

## JAOCDOEN JAOCDOENu5m4dv6rfh

# JAOCDOEN Incubator Temperature Controller User Manual

Model: JAOCDOENu5m4dv6rfh

## 1. PRODUCT OVERVIEW

---

The JAOCDOEN Incubator Temperature Controller is a digital, full-automatic thermostat designed for egg incubators. It provides precise control over temperature and humidity, and manages essential incubation functions such as egg turning and lighting. This controller is equipped with a microcomputer for efficient operation and a clear LCD screen for easy monitoring.



Image 1.1: Front view of the JAOCDOEN Incubator Temperature Controller, showing the digital display and control buttons.

## Key Features:

- **Full Automatic Control:** Microcomputer-controlled for automatic egg turning (left or right) to enhance hatching efficiency.
- **High Accuracy:** Precise temperature and humidity control for optimal incubator conditions.
- **Large LCD Screen:** Easy-to-read display for quick monitoring of machine status.
- **Integrated Temperature Sensor:** Provides accurate temperature readings within the incubator.
- **Multiple Output Channels:** Manages heating, humidification, egg turning, and egg lighting.

## 2. SETUP INSTRUCTIONS

---

Follow these steps to properly set up your incubator temperature controller:

1. **Mounting the Controller:** Integrate the controller securely into your incubator unit. Ensure it is placed in a location that allows for clear visibility of the display and easy access to the control buttons.
2. **Connect Temperature Sensor:** Connect the provided temperature sensor to the designated port on the controller. Position the sensor inside the incubator where it can accurately measure the ambient temperature, away from direct heat sources or airflow.



Image 2.1: The controller with the temperature sensor connected, ready for installation.

3. **Connect Power Supply:** Connect a DC 12V power supply to the controller's power input port. Ensure the power source meets the specified voltage and wattage requirements (DC 12V, 30W).
4. **Connect Incubator Components:** Connect your incubator's heating element, humidification device, egg turning motor, and egg lighting to the respective output channels on the controller. Refer to your incubator's wiring diagram for specific connections.
5. **Initial Power On:** Once all connections are secure, apply power to the controller. The LCD screen should illuminate, displaying current temperature and humidity readings.

### 3. OPERATING INSTRUCTIONS

---

The controller features a user-friendly interface with a digital display and several buttons for operation.



Image 3.1: Close-up view of the control panel, showing the digital display, SET button, plus (+) button, minus (-) button, and light button.

### Button Functions:

- **SET Button:** Used to enter and exit the parameter setting mode. Press and hold to access advanced settings.
- **'+' Button:** Increases the value of a selected parameter or navigates through menu options.
- **'-' Button:** Decreases the value of a selected parameter or navigates through menu options.
- **Light Button (Bulb Icon):** Activates or deactivates the egg lighting function.

### Setting Temperature and Humidity:

1. Press the **SET** button once to view the current target temperature.
2. Press the **SET** button again to enter temperature setting mode. The temperature value on the display will flash.
3. Use the '+' and '-' buttons to adjust the desired temperature.
4. Press the **SET** button once more to confirm the setting and exit the temperature setting mode.
5. Repeat similar steps for humidity settings if available through the SET menu.

## Egg Turning and Lighting:

- **Automatic Egg Turning:** The controller automatically manages egg turning cycles. The frequency and duration of turning can typically be adjusted in advanced settings (refer to specific parameter codes if provided in a separate advanced manual).
- **Egg Lighting:** Press the **Light Button** (bulb icon) to turn the internal incubator light on or off for inspecting eggs.

## 4. MAINTENANCE

---

Proper maintenance ensures the longevity and accurate performance of your controller.

- **Cleaning:** Regularly wipe the controller's surface and display with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the plastic or screen.
- **Sensor Care:** Keep the temperature sensor clean and free from debris. Ensure its cable is not pinched or damaged.
- **Connection Checks:** Periodically inspect all electrical connections to ensure they are secure and free from corrosion.
- **Storage:** If storing the controller for an extended period, disconnect it from power and store it in a dry, dust-free environment.

## 5. TROUBLESHOOTING

---

If you encounter issues with your controller, refer to the following common problems and solutions:

- **Controller Does Not Power On:**
  - Check the DC 12V power supply connection. Ensure it is securely plugged in and providing power.
  - Verify the power adapter is functional and meets the 12V requirement.
- **Incorrect Temperature/Humidity Readings:**
  - Ensure the temperature sensor is properly connected and not damaged.
  - Verify the sensor is placed correctly within the incubator, away from direct heat or cold spots.
  - Clean the sensor if it appears dirty.
- **Egg Turning Not Functioning:**
  - Check the connection between the controller and the egg turning motor.
  - Ensure the egg turning function is enabled in the controller's settings.
- **Display Not Responding to Buttons:**
  - Ensure the controller is powered on.
  - Try a soft reset by disconnecting and reconnecting the power.

## 6. SPECIFICATIONS

---

### Product Specifications

<b>Item Type</b>	Incubator Temperature Controller
<b>Material</b>	Plastic

<b>Weight</b>	Approx. 115g / 4.1oz
<b>Product Size</b>	21.7 x 8.8 x 3 cm / 8.5 x 3.5 x 1.2 in
<b>Power</b>	30W
<b>Voltage</b>	DC 12V
<b>Frequency</b>	50 - 60Hz
<b>Temperature Display Range</b>	0 - 99.9 °C
<b>Temperature Measurement Accuracy</b>	± 0.1 °C
<b>Humidity Display Range</b>	0 - 99%RH
<b>Humidity Accuracy</b>	± 3%RH
<b>Output Channels</b>	4 channels (Heating, Humidification, Egg Turning, Egg Lighting)

### Working Conditions:

- **Working Voltage:** DC12V
- **Relative Humidity:** Less than 85%
- **Ambient Temperature:** -20 °C - 70 °C

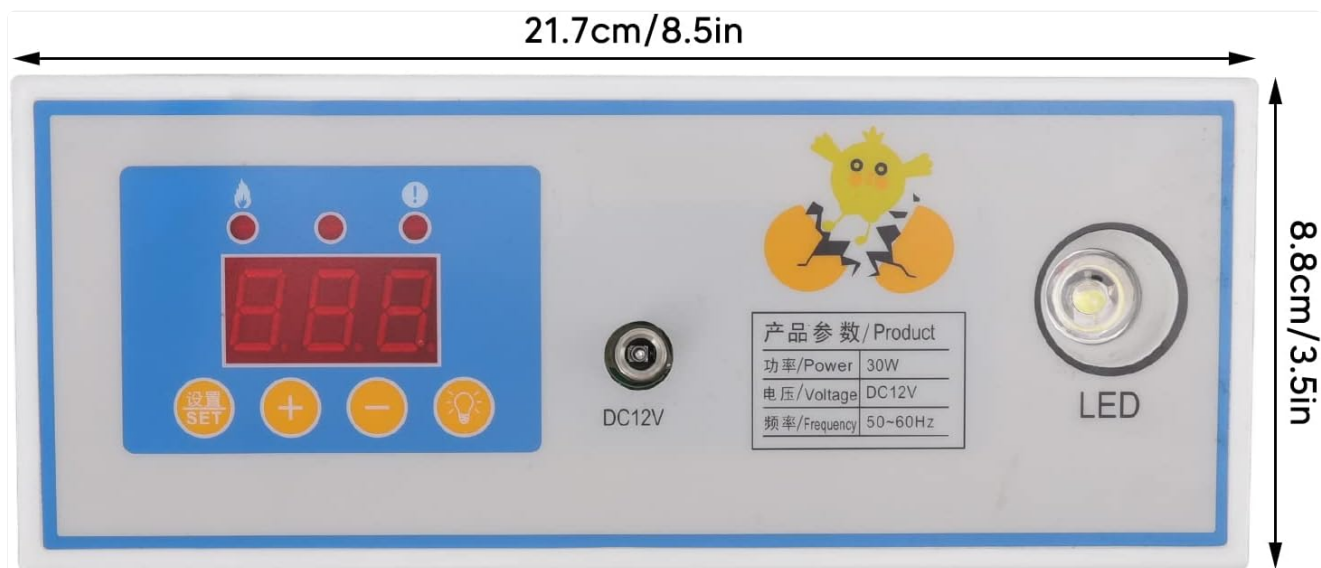


Image 6.1: Diagram showing the dimensions of the controller (21.7cm / 8.5in length, 8.8cm / 3.5in width).

## 7. PACKAGE CONTENTS

The package includes the following items:

- 1 x Incubator Temperature Controller
- 1 x Temperature Sensor
- 1 x Instructions (this manual)

## 8. WARRANTY AND SUPPORT

Warranty information for this product is not explicitly provided in the product description. For details regarding warranty coverage, terms, and conditions, please refer to the documentation included with your purchase or contact the seller directly.

For technical support or further assistance, please contact the manufacturer, JAOCDOEN, or the seller through the platform where the product was purchased. You may also visit the [JAOCDOEN Store on Amazon](#) for more information.