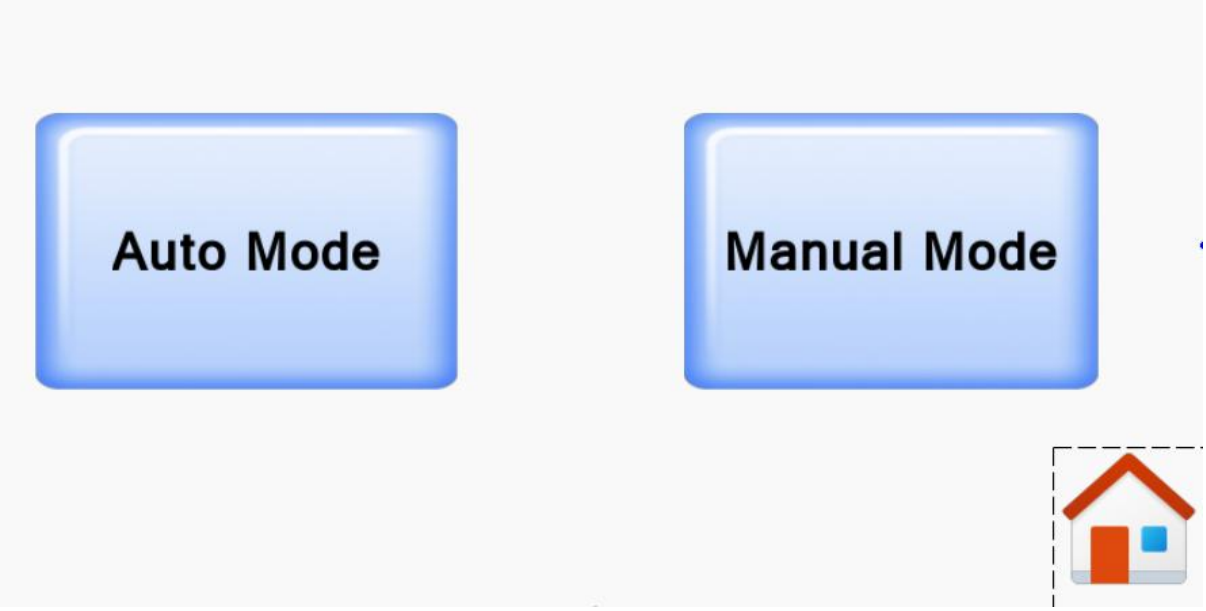
❖ **Function of Windows in HMI**

1. **Initial Level Check**

If the fluid level is low, a warning window will appear on the screen, and the buzzer will start ringing. Once the level rises above the low threshold, the pop-up window will automatically close, and the buzzer will stop.

2. Mode selection



In Auto Mode: The machine operates automatically. Pressing the **Auto Mode** button will navigate to the main operational screen.

Manual-Mode: Selecting **Manual Mode** will redirect you to the screen for **Operational Settings** and **Drive Settings**, allowing manual control over system components.

3. AutoMode Basic Window

This is the main screen where you can function your operation from start to end.

Set Timing: Initial timing setting for operation of PUMP1 is done by this display.

Start Button: It is to start the process.

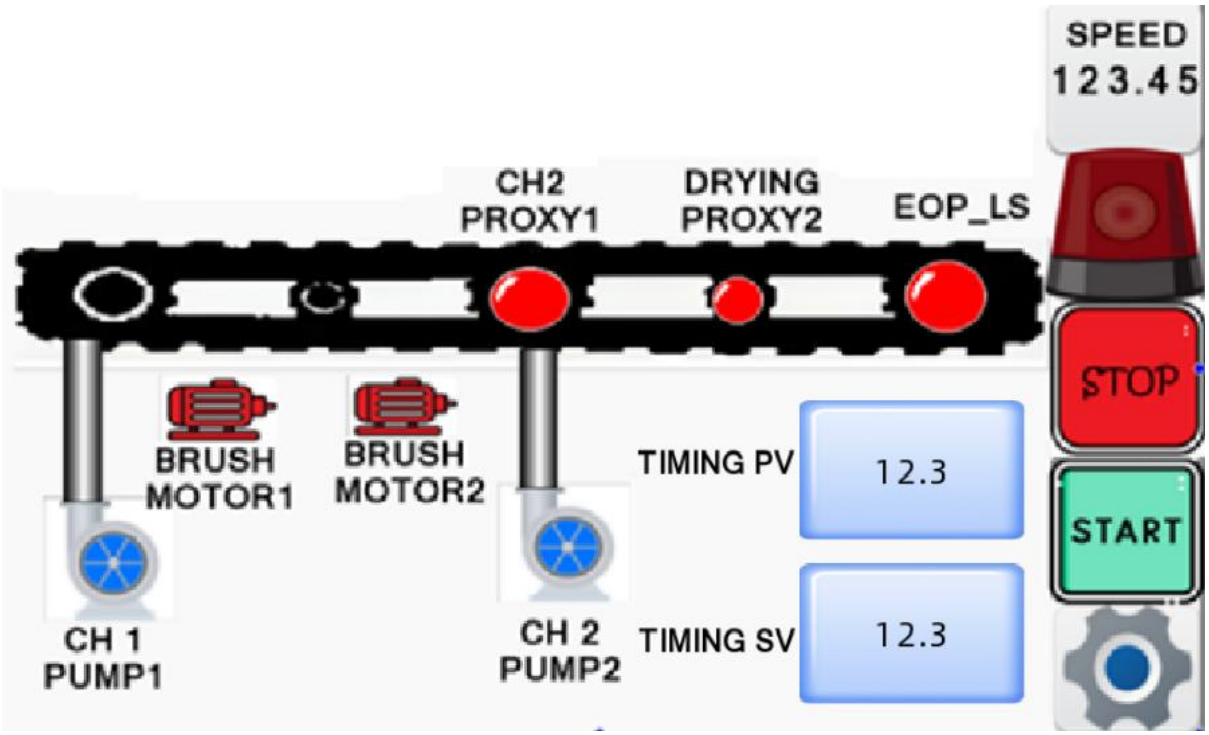
Count: In Count window you can observe the up counting.

Speed: You can see VFD speed indication on screen.

Stop: When Your process has come to end and buzzer is ringing You can use Stop button to stop buzzer.

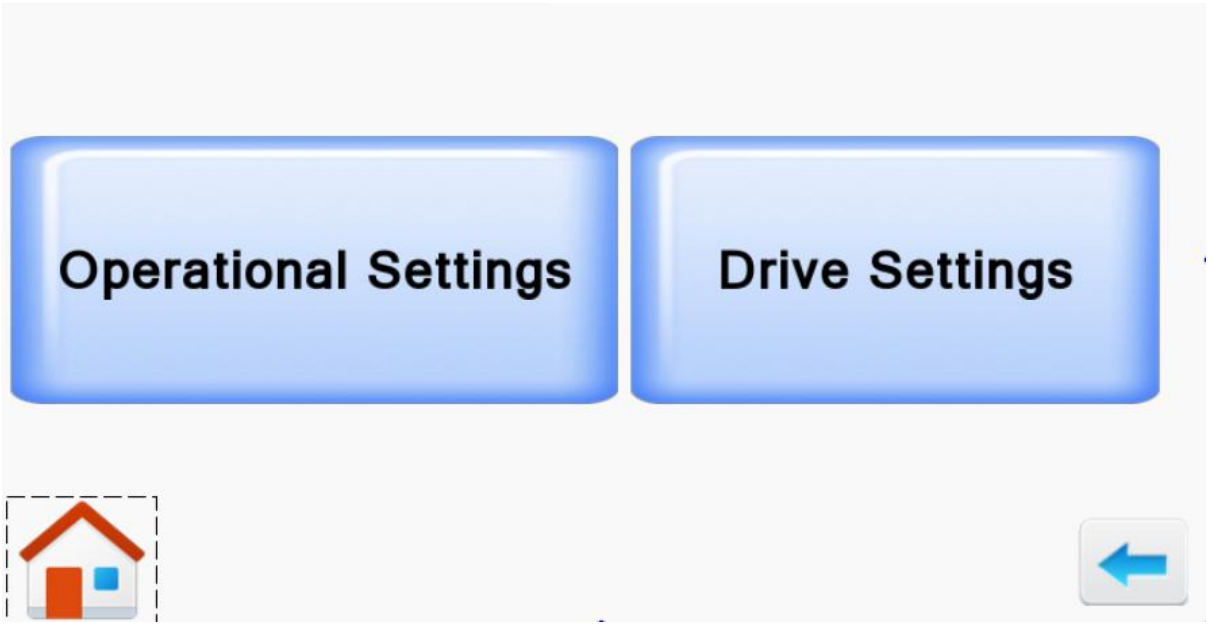
Buzzer: It is used during the end of process, as soon as the process ends it will turn On.

Settings: It is basically for doing internal settings.

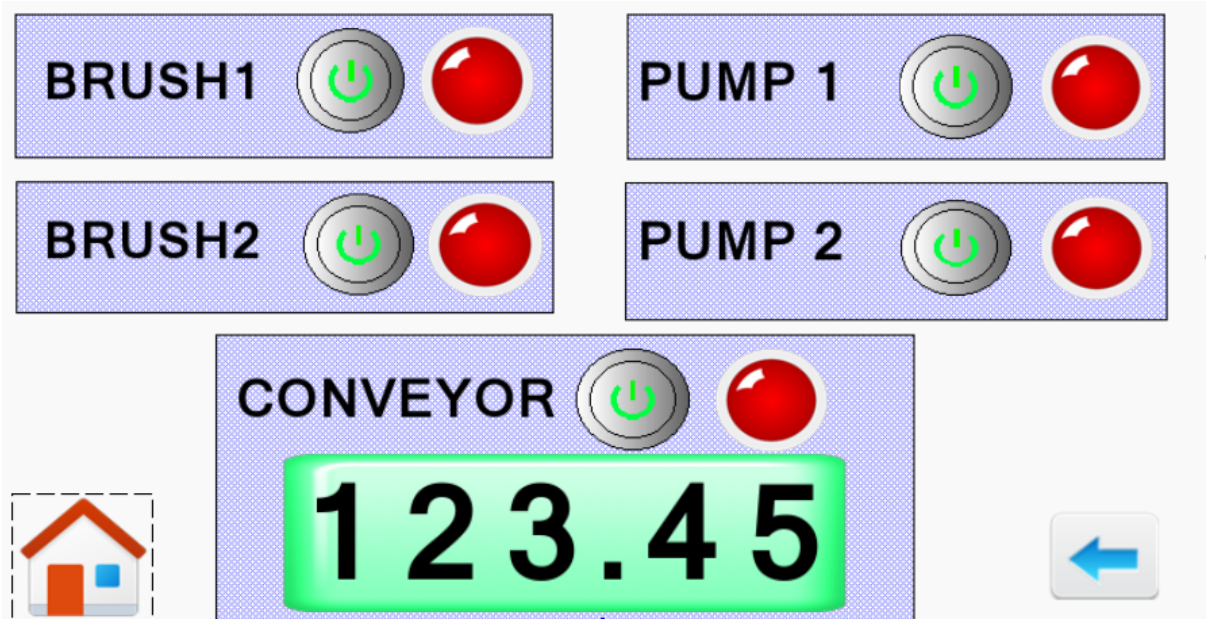


4. Manual Mode :

After selecting manual mode, it will guide you to operational settings and drive settings.

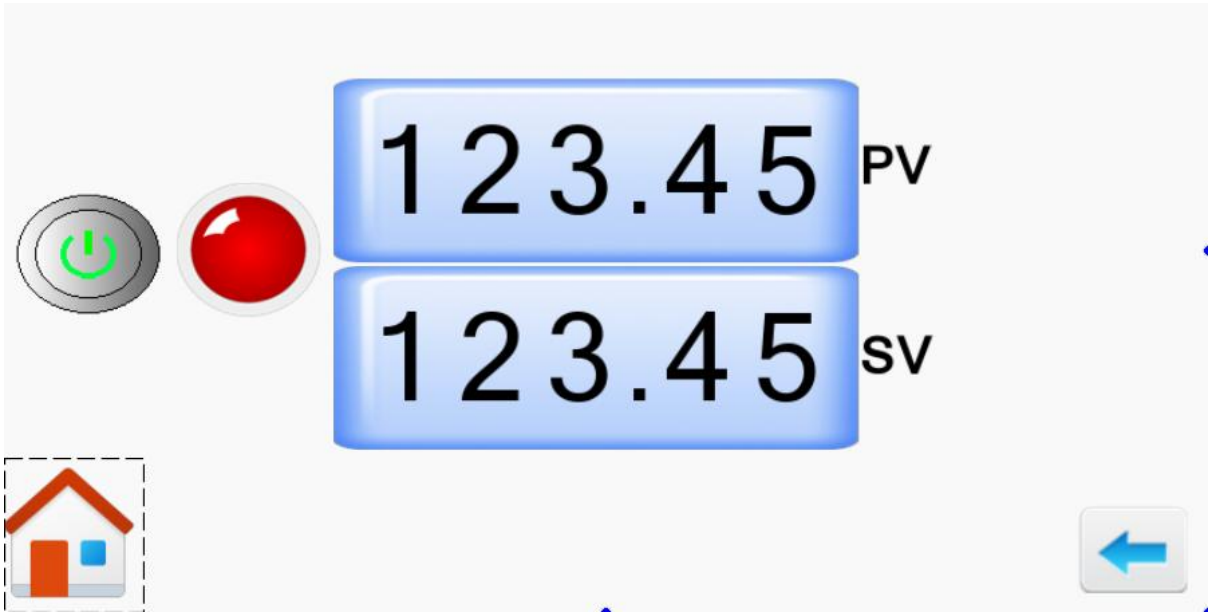


5. **Operational Settings :** In **Operational Settings**, users can manually control each component of the system.This section enables individual operation of drives, pumps, valves, and other key elements for troubleshooting and testing purposes.



6. Drive settings

In the SV Display you can set your drive frequency and operate it.



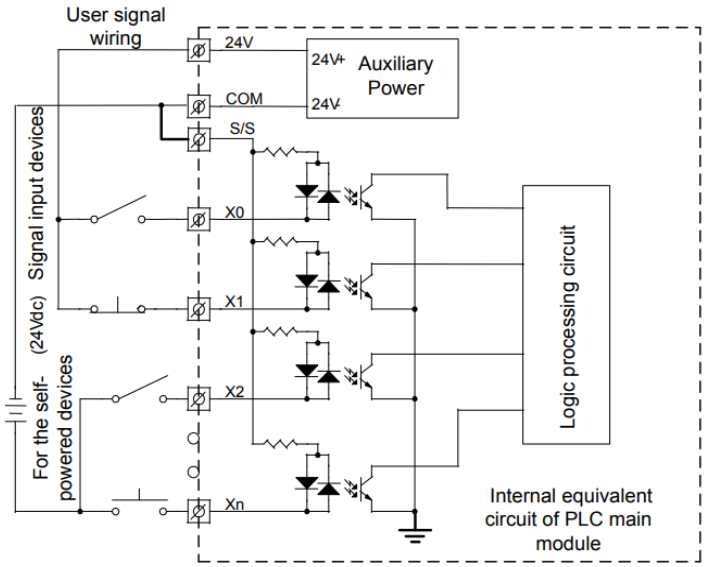
❖ DRIVE INTERNAL SETTING FOR RS-485 Communication with HMI

Incase if your drive is not communicating with HMI Check the drive setting and reset it if it is incorrect.

Parameters	Description	Setting	Remark
F0-02	Run Command Source	2	Serial comms.
F0-03	Frequency Source	9	Serial comms.
Fd-00	Communication "Baud rate"	5005	Modbus 9600bps
Fd-01	Communication "Data format"	2	8/O/1 (Odd bit settings)
Fd-02	Modbus "Address"	2	Slave No.2 (From HMI you have connected VFD to station no. 2)
Fd-03	Response Delay	20	20ms
Fd-04	Communication "Timeout"	0.0s	Invalid Error
Fd-05	Data Transmission format	1	Standard Modbus protocol
Fd-06	Current Resolution Selection	0	0.01A

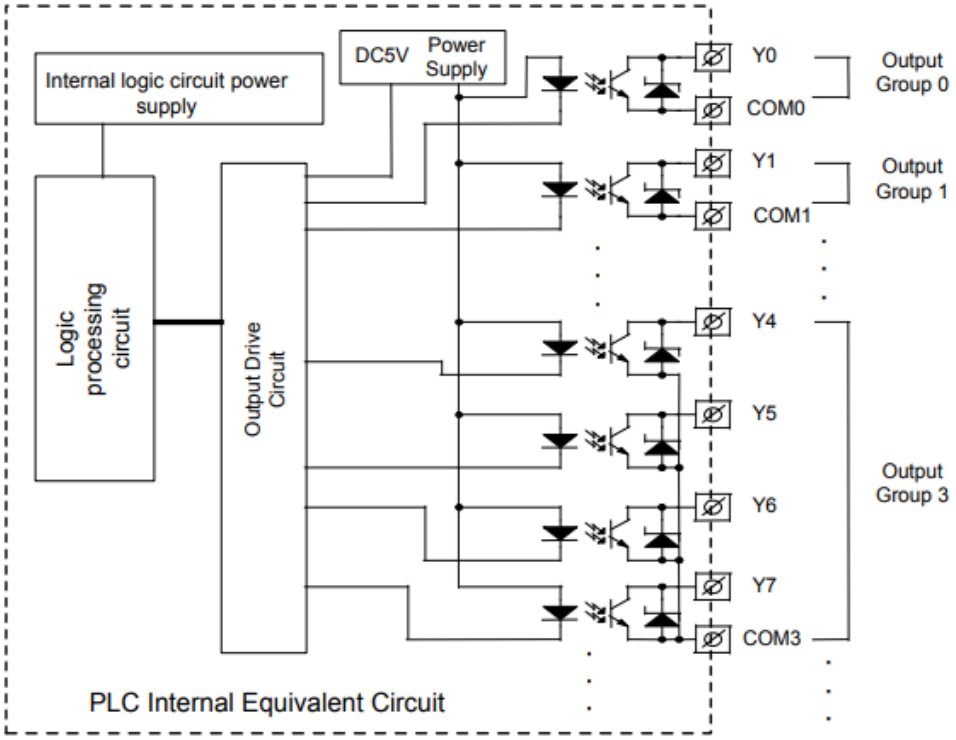
❖ Input Connection (Source Input Connection)

In case your input connection gets disconnected you can refer the wiring diagram and reconnect it.



❖ Output Connection (Relay Equivalent output connection)

In case your Output connection gets disconnected you can refer the wiring diagram and reconnect it.



❖ PLC H1U Innovance 0806 Specifications (8 inputs 6 Outputs)

Designation	Description
①	Product Information: H: Inovance controller
②	Series No.: 1U: 1U series controller
③	Input points: 08: 8 points input
④	Output points: 06: 6 points input
⑤	Module classification: M: Main module of general purpose controller; P: Positioning controller; N: Network controller; E: Expansion module
⑥	Output type: R: Relay output type; T: Transistor output type
⑦	Power Supply type: A: AC 220V Input omitted default:AC220V; B: AC110V input; C: AC24V input; D: DC24V
⑧	Special function identification: Such as high speed I/O and analog function, etc.

Wiring Diagram