

Zodiac 7727

Zodiac 7727 Dual Thermostat Switch Replacement Kit

Instruction Manual

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Zodiac 7727 Dual Thermostat Switch Replacement Kit. This kit is designed to replace the dual thermostat switch in select Zodiac Jandy pool and spa control systems. Please read this manual thoroughly before proceeding with any installation or maintenance to ensure proper function and safety.

The Zodiac 7727 Dual Thermostat Switch is compatible with:

- Zodiac Jandy LX/LT pool and spa heater models 250 and 400.
- Zodiac Jandy AquaSwitch power center models 7488 and 7300.

PRODUCT OVERVIEW

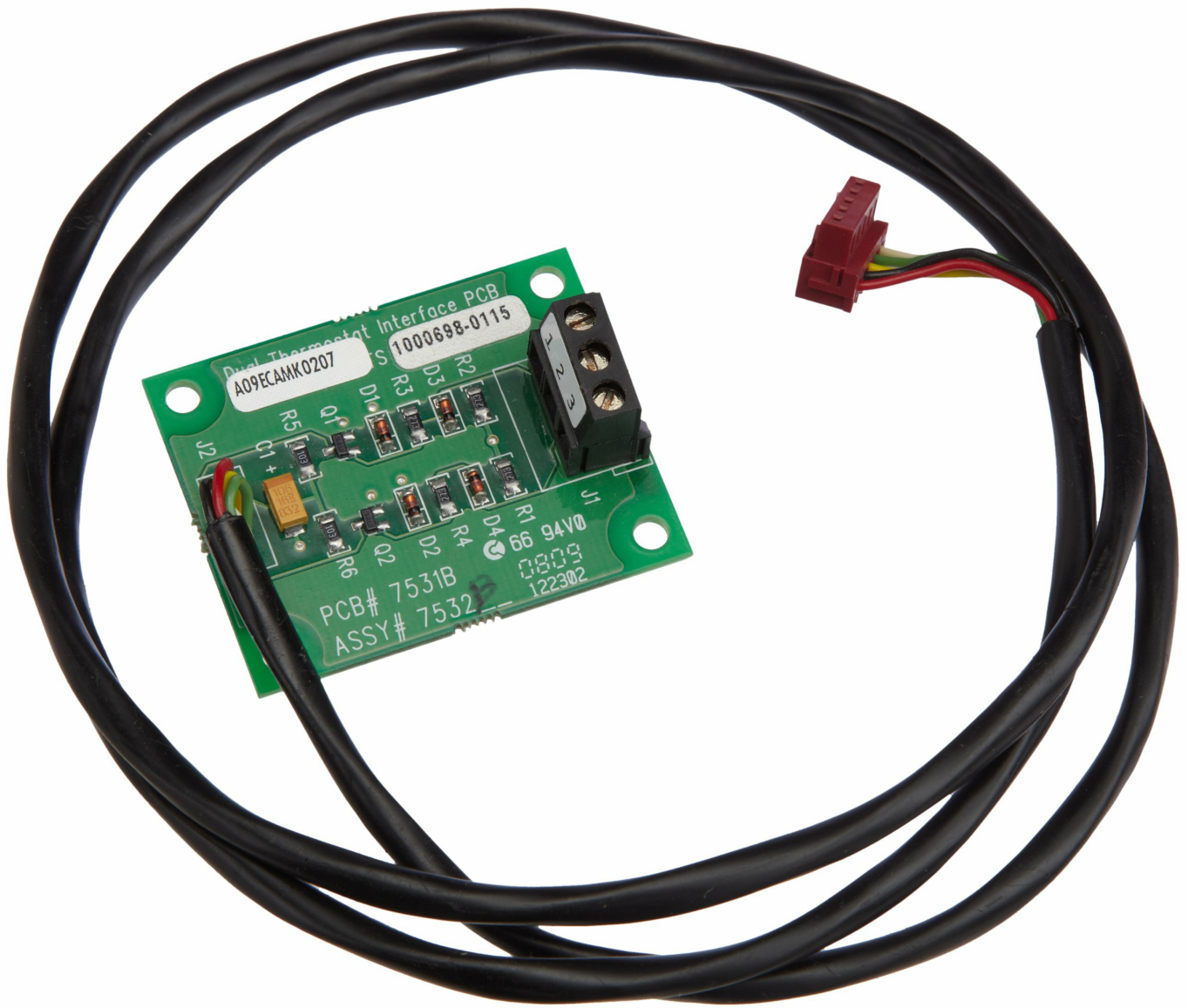


Figure 1: The Zodiac 7727 Dual Thermostat Switch Replacement Kit. This image displays the main component of the kit, which is a small green circuit board (PCB# 7531B, ASSY# 7532) with various electronic components, including resistors and capacitors. Two black insulated wires extend from the board, one terminating in a red four-pin connector, and the other connected to a screw terminal block on the board. The board is labeled "Dual Thermostat Interface PCB" and includes part number S1000698-0115.

The Zodiac 7727 kit provides a direct replacement for the dual thermostat switch, which is a critical component for regulating temperature within your pool or spa heating system. Its primary function is to monitor and control the heating elements, ensuring the water reaches and maintains the desired temperature efficiently and safely.

