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## KALOR TECH AC829F

# KALOR TECH Wi-Fi Smart Thermostat User Manual

Model: AC829F

## 1. PRODUCT OVERVIEW

The KALOR TECH Wi-Fi Smart Thermostat (Model AC829F) is designed for electric baseboard heating systems operating on 120-240V. It features an LCD display, Wi-Fi connectivity, and compatibility with popular smart home platforms like Alexa, Google Home, Smart Life, and Tuya App. This thermostat provides precise temperature control and energy management for your home.



Image 1.1: Front view of the KALOR TECH Wi-Fi Smart Thermostat displaying temperature in Fahrenheit.

### Key Features:

- **App Remote Control:** Manage your heating system from anywhere using the Smart Life or Tuya App.
- **Voice Assistant Compatibility:** Control your thermostat with voice commands via Alexa or Google Assistant.
- **Programmable Settings:** Schedule heating cycles for optimal comfort and energy savings.
- **LCD Display:** Clear display shows current temperature, target temperature, time, and Wi-Fi connectivity status.

- **Fahrenheit/Celsius Display:** Supports both Fahrenheit (USA) and Celsius (Canada) temperature units.
- **Proprietary Wall Plate:** Includes a custom-designed wall plate for standard American and Canadian electrical boxes.
- **Child-Lock Capable:** Prevents unauthorized changes to settings.

## 2. SAFETY INFORMATION

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Please read all safety warnings and installation instructions carefully before installing or operating this thermostat. Failure to follow these instructions may result in electric shock, fire, or property damage.

- **Electrical Compatibility:** This thermostat is designed for **120-240V electric baseboard heating systems ONLY**. It is NOT compatible with 24V central heating systems or single pole systems.
- **Professional Installation Recommended:** If you are unsure about electrical wiring, consult a qualified electrician.
- **Power Disconnection:** Always turn off power at the circuit breaker before installing or performing any maintenance on the thermostat.
- **Wi-Fi Network:** Requires access to a **2.4 MHz Wi-Fi network** for installation and smart features. It is not compatible with 5 GHz networks.
- **Indoor Use Only:** This device is intended for indoor use in dry locations.

## 3. WHAT'S IN THE BOX

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Verify that all components are present before beginning installation:

- Digital Wi-Fi Thermostat (Model AC829F)
- Custom Wall Plate
- Installation Wires (Pigtail electrical wires)
- Mounting Screws
- Large-Print Instructions (This manual)

## 4. SETUP AND INSTALLATION

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Follow these steps for proper installation of your KALOR TECH Smart Thermostat. Ensure power is OFF at the circuit breaker before proceeding.

1. **Turn Off Power:** Locate the circuit breaker controlling your electric baseboard heater and turn off the power. Verify power is off using a voltage tester.
2. **Remove Old Thermostat:** Carefully remove your existing thermostat from the wall. Disconnect the wires, noting their connections if necessary.
3. **Mount Wall Plate:** Secure the custom wall plate to your electrical box using the provided mounting screws. Ensure it is level and flush with the wall.
4. **Wire the Thermostat:** Connect the pigtail electrical wires from the thermostat to your home's electrical wiring. This thermostat is designed for 120-240V systems. Ensure all connections are secure and insulated.
5. **Attach Thermostat to Wall Plate:** Align the thermostat with the mounted wall plate and gently push it into place until it clicks securely.
6. **Restore Power:** Turn the power back on at the circuit breaker. The thermostat display should illuminate.
7. **Initial Setup:** Follow the on-screen prompts for initial setup, including time and date.
8. **Connect to Wi-Fi:**

- Download the "Smart Life" or "Tuya App" from your smartphone's app store.
- Register or log in to your account.
- Add a new device (usually by tapping the "+" icon). Select "Thermostat" or "Heater".
- Follow the in-app instructions to connect your thermostat to your 2.4 MHz Wi-Fi network. This may involve putting the thermostat into pairing mode (refer to the thermostat's display for specific instructions, often indicated by a blinking Wi-Fi icon).

## 5. OPERATING INSTRUCTIONS

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### 5.1. Manual Operation

The thermostat features a clear LCD display and touch controls for direct operation.

