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## Honeywell T4H110A1021

# Honeywell T4H110A1021 T4 Programmable Thermostat User Manual

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## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Honeywell T4H110A1021 T4 Programmable Thermostat. This modern 7-day programmable room thermostat is designed to provide automatic time and temperature control for heating systems in both domestic and light commercial premises. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

## 2. SAFETY INFORMATION

Always observe the following safety precautions to prevent electric shock, fire, or damage to the product.

- **Electrical Safety:** Installation and wiring must be carried out by a qualified electrician and in accordance with national and local wiring regulations. Always switch off the power supply at the consumer unit/fuse box before commencing any work on the thermostat or heating system.
- **Product Use:** Do not expose the thermostat to water, excessive humidity, or extreme temperatures. Do not attempt to open or repair the thermostat yourself; refer all servicing to qualified personnel.
- **Battery Safety:** Use only the specified battery type (2 AA batteries). Ensure correct polarity when inserting batteries. Do not mix old and new batteries, or different types of batteries. Dispose of used batteries responsibly according to local regulations.

## 3. PRODUCT OVERVIEW

The Honeywell T4H110A1021 T4 thermostat features a clear on-screen text display and intuitive function buttons for simplified programming and operation. It is designed for optimal control of various heating systems, including combined boiler installations.

### Key Features:

- Well suited for controlling combined boiler installations or additional zones in an S Plan Plus system.

- Optimal stop, start, and delayed start functions that learn how the room is heated, enhancing energy efficiency.
- On-screen text display and function buttons ensure simplified programming and operation for all users.
- Flexible 7-day programming with options for 7-day, 5/2, or one-day schedules.
- Four or six independent time and temperature settings per day (default is 4).

### Product Components:



**Figure 3.1:** Front view of the Honeywell T4 Thermostat, showing the digital display and control buttons.



**Figure 3.2:** Angled view of the Honeywell T4 Thermostat, highlighting its compact design.



**Figure 3.3:** Honeywell T4 Thermostat shown with an optional desk stand, demonstrating versatility in placement.

## 4. SETUP

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This section guides you through the initial setup and installation of your T4 thermostat.

### 4.1 Installation

1. **Power Off:** Before starting any electrical work, ensure the main power supply to your heating system is switched off at the consumer unit/fuse box.
2. **Mounting Location:** Choose a suitable location for the thermostat, typically on an internal wall, away from direct sunlight, drafts, or heat sources (e.g., radiators, TVs).
3. **Mounting:** Secure the thermostat's backplate to the wall using appropriate screws and wall plugs. Ensure it is level.
4. **Wiring:** Connect the heating system wires to the appropriate terminals on the thermostat's backplate. Refer to the wiring diagram provided with your specific product packaging for detailed connections. This device is designed for 230V systems.
5. **Attach Thermostat:** Once wiring is complete, carefully attach the thermostat unit to the mounted backplate, ensuring it clicks securely into place.

### 4.2 Battery Installation

The T4 thermostat is battery-powered. It requires 2 AA batteries, which are included.

1. Locate the battery compartment on the thermostat unit.
2. Insert the 2 AA batteries, ensuring correct polarity (+ and -).
3. Close the battery compartment cover securely.

### 4.3 Initial Power-Up and Configuration

Upon first power-up, the thermostat will guide you through an initial setup process. Follow the on-screen prompts to set the date, time, and basic operating parameters. This typically includes selecting the number of setting points per day (4 or 6) and other minor options.

## 5. OPERATING INSTRUCTIONS

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This section details how to use your Honeywell T4 thermostat for daily temperature control.

## 5.1 Display Information

The thermostat display shows both the target temperature (smaller figures) and the current actual room temperature (larger figures), allowing for easy monitoring.

## 5.2 Setting Time and Date

Access the menu by pressing the menu button (usually indicated by three horizontal lines). Navigate to the 'Time & Date' setting and use the '+' and '-' buttons to adjust the values. Confirm your settings.

## 5.3 Programming Schedules

The T4 offers flexible programming options:

- **7-Day Programming:** Set individual schedules for each day of the week.
- **5/2 Day Programming:** Set one schedule for weekdays (Monday-Friday) and another for weekends (Saturday-Sunday).
- **1-Day Programming:** Apply the same schedule for all seven days.

