WIRELESS AIR TEMPERATURE AND HUMIDITY SENSOR ATH-L24

OVERVIEW

The **ATH-L24** sensor measures the temperature and humidity of the air. The sensor transmits the measurement data to the **CD-L24** controller and to the **GW-I200** monitoring device via LoRa wireless technology over a distance of up to 5 km.

The **ATH-L24** sensor designed for automation systems of greenhouse, farms and agricultural enterprises.

SENSOR INSTALLATION

1. Install the **ATH-L24** sensor on place.
2. Make electrical connections (see Wiring Diagram).
3. Switch on the power supply of the sensor.

SENSOR SETUP

Connect to the Wi-Fi access point of the sensor "**ATH-sensor**" (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: **Air temperature** is air temperature and **Air humidity** is air humidity. **Status** is sensor operation status. **Ok** - everything is fine. **Error** –data transfer is not working.

Sensor setup.

The **System ID** and **Sensor ID** set by the manufacturer. If necessary, these parameters can changed to connect the sensor to the **CD-L24** controller.

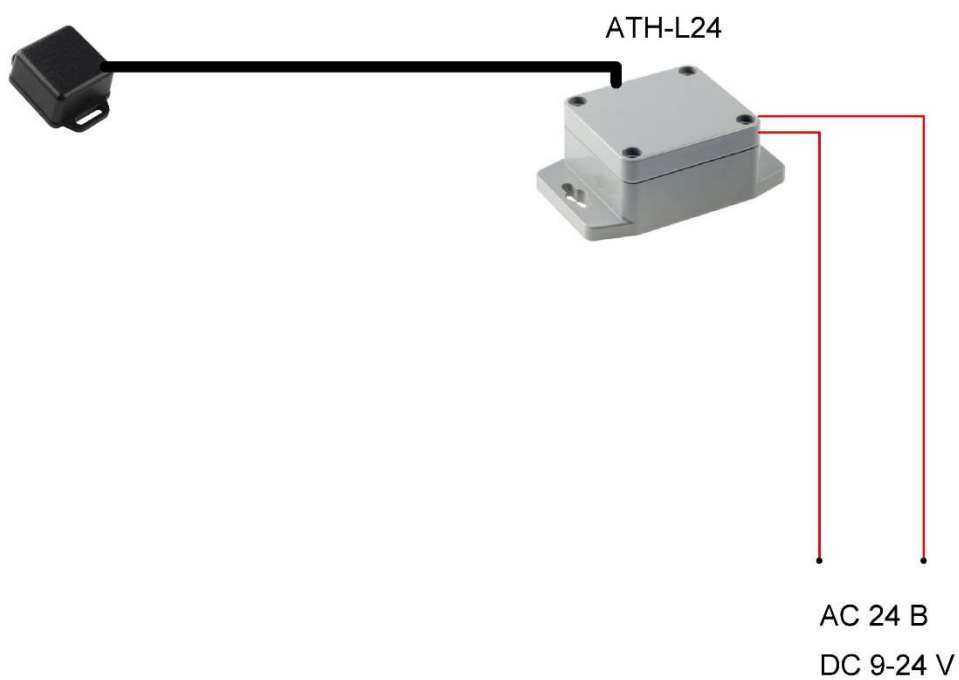**Measurement interval** is measurement interval in minutes.

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 section.

SENSOR SPECIFICATIONS

Operating voltage:	DC9-24V/AC24V
Power consumption:	1 W
Wi-Fi:	802.11b/g/n
LoRa:	433 MHz, 18 dBm
Temperature range:	-20 ÷ 60 ºC
Case dimensions:	94x59x35 mm
Sensor dimensions:	36x36x20 mm
Cable length:	1 m

WIRING DIAGRAM

ATH-L24

AC 24 B

DC 9-24 V

CASE DIMENSIONS

94

79

52

R4.25

46

58.84

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

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