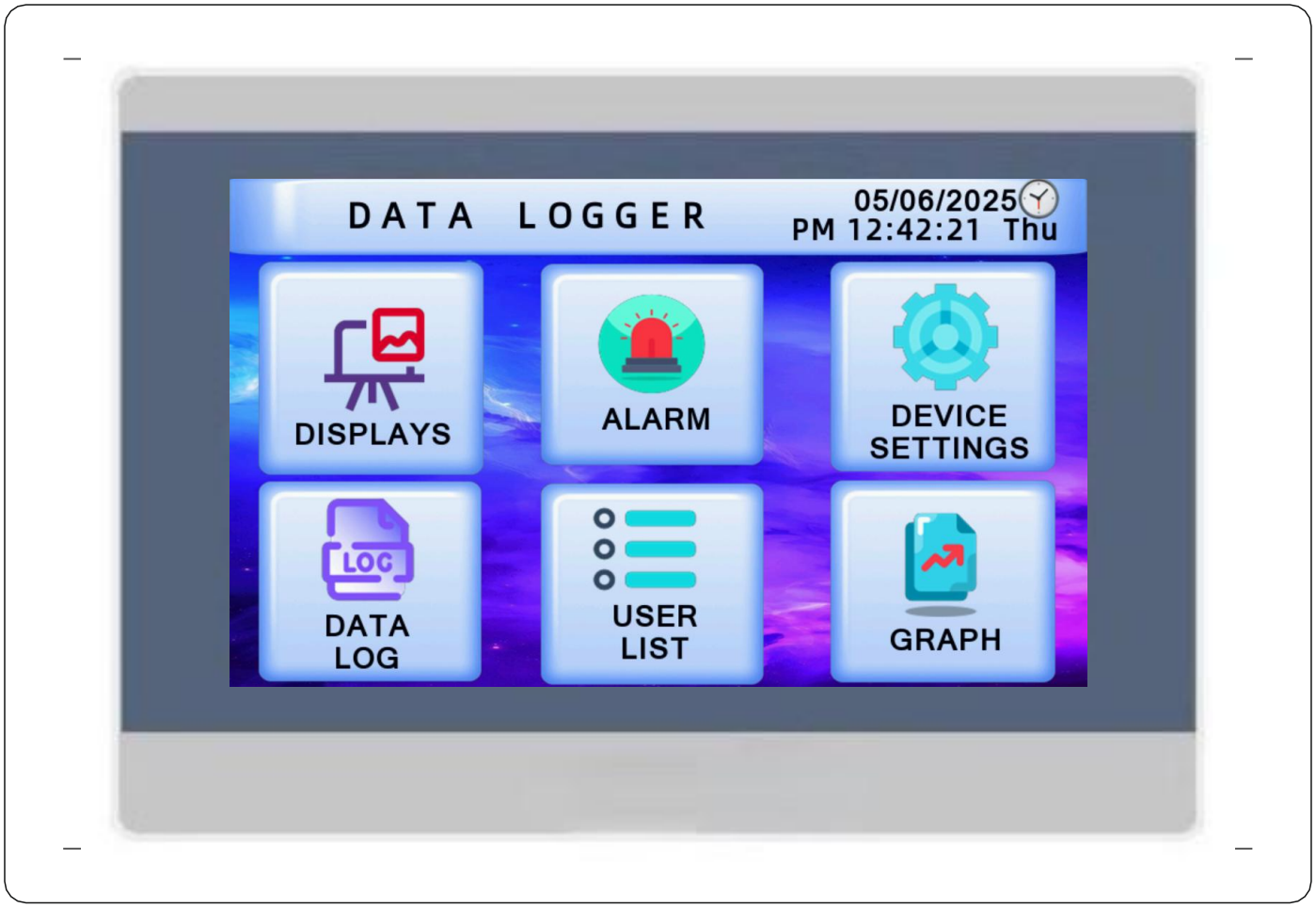
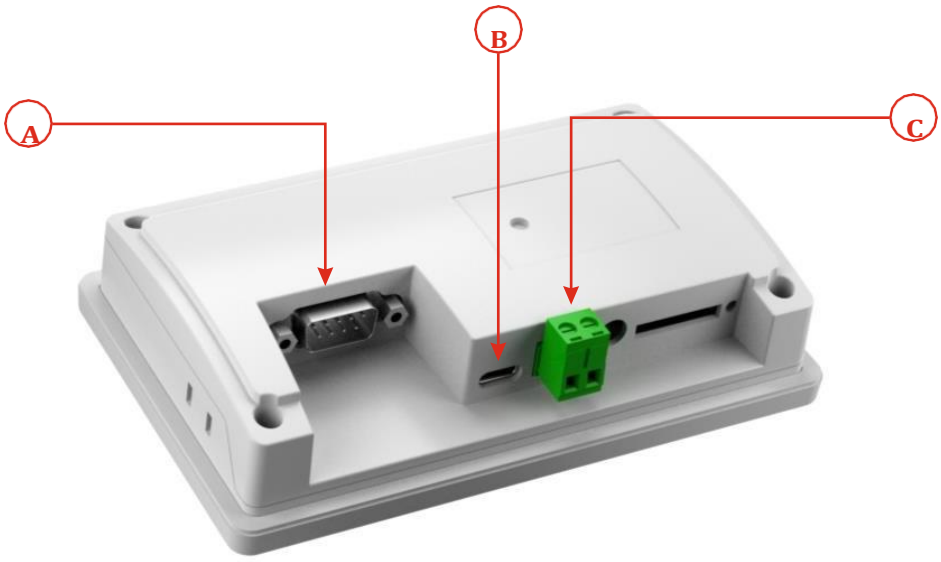
8 CH Universal Logger - User Manual



