

Honeywell Home T3R (Y3C710RFEU)

Honeywell Home T3R Wireless 7-Day Programmable Thermostat User Manual

Model: Y3C710RFEU

1. INTRODUCTION

The Honeywell Home T3R Wireless 7-Day Programmable Thermostat is designed to provide automatic time and temperature control of heating systems in homes and apartments. This modern, affordable, feature-rich, and fully programmable thermostat offers precise temperature control and makes boilers operate more efficiently. It features a contemporary design, a clear, backlit temperature display visible from a distance, and large, easy-to-touch temperature buttons. The T3R is completely wireless, consisting of a wireless thermostat and a wireless receiver box, allowing flexible placement of the thermostat within your home.

The advanced Honeywell Home TPI self-learning algorithm ensures efficient boiler control, contributing to energy savings. This thermostat is compatible with 24-230V on/off appliances such as gas boilers, combi boilers, and heat pumps, and also works with zone valve applications. (Electric heating 240V excluded.)

2. KEY FEATURES

- **Versatile Compatibility:** Compatible with 24-230V on/off and OpenTherm systems, including gas boilers, combi boilers, and heat pumps.
- **Customisable 7-Day Scheduling:** Configure up to 6 independent heating periods per day. Includes a pre-configured schedule for added convenience and automatic time clock adjustment.
- **User Friendly Digital Display:** Features a large backlit screen showing current and target temperatures, along with helpful mode and status icons for easy readability.
- **Energy-Saving Features:** Battery-operated (2AA included), featuring ECO mode, automatic time adjustment, and optimised TPI learning to help reduce energy waste and lower heating bills.
- **Secure Yet Simple:** User-friendly interface is easy to program, with lock options to prevent tampering in public spaces. Compact design suitable for various locations.

