

Manuals+

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

manuals.plus /

› [Rheem](#) /

› [Rheem SP11698 Electric Thermostat Instruction Manual](#)

Rheem SP11698

Rheem SP11698 Electric Thermostat

Model: SP11698 | Brand: Rheem

INTRODUCTION

The Rheem SP11698 Electric Thermostat is designed for use in residential electric water heaters. This unit provides reliable temperature control and features a high-limit safety mechanism to prevent overheating. Proper installation and operation are crucial for safety and optimal performance.

IMPORTANT SAFETY INFORMATION

Please read and understand all instructions before installing or operating this thermostat. Failure to follow these instructions could result in property damage, personal injury, or death.

- **Disconnect Power:** Always turn off the main power supply to the water heater at the circuit breaker or fuse box before performing any installation, maintenance, or troubleshooting.
- **Qualified Personnel:** Installation and servicing of this thermostat should only be performed by a qualified electrician or plumber.
- **Water Temperature:** Be aware that water temperatures above 125°F (52°C) can cause severe burns or scalding. Exercise caution when setting the thermostat.
- **Proper Wiring:** Ensure all wiring connections are secure and comply with local electrical codes.
- **Grounding:** The water heater and all electrical components must be properly grounded.

INSTALLATION

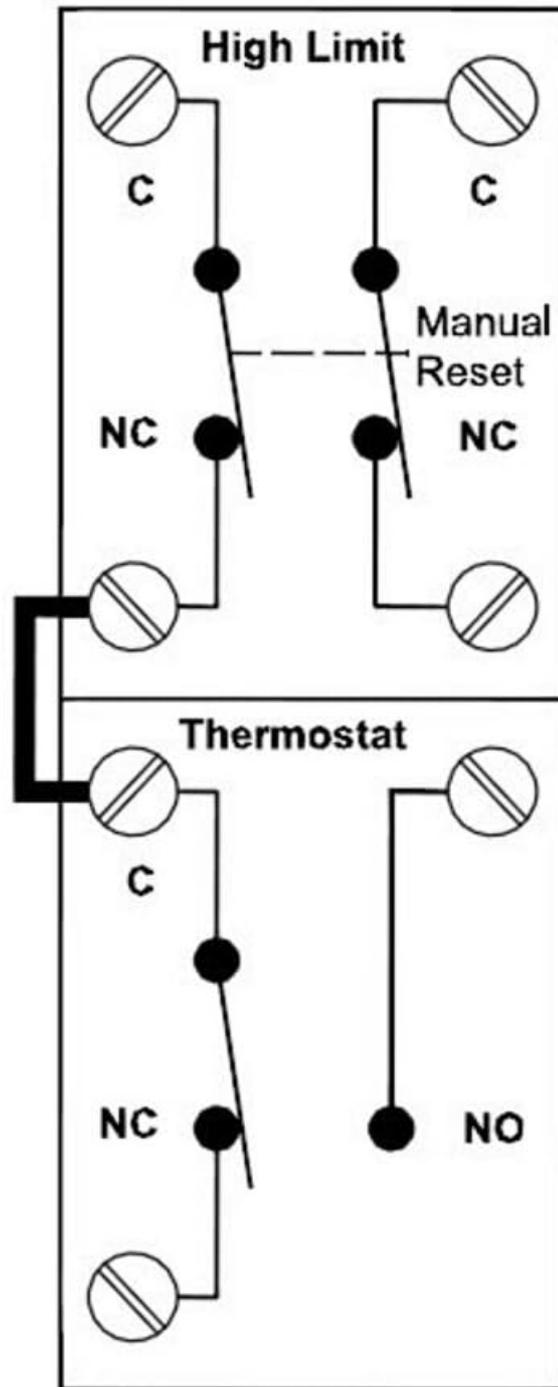
Before You Begin

- Ensure the water heater is completely drained and depressurized if replacing elements or performing extensive work.
- Turn off all power to the water heater at the main electrical panel. Verify power is off using a voltage tester.
- Remove the access panels and insulation covering the existing thermostat.
- Take a clear photograph of the existing wiring connections before disconnecting any wires. This will serve as a reference.

