

## Honeywell Home MT1

# Honeywell Home MT1 Mechanical On/Off Room Thermostat User Manual

Model: MT1 (THR830TEU)

Brand: Honeywell Home

## 1. INTRODUCTION

The Honeywell Home MT1 Mechanical On/Off Room Thermostat is designed to provide automatic on/off control for gas boilers, circulation pumps, relays, and zone valves in various heating, cooling, or combined heating/cooling systems. Its robust design and simple operation make it an effective solution for temperature regulation. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your thermostat.

## 2. SAFETY INFORMATION

### **WARNING: Electrical Shock Hazard**

- Always disconnect power to the heating/cooling system at the main circuit breaker before installing or servicing the thermostat.
- Installation should only be performed by a qualified electrician or heating engineer in accordance with local regulations.
- Do not operate the thermostat with wet hands.
- Ensure all wiring connections are secure and properly insulated.

Read all instructions carefully before proceeding with installation or operation.

## 3. PACKAGE CONTENTS

Verify that your package contains the following items:

- Honeywell Home MT1 Mechanical On/Off Room Thermostat
- Instruction Manual
- Mounting Screws

## 4. INSTALLATION

The MT1 thermostat is designed for direct wall mounting or installation on a conduit box. Follow these steps for proper installation:

1. **Choose a Location:** Select a central location in the room, away from direct sunlight, drafts, or heat sources (e.g., radiators, lamps) that could affect temperature readings. The thermostat should be mounted at approximately 1.5 meters (5 feet) above the floor.
2. **Disconnect Power:** Turn off the power supply to your heating/cooling system at the main circuit breaker before beginning any wiring.
3. **Separate the Thermostat:** Carefully separate the front cover from the backplate of the thermostat. The backplate is used for mounting and wiring.
4. **Mount the Backplate:** Position the backplate on the wall or conduit box. Mark the drilling points. Drill holes if necessary and insert wall plugs. Secure the backplate using the provided mounting screws.
5. **Wiring:** Connect the system wiring to the easy-to-connect terminals on the backplate. The integrated conductor clamps ensure secure wiring. Refer to the wiring diagram provided with your specific unit for correct connections.
6. **Attach the Thermostat:** Once wiring is complete and secure, carefully reattach the front cover of the thermostat to the mounted backplate. Ensure it clicks firmly into place.
7. **Restore Power:** Turn the power supply back on at the main circuit breaker.



Figure 1: Illustration of the thermostat being installed on a wall using a screwdriver. This image demonstrates the ease of mounting the device.



Figure 2: The Honeywell Home MT1 thermostat is shown mounted on a white wall in a contemporary dining room setting, illustrating its discreet integration into a home environment.

