Noritz RC-7651M

Noritz RC-7651M Remote Controller Instruction Manual

For Tankless Water Heaters

INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Noritz RC-7651M Remote Controller. This unit is designed to work with most Noritz tankless water heater models, offering convenient temperature adjustment, access to unit diagnostics, and error code history. It also includes a temperature lockout safety feature. Please read all instructions carefully before using this appliance to ensure safe and efficient operation.

PRODUCT OVERVIEW

The Noritz RC-7651M is a user-friendly remote controller for your tankless water heater. It features a clear digital display and intuitive buttons for easy control.

Figure 1: Front view of the Noritz RC-7651M Remote Controller. The display shows '120' and '°F'. Buttons include 'UP', 'DOWN', 'POWER ON/OFF', and 'FLOW METER ALARM SET'. Indicator lights for 'PRIORITY' and 'BURNER ON' are also visible.

Key Features:

- Easy temperature adjustment for optimal comfort.
- Access to maintenance and troubleshooting data for quick diagnostics.
- Designed for indoor applications.
- Temperature lock-out option to prevent accidental high-temperature settings.

SETUP AND INSTALLATION

The Noritz RC-7651M remote controller is designed for straightforward installation. It requires connection to your tankless water heater using either an RC-CORD10/26 cable or 18 AWG bell wire. Ensure all connections are secure and follow local electrical codes.

Installation Steps:

1. **Power Disconnection:** Before beginning installation, ensure the power supply to the tankless water heater is completely disconnected.
2. **Mounting Location:** Select an indoor location for the remote controller that is easily accessible and away from direct heat or moisture.
3. **Wiring:** Connect the remote controller to the tankless water heater using the appropriate wiring (RC-CORD10/26 or 18 AWG bell wire). Refer to your tankless water heater's main instruction manual for specific wiring diagrams and connection points.
4. **Secure Mounting:** Secure the remote controller to the wall using appropriate fasteners.
5. **Power Reconnection:** Once installation is complete and all connections are verified, restore power to the tankless water heater.

Important: For detailed wiring instructions, consult the installation manual provided with your Noritz tankless water heater. Incorrect wiring can lead to malfunction or damage.

OPERATING INSTRUCTIONS

The RC-7651M remote controller provides intuitive control over your tankless water heater's settings.

Basic Operation:

- **Power ON/OFF:** Press the **POWER ON/OFF** button to turn the water heater on or off. A green indicator light will illuminate when the unit is powered on.
- **Temperature Adjustment:** Use the **UP** and **DOWN** arrow buttons to adjust the desired water temperature. The current temperature setting will be displayed on the digital screen.
- **Priority Indicator:** The **PRIORITY** light indicates if the remote controller has priority over other connected controllers (if applicable).
- **Burner On Indicator:** The **BURNER ON** light illuminates when the water heater's burner is actively heating water.

Advanced Features:

- **Temperature Lock-Out:** This feature prevents the water temperature from being set above a certain limit, enhancing safety and preventing scalding. Refer to your water heater's main manual for instructions on how to activate or adjust this setting.
- **Flow Meter Alarm Set:** Press the **FLOW METER ALARM SET** button to access or adjust settings related to water flow alarms. Consult your water heater's manual for specific details on this function.
- **Diagnostics and Error Codes:** The remote controller can display diagnostic information and error codes from the tankless water heater. This is crucial for troubleshooting. Refer to the water heater's manual for a comprehensive list

of error codes and their meanings.

WARNING: Hot water heater temperature over 125°F (55°C) can cause severe burns instantly or death from scalding. Always check actual and controller water temperature before entering a shower or bath.

MAINTENANCE

The Noritz RC-7651M Remote Controller requires minimal maintenance. Regular cleaning and inspection will help ensure its longevity and proper function.

Cleaning:

- Wipe the surface of the controller with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the display or casing.

