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Fafeicy K6RH3A

Fafeicy K6RH3A Smart Floor Heat Thermostat User Manual

Model: K6RH3A

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Fafeicy K6RH3A Smart Floor Heat Thermostat. This device is designed for precise temperature control of electric floor heating systems in various environments, including residential and commercial settings. The thermostat features a flame-retardant PC shell for durability and an LCD display for clear readability and easy operation.

2. Important Safety Information

- Installation must be performed by a qualified electrician in accordance with local electrical codes.
- Disconnect power at the circuit breaker before installing or servicing the thermostat.
- Do not expose the thermostat to water or excessive moisture.
- Ensure all wiring connections are secure to prevent electrical hazards.
- This thermostat is designed for electric floor heating systems only. Do not use it for other heating types unless specified.

3. Package Contents

Verify that all items are present in the package:

- 1 x Fafeicy K6RH3A Smart Floor Heat Thermostat
- 1 x User Manual (this document)
- 2 x Mounting Screws



Figure 3.1: Fafeicy K6RH3A Smart Floor Heat Thermostat with included mounting screws.

4. Specifications

Feature	Detail
Model	K6RH3A
IP Rating	IP20
Material	Flame retardant PC

Feature	Detail
Temperature Sensor	Internal (and external, typically for floor heating)
Temperature Accuracy	±1°C
Display	LCD
Operating Temperature	-5°C to 50°C
Power Consumption	<1W
Temperature Setting Range	5°C to 60°C
Display Range	0°C to 50°C
Input Voltage	AC 90-240V
Maximum Load	3A
Control Mode	Smart timing, touch control, programming time period control
Dimensions	4.33 x 3.94 x 2.76 inches (approx. 110 x 100 x 70 mm)
Item Weight	6.8 ounces (approx. 192 grams)

5. Installation

Warning: To prevent electric shock or damage to the thermostat, disconnect power to the heating system at the main fuse box or circuit breaker before installation.

5.1 Mounting Location

Install the thermostat on an interior wall, approximately 1.5 meters (5 feet) above the floor. Avoid locations near windows, air vents, or direct sunlight, as these can affect temperature readings. Ensure the location allows for easy access and visibility of the display.

5.2 Wiring Instructions

The Fafeicy K6RH3A thermostat requires a 90-240V AC power supply. Connect the thermostat according to the wiring diagram provided below. Ensure all connections are tight and properly insulated.

1. Turn off power at the circuit breaker.
2. Remove the front panel of the thermostat to access the wiring terminals.
3. Connect the Live (L) and Neutral (N) wires from your power supply to the corresponding terminals on the thermostat.
4. Connect the Live (L1) and Neutral (N1) wires from your electric floor heating system to the heating load terminals.
5. If an external floor sensor is used (recommended for floor heating), connect its wires to the designated sensor terminals.
6. Secure the thermostat to the wall box using the provided mounting screws.
7. Reattach the front panel.
8. Restore power at the circuit breaker.



Figure 5.1: Rear view of the thermostat, illustrating the wiring terminal block. Consult a qualified electrician for proper wiring.



Figure 5.2: Conceptual image showing the thermostat's application with an electric floor heating system.

6. Operation

The Fafeicy K6RH3A thermostat features an intuitive LCD touch display for easy control of your floor heating system.



Figure 6.1: Front view of the thermostat's LCD display.

6.1 Power On/Off

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

6.2 Adjusting Temperature

Use the **Up** (∧) and **Down** (∨) arrows on the touch screen to increase or decrease the desired temperature setting. The current room temperature and set temperature will be displayed on the LCD.

6.3 Mode Selection

The thermostat supports various control modes, including manual, smart timing, and programmable period control. Refer to the on-screen icons or specific menu options to switch between modes. Detailed programming instructions are provided in Section 7.

6.4 Double Temperature Display

The thermostat provides accurate temperature control with a precision of ±1°C. It can display temperatures in both Celsius and Fahrenheit, depending on user settings.

7. Programming and Smart Features

The K6RH3A thermostat offers advanced programming options to optimize energy efficiency and comfort. These include smart timing and programmable time period control.

7.1 Setting Time and Day

Access the settings menu (often indicated by a gear icon or similar) to set the current time and day of the week. This is crucial for accurate scheduling.

7.2 Creating a Schedule

The thermostat allows you to set different temperature schedules for various times of the day and days of the week. Typically, you can define multiple periods (e.g., morning, day, evening, night) with specific target temperatures. Consult the on-screen menu for detailed steps on setting up your personalized heating schedule.

7.3 Smart Timing Features

Utilize the smart timing features to automatically adjust heating based on your routine, potentially saving energy. Specific smart features and their configuration will be accessible through the thermostat's menu interface.

8. Maintenance

The Fafeicy K6RH3A Smart Floor Heat Thermostat requires minimal maintenance to ensure optimal performance.

- **Cleaning:** Gently wipe the display and exterior with a soft, damp cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the surface or internal components.
- **Inspection:** Periodically check the thermostat for any signs of damage or loose connections. If any issues are found, consult a qualified technician.
- **Software Updates:** If the thermostat supports firmware updates (check product documentation or manufacturer's website), follow the instructions to keep your device up-to-date.

9. Troubleshooting

If you encounter issues with your Fafeicy K6RH3A thermostat, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Thermostat display is blank	No power; circuit breaker tripped; loose wiring.	Check power supply; reset circuit breaker; verify wiring connections (with power off).
Heating system not turning on	Thermostat in OFF mode; temperature setting too low; wiring issue; heating system fault.	Ensure thermostat is ON; increase set temperature; check wiring; consult heating system manual.

Problem	Possible Cause	Solution
Inaccurate temperature reading	Sensor obstruction; thermostat location issues; sensor fault.	Ensure sensor is clear; relocate thermostat if necessary; contact support if sensor is faulty.
Thermostat not responding to touch	Temporary software glitch; screen dirty.	Restart thermostat (power cycle); clean screen gently.

If the problem persists after attempting these solutions, please contact customer support.

10. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Fafeicy website. Keep your purchase receipt as proof of purchase for warranty claims.
Manufacturer: Fafeicy
Model Number: Fafeicy5y92c36ieg (Internal reference, K6RH3A is the product model)
ASIN: B0F1TQ1MP8

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