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› Honeywell Y87RFC2066 Wireless Thermostat Kit Instruction Manual

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Model: Y87RFC2066

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Honeywell Y87RFC2066 Wireless Thermostat Kit. This kit is designed to provide efficient and convenient control over your heating system. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. PRODUCT OVERVIEW

The Honeywell Y87RFC2066 kit consists of three primary components: a wireless thermostat, a receiver unit, and an internet gateway. These components work together to allow local and remote control of your heating system.



This image displays the three main components of the Honeywell Y87RFC2066 kit. At the top is the white internet gateway, featuring the Honeywell logo and indicator lights for power, internet connection, and wireless signal. Below and to the left is the white receiver unit, which connects to the heating system and has a small button and indicator lights. To the right is the round wireless thermostat with a digital display showing '20.5 °C' and a flame icon, indicating heating is active.

2.1. Components

- **Wireless Thermostat:** This portable unit measures the room temperature and allows you to set your desired temperature. It features a digital display.
- **Receiver Unit:** This unit connects directly to your heating system (e.g., boiler). It receives commands from the wireless thermostat and the internet gateway to switch the heating on or off.
- **Internet Gateway:** This device connects to your home internet router via an RJ45 cable and communicates wirelessly with the receiver and thermostat. It enables remote control via a smartphone application.

3. SETUP

Proper installation is crucial for the optimal performance of your Honeywell Y87RFC2066 kit. It is recommended that installation be performed by a qualified professional.

3.1. Receiver Unit Installation

1. **Power Off:** Before beginning, ensure the main power supply to your heating system is switched off at the consumer unit.
2. **Mounting:** Mount the receiver unit in a suitable location near your boiler, ensuring it is not exposed to direct heat or moisture.
3. **Wiring:** Connect the receiver unit to your boiler's control terminals according to the wiring diagram provided with your boiler and the receiver unit. The receiver operates on 230 Volts.
4. **Power On:** Once wiring is complete and secure, restore power to your heating system. The receiver's indicator lights should illuminate.

3.2. Internet Gateway Connection

1. **Connect to Router:** Use an RJ45 Ethernet cable to connect the internet gateway to an available LAN port on your home internet router.
2. **Power On:** Connect the power adapter to the gateway and plug it into a wall socket. The gateway's indicator lights should show power and network activity.
3. **Internet Connection:** Wait for the internet indicator light on the gateway to show a stable connection, indicating it has successfully connected to your home network and the internet.

3.3. Thermostat Pairing

1. **Activate Pairing Mode (Receiver):** Press and hold the pairing button on the receiver unit until its indicator light flashes, indicating it is in pairing mode.
2. **Activate Pairing Mode (Thermostat):** Follow the instructions in the thermostat's specific guide to put it into pairing mode. This usually involves a button press sequence.
3. **Confirmation:** Once paired, the indicator lights on both the receiver and thermostat will change to a solid state, confirming a successful connection.

3.4. Mobile Application Setup

- **Download App:** Download the official Honeywell mobile application (compatible with iOS, as specified) from your device's app store.
- **Create Account:** Open the app and create a user account, or log in if you already have one.
- **Add Device:** Follow the in-app instructions to add your Honeywell Y87RFC2066 kit. This typically involves scanning a QR code on the gateway or entering a serial number.
- **Configuration:** Configure your heating zones, schedules, and preferences within the application.

4. OPERATING INSTRUCTIONS

The Honeywell Y87RFC2066 kit offers flexible control options for your heating system.

4.1. Local Control (Thermostat)

- **Adjusting Temperature:** Use the controls on the wireless thermostat to manually increase or decrease the desired room temperature. The digital display will show the current and set temperatures.
- **Heating Indicator:** A flame icon on the thermostat display indicates when the heating system is actively running to reach the set temperature.

4.2. Remote Control (Mobile Application)

- **Temperature Adjustment:** Open the Honeywell app on your smartphone to view the current room temperature and adjust the setpoint remotely.

- **Scheduling:** The app allows you to create and modify heating schedules for different times of the day and week, optimizing energy usage.
- **Modes:** Switch between different operating modes such as 'Home', 'Away', 'Sleep', or custom modes, depending on your needs.

5. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your thermostat kit.

- **Cleaning:** Wipe the surfaces of the thermostat, receiver, and gateway with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement (Thermostat):** If the thermostat uses batteries, replace them when the low battery indicator appears on the display. Refer to the thermostat's specific guide for battery type and replacement procedure.
- **Connection Check:** Periodically check all wired connections (power, boiler, Ethernet) to ensure they are secure.
- **Software Updates:** Ensure your mobile application is updated to the latest version. The gateway firmware may also receive automatic updates.

6. TROUBLESHOOTING

If you encounter issues with your Honeywell Y87RFC2066 kit, refer to the following common problems and solutions.

| Problem | Possible Cause | Solution |
|--|---|--|
| No power to receiver/gateway | Power cable disconnected, circuit breaker tripped. | Check power connections. Reset circuit breaker if necessary. |
| Thermostat not communicating with receiver | Out of range, batteries low, pairing lost. | Move thermostat closer to receiver. Replace batteries. Re-pair thermostat and receiver. |
| Gateway not connecting to internet | Ethernet cable loose, router issue, internet outage. | Check Ethernet cable connection. Restart router. Verify internet service. |
| Remote control via app not working | Gateway offline, app not updated, server issues. | Ensure gateway has internet connection. Update app. Check Honeywell service status. <i>Note: If internet connection is lost, remote control and scheduling will not function. The system will operate based on the last set temperature on the thermostat.</i> |
| Incorrect temperature reading | Thermostat placed near heat source/draft, sensor malfunction. | Relocate thermostat to a central area away from direct heat or cold drafts. |

7. SPECIFICATIONS

- **Brand:** Honeywell
- **Model Number:** Y87RFC2066
- **Color:** White/Grey
- **Voltage:** 230 Volts
- **Connectivity Technology:** Wi-Fi
- **Controller Type:** iOS (via mobile application)
- **Specific Product Uses:** Thermostat
- **Temperature Control Type:** Smart/Remote
- **Components Included:** Thermostat, Receiver, Gateway (Podio)
- **Power Source:** Electric Cable
- **Package Dimensions:** 21 x 19.6 x 10.2 cm
- **Item Weight:** 680 g

8. 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 support website or contact their customer service department.

- **Manufacturer:** Honeywell
- **Spare Parts Availability:** Information unavailable.