CONTROLLER FOR AUTOMATION SYSTEMS — CD-L24

OVERVIEW

The **CD-L24** controller designed for automation systems of home garden, greenhouses, farms and agricultural enterprises.

The controller receives measurement data from sensors via the LoRa wireless interface. The controller switch on the actuator when the parameter is below the set limit. The controller monitors the parameter. The controller switch off the actuator as soon as the parameter reaches the set value.

CONTROLLER INSTALLATION

1. Mount the **CD-L24** controller on place.
2. Make the electrical connections (see Wiring Diagram).
3. Switch on the power supply of the controller.

CONTROLLER SETUP

Connect to the Wi-Fi access point of the controller "**CD-L24**" (password: "**11111111**") using a smartphone, tablet or laptop. Then open the web page "**192.168.4.1**" using a browser.

The WEB page displays the measurement results of the **parameter** and the operation status of the controller **Status**. **On** – the actuator is switch on. **Off** - the actuator is switch on.

Controller setup.

The **System ID** and **Sensor ID** set by the manufacturer. If necessary, these parameters can changed to connect the controller to the **GW-I200** or **GW-L200** monitoring device.

Direction - type of parameter regulation. For maintain the parameter to increase (soil moisture, air heater) the value of the parameter is "1". For maintain the parameter to decrease (air cooler) the value of the parameter is "0".

Measurement interval is measurement interval in minutes.

Min is minimum value of the parameter. **Max** is the maximum value of the parameter.

Start_Hour and **Start_min** are the time when the executive device turned on. **Stop_Hour** and **Stop_min** are the time when the executive device turned off. These parameters are set when the controller to connect to the **GW-I200** or **GW-L200** monitoring device.

The **Wi-Fi** access point parameters of the controller **SSID** and **Password** set by the manufacturer. You can change these settings if necessary.

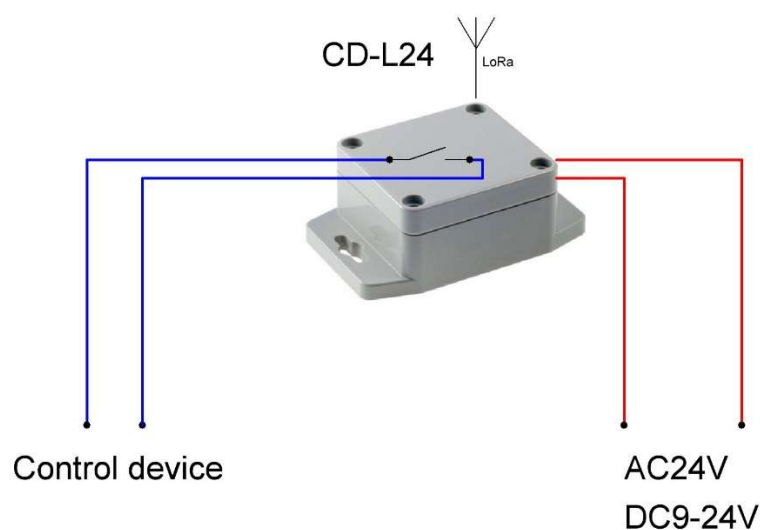To save changes click the **Submit** button of the corresponding section.

CONTROLLER SPECIFICATIONS

Supply voltage:	DC9-24V/AC 24V
Switching voltage, max.:	250V
Switching current, max.:	5A
Switched power, max.:	300W
Power consumption:	1.5W
WiFi hotspot:	802.11b/g/n
LoRa Interface:	433MHz, 18dBm
Temperature Range:	-20÷ 60 ^{o}C
Controller case dimensions:	94x59x35mm

WIRING DIAGRAM

CONTROLLER CASE DIMENSIONS

94

79

52

R4.25

58.84

46

HOLES(2) ARE DESIGNED FOR M4 PAN
HEAD MACHINE SCREWS USE.

35

29