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Fafeicy Fafeicyvayb4x09pg

Fafeicy Digital Fan Coil Unit Thermostat

Model: Fafeicyvayb4x09pg - Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Fafeicy Digital Fan Coil Unit Thermostat. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. Key Features

- Large LCD display with blue backlight for clear data visibility.
- High-accuracy NTC thermistor temperature sensor for fast and reliable readings.
- Suitable for temperature control and heating equipment control of fan coil units, electric valves, power-driven air valves, and power-driven intake of central air conditioning.
- Clear keys for visual display of room temperature, heating/cooling status, and wind speed.
- Adjustable wind speed settings: High, Medium, Low, Automatic.
- Compatible with 2 or 3-line applicable valves.
- Compact size: Approx. 86x86x13mm (3.4x3.4x0.5in) with standard 60mm (2.4in) hole spacing.

3. Package Contents

Verify that all items are present upon opening the package:

- 1 x Fafeicy Digital Fan Coil Unit Thermostat
- 1 x Instruction Manual
- 2 x Mounting Screws

4. Technical Specifications

Specification	Detail
Brand	Fafeicy
Model Name	Fafeicyvayb4x09pg

Product Dimensions	0.51"D x 3.39"W x 0.51"H (86x86x13mm)
Controller Type	Push Button
Special Feature	Programmable
Temperature Control Type	Programmable
Connectivity Technology	Wired
Power Source	Hardwire (24V) or 2x AAA Batteries
Item Weight	7.1 ounces (200 Grams)
Voltage	1 Volts (likely referring to control voltage, actual system voltage is 24V)
Material	ABS+PC Fire Retardant
Display Type	LCD with Blue Backlight
Mounting Type	Wall Mount
Temperature Sensing	NTC Thermistor
Accuracy	±1°C
Set Point Range	17-35°C
Display Range	0-60°C
IP Level	IP30

5. Setup and Installation

5.1 Safety First

Before beginning any installation, ensure the power to your HVAC system is turned OFF at the circuit breaker to prevent electrical shock.

5.2 Removing Your Old Thermostat

1. Turn off power to your HVAC system at the circuit breaker.
2. Carefully remove the cover of your old thermostat.
3. Take a photo of the existing wiring connections for reference.
4. Disconnect the wires one by one, using the provided wiring labels to mark each wire with its corresponding terminal designation (e.g., R, W, Y, G, C).
5. Unscrew and remove the old thermostat's base plate from the wall.

5.3 Mounting the New Thermostat Base Plate

1. Position the new thermostat's base plate on the wall where the old thermostat was located.
2. Use the provided mounting screws to secure the base plate to the wall. Ensure it is level for aesthetic purposes.



Figure 1: Rear view of the thermostat showing wiring terminals.

5.4 Wiring Connections

1. Feed the thermostat wires through the opening in the new base plate.
2. Connect each labeled wire to the corresponding terminal on the new thermostat's base plate. Refer to the wiring diagram in the included instruction manual for specific configurations.
3. Ensure all connections are secure.

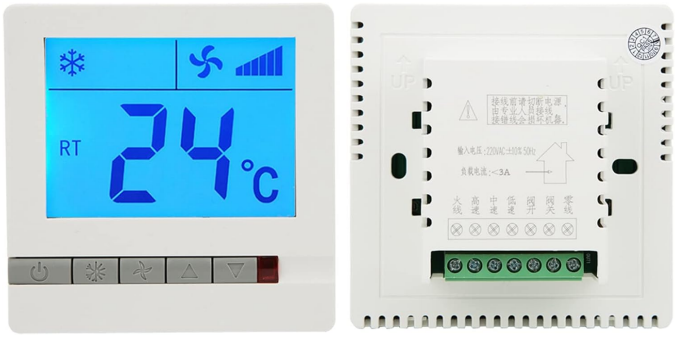


Figure 2: Front and back views of the thermostat, illustrating the wiring terminals on the rear.

5.5 System Type Configuration (Electric/Gas)

On the back of the thermostat unit (not the base plate), locate the small switch labeled 'ELEC/GAS'. Set this switch according to your HVAC system type (Electric or Gas furnace).

5.6 Attaching the Thermostat Unit

1. Align the thermostat unit with the installed base plate.
2. Gently push the unit onto the base plate until it clicks securely into place.

5.7 Battery Installation

Open the battery compartment (usually a hinged door on the front or top of the unit). Insert 2 AAA alkaline batteries, ensuring correct polarity. Close the battery compartment.

Video 1: Product Overview - This video demonstrates the physical features of a similar thermostat, including the battery compartment and system switches, which are relevant for installation and initial setup.

5.8 Power On

Restore power to your HVAC system at the circuit breaker. The thermostat display should now illuminate.

6. Operating Instructions

6.1 Understanding the Display



Figure 3: Front view of the thermostat with its large, illuminated LCD display.

The large LCD display shows the current room temperature, the set temperature, the current system mode (Heat/Cool/Off), fan status (On/Auto), and fan speed indicators. It also displays humidity levels.

6.2 Setting the Temperature

Use the **Up (▲)** and **Down (▼)** arrow buttons on the right side of the thermostat to adjust your desired temperature. The display will show the set temperature as you adjust it.

6.3 System Mode Selection

Use the **SYSTEM** switch located at the bottom right of the thermostat to select the desired operating mode:

- **COOL:** Activates the cooling system.
- **OFF:** Turns off both heating and cooling systems.
- **HEAT:** Activates the heating system.

6.4 Fan Operation

Use the **FAN** switch located at the bottom left of the thermostat to select the fan operation mode:

- **ON:** The fan runs continuously.
- **AUTO:** The fan cycles on only when the heating or cooling system is actively running.

7. Maintenance

7.1 Battery Replacement

When the low battery indicator appears on the display, replace the 2 AAA alkaline batteries promptly to ensure continuous operation. Open the battery compartment, remove old batteries, insert new ones with correct polarity, and close the compartment.

7.2 Cleaning

To clean the thermostat, gently wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Avoid spraying liquids directly onto the thermostat.

8. Troubleshooting

Problem	Possible Cause	Solution
Display is blank	No power or dead batteries	Check circuit breaker. Replace AAA batteries. Ensure 24V power is connected if not using batteries.
System (Heat/Cool) not responding	Incorrect wiring, system switch setting, or compressor delay.	Verify wiring connections. Ensure SYSTEM switch is set to HEAT or COOL. Allow 3-minute compressor delay protection to complete. Check the ELEC/GAS switch setting.
Fan not operating	Incorrect fan switch setting or system not calling for heat/cool.	Ensure FAN switch is set to ON for continuous operation or AUTO for automatic cycling with system.
Inaccurate temperature reading	Thermostat location, sensor issue, or calibration needed.	Ensure thermostat is not exposed to direct sunlight, drafts, or heat sources. Refer to the full instruction manual for room temperature calibration adjustment procedures.

9. Warranty and Support

9.1 Warranty

This Fafeicy thermostat comes with a 2-year warranty from the date of purchase, covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please refer to the contact information provided in your product packaging or visit the official Fafeicy website.

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