: 71.276
Highest Value: 118.90
Lowest Value: 51.600

S01

2018-05-05 09:20:00
58.440

Channel A | Channel H | Channel B

Drag Right/Left:
Switch to next channel

Report

Station: 00004 - machine
Channel: humidity
Period: 2018-05-05 09:00 ~ 09:59
Average Value: 26.555
Highest Value: 30.010
Lowest Value: 23.000

S01

2018-05-05 09:10:00
27.270

23. G7 Client for iPad

G7 Client for iPad
Easemind Technology Ltd.

☆☆☆☆☆   4+
Not Enough Ratings   Age

Search keyword "G7 Client" in App Store.

- Refer the Server IP and Port of base station setup
- Select [Direct Mode], enter "Port No." same as G7-BS Setup
- Click [Login]

1. Meter View

   After Login, connected base station ID will be automatically added.

   Login   - Logout and Exit
   System - System Setting
   Cancel - Resume Main Screen

   ▪ Double Tap on main meter
   ▪ Drag the alarm level lines to configure the alarm levels
   ▪ Change and save alarm setting

Select Sensor Group
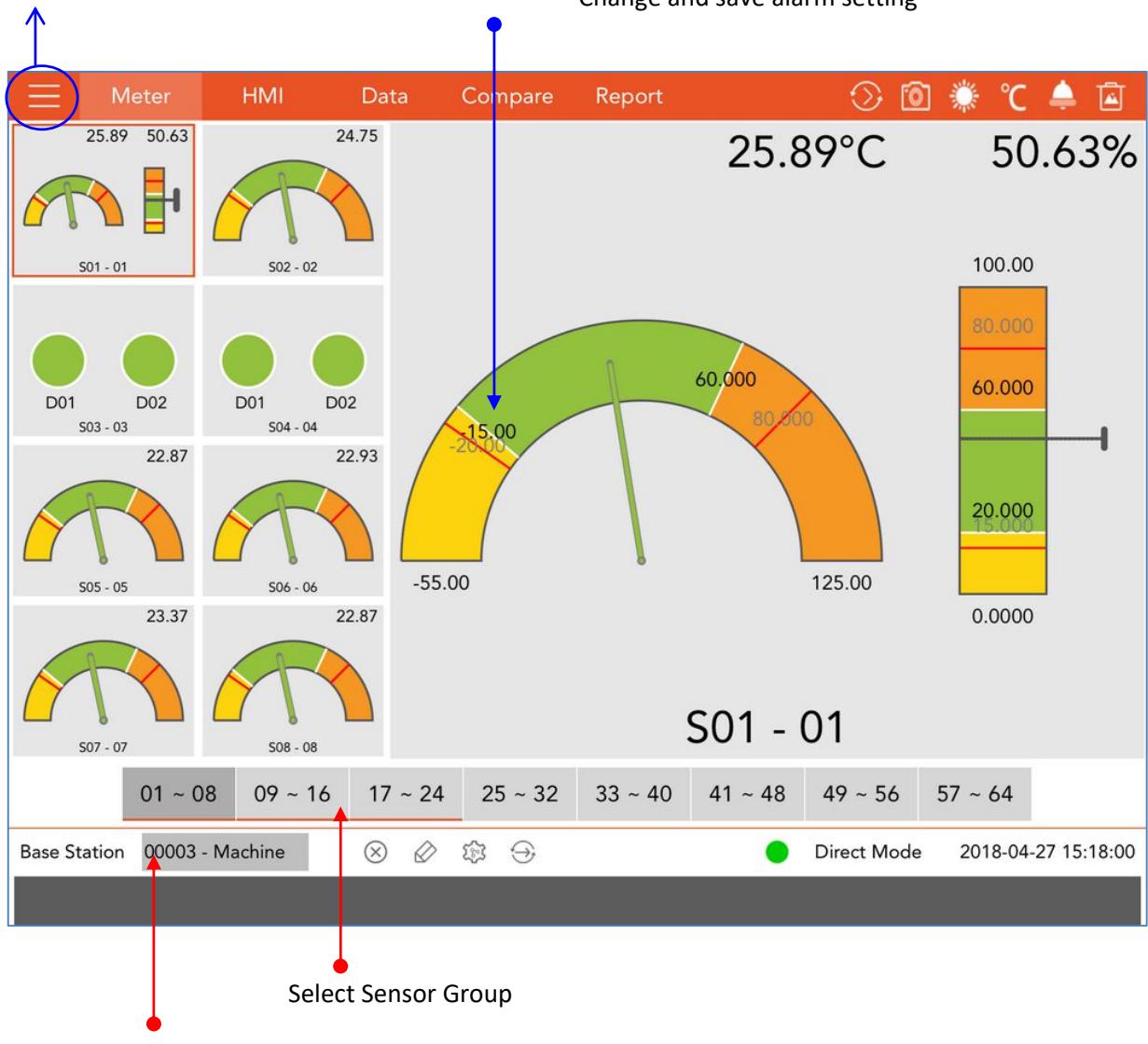
Select Base Station

1) Delete Station
2) Modify Station Name
3) Setup Alarm Alert Parameters
4) Start Automatic Page Jump of selected base station
   (only in meter, compare display modes)

   1   2   3   4

- Double Tap on main meter
- Drag the alarm level lines to configure the alarm levels
- Change and save alarm setting

ⓘ   Please refer the operation, setup and control for iPad to Windows 10 version.

