ThermoMate CHMB774C

ThermoMate 30-Inch Electric Cooktop User Manual

Model: CHMB774C
Brand: ThermoMate

1. Important Safety Instructions

Please read all instructions carefully before using your new ThermoMate electric cooktop. Retain this manual for future reference.

- **Electrical Safety:** This appliance must be properly grounded. Ensure the electrical supply matches the cooktop's requirements (240V, 7300W). Installation should be performed by a qualified electrician.
- **Burn Hazard:** Cooktop surfaces remain hot after use. Use the hot surface indicator as a guide. Do not touch hot surfaces.
- **Child Safety:** Activate the child safety lock to prevent accidental operation. Keep children away from the cooktop during and after use.
- **Overheating Protection:** The cooktop is equipped with over-heat protection. If the temperature becomes excessively high, the unit will automatically shut down.
- **Proper Cookware:** Use only flat-bottomed cookware appropriate for radiant electric cooktops.
- **Cleaning:** Always ensure the cooktop is cool and disconnected from power before cleaning.

2. Product Overview

The ThermoMate 30-inch electric cooktop features a sleek Schott glass-ceramic surface with four radiant burners, designed for efficient and safe cooking. It includes intuitive knob controls and multiple safety features.

Key Features:

- **Four Radiant Burners:** Includes a powerful dual-ring element (6" inner, 9" outer) for versatile cooking, alongside 2500W, 1800W, 1800W, and 1200W elements.
- **Knob Control:** Offers 9 precise power settings for each burner, from simmer to rapid boil.
- **Schott Glass-Ceramic Surface:** Durable and easy to clean, designed to withstand high temperatures.

- **Safety Features:** ETL certified, includes child safety lock, auto shutdown, high-temperature warning, over-heat protection, and hot surface indicator.
- **Integrated Timer:** Individual timers for each burner, adjustable from 1 to 99 minutes.

Cooktop Layout:

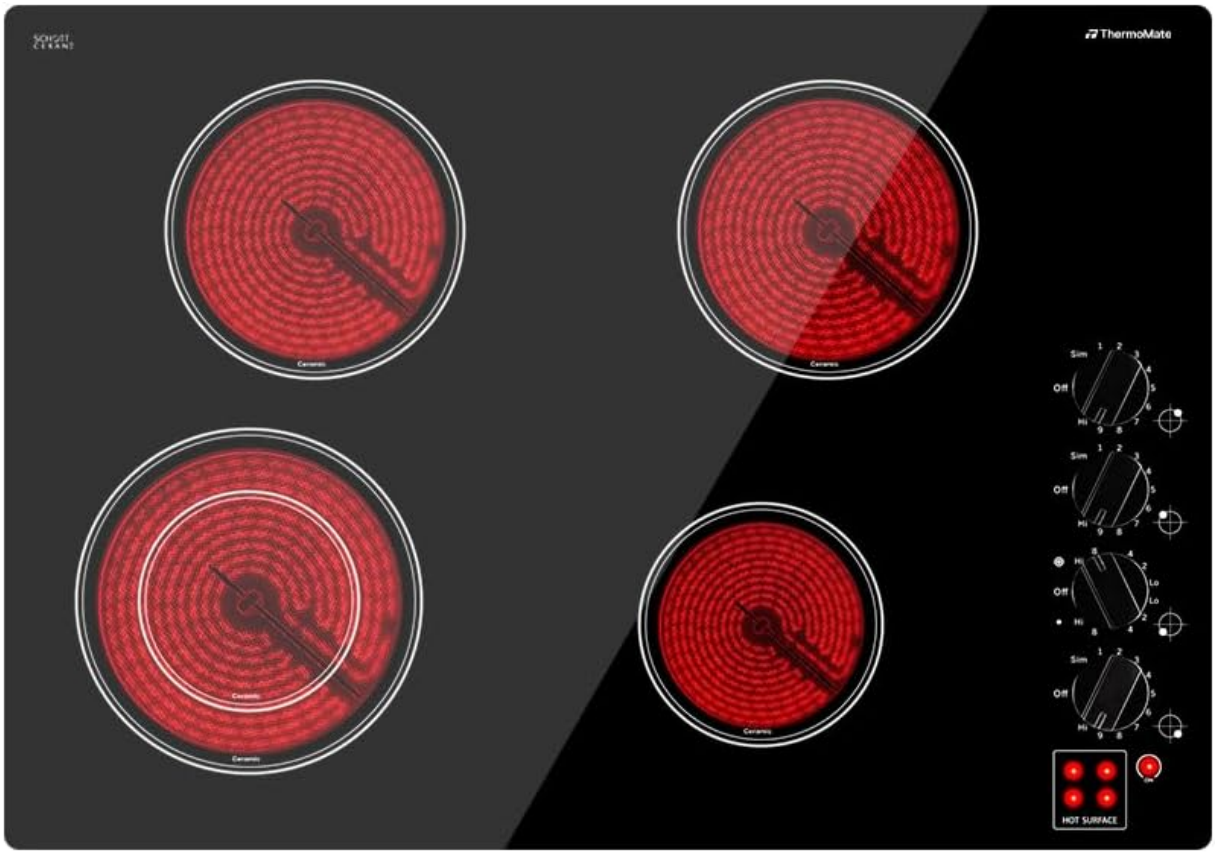


Figure 2.1: Top-down view of the ThermoMate electric cooktop, illustrating the four radiant cooking zones and the right-side knob controls.