3. PRODUCT OVERVIEW

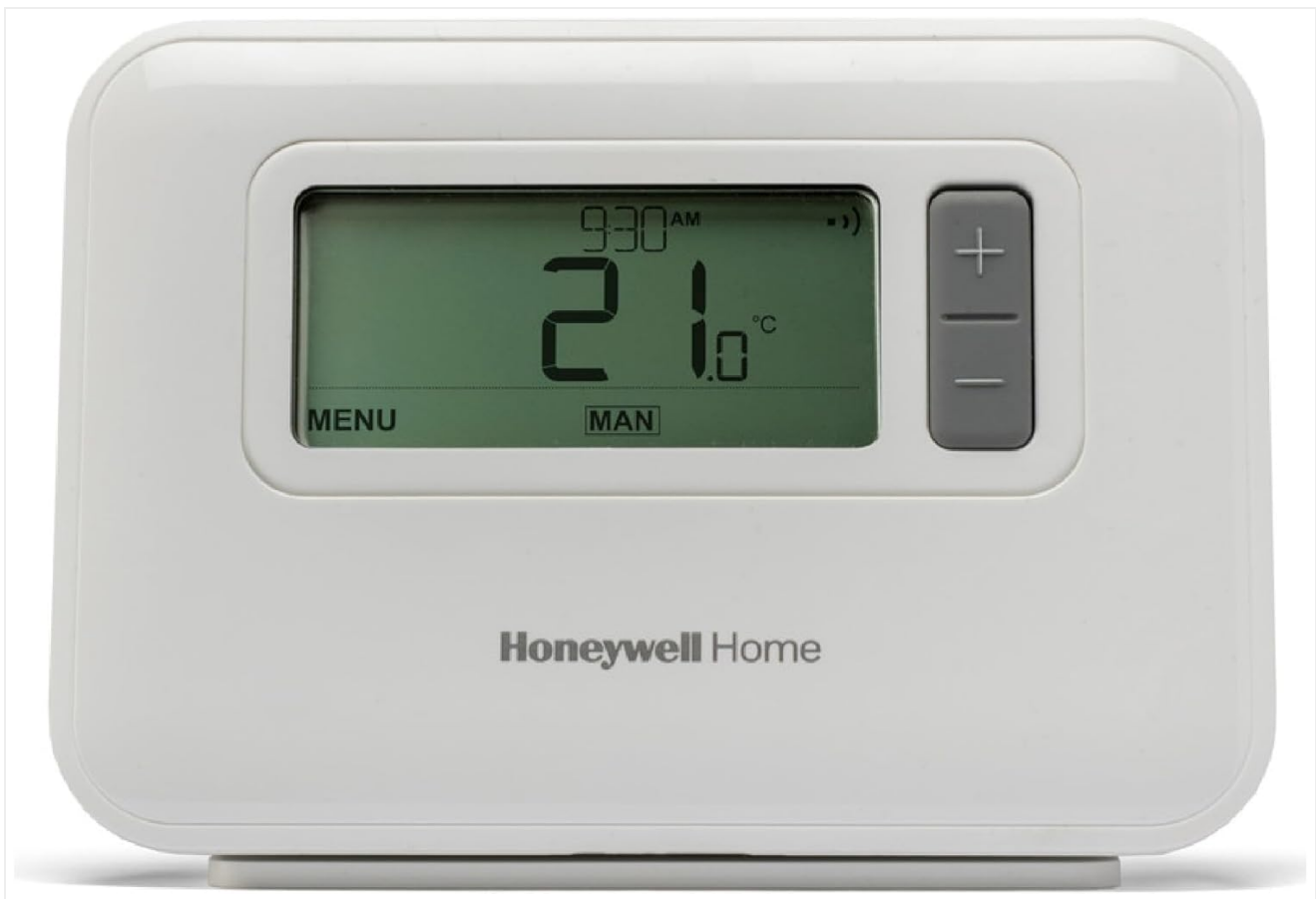


Figure 3.1: The Honeywell Home T3R Wireless Thermostat, showcasing its clear digital display and intuitive controls.

Video 3.2: An official overview of the Honeywell Home T3R Wireless Thermostat, highlighting its modern design and key functionalities.

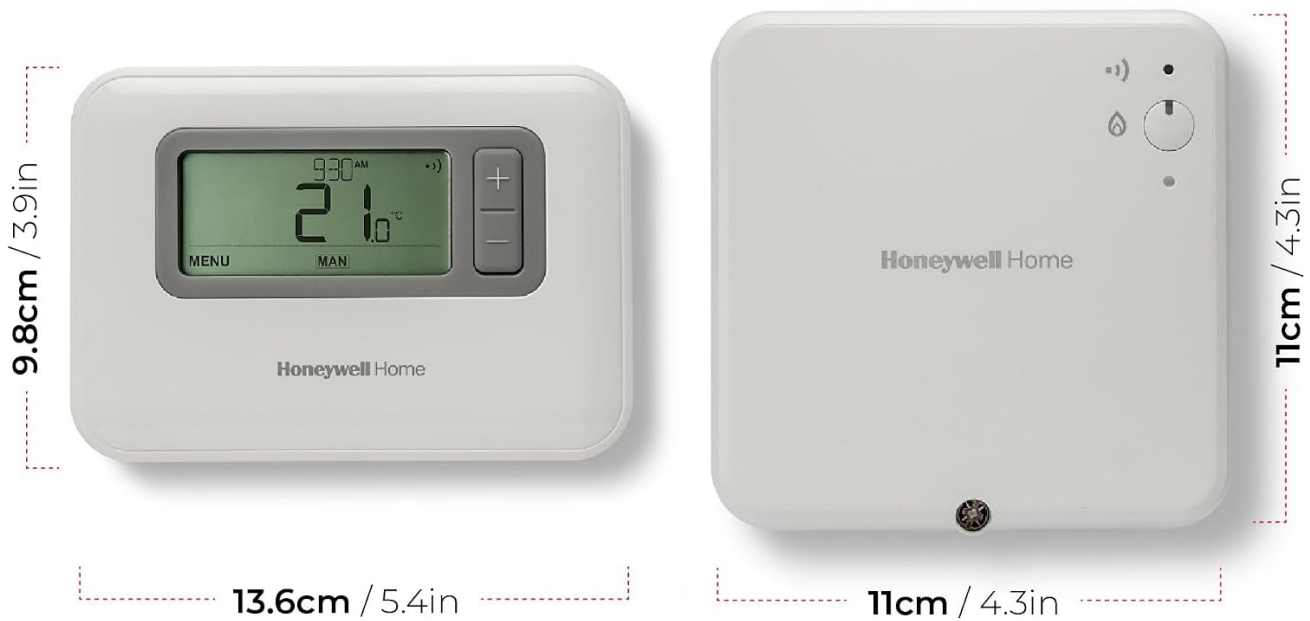
4. SETUP AND INSTALLATION

4.1. Components

The Honeywell Home T3R system includes two main components: the T3R Smart Thermostat and the Wireless Receiver Box. The thermostat is battery-operated and can be placed anywhere in your home, while the receiver box is wired directly to your boiler.

T3R Smart Thermostat

Receiver Box



Extensive Compatibility

Compatible with 24–230V ON/OFF OpenTherm appliances such as gas boilers combi boilers and heat pump



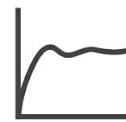
Wireless Version



ON/OFF, ECO, Manual/Auto Mode Options



Smart Programming Features



TPI Self-Learning Algorithm

Figure 4.1: The T3R Smart Thermostat (left) and its Wireless Receiver Box (right), with approximate dimensions for planning installation.

