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› CEMELI Tuya WiFi Smart Thermostat K6H-WIFI-16A User Manual

CEMELI K6H-WIFI-16A

CEMELI Tuya WiFi Smart Thermostat K6H-WIFI-16A User Manual

Model: K6H-WIFI-16A | Brand: CEMELI

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CEMELI Tuya WiFi Smart Thermostat (Model: K6H-WIFI-16A). This advanced thermostat is designed for controlling electric floor heating systems, as well as water and gas boilers. It features Wi-Fi connectivity for remote control via the Smart Life app and voice control compatibility with Google Home and Amazon Alexa.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Please read all safety instructions before installation.

- Always disconnect power at the circuit breaker before installing or servicing the thermostat.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Do not install the thermostat with wet hands or when standing on wet or damp surfaces.
- Ensure all wiring connections are secure and properly insulated.
- This device is for indoor use only.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x CEMELI Tuya WiFi Smart Thermostat
- 1 x Sensor Probe (included only with 16A electric underfloor heating models)
- 2 x Mounting Screws
- 1 x User Manual

4. PRODUCT OVERVIEW

The CEMELI Smart Thermostat features a sleek design with a clear LCD touch display for easy interaction and monitoring of your heating system.



Figure 4.1: Front view of the CEMELI Smart Thermostat display, showing current temperature, time, and various status icons.

The display provides real-time information including current room temperature, set temperature, time, day of the week, Wi-Fi status, heating mode, and other operational indicators. Touch buttons below the display allow for direct control.



Figure 4.2: Side view of the CEMELI Smart Thermostat, illustrating its slim profile and mounting mechanism.

5. INSTALLATION GUIDE

Proper installation is crucial for the safe and efficient operation of your thermostat. It is recommended to have a qualified electrician perform the installation.

5.1 Wiring Diagram (General)

While specific wiring diagrams may vary, the general connections are as follows:

- **L (Live):** Connect to the live wire from your power supply.
- **N (Neutral):** Connect to the neutral wire from your power supply.
- **Load (Heating Element/Boiler):** Connect to your heating system's live and neutral inputs.
- **Sensor (NTC):** Connect the external floor sensor wires (for 16A electric floor heating models).

Always refer to the specific wiring diagram provided with your product packaging for precise connections, as

diagrams can vary based on the heating system type (16A electric floor heating vs. 3A water/gas boiler).

5.2 Installation Steps

1. **Power Off:** Ensure the main power supply to your heating system is turned off at the circuit breaker.
2. **Mounting:** Carefully remove the front panel of the thermostat. Mount the backplate to a standard electrical wall box using the provided screws.
3. **Wiring:** Connect the electrical wires according to the wiring diagram for your specific heating system. Ensure all connections are tight and secure.
4. **Sensor Connection:** If applicable (16A models), connect the external floor sensor wires to the designated terminals.
5. **Attach Front Panel:** Carefully reattach the front panel of the thermostat to the mounted backplate.
6. **Power On:** Restore power at the circuit breaker. The thermostat display should light up.

6. OPERATING INSTRUCTIONS

Familiarize yourself with the basic functions of your smart thermostat.

6.1 Power On/Off

Press the **Power** button (usually represented by a circle with a vertical line) on the display to turn the thermostat on or off.

6.2 Temperature Adjustment

Use the **Up** (▲) and **Down** (▼) arrow buttons on the display to adjust the desired set temperature.

6.3 Mode Selection

Press the **Mode** button (often represented by a clock or flame icon) to cycle through available operating modes, such as Manual, Automatic (Programmed), or Temporary Hold.

6.4 Wi-Fi Connection and App Control

1. **Download App:** Download the 'Smart Life' app from the App Store (iOS) or Google Play Store (Android).
2. **Register/Login:** Create an account or log in to your existing Smart Life account.
3. **Add Device:** In the app, tap '+' to add a new device. Select 'Small Home Appliances' > 'Thermostat'.
4. **Pairing Mode:** On the thermostat, press and hold the Wi-Fi icon or a designated pairing button until the Wi-Fi indicator on the display starts blinking rapidly.
5. **Connect:** Follow the on-screen instructions in the Smart Life app to connect the thermostat to your 2.4GHz Wi-Fi network.
6. **Control:** Once connected, you can control the thermostat remotely, set schedules, and monitor temperature via the app.

6.5 Voice Control Integration

To enable voice control with Google Home or Amazon Alexa:

1. Ensure your thermostat is successfully connected to the Smart Life app.
2. Open the Google Home or Amazon Alexa app.
3. Go to 'Add device' or 'Skills & Games' and search for 'Smart Life'.
4. Link your Smart Life account with Google Home/Alexa.
5. Discover devices. Your thermostat should now be controllable by voice commands (e.g., "Alexa, set thermostat to 22 degrees").

7. PROGRAMMING AND SCHEDULING

The thermostat supports programmable schedules to optimize energy usage and comfort. Schedules are typically set and managed through the Smart Life mobile application. You can define different temperature settings for various times of the day and days of the week.

8. MAINTENANCE

Your CEMELI Smart Thermostat requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Gently wipe the display and casing with a soft, dry cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the surface.
- **Avoid Obstructions:** Ensure the thermostat's internal temperature sensor (if applicable) is not obstructed by furniture, curtains, or other objects that could affect accurate temperature readings.
- **Firmware Updates:** Periodically check the Smart Life app for any available firmware updates for your thermostat to ensure optimal performance and access to new features.

9. TROUBLESHOOTING COMMON ISSUES

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

- **No Power/Display Off:**
 - Check the circuit breaker to ensure power is supplied to the thermostat.
 - Verify all wiring connections are secure.
- **Heating Not Working:**
 - Ensure the thermostat is in heating mode and the set temperature is higher than the current room temperature.
 - Check the heating system (boiler/floor heating) for any faults.
 - Verify wiring to the heating load.
- **Wi-Fi Disconnected:**
 - Ensure your Wi-Fi router is working and within range.
 - Check if the Wi-Fi network name or password has changed.
 - Try restarting the thermostat and your Wi-Fi router.
 - Re-pair the thermostat with the Smart Life app if necessary.
- **Inaccurate Temperature Reading:**
 - Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources.
 - For floor heating, ensure the external sensor is correctly installed and functioning.
- **Voice Control Not Responding:**
 - Confirm the thermostat is connected to the Smart Life app.
 - Verify the Smart Life skill/service is linked and enabled in your Google Home/Alexa app.
 - Ensure your voice assistant device is online and responding to other commands.

For issues not covered here, please contact customer support.

10. TECHNICAL SPECIFICATIONS

Parameter	Value
Model	K6H-WIFI-16A
Display	LCD

Power Supply	95-240VAC, 50/60Hz
Default Temperature Range	5~60°C (adjustable)
Material	PC+ABS (Flame Retardant)
Temperature Accuracy	±1°C
Sensor	NTC
Dimension	86*86*40mm
Output Power	16A (Electric Floor Heating) / 3A (Water/Gas Boiler)
Power Consumption	<1W
Smartphone OS	Android/iOS
Mobile App	Smart Life
Control Type	Touch
Connectivity Protocol	Wi-Fi (2.4GHz)
Voice Control	Amazon Alexa, Google Home

11. WARRANTY AND CUSTOMER SUPPORT

CEMELI products are designed for reliability and performance. This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact CEMELI customer support.

If you require technical assistance, have questions about installation, or need to report a fault, please contact your retailer or the CEMELI customer support team. Please have your product model number (K6H-WIFI-16A) and purchase details ready when contacting support.

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