

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Rheem](#) /

› [Rheem RRTG20006DW Digital Display Remote Control \(UMC-117\) Instruction Manual](#)

Rheem RTG20006DW

Rheem RRTG20006DW Digital Display Remote Control (UMC-117) Instruction Manual

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Rheem RRTG20006DW Digital Display Remote Control, also known as UMC-117. This remote control is designed to provide precise temperature management for compatible Rheem tankless water heaters, enhancing user comfort and system efficiency.

2. SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow these instructions could result in property damage, personal injury, or death. Keep this manual for future reference.

- **Electrical Safety:** Ensure power to the water heater is disconnected before attempting any installation or maintenance. All electrical work should be performed by a qualified professional.
- **Water Safety:** Be aware of potential water leaks during installation. Turn off the water supply to the water heater if necessary.
- **Professional Installation:** If you are unsure about any part of the installation process, consult a qualified technician.
- **Avoid Scalding:** Always test water temperature before use to prevent scalding.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- Rheem RRTG20006DW Digital Display Remote Control (UMC-117)
- Mounting hardware (screws, wall plate)

Note: Connecting wires (typically 18/2 gauge) are not included and must be supplied separately.

4. SETUP AND INSTALLATION

The Rheem RRTG20006DW remote control is designed for straightforward replacement or new installation. Follow these steps:

1. **Power Disconnection:** Before beginning, ensure the power supply to your tankless water heater is completely disconnected at the circuit breaker.

2. **Remove Existing Remote (if applicable):** If replacing an existing remote, locate the bottom center set screw. Loosen or remove this screw. Gently pivot the bottom of the remote away from the wall. The unit is typically secured by two hooks on the upper sides that mate with a metal wall mounting plate. Lift the remote upwards to detach it from the wall plate.
3. **Wiring Connection:** Connect the 18/2 gauge wires from the water heater to the terminals on the back of the new remote control. The wiring polarity (positive/negative) is generally not a factor for this unit. Existing wires are often colored red and white.
4. **Mounting:** Secure the new remote control to the wall mounting plate. Ensure it is level and firmly attached. Re-insert and tighten the bottom center set screw.
5. **Power Reconnection:** Once the remote is securely installed and wired, restore power to the water heater at the circuit breaker.



This image displays the Rheem RRTG20006DW Digital Display Remote Control, also known as UMC-117. The remote features a digital display, 'PRIORITY' indicator, up and down arrow buttons, and a 'POWER ON/OFF' button. Dimensions are indicated on the right, showing a height of approximately 4.9 inches (12 cm).

5. OPERATION

The Rheem RRTG20006DW remote control provides intuitive operation for your tankless water heater.

- **Power On/Off:** Press the **POWER ON/OFF** button to turn the water heater system on or off.
- **Temperature Adjustment:** Use the **Up** (▲) and **Down** (▼) arrow buttons to adjust the desired water temperature. The digital display will show the current temperature setting. Temperature can typically be adjusted in 2-degree increments.
- **Digital Display:** The display shows the set temperature and may indicate system status or error codes.
- **PRIORITY Indicator:** This indicator illuminates when the remote control has priority over other potential control units in a multi-controller setup.

6. MAINTENANCE

The Rheem RRTG20006DW remote control requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Wipe the surface of the remote control with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Environment:** Ensure the remote control is installed in a dry location, away from excessive humidity or corrosive materials (e.g., salt, strong detergents) to prevent potential corrosion of internal components.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your remote control.

Problem	Possible Cause	Solution
Remote display is blank or unresponsive.	No power to the water heater or remote, loose wiring connection.	Check the circuit breaker for the water heater. Verify that the wiring connections to the remote control are secure.
Error Code 76 (or C4-C7) displayed.	Communication error between the remote control and the water heater unit.	Ensure all wiring connections are tight and free from damage. Power cycle the water heater (turn off at breaker for 30 seconds, then turn back on). <i>Advanced troubleshooting:</i> Some users have reported success by installing a 47uF, 50V ceramic disk capacitor across the remote control terminals to filter communication line noise. This should only be attempted by qualified individuals with electrical experience. If the issue persists, the remote control or the water heater's main control board may require replacement.
Incorrect temperature displayed or adjusted.	Sensor issue or communication problem.	Power cycle the water heater. Ensure the remote is not exposed to extreme temperatures or direct sunlight, which could affect its internal sensor.

For more detailed diagnostic information, refer to the full technical manual for your specific Rheem tankless water heater model or contact Rheem customer support.

8. SPECIFICATIONS

Brand	Rheem
Model Name	RRTG20006DW (UMC-117)
Item Weight	9.6 ounces
Connectivity Technology	Infrared (Note: This refers to internal communication, the unit is wired to the water heater)
Controller Type	Button Control
Maximum Number of Supported Devices	1
Approximate Dimensions (Height)	4.9 inches (12 cm)

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Rheem customer service. Keep your purchase receipt and product model number handy when contacting support.

Rheem Customer Support: Refer to the official Rheem website or your water heater's main manual for current contact information.