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Fafeicy MH1822D

Fafeicy Programmable Digital Touchscreen Floor Heating Thermostat User Manual

Model: MH1822D

Brand: Fafeicy

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Fafeicy Programmable Digital Touchscreen Floor Heating Thermostat (Model MH1822D). This smart thermostat is designed to control electric floor heating devices, ensuring precise temperature management and energy efficiency in your home. It features a built-in sensor for indoor temperature and an external probe for accurate floor or heating equipment temperature measurement, preventing overheating.



Image: Fafeicy MH1822D thermostat seamlessly integrated into a modern living room environment.

2. Safety Information

- Always turn off power at the main circuit breaker before installing or servicing the thermostat.
- Installation should be performed by a qualified electrician if you are unsure about electrical wiring.
- Ensure all wiring connections are secure to prevent short circuits or electrical hazards.
- Do not expose the thermostat to water or excessive humidity.
- Install the thermostat in a location where the surrounding air flows freely and is not affected by direct sunlight, drafts, or other heat sources.

3. Package Contents

- Fafeicy Programmable Digital Thermostat (MH1822D)
- External Temperature Probe
- Mounting Screws (2)
- User Manual (this document)



Image: All components included in the Fafeicy MH1822D thermostat package.

4. Setup & Installation

4.1 Pre-Installation Checks

- **Turn Off Power:** Locate your main circuit breaker or the switch controlling your HVAC system and turn off the power. Verify that the power is off before proceeding.
- **Identify Existing Wiring:** Carefully remove the front cover of your old thermostat. Take a clear photo of the wiring connections for reference. Label each wire with its corresponding terminal designation (e.g., R, G, Y, W, C).
- **Remove Old Thermostat:** Disconnect the wires from the old thermostat and remove its wall plate.

4.2 Mounting the Wall Plate

1. Position the new thermostat's wall plate against the wall where the old thermostat was located.
2. Use the provided mounting screws to secure the wall plate to the wall. Ensure it is level for proper aesthetic and functional alignment.



Image: Step-by-step diagram illustrating the installation process of the thermostat.

4.3 Wiring Connections

Connect the labeled wires from your HVAC system to the corresponding terminals on the new thermostat's wall plate. Refer to your previously taken photo and the labels. The terminals are typically marked R, G, C, Y, W.

- **R:** Power (24V AC)
- **G:** Fan
- **C:** Common (for continuous power to the thermostat)
- **Y:** Cooling
- **W:** Heating

Connect the external temperature probe to its designated terminals if you are using it for floor temperature control.

4.4 Attaching the Thermostat

Once all wires are securely connected to the wall plate, carefully align the thermostat unit with the wall plate and gently push it into place until it clicks securely.

4.5 Power On

Turn the power back on at the main circuit breaker. The thermostat display should light up, indicating it is receiving power.

4.6 HVAC System Type Selection

The thermostat supports various HVAC system types. Ensure the correct type is selected for optimal performance. This model is designed for electric floor heating devices.

Video: A short demonstration of the touchscreen thermostat's display and basic functionality.

5. Operating Instructions

5.1 Basic Controls (Touchscreen)

The thermostat features a responsive touchscreen interface. The main display shows the current room temperature, set temperature, time, and various status icons.

- **Temperature Adjustment:** Use the up (∧) and down (∨) arrows on the touchscreen to increase or decrease the desired temperature.
- **Mode Selection:** Press the 'M' (Mode) button to cycle through available operating modes: Heat, Cool, and Off.
- **Clock/Time Setting:** Press the clock icon to enter time setting mode.



Image: Detailed view of the thermostat's digital display.

5.2 Programming Mode

To enter programming mode:

1. In the shutdown state, press and hold the 'M' (Mode) key and the clock key simultaneously for 5 seconds.
2. You can switch between parameters (hour, minute, temperature) using the 'M' key.
3. Use the up (∧) and down (∨) arrows to adjust the values for each parameter.
4. Press the 'M' key again to confirm and move to the next setting, or exit programming mode.

5.3 Manual Mode vs. Automatic Mode

- **Manual Mode:** Allows users to freely set the desired temperature without adhering to a schedule. This mode is convenient for temporary adjustments.
- **Automatic Mode:** Controls heating based on user-defined time periods and temperature settings. This mode optimizes energy usage according to your daily routine.

5.4 External Probe Functionality

The external probe provides accurate floor temperature readings. This feature is crucial for controlling high temperatures and preventing the heating device from burning due to excessive heat, ensuring safety and longevity of your floor heating system.

6. Smart Features & App Control

The Fafeicy MH1822D thermostat offers smart features for enhanced control and convenience.

- **Wi-Fi Connectivity:** Connect your thermostat to your home Wi-Fi network to enable remote control via a dedicated smartphone application.
- **Voice Assistant Compatibility:** The thermostat can be integrated with popular voice assistants such as Amazon Alexa and Google Home, allowing for hands-free temperature adjustments.

Video: An overview of the smart thermostat's programmable features and app control.

7. Maintenance

- **Cleaning:** Gently wipe the touchscreen and exterior of the thermostat with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- **Sensor Maintenance:** Ensure the external temperature probe is free from dust and debris for accurate readings.

8. Troubleshooting

- **No Power/Blank Display:** Check the circuit breaker to ensure power is supplied to the thermostat. Verify all wiring connections are secure.
- **Incorrect Temperature Reading:** Ensure the external probe is correctly installed and free from obstructions. Calibrate the thermostat if necessary (refer to app settings or advanced programming).
- **Wi-Fi Disconnection:** Check your home Wi-Fi network status. Reconnect the thermostat to the Wi-Fi network via the smartphone app if needed.
- **Heating/Cooling Not Activating:** Verify the thermostat is in the correct operating mode (Heat/Cool). Check the set temperature against the current room temperature.

For persistent issues, contact Fafeicy customer support.

9. Specifications

- **Brand:** Fafeicy
- **Model Name:** Fafeicyi42pu8rtw1
- **Item Model Number:** MH1822D
- **Controller Type:** Touch
- **Special Feature:** High Temperature Control, Accurate Detection
- **Color:** Black
- **Temperature Control Type:** Programmable
- **Power Source:** Corded Electric
- **Voltage:** 2.5E+2 Volts (AC)
- **Display Type:** Touch Screen
- **Control Method:** Touch
- **Mounting Type:** Wall Mount
- **Item Weight:** 9.5 ounces
- **Package Dimensions:** 4.06 x 3.98 x 2.17 inches

10. Warranty & Support

For warranty information and customer support, please refer to the official Fafeicy website or contact your retailer. Keep your purchase receipt as proof of purchase.

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