Display Specification:

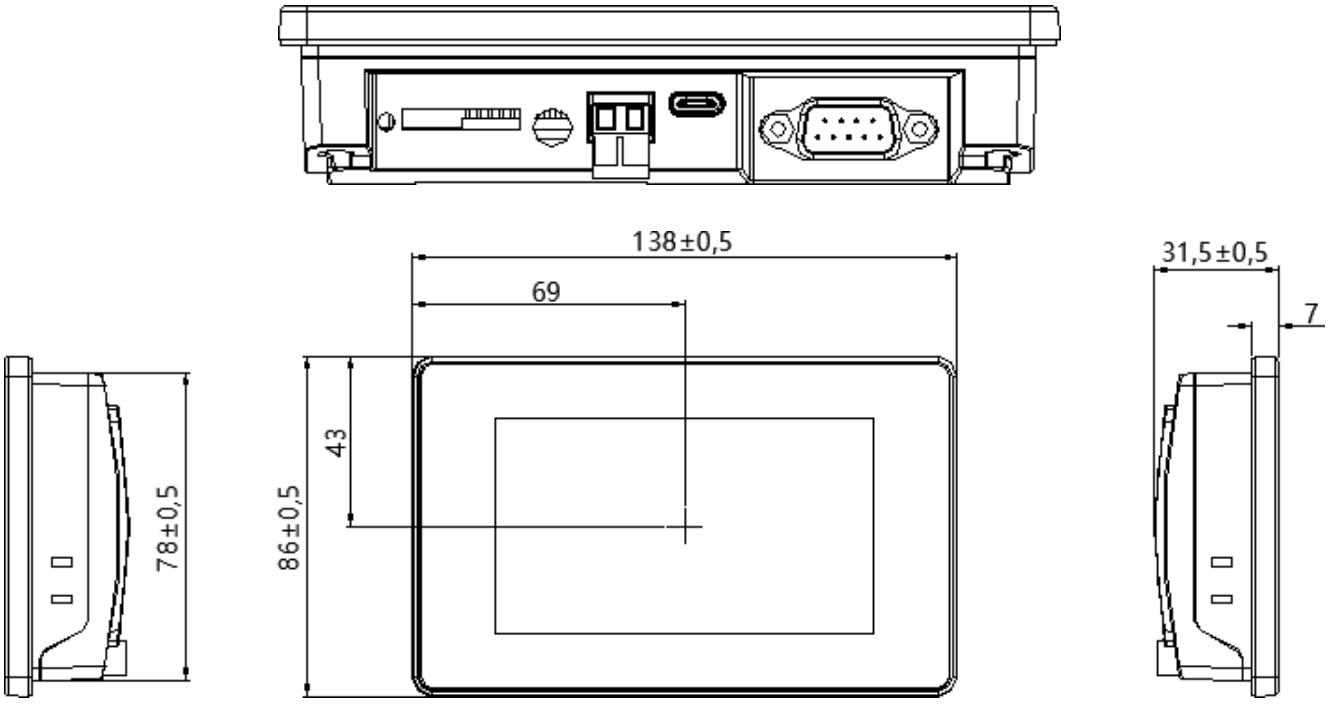
Display	**4.3"16:9 TFT LCD Screen**	**7.0"16:9 TFT LCD Screen**
Resolution	**800 X 480**	**800 X 480**
Color	**16 Bit**	**16 Bit**
Brightness	**250 CD/m²**	**250 CD/m²**
Backlight	**LED**	
Touch Screen	**4-line industrial resistive HMI**	
LCD Life	**50000 Hours**	

Wiring Connection of 4.3" HMI:

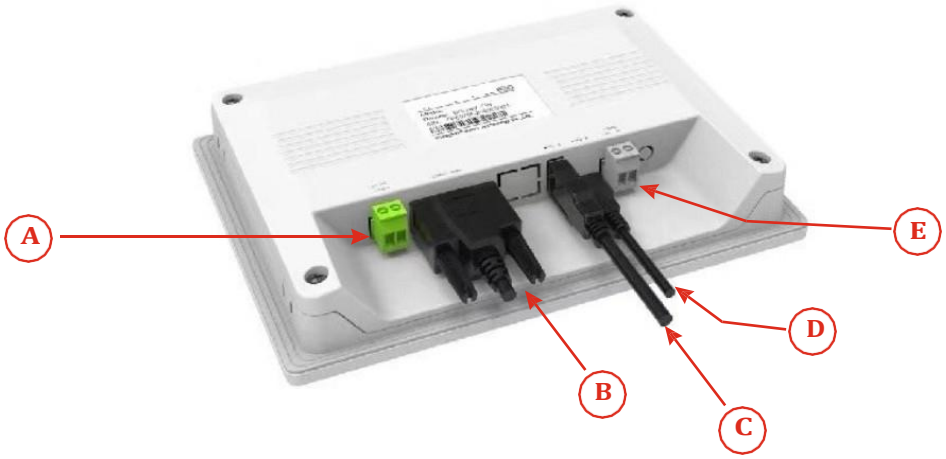


Sr.No	Connection	Discription
A	DB 9 Connector	For Device Communication & Printing
B	USB Type C	For Downloading Program & to Copy Data In Pendrive
C	Power Terminal	Pin 1 - 0V Pin 2 - DC 24V

