

# Honeywell Rth2300b1012 A Manual

Honeywell Home



Programmable  
Thermostat

**RTH2300/RTH221  
Series**

Owner's Manual  
RTH2300B1012



**Read before installing**

For help, please visit  
[resideo.com](http://resideo.com)

**Identify System Type**

This thermostat is compatible with the following systems:

- Gas, oil or electric furnace
- Central air conditioner
- Hot water system with or without pump
- Millivolt system
- Central heating and cooling system
- Heat pump without auxiliary/backup heat

**Do you need assistance? We are here to help.**



Call 1-800-468-1502 for wiring assistance before returning  
the thermostat to the store.

This thermostat cannot be used on heat pumps with  
backup heat or on multistage systems.

Input: 2 x AAA batteries (1.5V each)

## Introduction to the Honeywell RTH2300B1012

The **Honeywell RTH2300B1012** is a versatile and user-friendly digital programmable thermostat designed to help homeowners maintain optimal comfort while managing energy consumption. This model is particularly popular due to its simple installation process, intuitive interface, and ability to program heating and cooling schedules. In this article, we will delve into the features, installation instructions, programming capabilities, troubleshooting tips, and maintenance of the Honeywell RTH2300B1012.

## Features of the Honeywell RTH2300B1012

The Honeywell RTH2300B1012 comes packed with features that provide convenience and efficiency. Here are some of the standout features:

- **Programmable Settings:** Allows users to create a personalized schedule

for heating and cooling, thus maximizing energy savings.

- **Easy-to-Read Display:** The backlit display is easy to read, making it simple to adjust settings even in low light.
- **Simple Installation:** The device is designed for DIY installation, with clear instructions provided in the manual.
- **Compatibility:** Works with most heating and cooling systems, including gas, oil, and electric systems.
- **Energy Saving Mode:** Helps reduce energy consumption by automatically adjusting temperatures based on your schedule.

## Installation Guide

Installing the Honeywell RTH2300B1012 is a straightforward process that can typically be completed in less than an hour. Below are the steps you need to follow for a successful installation.

### Tools Required

Before beginning the installation, ensure you have the following tools:

- Flathead screwdriver
- Phillips screwdriver
- Drill (if needed)
- Level (optional)

### Step-by-Step Installation Instructions

1. **Turn off the Power:** Before you start, turn off the power to your heating and cooling system at the circuit breaker.
2. **Remove the Old Thermostat:** Detach the old thermostat from the wall, taking care to note the wiring configuration. You might want to take a photo for reference.

3. **Label the Wires:** Use the labels provided with the new thermostat to identify the wires from your old thermostat.
4. **Connect the Wires:** Insert the labeled wires into the corresponding terminals on the Honeywell RTH2300B1012. Ensure that they are securely tightened.
5. **Attach the Wall Plate:** Use the included screws to attach the wall plate of the new thermostat to the wall.
6. **Mount the Thermostat:** Align the thermostat with the wall plate and snap it into place.
7. **Turn the Power Back On:** Restore power to your heating and cooling system at the circuit breaker.

## Programming the Honeywell RTH2300B1012

Once installed, programming your Honeywell RTH2300B1012 is essential for optimizing your heating and cooling schedule. Here's how to do it:

### Basic Programming Overview

The Honeywell RTH2300B1012 can be programmed for different days of the week, allowing for tailored comfort levels. Here's how to access the programming feature:

1. Press the "Menu" button on the thermostat.
2. Select "Program" from the menu options.
3. Choose the specific day or days you wish to program.
4. Set the desired time and temperature for both heating and cooling modes.
5. Review your settings, and confirm to save them.

### Daily Programming Options

Users can set up to four different temperature settings per day. The typical schedule includes:

- **Wake:** The temperature setting when you wake up.
- **Leave:** The temperature setting when you leave home.
- **Return:** The temperature setting when you return home.
- **Sleep:** The temperature setting for overnight comfort.

## Troubleshooting Common Issues

While the Honeywell RTH2300B1012 is designed for reliability, you may encounter some common issues. Here are some problems and possible solutions:

### Thermostat Not Responding

- Solution: Check if the power is turned on. Ensure that the circuit breaker is not tripped and that the thermostat is properly connected to the wall plate.

### Temperature Display is Incorrect

- Solution: Verify that the thermostat is calibrated correctly. You can adjust the calibration settings in the menu.

### Heating or Cooling System Not Responding

- Solution: Ensure that the system is powered on and functioning. Check the wiring connections within the thermostat.

### Battery Issues

- Solution: If your thermostat uses batteries, replace them if the low battery indicator appears.

## Maintenance Tips for Longevity

To ensure the longevity and optimal performance of your Honeywell RTH2300B1012, consider the following maintenance tips:

- **Regularly Check Batteries:** If your thermostat is battery-operated, make it a habit to check and replace batteries regularly.
- **Keep the Thermostat Clean:** Dust and debris can interfere with the sensor. Gently clean the thermostat with a soft cloth.
- **Update Programming as Needed:** Re-evaluate your heating and cooling schedule seasonally to ensure it meets your current needs.
- **Consult the Manual:** Refer to the Honeywell RTH2300B1012 manual for detailed instructions on troubleshooting and maintenance.

## Conclusion

The Honeywell RTH2300B1012 is an excellent choice for homeowners looking for a programmable thermostat that is simple to install and operate. With its energy-saving features and easy programming capabilities, it can significantly enhance home comfort while helping to lower energy costs. By following the installation instructions, programming your thermostat effectively, and performing regular maintenance, you can ensure that your Honeywell RTH2300B1012 serves your heating and cooling needs for years to come. For any further assistance, the manual provides a wealth of information that can guide you through advanced features and troubleshooting processes.

## Frequently Asked Questions

### What is the Honeywell RTH2300B1012?

The Honeywell RTH2300B1012 is a programmable digital thermostat designed for home heating and cooling systems, allowing users to set schedules and optimize energy use.

### How do I program the Honeywell RTH2300B1012?

To program the Honeywell RTH2300B1012, press the 'Menu' button, select 'Set Schedule', and then follow the prompts to set your desired heating and cooling times for each day of the week.

### What are the power requirements for the Honeywell RTH2300B1012?

The Honeywell RTH2300B1012 typically operates on 24V power, commonly supplied by a low-voltage transformer connected to heating and cooling systems.

## How can I reset the Honeywell RTH2300B1012 to factory settings?

To reset the Honeywell RTH2300B1012, press and hold the 'Menu' button for about 5 seconds, then select 'Reset' to restore the factory settings.

## What type of heating and cooling systems is compatible with the RTH2300B1012?

The Honeywell RTH2300B1012 is compatible with most gas, oil, and electric systems, as well as heat pumps without auxiliary heat.

## Can I change the temperature display on the Honeywell RTH2300B1012?

Yes, you can change the temperature display from Fahrenheit to Celsius by accessing the 'Menu', selecting 'Preferences', and then choosing your preferred unit.

## What features does the Honeywell RTH2300B1012 offer?

The Honeywell RTH2300B1012 offers features such as a 7-day programmable schedule, a backlit display, and a temporary hold option for manual control.

## How do I replace the batteries in the Honeywell RTH2300B1012?

To replace the batteries in the Honeywell RTH2300B1012, remove the thermostat from the wall plate, open the battery compartment at the back, and replace the old batteries with new AA batteries.

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