* **Hardware specification**

STM32F103C8T6 32 bit Microcontroller

Op-Amp based ADC sensors

Digital IO relays

ESP32 Wi-Fi Board

* **Micro controller Peripherals:**

UART Port for Esp32 interfacing.

UART for Modbus RTU communication.

4 optional Inputs

4 optional Outputs

ADC based light sensor

ADC based Humidity sensor

Digital Tempreture Sensor

RTC and I2C EEEPROM.

Push button for Power Init

Push button for reset.