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## Honeywell Y87RF2024

# Honeywell Y87RF2024 Wireless Single Zone Thermostat Instruction Manual

Model: Y87RF2024 | Brand: Honeywell

## 1. INTRODUCTION AND OVERVIEW

The Honeywell Y87RF2024 Single Zone Thermostat provides wireless control over your home's heating system. Designed for ease of use and flexible placement, this thermostat allows you to manage your indoor climate effectively. When paired with the Honeywell RFG100 Internet Gateway (sold separately), it enables remote management of your heating schedule via the Total Connect Comfort application, offering convenience and energy efficiency.



*This image shows the Honeywell Y87RF2024 Wireless Single Zone Thermostat. It is a circular, white and grey device with a digital display showing '20.0 °C', a flame icon indicating heating, and a wireless signal icon.*

## 2. KEY FEATURES

- **Digital Wireless Thermostat:** Provides precise temperature control without wired connections to the boiler.
- **Secure Communication:** Operates on 868 MHz frequency for reliable and secure wireless communication.
- **Gas Boiler Compatibility:** Designed to work exclusively with gas boiler heating systems.
- **Remote Control Capability:** Enables control via smartphone or tablet when connected to the optional Honeywell RFG100 Internet Gateway (sold separately).
- **Programmable Functionality:** Becomes a fully programmable thermostat when integrated with the RFG100 gateway and the Total Connect Comfort application.

## 3. SETUP INSTRUCTIONS

Follow these steps for the initial setup of your Honeywell Y87RF2024 Thermostat:

1. **Unpacking:** Carefully remove all components from the packaging. Ensure no parts are missing or damaged.

2. **Battery Installation:** The thermostat requires 2 AA batteries (included). Gently twist the front cover counter-clockwise to detach it from the base. Insert the batteries, observing the correct polarity (+/-) indicated inside the compartment. Reattach the front cover by aligning and twisting clockwise until secure.
3. **Boiler Receiver Pairing:** The Y87RF2024 thermostat communicates wirelessly with a compatible boiler receiver (e.g., Honeywell BDR91, sold separately). Refer to the specific instructions provided with your boiler receiver for the pairing process. Typically, this involves putting the receiver into pairing mode and then activating pairing on the thermostat.
4. **Optional Internet Gateway Setup (RFG100):** If you intend to use remote control features via a smartphone or tablet, you will need the Honeywell RFG100 Internet Gateway (sold separately). Refer to the RFG100's separate instruction manual for its installation, connection to your home internet router, and linking it with your Y87RF2024 thermostat through the Total Connect Comfort app.

## 4. OPERATING INSTRUCTIONS

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Operating your Y87RF2024 thermostat is straightforward:

- **Adjusting Temperature:** To change the desired room temperature, simply rotate the outer ring of the thermostat. Rotate clockwise to increase the temperature and counter-clockwise to decrease it. The new set temperature will be displayed on the screen.
- **Display Backlight:** The digital display features a backlight that activates when you press the front of the thermostat or when you adjust the temperature, improving visibility in low light conditions.
- **Remote Control (with RFG100):** Once your thermostat is successfully connected to the RFG100 Internet Gateway and configured with the Total Connect Comfort app, you can adjust temperature settings, create heating schedules, and monitor your system from anywhere using your smartphone or tablet.

## 5. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your thermostat.

- **Battery Replacement:** The thermostat is powered by 2 AA batteries. A low battery indicator will appear on the display when replacement is needed. To replace, gently twist the thermostat from its base to access the battery compartment. Insert new AA batteries, ensuring correct polarity, then reattach the thermostat to its base.
- **Cleaning:** To clean the thermostat's exterior, use a soft, dry cloth. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the device.

## 6. TROUBLESHOOTING

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If you encounter issues with your thermostat, refer to the following common troubleshooting steps:

- **No Display:** If the display is blank, check the battery installation. Ensure the batteries are correctly inserted and have sufficient charge. Replace batteries if necessary.
- **No Heating or Boiler Not Responding:**
  - Verify that the thermostat is correctly paired with its boiler receiver.
  - Ensure the set temperature on the thermostat is higher than the current room temperature.
  - Check the boiler's power supply and operational status.
- **Connectivity Issues (with RFG100 Gateway):**
  - Confirm that the RFG100 gateway is powered on and has an active internet connection.
  - Check your home Wi-Fi network status.

- Try restarting both the RFG100 gateway and the Y87RF2024 thermostat.
- Consult the RFG100 manual for specific troubleshooting guidance related to internet connectivity and app control.

## 7. SPECIFICATIONS

<b>Brand</b>	Honeywell
<b>Model Number</b>	Y87RF2024
<b>Color</b>	White/Grey
<b>Dimensions (L x W x H)</b>	8.3 x 3.3 x 8.3 cm
<b>Weight</b>	200 grams
<b>Voltage</b>	230 Volts
<b>Power Source</b>	Battery Powered (2 AA batteries included)
<b>Connectivity Technology</b>	RF (868 MHz)
<b>Special Feature</b>	Programmable (requires RFG100 Gateway)
<b>Controller Type</b>	App Control (requires RFG100 Gateway)
<b>Product Use</b>	Heating
<b>Included Components</b>	Thermostat (RFG100 Gateway sold separately)

## 8. WARRANTY AND SUPPORT

**Warranty Information:** For detailed information regarding the product warranty, please refer to the warranty card or documentation included with your purchase. You can also find this information on the official Honeywell website.

**Customer Support:** Should you require technical assistance, have questions about installation, operation, or troubleshooting that are not covered in this manual, please contact Honeywell customer support. Contact details can typically be found on the Honeywell website or in your product packaging.