

TAISHENG CL-1000T / CL-1000

TAISHENG CL-1000T / CL-1000 Oven Temperature Controller User Manual

Model: CL-1000T, CL-1000



1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of the TAISHENG CL-1000T and CL-1000 Oven Temperature Controllers. These devices are designed for precise temperature regulation in various oven applications, ensuring stable and accurate heating control. Please read this manual thoroughly before operating the device to ensure safe and efficient use.

2. SAFETY INSTRUCTIONS

Always adhere to the following safety precautions to prevent injury or damage to the device:

- **Electrical Safety:** Ensure the power supply matches the device's requirements (AC 220V). All wiring should be performed by a qualified electrician. Disconnect power before any installation or maintenance.
- **Proper Installation:** Install the controller in a dry, well-ventilated area, away from direct sunlight, excessive heat, or corrosive environments.
- **Handling:** Handle the device with care to avoid physical damage. Do not drop or subject it to strong vibrations.
- **Intended Use:** Use the controller only for its intended purpose of temperature regulation in ovens.
- **Maintenance:** Do not attempt to repair the device yourself. Refer all servicing to qualified personnel.

3. PRODUCT OVERVIEW

The TAISHENG CL-1000T / CL-1000 is a robust temperature controller featuring a clear digital display and an intuitive rotary dial for temperature setting. It is designed for easy integration into industrial and commercial oven systems.

3.1 Front Panel Components



Figure 3.1: Front view of the TAISHENG CL-1000T / CL-1000 Oven Temperature Controller.

The front panel includes:

- **Digital Display:** A three-digit LED display showing the current temperature in degrees Celsius (°C).
- **Rotary Dial:** A large, clear dial for setting the desired temperature, ranging from 0 to 400 degrees Celsius. The dial is marked with increments for precise adjustment.
- **Status Indicators:** "ON" and "OFF" indicator lights to show the power status of the heating element.
- **Model Number:** "CL-1000" clearly visible on the top right.
- **Brand Name:** "TAISHENG" printed at the bottom right.

3.2 Rear Panel and Wiring Terminals



Figure 3.2: Rear view of the TAISHENG CL-1000T / CL-1000 showing wiring terminals and diagram.

The rear panel provides access to the electrical connections. A clear wiring diagram is affixed to the back, detailing connections for power supply, sensor input, and output to the heating element. Ensure all connections are secure and follow local electrical codes.

3.3 Packaging

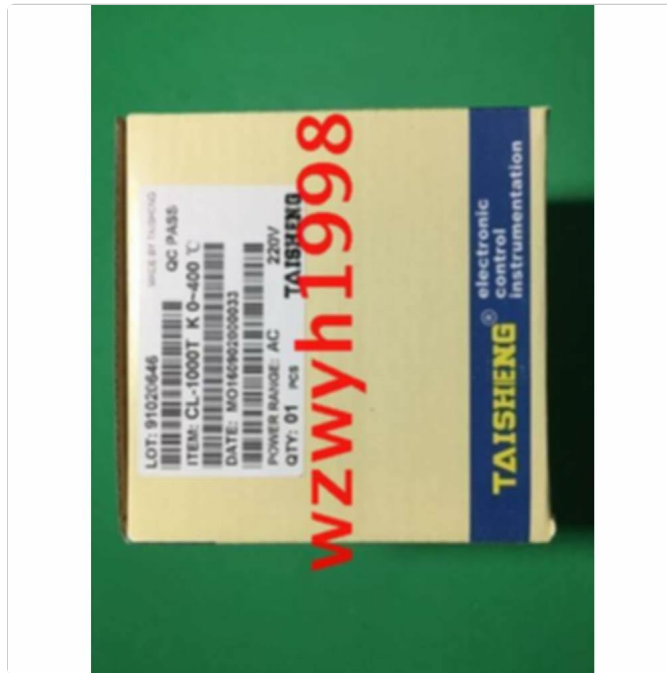


Figure 3.3: Product packaging for the TAISHENG CL-1000T / CL-1000.

The product is supplied in a protective cardboard box, indicating key specifications such as item number (CL-1000T K 0-400°C), power range (AC 220V), and quantity (01 PCS).

4. SETUP AND INSTALLATION

Careful installation is crucial for the proper functioning and longevity of the temperature controller.

4.1 Mounting

The controller is designed for panel mounting. Ensure the cutout dimensions in your control panel match the device's specifications. Secure the controller using the provided mounting clips or screws to prevent movement during operation.

4.2 Wiring

Refer to the wiring diagram on the rear of the unit (Figure 3.2) for correct electrical connections. The main connections typically include:

- **Power Supply:** Connect to an AC 220V power source. Ensure proper grounding.
- **Sensor Input:** Connect the temperature sensor (e.g., K-type thermocouple) to the designated terminals. Observe polarity if applicable.
- **Output to Heating Element:** Connect the output terminals to your oven's heating element or a control relay.

Warning: All wiring must be performed by a qualified electrician in accordance with local electrical codes and regulations. Incorrect wiring can lead to electric shock, fire, or damage to the equipment.

5. OPERATING INSTRUCTIONS

Once installed and wired correctly, the TAISHENG temperature controller is straightforward to operate.

5.1 Powering On/Off

Apply power to the controller. The digital display will illuminate, showing the current temperature detected by the

sensor. The "ON" or "OFF" indicator will light up based on the heating element's status.

5.2 Setting the Desired Temperature

Rotate the large central dial to set your desired temperature. The red pointer on the dial indicates the setpoint. As you turn the dial, the controller will automatically adjust the heating element's operation to reach and maintain this set temperature.

The digital display will continuously show the actual temperature inside the oven.

5.3 Understanding Indicators

- **ON Indicator:** Illuminates when the heating element is active and receiving power to raise the temperature.
- **OFF Indicator:** Illuminates when the heating element is inactive, either because the setpoint has been reached or the system is cooling.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your temperature controller.

- **Cleaning:** Periodically wipe the front panel with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure no liquids enter the device.
- **Inspection:** Regularly check all wiring connections for tightness and signs of wear or corrosion. Ensure the ventilation slots on the side (see Figure 6.1) are clear of obstructions.
- **Environment:** Maintain a stable operating environment as described in the safety instructions.



Figure 6.1: Side view of the TAISHENG CL-1000T / CL-1000, highlighting ventilation slots.

The side of the controller features ventilation slots designed to dissipate heat and ensure proper internal temperature regulation. Keep these slots unobstructed.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power/Display off	No power supply; Loose wiring; Blown fuse (external)	Check power source; Verify all wiring connections; Check external fuse if applicable.
Incorrect temperature reading	Faulty sensor; Incorrect sensor type; Loose sensor connection	Check sensor for damage; Ensure correct sensor type (e.g., K-type thermocouple) is used; Re-secure sensor wiring.
Oven not heating	Heating element failure; Controller output issue; Setpoint too low	Check heating element continuity; Verify controller output wiring; Increase setpoint above current temperature.
Temperature overshoots/undershoots	Improper tuning (if applicable); External factors (drafts)	This model is a basic controller, precise tuning may not be available. Ensure stable environment.

If the problem persists after attempting these solutions, please contact customer support or a qualified technician.

8. SPECIFICATIONS

Key technical specifications for the TAISHENG CL-1000T / CL-1000 Oven Temperature Controller:

- **Model:** CL-1000T, CL-1000
- **Temperature Range:** 0-400°C (K-type thermocouple compatible)
- **Power Supply:** AC 220V
- **Output Type:** Relay output (specific current/voltage rating not provided, refer to device label)
- **Display:** 3-digit LED
- **Control Method:** On/Off control (implied by simple dial and indicators)
- **Manufacturer:** Generic (as per product listing)
- **ASIN:** B0FCDP9CXQ
- **First Available Date:** June 8, 2025




9. WARRANTY AND SUPPORT

For warranty information, please refer to the terms provided by your retailer or the manufacturer at the time of purchase. As a general guideline, most electronic devices come with a limited warranty against manufacturing defects.

For technical support, troubleshooting assistance beyond this manual, or inquiries regarding parts and service, please contact the seller or the manufacturer directly. Please have your product model number (CL-1000T / CL-1000) and ASIN (B0FCDP9CXQ) ready when contacting support.

Manufacturer: Generic



<p>Brugervejledning</p> <p>FKI Kogeudstyr Pølsekogere/vandbad (BainMarie) CL-serie</p>  <p>FKI Fast Food Teknik a/s</p>	<p>FKI Kogeudstyr Pølsekogere/Vandbad CL-serie Brugervejledning</p> <p>Brugervejledning til FKI Pølsekogere og vandbade i CL-serien. Indeholder information om installation, drift, sikkerhed, rengøring og vedligeholdelse.</p>
<p>User manual</p> <p>FKI Cooking Equipment Sausage cookers (BainMarie) CL Series</p>  <p>FKI Fast Food Teknik a/s</p>	<p>FKI Sausage Cooker CL Series User Manual - Installation, Operation, and Maintenance</p> <p>Comprehensive user manual for FKI Fast Food Teknik's CL Series Sausage Cookers and Bain Maries. Covers installation, operation, safety, cleaning, maintenance, and technical specifications for commercial kitchen use.</p>
<p>VEVOR Upgrade · The Home Creator Way</p> <p>Pry Lever</p> <p>Model: CL-FZ41, CL-FZ60, CL-JAR, CL-J60, CL-J66, CL-MC200, CL-HL-8000, CL-HL-8000-2, CL-HL-8000-3, CL-HL-10000, CL-HL-10000-2</p>	<p>VEVOR Pry Lever User Manual and Specifications</p> <p>Comprehensive user manual and specifications for VEVOR Pry Levers. Learn about product features, parameters, usage, and maintenance for models like CL-FZ41, CL-HL11000-70, and more. Ideal for dismantling pallets, removing flooring, and pulling nails.</p>
<p>VIKING PRODUCT MANUAL</p> <p>CL Series</p>  <p>www.vikingclocks.com Information: 755-885-8851</p>	<p>Viking CL Series Wireless Analog and Digital Clocks Product Manual</p> <p>Comprehensive product manual for the Viking CL Series wireless analog and digital clocks. Covers CTG-2A master clock, CL-RFT transmitter/repeater, and various clock models, detailing features, applications, installation, operation, and troubleshooting for synchronized timekeeping in facilities.</p>
<p>VEVOR Affordable · Reliable · Home Improvement.</p> <p>Strapping Tools</p> <p>Model: CL-PET300, CL-PET450, CL-PP100, CL-PP1000, CL-BXG30, CL-GD180, CL-BXG60, CL-BXG120, CL-PET600</p>	<p>VEVOR Strapping Tools User Manual and Specifications</p> <p>Comprehensive guide for VEVOR strapping tools, including model specifications, instructions for use, safety precautions, and maintenance. Covers models like CL-PET300, CL-PET450, CL-PP100, CL-PP1000, CL-BXG30, CL-GD180, CL-BXG60, CL-BXG120, and CL-PET600.</p>
<p>VEVOR Upgrade · The Home Creator Way</p> <p>Pry Lever</p> <p>Model: CL-FZ41, CL-FZ60, CL-JAR, CL-J60, CL-J66, CL-MC200, CL-HL-8000, CL-HL-8000-2, CL-HL-8000-3, CL-HL-10000, CL-HL-10000-2</p>	<p>VEVOR Pry Lever User Manual and Specifications</p> <p>Comprehensive guide for VEVOR Pry Levers, detailing product specifications, features, usage instructions, and maintenance for models CL-FZ41 through CL-HL6600-70.</p>