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## Robertshaw 5300-711

# Robertshaw 5300-711 Electric Cook Control Thermostat User Manual

Model: 5300-711

## 1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of the Robertshaw 5300-711 Electric Cook Control Thermostat. This device is designed to regulate the temperature in electric cooking appliances within a range of 200 to 400 degrees Fahrenheit. Please read this manual thoroughly before installation and use to ensure proper function and safety.

## 2. SAFETY INFORMATION

**WARNING:** Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- Always disconnect power to the appliance before installing, servicing, or removing the control.
- Installation and service must be performed by a qualified installer, service agency, or gas supplier.
- Ensure all wiring connections comply with local electrical codes and the appliance manufacturer's specifications.
- Do not operate the appliance if any part has been submerged in water.
- Keep packaging materials away from children.

## 3. PACKAGE CONTENTS

Verify that all components are present before proceeding with installation.

- 1 x Robertshaw 5300-711 Electric Cook Control Thermostat
- 1 x Temperature Sensor (included component)



Figure 1: Robertshaw 5300-711 Electric Cook Control Thermostat. This image shows the main unit of the thermostat, typically black in color, with connection points for electrical wiring and the temperature sensor.

## 4. INSTALLATION AND SETUP

**IMPORTANT:** Installation must be performed by a qualified technician in accordance with all applicable electrical codes and appliance manufacturer's instructions.

1. **Power Disconnection:** Before beginning any work, ensure the main power supply to the cooking appliance is completely disconnected at the circuit breaker or fuse box.

2. **Access Old Control:** Carefully access the existing cook control or the designated mounting location within the appliance. This may involve removing panels or covers.
3. **Remove Old Control (if applicable):** If replacing an existing control, carefully disconnect all wires and the temperature sensor from the old unit. Note the position and color of each wire for correct re-connection.
4. **Mounting:** Mount the Robertshaw 5300-711 control in the same location as the original unit, or as specified by the appliance manufacturer. This unit is designed for wall mount applications.
5. **Wiring:** Connect the electrical wires to the new control according to the wiring diagram provided by the appliance manufacturer and any labels on the control itself. Ensure all connections are secure and properly insulated.
6. **Temperature Sensor Installation:** Install the included temperature sensor into its designated position within the oven cavity or cooking area, as per the appliance manufacturer's instructions. Ensure the sensor bulb is not touching any metal surfaces directly, which could affect temperature readings.
7. **Secure Connections:** Double-check all wiring and sensor connections for tightness and correct placement.
8. **Restore Power:** Once installation is complete and all covers are replaced, restore power to the appliance.

## 5. OPERATING INSTRUCTIONS

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The Robertshaw 5300-711 Electric Cook Control Thermostat regulates the temperature of your electric cooking appliance. Operation typically involves setting the desired temperature via the appliance's control knob, which is connected to this thermostat.

1. **Power On:** Ensure the appliance has power.
2. **Set Temperature:** Rotate the appliance's temperature control knob to the desired setting within the 200°F to 400°F range. The thermostat will then activate the heating element to reach and maintain this temperature.
3. **Preheating:** Allow the appliance to preheat until the indicator light (if present on your appliance) turns off, signaling that the set temperature has been reached.
4. **Monitoring:** The thermostat continuously monitors the internal temperature and cycles the heating element on and off to maintain the set temperature.
5. **Power Off:** When cooking is complete, turn the appliance's control knob to the "OFF" position and allow the appliance to cool down.

*Note: The specific interface for setting the temperature (e.g., knob design, indicator lights) is part of your cooking appliance, not the internal thermostat itself. Refer to your appliance's user manual for detailed operational steps.*

## 6. MAINTENANCE

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The Robertshaw 5300-711 thermostat is designed for reliable operation and requires minimal maintenance. However, periodic checks can help ensure its longevity and proper function.

- **Power Disconnection:** Always disconnect power to the appliance before performing any maintenance.
- **Visual Inspection:** Periodically inspect the thermostat and its wiring for any signs of damage, loose connections, or corrosion.
- **Cleaning:** If accessible, gently clean any dust or debris from the exterior of the thermostat using a dry, soft cloth. Do not use liquid cleaners directly on the control.
- **Sensor Check:** Ensure the temperature sensor is securely in place and free from obstructions or damage.
- **Professional Service:** If you suspect a malfunction or observe any unusual behavior, contact a qualified service technician. Do not attempt to repair the thermostat yourself.

## 7. TROUBLESHOOTING

This section provides solutions to common issues. For problems not listed here, or if solutions do not resolve the issue, contact a qualified service technician.

Problem	Possible Cause	Solution
Appliance not heating.	No power to appliance. Faulty heating element. Thermostat malfunction. Loose wiring connection.	Check circuit breaker/fuse. Consult appliance manual for element testing. Have a qualified technician inspect/replace thermostat. Verify all wiring connections are secure (power off).
Temperature is inaccurate or inconsistent.	Faulty temperature sensor. Sensor improperly positioned. Thermostat calibration issue. Drafts or poor insulation in appliance.	Inspect sensor for damage; replace if necessary. Ensure sensor is correctly placed and not touching metal. Professional calibration or replacement may be needed. Check appliance door seals and insulation.
Appliance overheats.	Thermostat stuck in "ON" position. Short circuit in wiring.	Immediately disconnect power. Contact a qualified technician for inspection and repair/replacement.

## 8. SPECIFICATIONS

- **Brand:** Robertshaw
- **Model:** 5300-711
- **Temperature Control Type:** Heating
- **Temperature Range:** 200-400 degrees Fahrenheit
- **Included Components:** 1 x Temperature Sensor
- **Item Weight:** Approximately 1 Pound
- **Mounting Type:** Wall Mount
- **Fuel Type:** Electric
- **Color:** Black
- **UPC:** 094714300587

## 9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your original purchase or contact Robertshaw customer support directly. Robertshaw stands behind its products and offers technical assistance for installation and troubleshooting.

### Contact Information:

- Visit the official Robertshaw website for support resources and contact details.
- Refer to your appliance's user manual for specific service recommendations related to the integrated thermostat.