Mechanical Dimensions of 4.3" HMI:

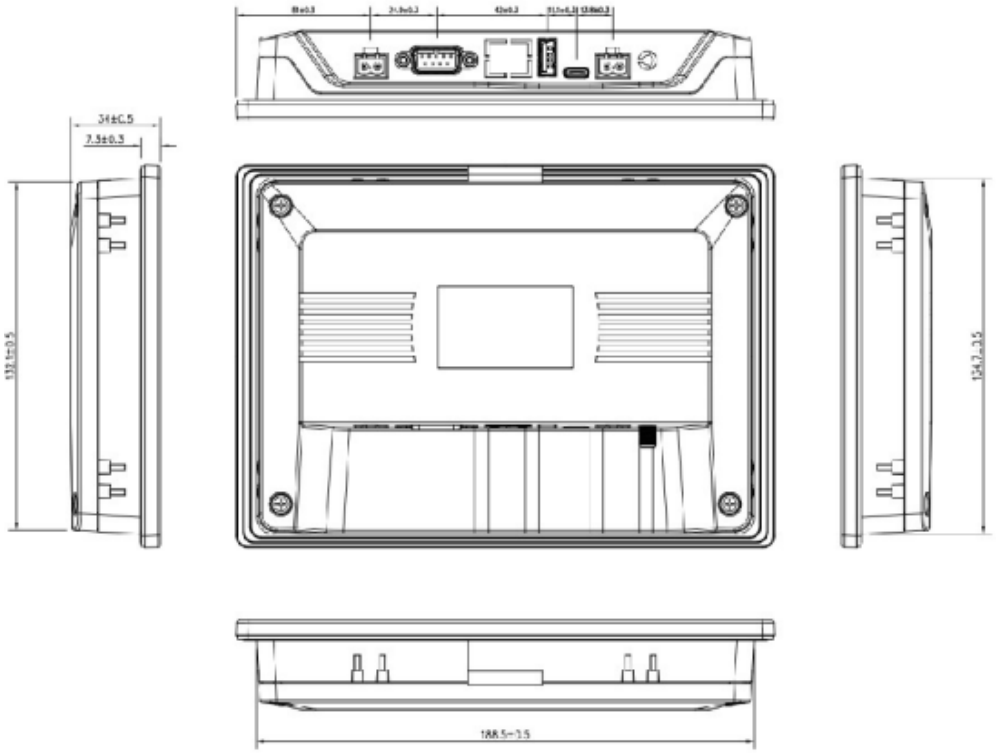


Wiring Connection of 7.0" HMI:

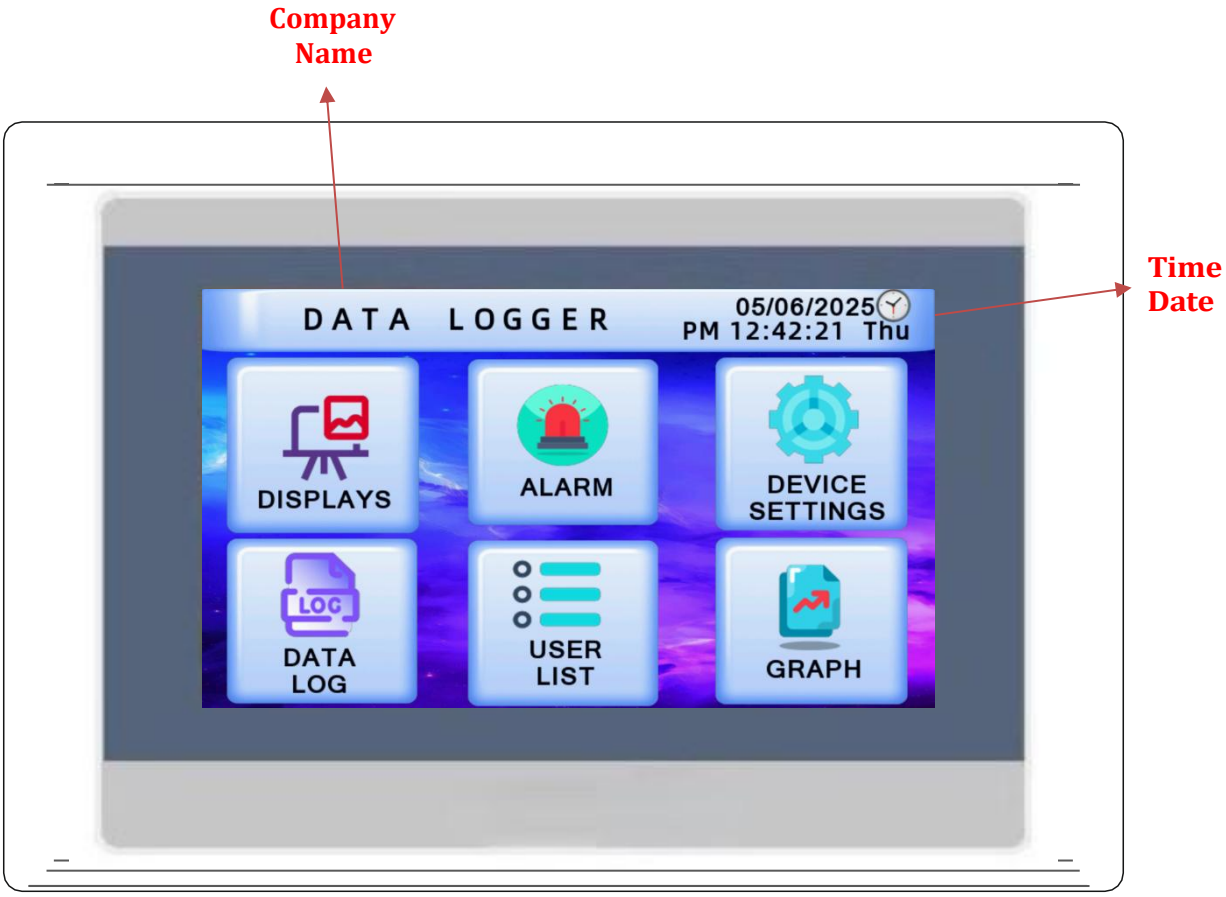


Sr.No	Connection	Discription
A	Power Terminal (COM1/COM3)	Pin 1 - (-DC GND) Pin 2 - (+DC 24 V)
B	DB 9 Connector	For Device Communication & Printing
C	USB Host	Connecting U-DISC and Scanner etc.
D	USB Slave	For Downloading Program
E	485 Terminal (COM2)	Pin 1 - A+ (+RS-485) Pin 2 - B- (-RS-485)

Mechanical Dimensions of 7.0" HMI:



Home Screen:



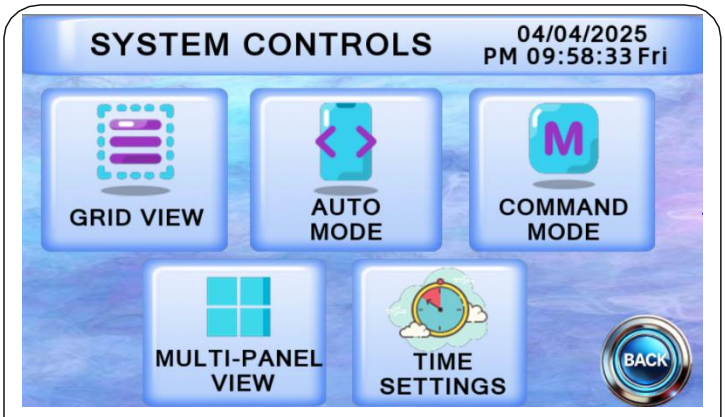
1.	08/04/2025 AM 12:12:27 Tue	**Calendar Date & Clock Time:** **These two fields show the current date (DD/MM/YY) & time (HH:MM:SS, 24 Hours format), respectively.** **With the help of clock symbol, you can set real time clock date and time.**
2.		**Settings:** **Click this icon to Device Settings.**
3.		**Layouts:** **Click this icon to Access different layouts.**
4.		**Data Log:** **Click this icon to Access Data Log.**

5.		**Graph:** Click this icon to Access Graph.
6.		**Alarm Setting:** Click this icon to access HMI Setting.

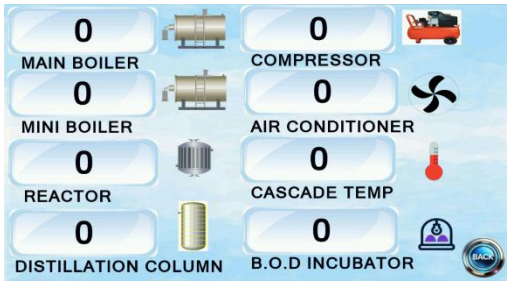
Password

Access Level	Access Level
Password	15

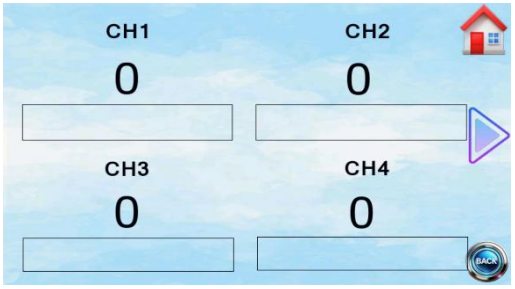
1. Display Pattern:



Different views



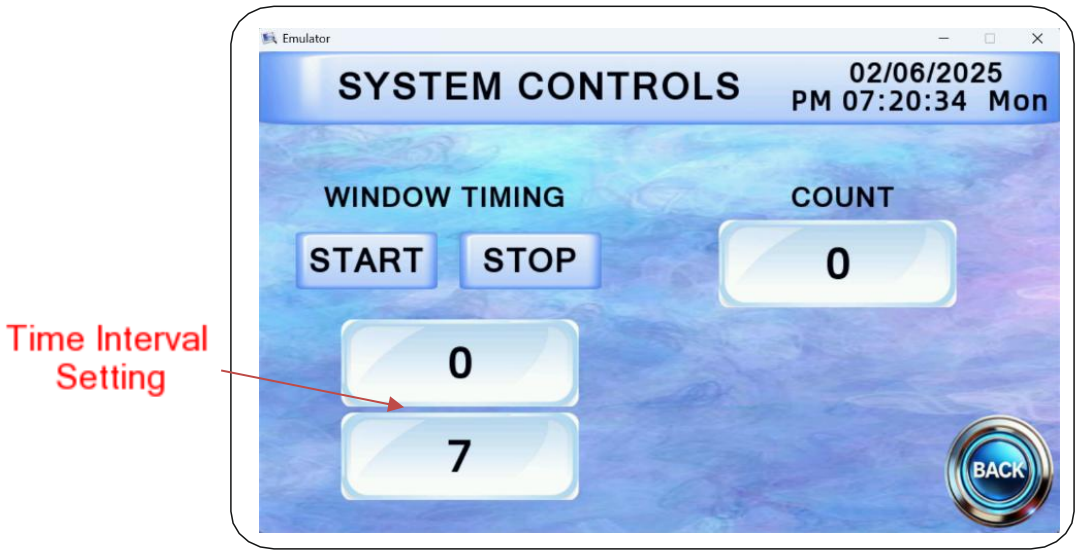
Gird View: All channel data can be seen together



Multi-Pannel: In total can view 4 channel together

1 Channel at a time

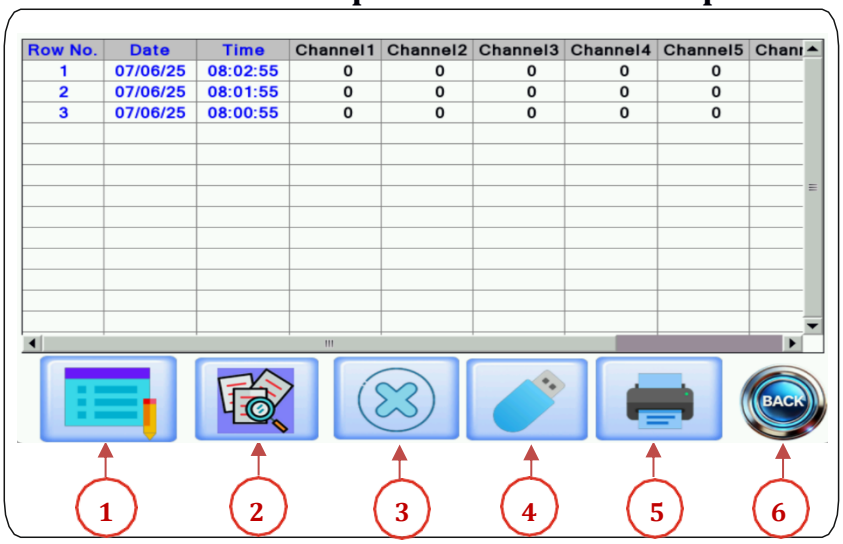
1. **<u>Auto Mode</u>: In auto mode, the channels switch cyclically.**
2. **<u>Manual Mode</u>: In manual mode, you can switch between channels and view each one individually.**



Time Interval Setting: You can set Time Interval for example here it is 7 so after every 7sec Channels will flip.

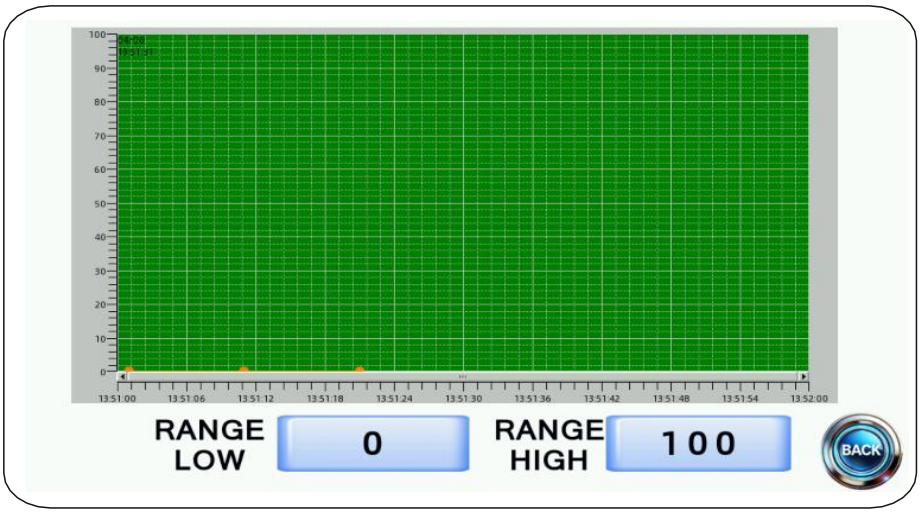
2. Data Log:

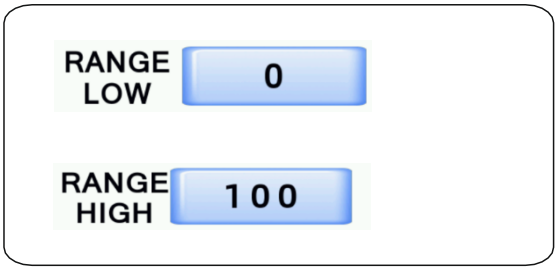
*** Data Log Display Res will be 0.1 irrespective of selected Input Res in configuration**



1.	START	To Stop Data-logging process we use START Button.
2.		To Search Data-log by selecting Start date and End date.
3.		To Clear Data-logging we use this Button.
4.		To copy Data in Pen-Drive.
5.		To Print Data we use this Button.
6.		To go back to main page.