To program, enter the 'Schedule' menu. Select your preferred programming mode and then set the desired time and temperature for each period (up to 4 or 6 per day, depending on your initial setup). Use the on-screen text prompts to guide you through the process.

## 5.4 Adjusting Temperature and Manual Override

- **Temporary Override:** While a schedule is active, pressing the '+' or '-' buttons will temporarily adjust the temperature. This override will typically last until the next scheduled temperature change.
- **Permanent Override (Manual Mode):** To maintain a constant temperature, switch the thermostat to 'Manual' mode (refer to your specific model's menu for this option). You can then set a desired temperature that will remain active until you switch back to programmed mode.
- **Pause Function:** The thermostat includes a 'Pause' option, useful for temporarily suspending heating.

## 5.5 Optimization Features

The T4 thermostat includes advanced optimization features (Optimal Stop, Optimal Start, Delayed Start) that learn how quickly your room heats up. This allows the thermostat to activate the heating system at the optimal time to reach your desired temperature precisely when scheduled, saving energy. These features may need to be enabled via a 'Service Menu' setting. Consult the Honeywell support website or your detailed product manual for instructions on accessing and enabling these advanced settings.

## 6. MAINTENANCE

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Your Honeywell T4 thermostat requires minimal maintenance to ensure continued optimal performance.

### 6.1 Cleaning

Wipe the thermostat's exterior with a soft, damp cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the plastic and electronic components.

### 6.2 Battery Replacement

The thermostat will display a low battery indicator when the batteries need replacing. Replace both AA batteries promptly to ensure continuous operation. Follow the battery installation steps outlined in Section 4.2.

## 7. TROUBLESHOOTING

If you experience issues with your T4 thermostat, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display is blank or dim.	Dead or low batteries.	Replace the 2 AA batteries. Ensure correct polarity.
Heating system not responding to thermostat.	Incorrect wiring; power supply off; thermostat in 'Off' mode; schedule not active.	Check wiring connections (ensure power is off first). Verify main power supply to heating system. Ensure thermostat is in 'Auto' or 'Manual' mode and not 'Off'. Check programmed schedule.
Temperature is inaccurate.	Thermostat location is affected by drafts, direct sunlight, or heat sources.	Relocate the thermostat to a more suitable position if possible. Ensure no external factors are influencing the temperature sensor.
Thermostat makes a loud 'click' sound.	This model (T4H110A1021) is known for quiet operation. If you hear a loud click, it may indicate an issue with the heating system's relay or a different thermostat model.	Consult a qualified heating engineer to inspect your heating system. The T4 is designed to be very quiet.
Cannot program schedules.	Incorrect menu navigation; locked settings.	Refer to Section 5.3 for programming steps. Ensure no settings are locked (e.g., installer settings).

If the problem persists after trying these solutions, please contact Honeywell customer support or a qualified heating engineer.

## 8. SPECIFICATIONS

Detailed technical specifications for the Honeywell T4H110A1021 T4 Programmable Thermostat:

Attribute	Value
Brand	Honeywell
Model Number	T4H110A1021
Color	White
Product Dimensions (L x W x H)	11 x 4 x 10 cm
Weight	300 grams
Voltage	230 Volts
Power Source	Battery powered (2 AA batteries included)
Features	Automatic changeover
Controller Type	Push button
Specific Uses	Boiler control
Temperature Control Type	Programmable
Connectivity Technology	Wi-Fi (Note: While listed in specifications, primary function is local control. Consult product packaging for specific Wi-Fi capabilities.)
Components Included	1 T4 thermostat, 2 AA batteries, 1 manual

## 9. WARRANTY AND SUPPORT

Honeywell products are manufactured to the highest standards and are designed for reliable performance. This product comes with a manufacturer's warranty, details of which can be found in the warranty card included with your purchase or on the official Honeywell website.

### Customer Support:

For technical assistance, troubleshooting, or warranty claims, please visit the official Honeywell support website or contact their customer service department. Have your product model number (T4H110A1021) and purchase details ready when contacting support.

Online resources often include FAQs, detailed manuals, and video tutorials that can help resolve common issues.