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> [MINCO M4A Tuya WiFi Smart Thermostat User Manual \(Gas Boiler 3A H\)](#)

MINCO M4A Gas Boiler 3A H

MINCO M4A Tuya WiFi Smart Thermostat User Manual

Model: M4A Gas Boiler 3A H

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MINCO M4A Tuya WiFi Smart Thermostat. This device is designed to control gas boiler heating systems, offering precise temperature management and smart home integration via Tuya WiFi connectivity. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

2. SAFETY INFORMATION

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with local electrical codes. Always disconnect power before installation or maintenance.
- **Voltage:** Ensure the thermostat's voltage rating matches your power supply (AC100-240V).
- **Environment:** Do not install the thermostat in areas with high humidity, direct sunlight, or extreme temperatures.
- **Children:** Keep the device out of reach of children.
- **Intended Use:** This thermostat is designed for controlling gas boiler heating systems only. Do not use it for other applications.

3. PRODUCT OVERVIEW

The MINCO M4A Smart Thermostat provides intelligent control over your heating system. It features a clear display, touch controls, and WiFi connectivity for remote management via the Tuya Smart app.

3.1 Key Features

- **Smart Control:** Remote control via mobile app (Tuya Smart).
- **Voice Linkage:** Compatible with voice assistants for hands-free operation.
- **Programmable:** Time-sharing programming for energy saving.
- **Energy Consumption Statistics:** Monitor and manage energy usage.

- **Easy Installation:** Single fire wire power supply, no complex wiring for certain setups.

3.2 Thermostat Components



Image showing both white and black versions of the MINCO M4A thermostat alongside a smartphone displaying the Tuya Smart app interface. This illustrates the device's appearance and its remote control capability.



Angled view of the black MINCO M4A Smart Thermostat, highlighting its sleek design and digital display showing current temperature (26.6°C) and set temperature (16.5°C).



Angled view of the white MINCO M4A Smart Thermostat, showcasing its clean aesthetic and digital display with temperature readings.

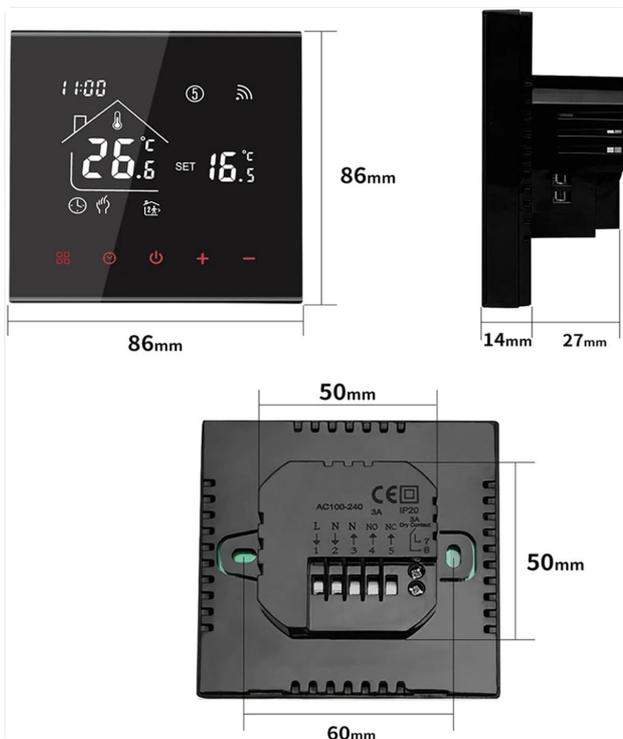
The thermostat features a large LCD display for clear temperature readings and settings, along with intuitive touch buttons for control. The WiFi icon indicates connectivity status, and various mode icons show the current operating state.

4. SETUP

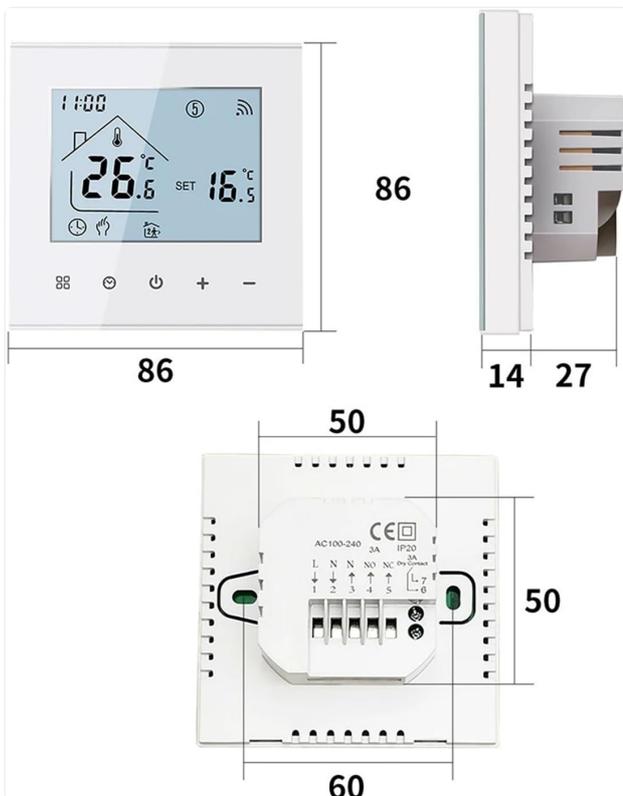
4.1 Electrical Installation

WARNING: Disconnect all power to the heating system at the main circuit breaker before beginning installation. Failure to do so may result in electrical shock or equipment damage.