Wiring Instructions

The Rheem SP11698 thermostat is designed for straightforward replacement. Carefully disconnect the wires from the old thermostat, noting their positions. Connect the wires to the new Rheem SP11698 thermostat in the exact same configuration. Refer to the wiring diagram below for contact configuration details.

Contact Configuration



Legend:

C = Common

NC = Normally Closed

NO = Normally Open

Note:

Contacts open when temperature is above setpoint

Figure 1: Contact Configuration Diagram

This diagram illustrates the internal contact configuration for both the High Limit and Thermostat sections. 'C' denotes

Common, 'NC' denotes Normally Closed, and 'NO' denotes Normally Open. Contacts open when the temperature is above the setpoint. The manual reset feature is also indicated for the High Limit.

After wiring, ensure the thermostat is securely mounted against the water heater tank. Replace insulation and access panels.

Product Overview Video

Your browser does not support the video tag.

Video 1: Rheem SP11698 Electric Thermostat Product Overview

This video provides a visual overview of the Rheem SP11698 Electric Thermostat, highlighting its key features and demonstrating its physical characteristics. While not a step-by-step installation guide, it offers helpful context for understanding the product.

OPERATION

Once installed and power is restored, the thermostat will begin regulating the water temperature. The Rheem SP11698 features a temperature control dial for setting the desired water temperature and a high-limit safety reset.

- **Temperature Setting:** Adjust the temperature dial to your preferred setting. It is recommended to set the temperature between 120°F (49°C) and 125°F (52°C) to balance comfort and energy efficiency while minimizing scalding risk.
- **High-Limit Reset:** If the water temperature exceeds a safe limit, the high-limit switch will trip, cutting power to the heating elements. To reset, press the red manual reset button located on the thermostat. If the high-limit trips repeatedly, consult a qualified technician to diagnose the underlying issue.

MAINTENANCE

Regular maintenance helps ensure the longevity and efficient operation of your water heater and thermostat.

- **Annual Inspection:** Have a qualified technician inspect your water heater and its components, including the thermostat, annually.
- **Check Connections:** Periodically, with power disconnected, check all electrical connections to the thermostat and heating elements to ensure they are tight and free from corrosion.
- **Keep Area Clear:** Ensure the area around the water heater is clear of obstructions and flammable materials.

TROUBLESHOOTING

If you experience issues with your water heater, the thermostat may be a factor. Always disconnect power before inspecting components.

Problem	Possible Cause	Solution
No hot water	High-limit switch tripped	Press the red manual reset button. If it trips again, investigate further.
No hot water	Thermostat failure	Test thermostat for continuity. Replace if faulty.
Water too hot/cold	Incorrect temperature setting	Adjust the temperature dial to the desired setting.

Problem	Possible Cause	Solution
Water too hot/cold	Faulty thermostat	Test thermostat for proper operation. Replace if temperature regulation is inconsistent.

For persistent issues or if you are unsure about any troubleshooting steps, contact a qualified service technician.

SPECIFICATIONS

Feature	Detail
Brand	Rheem
Model Name	Rheem SP11698 Electric Thermostat
Part Number	SP11698
Product Dimensions	2"D x 3.6"W x 2"H
Controller Type	Touch
Special Feature	High-Limit Protection
Color	Black
Specific Uses For Product	Water heaters
Temperature Control Type	Digital
Power Source	Corded Electric
Voltage	220 Volts
Item Weight	5.6 ounces
UPC	020352381794

WARRANTY AND SUPPORT

For specific warranty information regarding your Rheem SP11698 Electric Thermostat, please refer to the documentation included with your purchase or visit the official Rheem website. If you require technical assistance, replacement parts, or have questions not covered in this manual, please contact Rheem customer support directly.

Rheem Customer Support: Please visit www.rheem.com/support for contact information and additional resources.