Inspection:

- Periodically check the wiring connections to ensure they are secure and free from damage.
- Ensure the controller is firmly mounted to the wall.

For maintenance related to the tankless water heater itself, refer to its dedicated instruction manual.

TROUBLESHOOTING

If you encounter issues with your Noritz RC-7651M Remote Controller, refer to the following common problems and solutions. For more complex issues or error codes, consult your tankless water heater's main manual or contact Noritz customer support.

Problem	Possible Cause	Solution
Controller display is blank.	No power to the unit or loose connection.	Check power supply to the water heater. Ensure wiring to the controller is secure.
Cannot adjust temperature.	Temperature lock-out feature is active or another controller has priority.	Deactivate temperature lock-out (refer to water heater manual). Check other controllers for priority settings.
Error code displayed.	Indicates an issue with the tankless water heater.	Note the error code and consult your tankless water heater's manual for specific troubleshooting steps.
Water not heating to desired temperature.	Incorrect temperature setting or issue with the water heater.	Verify the temperature setting on the controller. If correct, refer to the water heater's manual for troubleshooting heating issues.

SPECIFICATIONS

Feature	Detail
Model Number	RC-7651M
Brand	Noritz

Feature	Detail
Part Number	RC-7651M
Item Weight	9.5 ounces
Product Dimensions	6 x 5.5 x 1.8 inches
Material	Plastic
Item Package Quantity	1
Special Features	Ergonomic design for ease of use.
Included Components	1 (Remote Controller)
Batteries Required	No
Connectivity	Requires RC-CORD10/26 or 18 AWG bell wire (not included)

WARRANTY INFORMATION

The Noritz RC-7651M Remote Controller comes with a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms, conditions, and to make a warranty claim, please refer to the warranty documentation included with your product or visit the official Noritz website.
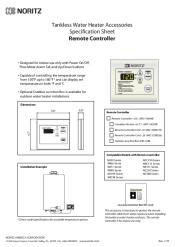
CUSTOMER SUPPORT

For technical assistance, troubleshooting, or questions regarding your Noritz RC-7651M Remote Controller or tankless water heater, please contact Noritz customer support.

- **Noritz Official Website:** www.noritz.com
- Refer to your product packaging or the main water heater manual for specific contact numbers and service hours.

When contacting support, please have your model number (RC-7651M) and the serial number of your tankless water heater readily available.

Related Documents - RC-7651M

[Noritz Condensing Tankless Gas Water Heater Owner's Guide](#)

Comprehensive owner's guide for Noritz condensing tankless gas water heaters, covering safe operation, installation, maintenance, and troubleshooting for EZ and NRCR series models.

[Noritz Tankless Water Heater Remote Controller Specification Sheet](#)

Specification sheet detailing the features, dimensions, compatible models, and installation information for the Noritz Remote Controller accessory for tankless water heaters.

[Noritz NR501 Series Residential Tankless Water Heater Specification Sheet](#)

Detailed specifications for the Noritz NR501 Series Residential Tankless Water Heater, including performance, dimensions, safety features, and approvals. This outdoor model offers efficient heating with various temperature controls and limited warranties.

[Noritz NR501 Series Residential Tankless Water Heater Specification Sheet](#)

Detailed specifications for the Noritz NR501 Series Residential Tankless Water Heater (Model NR501-OD), including features, dimensions, flow rates, efficiency, warranties, and approvals. Designed for outdoor installation.

[Noritz Tankless Water Heater System Enhances Hotel Hot Water Supply](#)

A case study detailing how Noritz tankless water heating units were installed to meet the high hot water demands of a hotel, ensuring guest comfort and operational efficiency. This implementation by ASA distributors highlights the benefits of efficient commercial water heating.

[Noritz NCC199CDV Commercial Condensing Water Heater - Specification Sheet](#)

Detailed specification sheet for the Noritz NCC199CDV Commercial Condensing Water Heater, including features, dimensions, flow rates, pressure drop, and technical specifications.