

MCO Home MH7H-EH

MCO Home Smart Thermostat MH7H-EH User Manual

Model: MH7H-EH



1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MCO Home MH7H-EH Smart Thermostat for Electric Heaters. Please read this manual thoroughly before installation and use to ensure proper function and safety. The MH7H-EH is designed to control electric heating systems and includes an integrated humidity sensor for enhanced environmental monitoring.



Image 1.1: Front view of the MCO Home MH7H-EH Smart Thermostat, showing its digital display and capacitive touch buttons.

2. KEY FEATURES

- Hardened glass panel with capacitive touch buttons for durable and responsive control.
- Programmable schedule: Supports 4 events per day across 7 days (5+2; 5+1+1 configurations) for

optimized energy usage.

- Multiple operating modes: Manual, Auto (Time periods), and Holiday (Energy saving) for flexible control.
- Two temperature sensors for precise temperature control.
- Integrated humidity sensor for environmental monitoring.
- Z-Wave remote access capability for smart home integration.

3. SPECIFICATIONS

Specification	Value
Manufacturer	MCO Home
Model Number	MH7H-EH
Product Dimensions	4.5 x 8.5 x 8.5 cm
Item Weight	192 grams
Color	White
Material	Glass
Power Source	Wired Electric
Voltage	230 Volts
Display Type	Touchscreen
Special Features	Z-Wave Remote Access, Holiday Mode, Humidity Sensor
Controller Type	Button Control (Capacitive Touch)

4. WHAT'S IN THE BOX

Upon opening the package, please verify that all components are present and undamaged:

- MCO Home MH7H-EH Thermostat for Electric Heaters (with Humidity Sensor)

5. INSTALLATION

WARNING: Electrical installation should only be performed by a qualified electrician. Ensure power is disconnected at the main circuit breaker before beginning any wiring work.

5.1 Mounting the Thermostat

1. **Power Disconnection:** Turn off the main power supply to the heating circuit at your home's electrical panel. Verify that the power is off using a voltage tester.
2. **Prepare Wiring:** Carefully pull the electrical wires from the wall box. Ensure they are properly stripped for connection.

3. **Connect Wires:** Connect the wires to the appropriate terminals on the back of the thermostat. Refer to the wiring diagram provided with your product for specific connections (e.g., Live, Neutral, Load).
4. **Mounting:** Secure the thermostat's backplate to the wall box using the provided screws. Ensure the wires are not pinched.
5. **Attach Front Panel:** Carefully align the front panel of the thermostat with the mounted backplate and snap it into place.
6. **Restore Power:** Once the installation is complete and secure, restore power at the main circuit breaker.

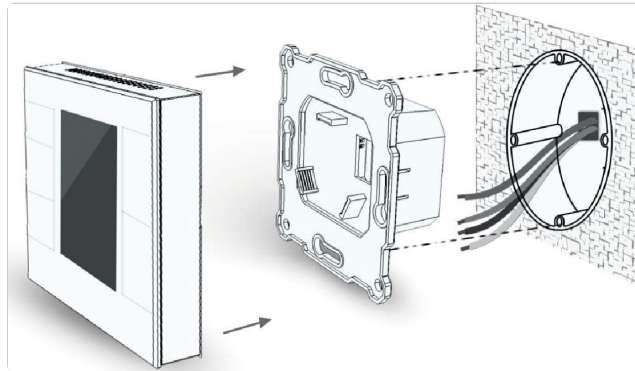


Image 5.1: Diagram illustrating the installation process of the thermostat into a standard wall box, showing wire connections.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** Press and hold the power button (if available) or ensure power is supplied to the unit.
- **Temperature Adjustment:** Use the Up (▲) and Down (▼) arrows on the display to adjust the desired temperature.
- **Mode Selection:** Press the 'Mode' or 'System' button to cycle through available modes: Manual, Auto (Programmed Schedule), and Holiday.

6.2 Programming Schedule

The MH7H-EH allows for a 7-day programmable schedule with 4 events per day. Consult the detailed programming section in the full product manual for step-by-step instructions on setting time periods and temperatures for each day.

6.3 Z-Wave Integration

To integrate your thermostat into a Z-Wave smart home network, refer to your Z-Wave gateway's instructions for adding new devices. The thermostat will typically enter inclusion mode by pressing a specific button combination or holding a button for several seconds. Once included, you can control the thermostat remotely via your Z-Wave controller.

7. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the thermostat's glass panel. Avoid abrasive cleaners or solvents that could damage the surface.
- **Dust Removal:** Periodically wipe away any dust accumulation around the thermostat to ensure proper sensor operation and airflow.

- **No User-Serviceable Parts:** The thermostat contains no user-serviceable parts. Do not attempt to open or repair the unit yourself.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermostat not powering on	No power supply; incorrect wiring	Check circuit breaker; verify wiring connections (consult electrician if unsure).
Heating not turning on/off	Incorrect mode; set temperature too low/high; wiring issue	Ensure thermostat is in heating mode; adjust set temperature; check wiring.
Display not responding to touch	Temporary software glitch; dirty screen	Restart thermostat by cycling power; clean screen with a soft cloth.
Cannot connect to Z-Wave network	Thermostat not in inclusion mode; gateway too far; interference	Ensure thermostat is in inclusion mode; move gateway closer; check for interference.

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

9. WARRANTY AND SUPPORT

MCO Home products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official MCO Home website.

For technical support, troubleshooting assistance, or warranty claims, please contact MCO Home customer service through their official channels. Have your product model number (MH7H-EH) and purchase information ready when contacting support.