

[Manuals.plus](#) /

> [FIBARO](#) /

> FIBARO MCO Home MH8-FC4 Fan Coil Thermostat 4 Pipe, 230V User Manual

FIBARO MH8-FC4

FIBARO MCO Home MH8-FC4 Fan Coil Thermostat

INSTRUCTION MANUAL

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the FIBARO MCO Home MH8-FC4 Fan Coil Thermostat. This device is designed for controlling fan coil units in central AC systems (2-pipe or 4-pipe configurations) and integrates with Z-Wave smart home systems. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Key features of the MH8-FC4 thermostat include:

- Applicable to 2-pipe or 4-pipe fan coil control in central AC systems.
- Tempered glass panel with capacitive touch buttons for intuitive control.
- Clear display screen showing essential control information.
- Intelligent On/Off control for fan speed and electric valve.
- Designed for recessed installation in an 86 x 86 mm junction box.

2. Safety Information

Please observe the following safety precautions to prevent damage to the device or personal injury:

- Installation must be performed by a qualified electrician in accordance with local electrical codes and regulations.
- Disconnect power at the circuit breaker before installing or servicing the thermostat.
- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Ensure the power supply matches the device's requirements (230V).
- Do not attempt to repair or modify the device yourself. Contact qualified service personnel.

3. Package Contents

Verify that all components are present in the package:

- FIBARO MCO Home MH8-FC4 Thermostat (White)

- User Manual (this document)

4. Product Overview

The MH8-FC4 thermostat features a sleek design with a tempered glass panel and an integrated display. The front panel includes capacitive touch buttons for various functions and a clear screen for displaying temperature, time, and operating modes.



Figure 4.1: Front view of the MCO Home MH8-FC4 Fan Coil Thermostat. The display shows current time, room temperature, and various operational icons. Capacitive buttons are visible below the screen.

The rear of the thermostat houses the wiring terminals for power, fan control, and valve control, designed for secure and organized connections within a standard junction box.



Figure 4.2: Rear view of the MCO Home MH8-FC4 Thermostat. This image displays the terminal block for electrical connections and the product label indicating the model MH8-FC-EU.

5. Installation

The MH8-FC4 thermostat is designed for recessed installation into a standard 86 x 86 mm wall junction box. Ensure that the power supply is disconnected before beginning installation.

5.1 Wiring Diagram (General)

A typical wiring setup for a 4-pipe fan coil system includes connections for live (L), neutral (N), fan speeds (low, medium, high), and valve control (heating and cooling valves). Refer to the specific wiring diagram provided with your fan coil unit and the detailed diagram in the full product manual for precise connections.

- **Power Supply:** Connect the 230V AC live and neutral wires to the designated L and N terminals.
- **Fan Control:** Connect the fan speed wires (Low, Medium, High) from your fan coil unit to the corresponding terminals on the thermostat.
- **Valve Control:** Connect the heating and cooling valve control wires to the appropriate valve terminals.

5.2 Mounting

1. Ensure the junction box is properly installed and secured in the wall.
2. Connect all necessary wires to the terminals on the rear of the thermostat as per the wiring diagram.
3. Carefully push the wired thermostat module into the junction box.
4. Secure the thermostat to the junction box using the provided screws.

5. Attach the front glass panel to complete the installation.

After installation, restore power and proceed to initial setup and configuration.

6. Operating Instructions

The MH8-FC4 thermostat features a touchscreen display and capacitive buttons for easy control of your fan coil system.

6.1 Basic Operation

- **Power On/Off:** Touch the power icon to turn the thermostat on or off.
- **Temperature Adjustment:** Use the up/down arrows on the display to set your desired temperature.
- **Mode Selection:** Cycle through operating modes (e.g., Heat, Cool, Auto, Fan Only) by touching the mode icon.
- **Fan Speed:** Adjust fan speed (Low, Medium, High, Auto) by touching the fan icon.

6.2 Z-Wave Connectivity

The MH8-FC4 thermostat supports Z-Wave technology for smart home integration. Refer to your Z-Wave gateway's instructions for adding new devices to your network. Once connected, you can control the thermostat remotely via your smart home application, including temperature settings, mode changes, and fan speed adjustments.

The thermostat also supports voice control when integrated with compatible Z-Wave gateways and voice assistants.

7. Maintenance

The MH8-FC4 thermostat requires minimal maintenance.

- **Cleaning:** Gently wipe the glass panel with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check for any loose connections or signs of damage. If any issues are found, disconnect power and consult a qualified technician.

8. Troubleshooting

If you encounter issues with your MH8-FC4 thermostat, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Thermostat not powering on.	No power supply; incorrect wiring.	Check circuit breaker. Verify wiring connections are secure and correct.
Fan or valve not responding.	Incorrect wiring; system mode error; Z-Wave communication issue.	Check wiring. Ensure correct operating mode is selected. Verify Z-Wave network status.
Temperature reading appears inaccurate.	Sensor obstruction; thermostat placed in direct draft/sunlight.	Ensure no objects are blocking the sensor. Relocate if exposed to drafts or direct sunlight.
Cannot connect to Z-Wave network.	Out of range; Z-Wave gateway issue; interference.	Ensure thermostat is within range of the Z-Wave gateway. Consult gateway manual for device inclusion steps. Reduce interference sources.

If the problem persists, contact customer support or a qualified technician.

9. Specifications

Feature	Detail
Brand	FIBARO (MCO Home)
Model Name	MH8-FC4
Color	White
Material	Glass
Power Supply	230 Volt AC, Wired Electric
Connectivity Technology	Z-Wave
Control Type	Capacitive Buttons, Touch, Voice Control (via Z-Wave gateway)
Display Type	Touchscreen with Backlight
Screen Size	86 Millimeters
Mounting Type	Recessed (86 x 86 mm junction box)
Specific Uses	Indoor, Professional
Manufacturer Part Number	MH8-FC4 White
GTIN	04251295700212, 06928954202001

10. Warranty and Support

For warranty information and technical support, please refer to the official FIBARO or MCO Home website, or contact your local distributor. Keep your purchase receipt as proof of purchase for warranty claims.

Online resources and FAQs may also be available on the manufacturer's support pages.