SETUP AND INSTALLATION

Safety First: Before beginning any installation, ensure that the power to your pool or spa control system is completely disconnected at the circuit breaker. Failure to do so can result in serious injury or electrical shock.

1. **Identify the Existing Component:** Locate the current dual thermostat switch within your Zodiac Jandy LX/LT heater or AquaSwitch power center. Refer to your specific heater or power center manual for its exact location.
2. **Disconnect Wiring:** Carefully note the wiring connections to the existing switch. It is recommended to take a photograph or draw a diagram of the connections before disconnecting them. Disconnect all wires from the old switch.
3. **Remove Old Switch:** Unmount the old dual thermostat switch from its position.

4. **Install New Switch:** Mount the new Zodiac 7727 Dual Thermostat Switch Replacement Kit in the same location as the old one. Ensure it is securely fastened.
5. **Connect Wiring:** Reconnect the wiring to the new switch exactly as it was connected to the old one, using your diagram or photograph as a reference. Ensure all connections are secure and properly seated. The red four-pin connector and the screw terminal block should match the existing connections.
6. **Verify Installation:** Double-check all connections to ensure they are correct and tight. Ensure no loose wires are present.
7. **Restore Power:** Once installation is complete and verified, restore power to the pool or spa control system at the circuit breaker.

If you are unsure about any step of the installation process, it is highly recommended to consult a qualified pool or spa technician.

OPERATING INSTRUCTIONS

The Zodiac 7727 Dual Thermostat Switch operates automatically once installed and integrated into your Zodiac Jandy control system. It functions by monitoring the water temperature and signaling the heater to activate or deactivate based on the set temperature points within your main control panel.

- **Temperature Control:** Adjust your desired pool or spa temperature using the main control panel of your Zodiac Jandy system. The dual thermostat switch will work in conjunction with the system to maintain this temperature.
- **Automatic Operation:** The switch will automatically engage the heating cycle when the water temperature falls below the set point and disengage it once the desired temperature is reached, preventing overheating and ensuring energy efficiency.
- **Monitoring:** Regularly check your system's display for current water temperature readings to ensure the system is operating as expected.

No direct user interaction with the thermostat switch itself is required during normal operation.

MAINTENANCE

The Zodiac 7727 Dual Thermostat Switch is designed for durability and typically requires minimal maintenance. However, periodic inspection can help ensure its longevity and proper function.

- **Visual Inspection:** Annually, or if you notice unusual heating behavior, visually inspect the switch and its connections. Ensure all wires are securely attached and there are no signs of corrosion, wear, or damage to the circuit board or wiring.
- **Cleanliness:** Keep the area around the switch clean and free from debris, dust, or moisture buildup, which can affect electronic components. Use a soft, dry cloth for cleaning. Do not use liquid cleaners directly on the switch.
- **Professional Check:** Consider having a qualified technician inspect your entire pool/spa control system, including the thermostat switch, during routine system maintenance.

If any damage is observed, or if the switch is not functioning correctly, it should be replaced immediately.

TROUBLESHOOTING

This section addresses common issues that may indicate a problem with the dual thermostat switch or related components. Always ensure power is disconnected before inspecting internal components.

Problem	Possible Cause	Solution
Heater cycles on and off too frequently.	Faulty thermostat switch.	Replace the dual thermostat switch.
Heater does not turn on.	No power to the system; faulty thermostat switch; issue with main control board.	Check circuit breaker. Verify wiring connections. Test the switch for continuity (if capable). If other components are functional, consider replacing the switch. Consult a technician for main control board issues.
Heater runs continuously.	Faulty thermostat switch (stuck in closed position).	Disconnect power immediately. Replace the dual thermostat switch.
Incorrect temperature readings.	Faulty thermostat switch or temperature sensor.	Verify the switch connections. If the issue persists, the temperature sensor or the switch may need replacement.

If troubleshooting steps do not resolve the issue, or if you are uncomfortable performing these checks, contact a certified pool and spa service professional.

SPECIFICATIONS

- **Product Name:** Dual Thermostat Switch Replacement Kit
- **Model Number:** 7727
- **Part Number:** 7727
- **Manufacturer:** Zodiac
- **Product Dimensions:** 34.04 x 15.49 x 6.1 cm (13.4 x 6.1 x 2.4 inches)
- **Item Weight:** 199.58 g (0.44 lbs)
- **Compatibility:** Zodiac Jandy LX/LT pool and spa heater models 250, 400; Zodiac Jandy AquaSwitch power center models 7488, 7300.
- **ASIN:** B008E6T67U
- **First Available:** 8 July 2013

WARRANTY AND SUPPORT

For information regarding the warranty of your Zodiac 7727 Dual Thermostat Switch Replacement Kit, please refer to the warranty documentation provided with your original Zodiac Jandy pool or spa control system, or contact Zodiac customer support directly. Warranty terms may vary based on purchase region and date.

For technical support, replacement parts, or service inquiries, please contact Zodiac customer service or visit the official Zodiac website. When contacting support, please have your product model number (7727) and any relevant system information ready.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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