1. **Mounting:** Choose a suitable location on an interior wall, away from drafts, direct sunlight, and heat sources. The recommended installation height is approximately 1.5 meters (5 feet) from the floor.
2. **Wiring:** Refer to the wiring diagrams below for proper connection. Ensure all connections are secure. This model is designed for gas boiler systems.
3. **Secure the Thermostat:** Mount the thermostat base to the wall using screws. Connect the display unit to the base.
4. **Restore Power:** Once installation is complete and all connections are verified, restore power to the heating system.



Detailed diagram showing the dimensions (86mm x 86mm front, 14mm depth, 27mm back box depth) and wiring terminals for the black MINCO M4A thermostat. The wiring diagram indicates connections for AC100-240V power (L, N) and boiler control (NO, NC, L7, L8).



Detailed diagram showing the dimensions (86mm x 86mm front, 14mm depth, 27mm back box depth) and wiring terminals for the white MINCO M4A thermostat. The wiring diagram indicates connections for AC100-240V power (L, N) and boiler control (NO, NC, L7, L8).

Wiring Terminal Legend:

- **L:** Live Wire (AC100-240V)
- **N:** Neutral Wire (AC100-240V)
- **NO:** Normally Open (Boiler Control)
- **NC:** Normally Closed (Boiler Control)
- **L7, L8:** Auxiliary connections (refer to specific boiler manual if applicable)

4.2 App Pairing (Tuya Smart)

1. **Download App:** Download the "Tuya Smart" or "Smart Life" app from your smartphone's app store (iOS or Android).
2. **Register/Login:** Create an account or log in to your existing account.
3. **Add Device:** In the app, tap the "+" icon to add a new device. Select "Small Home Appliances" > "Thermostat" or search for "Thermostat".
4. **Enter Pairing Mode:** On the thermostat, press and hold the WiFi icon or a designated button (refer to on-screen instructions if available) until the WiFi indicator on the thermostat starts blinking rapidly.
5. **Connect to WiFi:** Follow the in-app instructions to connect the thermostat to your 2.4GHz WiFi network. Ensure your phone is also connected to the same 2.4GHz network during pairing.
6. **Device Added:** Once successfully paired, the app will confirm the device has been added. You can then rename the thermostat for easy identification.

5. OPERATION

5.1 Basic Controls

- **Power On/Off:** Press the power button () to turn the thermostat on or off.
- **Temperature Adjustment:** Use the "+" and "-" buttons to increase or decrease the desired set temperature. The display will show both the current room temperature and the set temperature.
- **Mode Selection:** Press the mode button (often represented by a fan or gear icon) to cycle through available modes (e.g., Manual, Auto/Program).

5.2 Advanced Features (via Tuya Smart App)

- **Remote Control:** Adjust temperature, change modes, and power on/off from anywhere using the Tuya Smart app.
- **Scheduling:** Set up daily or weekly heating schedules to automatically adjust temperatures based on your routine, optimizing comfort and energy savings.
- **Voice Control:** Integrate with Amazon Alexa or Google Assistant for voice commands (e.g., "Alexa, set living room thermostat to 22 degrees").
- **Scene Automation:** Create smart scenes within the Tuya app to automate thermostat behavior based on other smart devices or conditions (e.g., "Turn on heating when outdoor temperature drops below 10°C").
- **Energy Monitoring:** View historical energy consumption data to identify patterns and further optimize usage.

6. MAINTENANCE

- **Cleaning:** Wipe the thermostat's display and casing with a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray directly onto the device.
- **No User Serviceable Parts:** The thermostat contains no user-serviceable parts. Do not attempt to open or repair the device yourself.

- **Software Updates:** Ensure your Tuya Smart app and thermostat firmware are kept up-to-date for optimal performance and security. Updates are typically managed through the app.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermostat not powering on.	No power supply; incorrect wiring.	Check circuit breaker. Verify wiring connections (L, N) are correct and secure. Consult a qualified electrician if unsure.
Heating system not responding.	Incorrect wiring to boiler; thermostat in wrong mode; boiler issue.	Ensure boiler control wires (NO, NC) are correctly connected. Check thermostat mode (e.g., Manual, Auto). Verify boiler is operational.
Cannot connect to WiFi.	Incorrect WiFi password; 5GHz network; thermostat too far from router; pairing mode not active.	Ensure correct 2.4GHz WiFi network and password. Move thermostat closer to router. Re-enter pairing mode on thermostat.
Inaccurate temperature reading.	Thermostat exposed to drafts or heat sources.	Relocate thermostat if possible. Ensure no external factors are influencing the sensor.
App control not working.	Thermostat offline; app issues; internet connectivity problems.	Check if thermostat WiFi icon is solid. Restart app. Check home internet connection.

8. SPECIFICATIONS

- **Model:** M4A Gas Boiler 3A H
- **Power Supply:** AC100-240V
- **Current Load:** 3A (for Gas Boiler)
- **Connectivity:** Wi-Fi (2.4GHz)
- **Temperature Sensor:** NTC
- **Temperature Accuracy:** $\pm 0.5^{\circ}\text{C}$
- **Set-point Range:** 5-35 $^{\circ}\text{C}$
- **Dimensions:** 86mm x 86mm x 14mm (front panel)
- **Installation:** Wall-mounted (standard 60mm back box)
- **Item Weight:** 1.76 ounces (approx. 50g)
- **Manufacturer:** Tang Xiaoli Electronic Commerce Shenzhen

9. WARRANTY & SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact your retailer. For technical support, troubleshooting assistance, or inquiries regarding your MINCO M4A Smart Thermostat, please contact the seller or manufacturer directly.

Manufacturer: Tang Xiaoli Electronic Commerce Shenzhen



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