- **Power Button:** Located at the top right, press to turn the thermostat On/Off.
- **Temperature Adjustment:** Use the "+" and "-" buttons (bottom right) to increase or decrease the target temperature.
- **Mode Button (M):** Located at the bottom left, press to cycle through operating modes (e.g., Manual, Program).
- **Clock Button:** Located at the bottom left, press to adjust time settings.
- **Display Information:** The LCD shows current room temperature, set target temperature, time, and Wi-Fi status.



Image 5.1: The thermostat displaying temperature in Celsius, indicating its dual unit capability.

### 5.2. App Control (Smart Life / Tuya App)

Once connected to Wi-Fi, you can control your thermostat remotely via the Smart Life or Tuya App.

- **Remote Temperature Adjustment:** Change the target temperature from anywhere.
- **Scheduling:** Create custom heating schedules for different days and times to optimize energy usage.
- **Mode Selection:** Switch between manual and programmed modes.
- **Child Lock:** Enable or disable the child lock feature to prevent accidental changes.

- **Temperature Unit:** Adjust the display unit between Fahrenheit and Celsius within the app settings.



Image 5.2: The thermostat integrated with Google Assistant and Alexa devices, demonstrating app control via a smartphone.

### 5.3. Voice Control (Alexa / Google Home)

Integrate your thermostat with Amazon Alexa or Google Home for convenient voice control.

1. **Link Account:** In your Alexa or Google Home app, enable the "Smart Life" or "Tuya Smart" skill/action. Link your Smart Life/Tuya account to your voice assistant account.
2. **Discover Devices:** Ask your voice assistant to "Discover devices" or manually initiate discovery in the app.
3. **Voice Commands:** Once discovered, you can use commands such as:
  - "Alexa, set [Thermostat Name] to 72 degrees."
  - "Hey Google, what's the temperature in [Room Name]?"
  - "Alexa, turn on [Thermostat Name]."
  - "Hey Google, lower the temperature in [Room Name] by 2 degrees."

## 6. MAINTENANCE

The KALOR TECH Smart Thermostat requires minimal maintenance to ensure optimal performance.

- **Cleaning:** Wipe the thermostat's display and casing with a soft, damp cloth. Do not use abrasive cleaners, solvents,

or spray cleaners directly on the unit.

- **Dusting:** Periodically dust the vents on the thermostat to prevent accumulation that could affect temperature sensing.
- **Software Updates:** Ensure your Smart Life/Tuya App is up to date to receive the latest features and performance improvements. Firmware updates for the thermostat may also be pushed through the app.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Thermostat not powering on.	No power from circuit breaker; incorrect wiring.	Check circuit breaker and ensure it is ON. Verify wiring connections are secure and correct (120-240V).
Cannot connect to Wi-Fi.	Incorrect Wi-Fi password; 5 GHz network; thermostat not in pairing mode; weak signal.	Ensure correct 2.4 MHz Wi-Fi network and password. Put thermostat into pairing mode (blinking Wi-Fi icon). Move thermostat closer to router if signal is weak.
Temperature reading seems inaccurate.	Sensor obstruction; calibration needed.	Ensure no objects are blocking the thermostat's vents. Check the app for a temperature calibration setting (offset adjustment) and adjust if available.
Display goes dark quickly.	Default display timeout setting.	This is a normal power-saving feature. The display will illuminate when touched or interacted with. There may be a setting in the app to adjust display brightness or timeout, if available.
Voice control not working.	Account not linked; device not discovered; incorrect commands.	Ensure Smart Life/Tuya skill/action is enabled and linked in your Alexa/Google Home app. Ask voice assistant to "Discover devices." Use correct voice commands as listed in section 5.3.

## 8. SPECIFICATIONS

Brand	KALOR TECH
Model Name	AC829F
Voltage	120-240V
Power Source	Corded Electric
Connectivity Technology	Hard-wired, Wireless (Wi-Fi 2.4 MHz)
Controller Type	Hand Control, IFTTT, Google Assistant, Amazon Alexa
Display Type	LCD
Temperature Control Type	Heating in Fahrenheit/Celsius
Mounting Type	Wall Mount
Item Weight	0.5 Pounds (approx. 8 ounces)

Color	White
Manufacturer	Dorado Services, LLC

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please contact the manufacturer, Dorado Services, LLC, or refer to the product's official website. Keep your purchase receipt as proof of purchase.

**Note:** No official product videos from the seller were available for embedding in this manual.