2. HMI View

3. Data View

4. Compare View

5. Report View
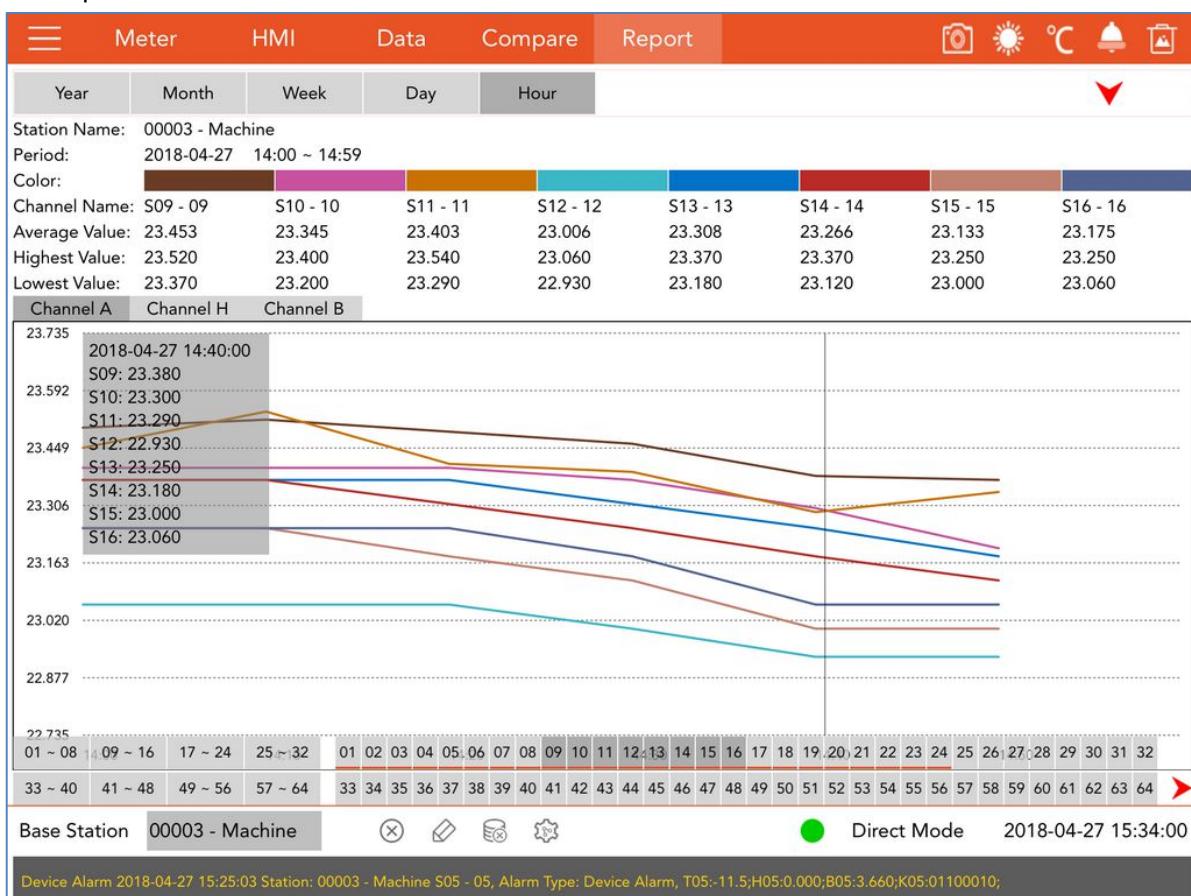
24. Safety and Regulatory Notice

All applicable regulatory compliance statements, product certification markings, and safety and electromagnetic compatibility (EMC) standards and regulations the Data Logger is compliant with.

European Union Declaration of Conformity

Statement

We, Easemind, declare under our sole responsibility that the product G7 & G8 are in conformity with all applicable essential requirements necessary for CE marking, following the provisions of the European Council Directives 2004/108/EC (EMC Directive) and 2006/95/EC (Low Voltage Directive).

$$C \in$$

The product is properly CE marked demonstrating this conformity and is for distribution within all member states of the EU with no restrictions.

This product follows the provisions of the European Directives 2004/108/EC and 2006/95/EC.

Customer Support Links

View or download product support information from website:

http://www.easemind.net

or email contact at: email@easemind.net

25. Manufacturer's Disclaimer Statement

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