

# System Architecture

5V DC Input



## Power Supply

Regulator

Filter

Power  
Indicator LED

Power  
Protection

## Sensors

Temperature

Humidity

Light

Sensor  
Reading

## Button

Buttons x 2

Parameters Toggle

Switch x 2

Mode Switching

## Display

LCD 16x2

Parameters  
Display

LED  
Indicators

LED Alarm

Expansion Headers

Buzzer Alarm

## Connectivity

I2C

UART

SPI