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› Zodiac R0457200 High-Limit Set Replacement Instruction Manual

Zodiac R0457200

Zodiac R0457200 High-Limit Set Replacement

INSTRUCTION MANUAL

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Zodiac R0457200 High-Limit Set Replacement. This component is crucial for the safe and efficient functioning of compatible Zodiac Jandy Legacy and LXi Pool and Spa Heaters. Please read this manual thoroughly before attempting any installation or maintenance procedures.

2. PRODUCT OVERVIEW

The Zodiac R0457200 High-Limit Set is a safety component designed to prevent overheating in pool and spa heaters. It includes two sensors, rated at 130 degrees Fahrenheit and 150 degrees Fahrenheit, which monitor the water temperature and shut down the heater if safe limits are exceeded.

Key Features:

- High-limit set replacement for pool and spa heaters.
- Compatible with Zodiac Jandy Legacy LRZE, LRZM heater models 125, 175, 250, 325, 400.
- Also compatible with Zodiac Jandy LXi Low NOx heater models 250, 300, 400.
- Includes 130°F and 150°F sensors.



An image showing two Zodiac R0457200 high-limit sensors. Each sensor is a small, cylindrical component with two metal terminals

extending from one side. The sensors are gray and black, with 'L150-30F' printed on the side, indicating their temperature rating.

3. SETUP AND INSTALLATION

Installation of the high-limit set should be performed by a qualified pool technician or an individual with experience in pool heater maintenance. Incorrect installation can lead to equipment damage or safety hazards.

Safety Precautions:

- Always disconnect power to the heater before beginning any installation or maintenance.
- Ensure the heater is cool to the touch before handling components.
- Wear appropriate personal protective equipment (PPE).

Installation Steps:

1. Turn off the main power supply to the pool heater at the circuit breaker.
2. Locate the existing high-limit sensors within the heater's control panel or manifold. Refer to your specific heater model's service manual for exact location.
3. Carefully disconnect the wiring from the old sensors. Note the orientation and connection points for reinstallation.
4. Remove the old sensors. They may be threaded or held in place with clips.
5. Install the new Zodiac R0457200 high-limit sensors in the same location and orientation as the old ones. Ensure a secure fit.
6. Reconnect the wiring to the new sensors, ensuring correct polarity if applicable.
7. Secure any covers or panels removed during the process.
8. Restore power to the heater and test its operation according to the heater's owner's manual.

4. OPERATING PRINCIPLES

The Zodiac R0457200 High-Limit Set operates automatically as a safety device. It continuously monitors the water temperature within the heater. If the water temperature exceeds the preset limits (130°F or 150°F, depending on the sensor and heater design), the high-limit sensor will trip, interrupting the heater's operation to prevent damage from overheating. Once the temperature returns to a safe level, the sensor may reset automatically or require a manual reset, depending on the heater model and the specific sensor that tripped.

5. MAINTENANCE

The high-limit sensors themselves typically do not require routine maintenance. However, regular inspection of your pool heater system is recommended to ensure optimal performance and safety.

Recommended Checks:

- Periodically inspect the wiring connections to the sensors for corrosion or looseness.
- Ensure the area around the sensors is clean and free of debris.
- If the heater frequently trips the high-limit sensor, it may indicate an underlying issue with water flow, pump operation, or other heater components, which should be investigated by a professional.

6. TROUBLESHOOTING

If your pool heater is not operating or displaying an error code related to high temperature, the high-limit sensor may have tripped or failed.

Common Scenarios:

- **Heater Not Firing / Error Code:** If the heater displays a high-limit error or simply won't turn on, the sensor may have tripped. Check for adequate water flow through the heater.
- **Frequent Tripping:** If the high-limit sensor trips frequently, it is often a symptom of another problem, such as a clogged filter, a malfunctioning pump, low water flow, or a faulty thermostat. The sensor itself is likely functioning as intended by shutting down the heater for safety.
- **No Power to Heater:** Ensure the circuit breaker for the heater is on. If the sensor has failed internally, it may prevent the heater from receiving power.

If troubleshooting steps do not resolve the issue, or if you suspect a faulty high-limit sensor, it is recommended to consult a certified pool technician for diagnosis and repair.

7. SPECIFICATIONS

Attribute	Value
Product Dimensions	6 x 4 x 6 inches
Item Weight	0.458 ounces
Manufacturer	Zodiac
Model Number	R0457200
Temperature Ratings	130°F and 150°F
Compatibility	Zodiac Jandy Legacy LRZE, LRZM (125, 175, 250, 325, 400) and LXi Low NOx (250, 300, 400)

8. WARRANTY AND SUPPORT

For specific warranty information regarding the Zodiac R0457200 High-Limit Set, please refer to the documentation provided with your original Zodiac Jandy heater or visit the official Zodiac website. As a replacement part, its warranty may be tied to the original heater's warranty or a separate limited warranty for parts.

For technical support, troubleshooting assistance, or to locate authorized service centers, please contact Zodiac customer service or visit their official website. You can also find more information and products at the [Zodiac Store on Amazon](#).

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This manual is for informational purposes only. Always consult a qualified professional for installation and service.

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