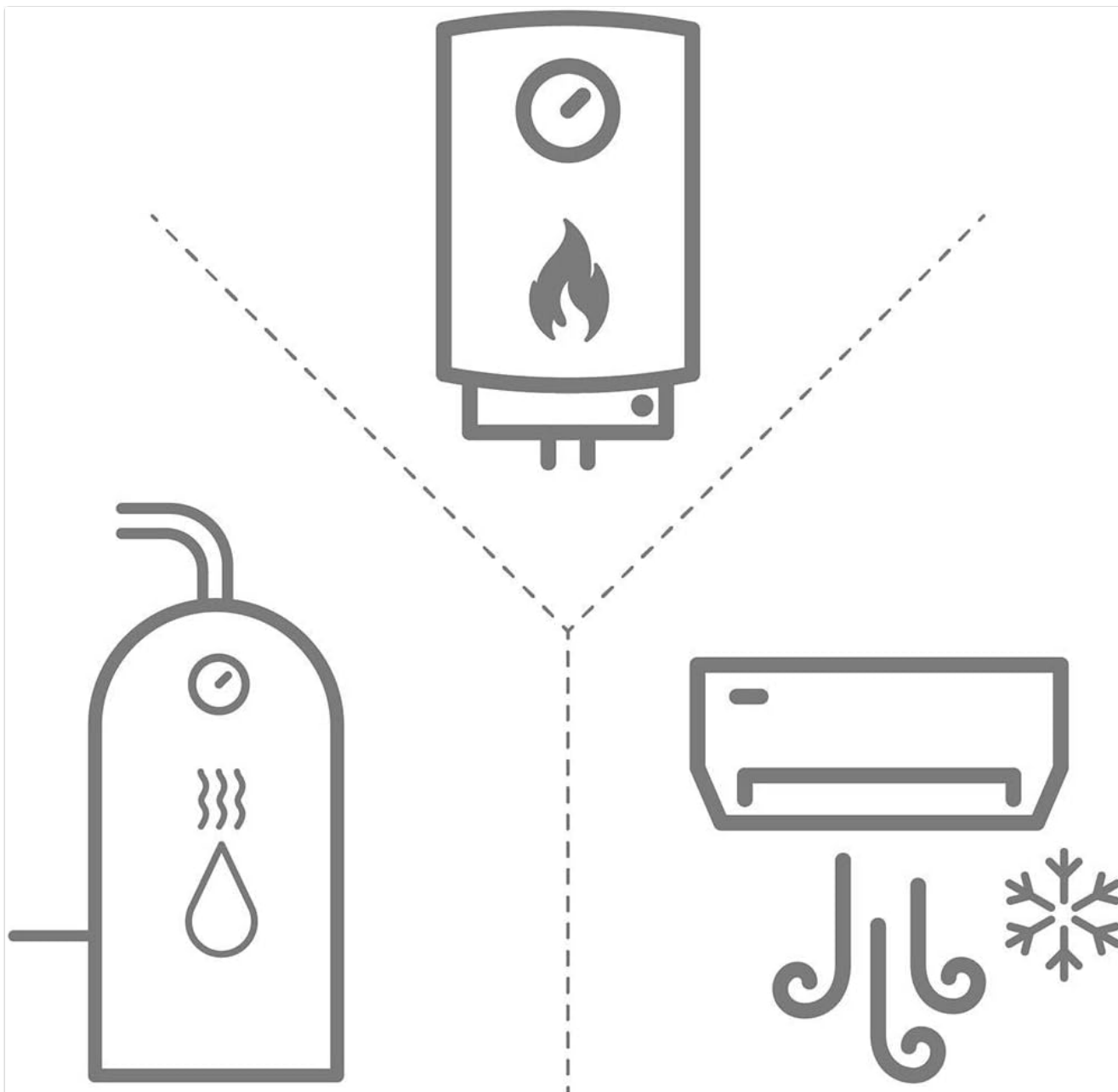


Figure 3: Icons depicting a boiler, a water heater, and an air conditioning unit, symbolizing the various heating and cooling systems compatible with the thermostat.

## Installation Video

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Video 1: This video provides a product demonstration, including aspects of its physical installation and basic setup. It shows the thermostat being handled and its backplate revealed for wiring.

## 5. OPERATING INSTRUCTIONS

The Honeywell Home MT1 thermostat features a simple mechanical dial for temperature adjustment.

1. **Adjusting Temperature:** Rotate the central dial to set your desired room temperature. The temperature scale is typically from 10°C to 30°C.
2. **Temperature Control:** The thermostat will automatically turn your heating or cooling system on or off to maintain the set temperature. The dual diaphragm sensing element ensures accurate temperature control.
3. **Heat Anticipator:** The integrated heat anticipator helps to provide close temperature control, especially in systems with a high heating ramp rate, preventing overshoots.

4. **Cooling Loads:** The thermostat supports changeover contact switching for cooling applications.



Figure 4: A clear front view of the Honeywell Home MT1 Mechanical Thermostat, highlighting its central temperature adjustment dial with markings from 10 to 30 degrees Celsius.

# MT1

## Mechanical Room Thermostat

### Features & Benefits



Easy  
Installation



Simple to  
operate



Cooling and  
Heating Function

Figure 5: A hand is shown rotating the temperature dial on the Honeywell Home MT1 thermostat, demonstrating the simple mechanical adjustment for desired room temperature.

### Operation Video

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Video 2: This product demonstration video also illustrates the basic operation of the thermostat, including how to adjust the temperature using the dial.

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Video 3: A close-up video showing the thermostat's components and how the dial mechanism works, providing a detailed view of its internal structure and functionality.

## 6. MAINTENANCE

The Honeywell Home MT1 thermostat requires minimal maintenance.

- **Cleaning:** Periodically wipe the exterior of the thermostat with a soft, dry cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the finish or internal components.