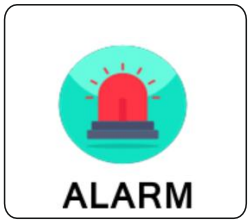
3. Graph:

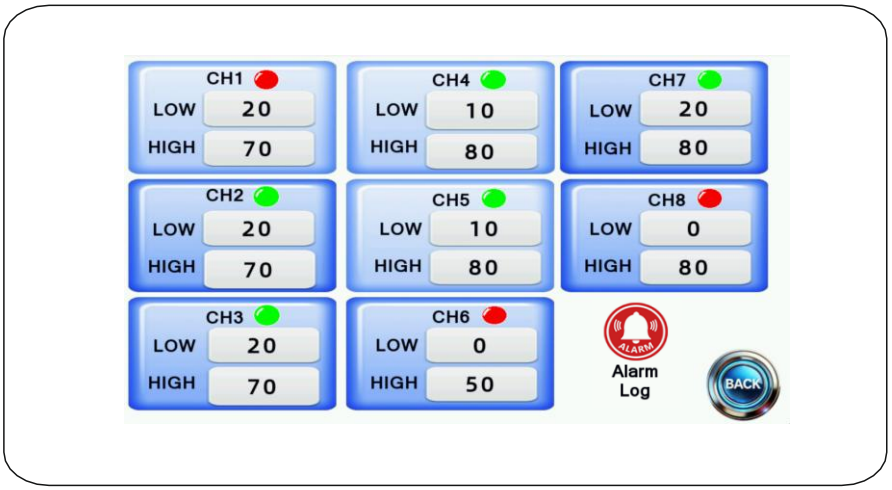




Graph Settings: Set high and low limits to visualize real-time channel data and behaviour through a live graph.

4. Alarm:

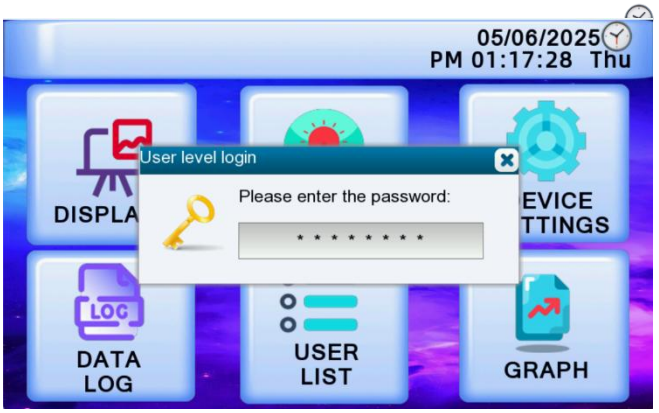




In the alarm settings, you can set high and low limits. If the value goes above the high limit or below the low limit, the output will be activated.

5. Channel Settings:

DEVICE SETTINGS



Enter the Password and enter into Device settings.

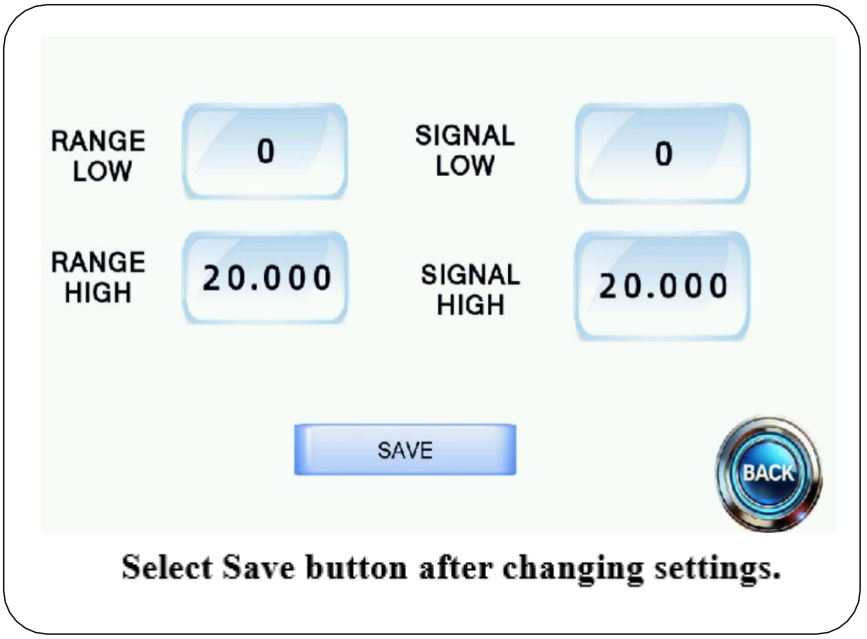
Select channel number whose settings are need to be changed.