4.2. Compatibility

The T3R thermostat is designed for wide compatibility with various heating systems. It supports 24-230V on/off and OpenTherm systems, making it suitable for gas boilers, combi boilers, and heat pumps. It also integrates with zone valve applications. Please note that it is not compatible with 240V electric heating systems.

4.3. Wireless Configuration

The wireless design of the T3R allows for flexible placement of the thermostat. The receiver box handles the wired connection to your boiler, eliminating the need for wiring between the thermostat and the boiler itself. Ensure both units are within effective wireless range for optimal performance.

Video 4.2: A detailed product overview video demonstrating the physical components and aspects of wireless configuration for the T3R thermostat.

5. OPERATING INSTRUCTIONS

5.1. Display and Controls

The T3R thermostat features a large, backlit digital display that clearly shows the current temperature, target temperature, time, and various mode/status icons. The intuitive buttons allow for easy adjustment of settings and navigation through menus.

User Friendly Digital Display

Large backlit screen displays current and target temperatures, plus mode and status icons for easy readability.



Figure 5.1: A close-up view of the user-friendly digital display, showing current temperature and time, designed for clear readability.

5.2. Programming Schedules

The thermostat offers flexible 7-day programming, allowing you to set up to 6 independent heating periods per day. This enables precise control over your home's heating schedule to match your lifestyle and optimize energy usage. A pre-configured schedule is available for quick setup, and the device includes automatic time clock adjustment.

Smart Scheduling

Customise heating with 7-day or 5/2-day schedules and up to 6 daily periods



Figure 5.2: The thermostat positioned in a living space, illustrating its smart scheduling capabilities for customized heating.

5.3. Energy Saving Features

To help reduce energy consumption and lower heating bills, the T3R incorporates several energy-saving features. These include an ECO mode for reduced heating, automatic time adjustment, and an optimized TPI (Time Proportional Integral) learning algorithm. TPI learning intelligently adapts to your home's heating needs, ensuring efficient boiler control.

Energy-Saving Features

ECO mode, automatic time adjustment, and optimised TPI learning help reduce energy waste and lower heating bills.



Figure 5.3: The T3R thermostat on a wooden surface, emphasizing its energy-saving features like ECO mode and optimized TPI learning.

6. MAINTENANCE

6.1. Battery Replacement

The T3R thermostat is battery-operated and requires 2 AA batteries (included). When the battery level is low, a low battery indicator will appear on the display. To replace the batteries, carefully open the battery compartment, remove the old batteries, and insert new ones, ensuring correct polarity. Dispose of used batteries responsibly.

6.2. Cleaning

To maintain the appearance and functionality of your thermostat, wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the unit's finish or internal components.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Honeywell Home T3R thermostat.

Problem	Possible Cause	Solution
Thermostat display is blank.	Batteries are dead or incorrectly inserted.	Replace the 2 AA batteries, ensuring correct polarity.
Heating system not responding to thermostat.	Loss of wireless connection between thermostat and receiver box.	Check the distance between the thermostat and receiver. Ensure no major obstructions. Re-pair the devices if necessary (refer to pairing instructions in the full manual).
Temperature readings seem inaccurate.	Thermostat placed in direct sunlight, near a heat source, or in a draft.	Relocate the thermostat to a more central location away from direct heat/cold sources.
Cannot change settings or program schedule.	Keypad lock is activated.	Deactivate the keypad lock feature. Refer to the full manual for specific instructions on unlocking the device.

8. TECHNICAL SPECIFICATIONS

Specification	Detail
Manufacturer	Honeywell Home
Part Number	Y3C710RFEU
Product Dimensions	13.6 x 6.2 x 9.8 cm (Thermostat); 11 x 11 cm (Receiver Box)
Item Weight	585 g
Power Source	Battery Powered (2 AA batteries included)
Voltage	230 Volts
Compatibility	24-230V on/off and OpenTherm systems (gas boilers, combi boilers, heat pumps, zone valves)
Programming	7-day programmable, 6 independent heating periods per day
Display Style	Backlit digital
Mounting Type	Wall Mount (Thermostat can also be free-standing)
Material	Acrylonitrile Butadiene Styrene

9. WARRANTY AND SUPPORT

The Honeywell Home T3R Wireless Thermostat comes with a 2-year warranty, ensuring peace of mind regarding its quality and performance. For technical support, detailed product information, or warranty claims, please refer to the official Honeywell Home website or contact their customer service department. The full instruction manual included

with your product provides comprehensive details on installation, operation, and advanced features.

For further assistance, you may visit the [Honeywell Home Store on Amazon](#).