- **Avoid Obstructions:** Ensure that the thermostat is not covered by furniture, curtains, or other objects that could obstruct airflow and affect its ability to accurately sense room temperature.
- **No User Serviceable Parts:** The thermostat contains no user-serviceable parts. Do not attempt to open or repair the unit yourself. Contact qualified personnel for any issues beyond basic operation.

## 7. TROUBLESHOOTING

If you experience issues with your Honeywell Home MT1 thermostat, consider the following common solutions:

- **System Not Responding:**
  - Check if the main power supply to your heating/cooling system is on.
  - Ensure the thermostat is securely mounted and all wiring connections are firm.
  - Verify that the set temperature is above (for heating) or below (for cooling) the current room temperature.
- **Inaccurate Temperature Reading:**
  - Confirm the thermostat is not exposed to direct sunlight, drafts, or heat sources.
  - Ensure there are no obstructions around the thermostat that could impede airflow.
- **Thermostat Not Turning On/Off:**
  - If the system is a boiler with radiators, ensure that individual radiator thermostats (TRVs) are not set to a lower temperature than the room thermostat.
  - If the issue persists, contact a qualified technician for inspection.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	THR830TEU
Dimensions (L x W x H)	8.3 x 3.5 x 8.3 cm
Weight	290 g
Size	Compact
Color	White
Style	On/Off Mechanical
Finish	Matte
Shape	Rectangular
Power Source	Cables
Voltage	230 Volts
Number of Products	1
Display Type	Analog



Mounting Type	Wall mount
Special Features	Automatic
Usage	Boiler
Batteries Required	No
Connectivity Technology	Wifi (Note: This is a mechanical thermostat; Wi-Fi functionality may refer to compatible smart home systems or other product variants.)
Control Type	Push button (Note: The primary control is a mechanical dial.)
Temperature Control Type	Heating
Setpoint Range	10 to 30°C
Operating Temperature Range	0 to 40°C

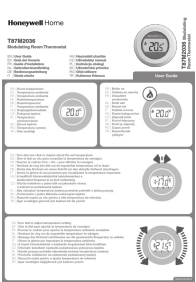

## 9. WARRANTY AND SUPPORT


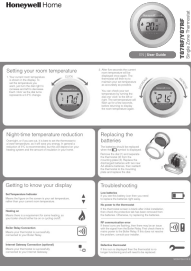
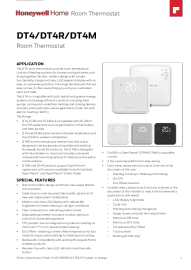

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or further assistance, please visit the official Honeywell Home website or contact their customer service.

You can find more information about Honeywell Home products at their official store[Honeywell Home Store](#).

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### Related Documents - MT1

	<p><a href="#">Honeywell Home T87M2036 Modulating Room Thermostat User Guide</a></p> <p>A concise, multilingual user guide for the Honeywell Home T87M2036 Modulating Room Thermostat, detailing basic functions, language translations for key terms, and troubleshooting indicators.</p>
	<p><a href="#">Honeywell Home DT4/DT4R/DT4M Room Thermostat - Product Specifications</a></p> <p>Detailed product specifications for the Honeywell Home DT4, DT4R, and DT4M room thermostats, covering features, technical data, operation, and ordering information for efficient home climate control.</p>

	<p><a href="#">Honeywell Home DT4, DT4R, DT4M Thermostat User Guide</a></p> <p>User guide for the Honeywell Home DT4, DT4R, and DT4M room thermostats, covering screen and button overview, device modes, temperature override, and battery replacement.</p>
	<p><a href="#">Honeywell Home T87RF/Y87RF Single Zone Thermostat User Guide</a></p> <p>User guide for the Honeywell Home T87RF/Y87RF Single Zone Thermostat, covering setting room temperature, night-time reduction, display indicators, troubleshooting, and binding to the RFG100 Internet Gateway.</p>
	<p><a href="#">Honeywell Home DT4/DT4R/DT4M Room Thermostat - Product Specification Sheet</a></p> <p>Detailed product specification sheet for the Honeywell Home DT4, DT4R, and DT4M room thermostats, covering application, features, technical data, operation, dimensions, and ordering information.</p>
	<p><a href="#">Honeywell Home DT4/DT4R/DT4M Room Thermostat Product Specification</a></p> <p>Comprehensive product specification document for the Honeywell Home DT4, DT4R, and DT4M Room Thermostats, detailing their application, features, technical data, operational methods, transportation and storage guidelines, dimensions, and ordering information.</p>