Enter Channel Name

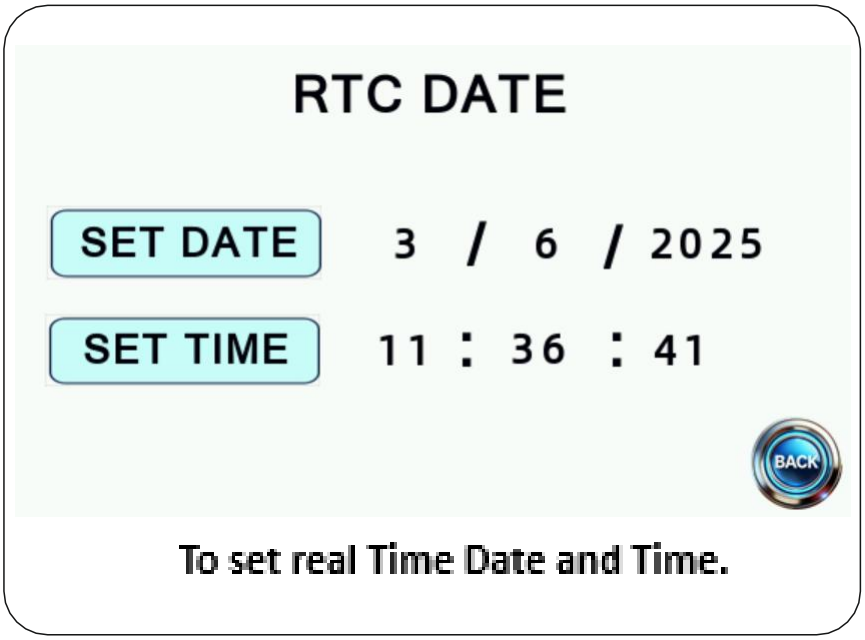
Select sensor Type

Select Resolution

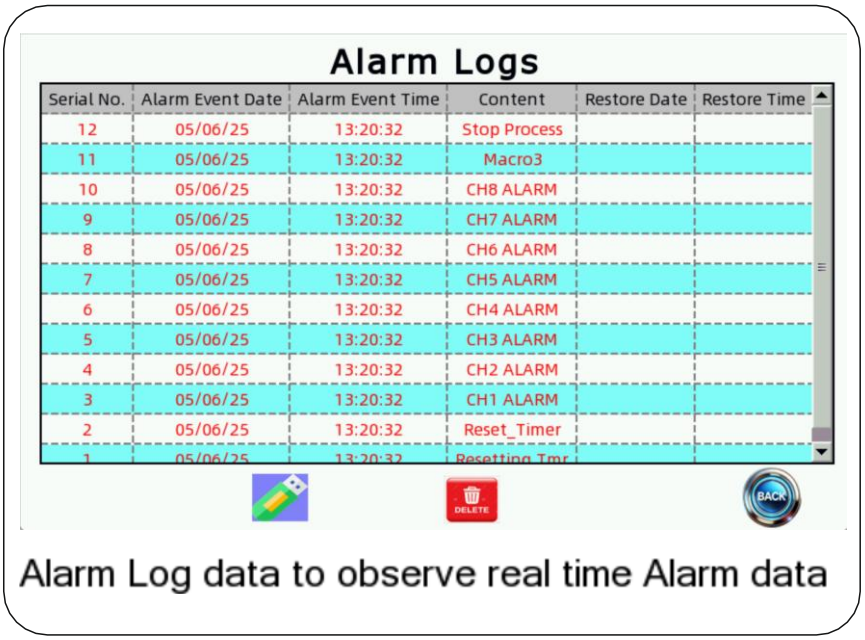
Save settings



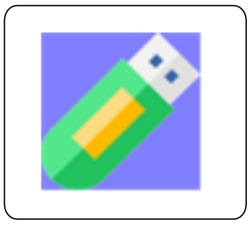
6. RTC Settings:



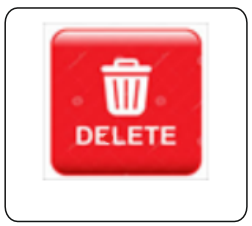
6. Alarm Log:



Alarm Log data to observe real time Alarm data



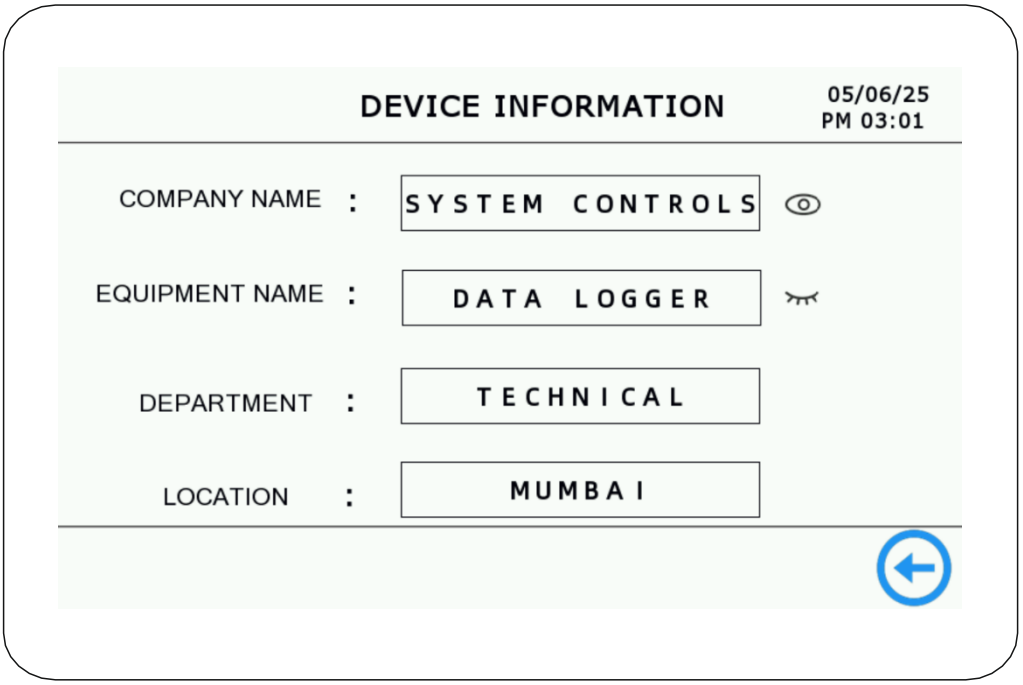
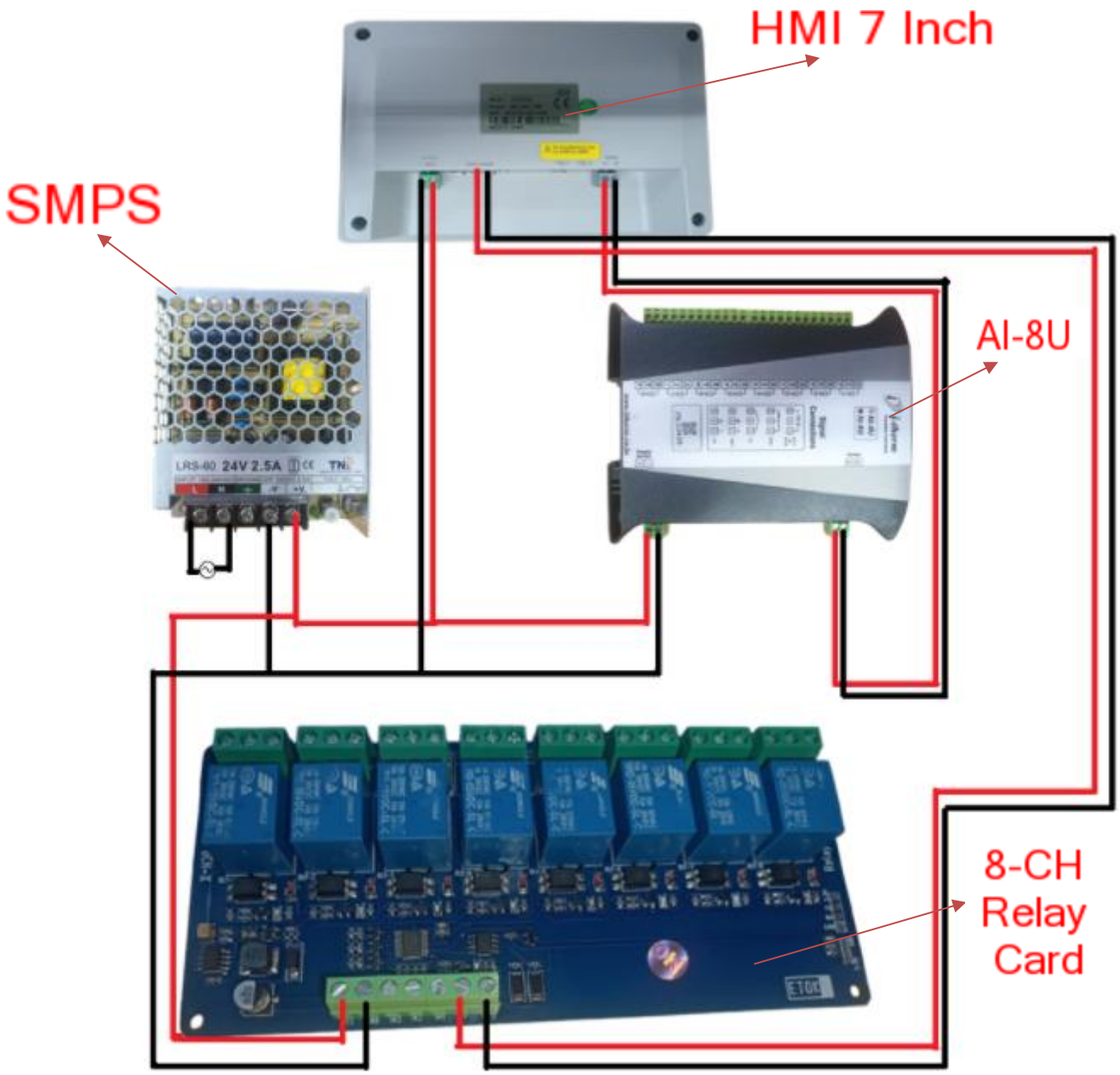
To copy data in Pendrive



To Clear Alarm Log when this button is pressed.

7. User List:

USER
LIST


DEVICE INFORMATION
05/06/25
PM 03:01
COMPANY NAME :
SYSTEM CONTROLS
EQUIPMENT NAME :
DATA LOGGER
DEPARTMENT :
TECHNICAL
LOCATION :
MUMBAI

8. Connection Diagram: