1. System Block Diagram

Keyboard and LCD

Micro-controller

Temperature module

Heating/Cooling function

Illumination function

Illumination module

Watering function

Humidity module

Distance module

Lifting Function

Database

Remote control/HMI

1. Temperature Part Block Diagram

Heater and Fan

Dual High- power Mosfet

Cooling Fan

24V power supply

Dual High- power Mosfet

Keyboard Input

Micro-controller

LM 35 Temperature senor

Analog to Digital Converter

1. Watering Part Block Diagram

5V DC water pump

Remote Control

Keyboard Input

Analog to Digital Converter

Micro-controller

5V Relay

Moisture sensors

1. Illumination Part Block Diagram

Diagram

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1. Lifting Part Block Diagram

Diagram

Description automatically generated

1. Remote Control Block Diagram

Diagram

Description automatically generated

1. Local Control Block Diagram

Diagram

Description automatically generated