3. Installation

Proper installation is crucial for the safe and efficient operation of your cooktop. It is recommended that a qualified electrician performs the installation.

Pre-Installation Checklist:

- **Power Supply:** Ensure a dedicated 240V electrical circuit is available.
- **Cutout Dimensions:** Verify your countertop cutout matches the required dimensions: 29.4" W x 20.4" D. The product size is 30.3" W x 21.3" D x 3.3" H.
- **Ventilation:** Ensure adequate ventilation space around and beneath the cooktop.
- **Level Surface:** The cooktop must be installed on a level and stable surface.

Wiring Diagram:

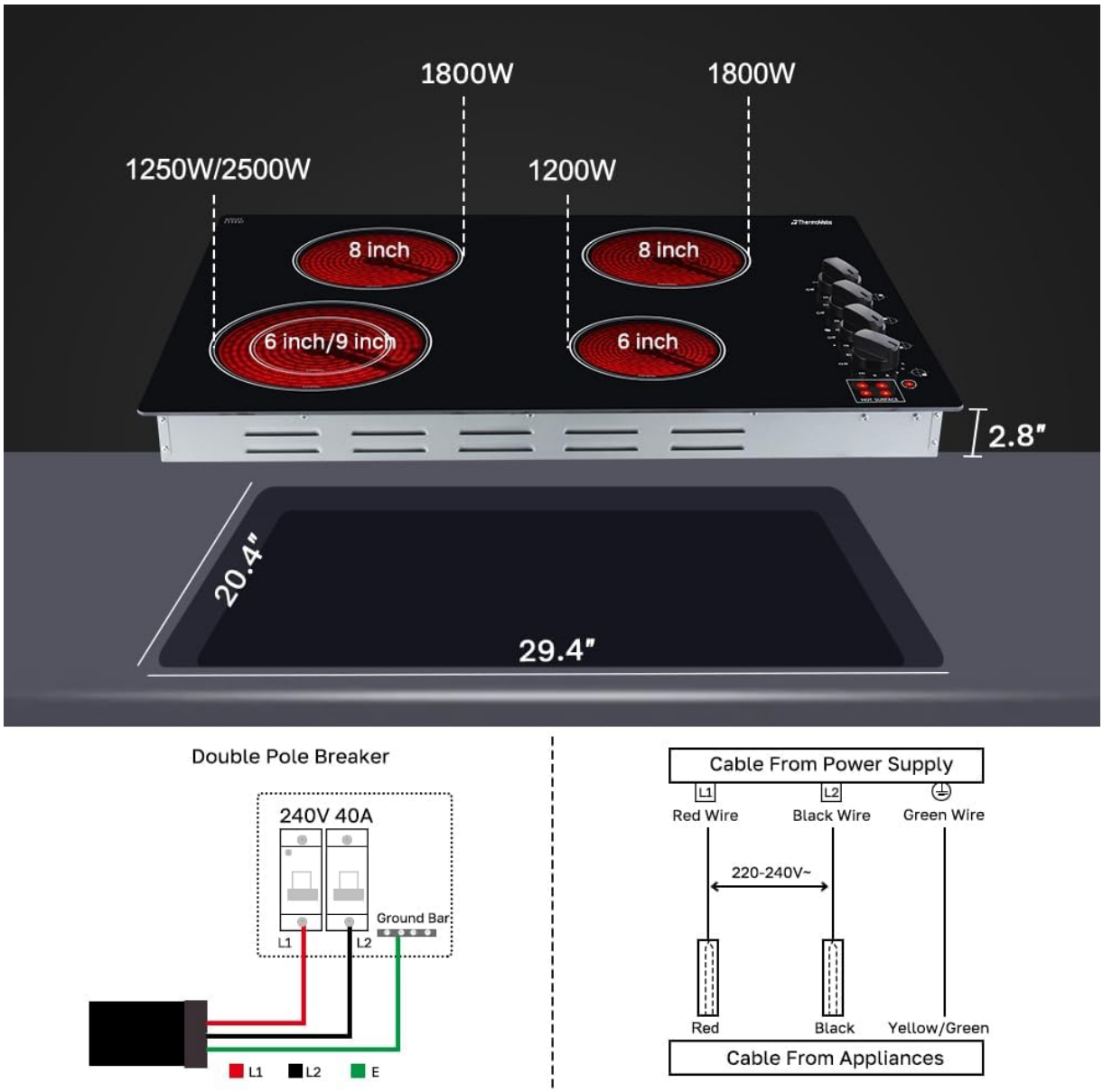


Figure 3.1: Detailed diagram illustrating the cooktop's dimensions and the necessary electrical wiring connections for a 240V hardwired setup. This includes connections to a double pole breaker with red, black, and green wires.

General Installation Steps:

1. Prepare the countertop cutout according to the specified dimensions.
2. Carefully lower the cooktop into the cutout, ensuring it sits level and flush.
3. Connect the electrical wiring to the main power supply as per the wiring diagram and local electrical codes.
4. Secure the cooktop using the provided brackets and screws to prevent movement.
5. Test all burners and functions to ensure proper operation before first use.

4. Operation

Your ThermoMate electric cooktop is designed for ease of use with precise knob controls.

Turning On/Off and Adjusting Heat:

- To activate a burner, push down and turn the corresponding knob to the desired heat setting (1-9).
- The cooktop offers 9 power settings, allowing for precise control from low simmer to high heat for rapid boiling.

- To turn off a burner, rotate the knob back to the 'Off' position.

Dual-Ring Radiant Element:

The cooktop features a dual-ring element that can be adjusted for different cookware sizes.



Figure 4.1: The powerful dual-ring element provides rapid heat, suitable for various pot and pan sizes.

Child Lock and Timer:

- **Child Lock:** To activate the child lock, press and hold the designated lock button (if available on your model) or follow specific instructions for knob-based locking. This prevents accidental activation.
- **Timer:** Each burner can be timed independently from 1 to 99 minutes. Refer to the control panel markings for timer activation and adjustment.

Hot Surface Indicator:



Figure 4.2: The hot surface indicator lights illuminate when a cooking zone is hot, even after being turned off, providing a visual safety warning.

Compatible Cookware:

This radiant electric cooktop is compatible with all flat-bottomed cookware, including aluminum, copper, glass, ceramic, cast iron, and non-magnetic stainless steel pans.



Figure 4.3: Examples of compatible cookware for the ThermoMate electric cooktop.

Demonstration Videos (Similar Models):

The following videos demonstrate features and operation of similar electric cooktops. While not the exact ThermoMate model, they provide useful visual guidance.

Video 4.1: Demonstration of a 30-inch electric cooktop with knob control, showing heating elements, child lock, and timer functions. (Note: This video features a Cooksir branded cooktop, which is a similar model.)

Video 4.2: Overview of a 30-inch electric cooktop with knob control, highlighting its features and ease of use. (Note: This video features a Pladeca branded cooktop, which is a similar model.)

Video 4.3: Features and operation of a 30-inch electric cooktop with 4 burners and knob control. (Note: This video features a Zarbaco branded cooktop, which is a similar model.)

Video 4.4: A brief look at the Jessier 30-inch electric cooktop, showcasing its design and heating elements. (Note: This video features a Jessier branded cooktop, which is a similar model.)

5. Cleaning and Maintenance

Maintaining your ThermoMate cooktop ensures its longevity and appearance. The Schott glass-ceramic surface is designed for easy cleaning.

Cleaning the Glass-Ceramic Surface:



Figure 5.1: The smooth Schott glass-ceramic surface is easy to clean with a soft cloth and appropriate cleaner.

- Allow the cooktop to cool completely before cleaning.
- Use a soft cloth or sponge with a mild detergent or a specialized ceramic cooktop cleaner.

- For stubborn stains, use a non-abrasive scraper designed for glass-ceramic surfaces.
- Wipe dry with a clean cloth to prevent water spots.
- Avoid abrasive cleaners, scouring pads, or harsh chemicals that can scratch or damage the surface.

6. Troubleshooting

If you encounter issues with your cooktop, refer to the following common troubleshooting tips:

- **Cooktop Not Turning On:** Check if the cooktop is properly connected to the power supply and if the circuit breaker has tripped. Ensure the child lock is not activated.
- **Burner Not Heating:** Verify the knob is turned to a heat setting (1-9) and not in the 'Off' position. Ensure the correct cookware is being used.
- **Hot Surface Indicator Remains On:** This is normal until the surface has cooled down sufficiently.
- **Error Codes:** If an error code appears on the display, consult the full product manual or contact customer support.

7. Specifications

Feature	Specification
Brand	ThermoMate
Model Number	CHMB774C
Installation Type	Drop-In
Burner Type	Radiant
Heating Elements	4
Control Type	Knob
Power (Total)	7300W (2500W + 1800W + 1800W + 1200W)
Voltage	240V
Product Dimensions	30.3" W x 21.3" D x 3.3" H
Cutout Dimensions	29.4" W x 20.4" D
Heater Surface Material	Glass Ceramic (SCHOTT CERAN)
Item Weight	37 pounds
Certifications	ETL Certified
Included Components	Electric Cooktop *1

8. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or contact ThermoMate customer service directly. Keep your purchase receipt and model number handy for faster assistance.

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