

## Gecko in.yj2 (Part No. 0612-221034-315)

# Gecko in.yj2 Heat Recovery System

## Instruction Manual

### PRODUCT OVERVIEW

The Gecko in.yj2 Heat Recovery System is designed for spas that utilize the motor to heat the spa water, either through friction or a heat jacket, and do not include a dedicated heater. This system serves as a primary replacement for older thermal transfer systems such as TDI / Tridelta / Tecmark, as well as the discontinued Len Gordon HT-1000Y2K and Spa Builders LX-05 systems. It is a crucial component for efficient thermal management in compatible spa setups.



Image: Top view of the Gecko in.yj2 Heat Recovery System, showcasing its compact design and primary label.

### IMPORTANT SAFETY INFORMATION

Please read and understand all safety warnings before installing or operating the Gecko in.yj2 Heat Recovery System. Failure to follow these instructions could result in serious injury, property damage, or system malfunction.

#### WARNING • ATTENTION

- DISCONNECT POWER SUPPLY BEFORE OPENING COVER.
- CONNECT ONLY TO A GROUNDED CIRCUIT.
- IMPROPER WIRING MAY DAMAGE THIS CONTROL SYSTEM.
- NO USER SERVICEABLE PARTS INSIDE.
- SUITABLE FOR INDOOR USE ONLY OR WHEN INSTALLED UNDER A WEATHERPROOF OR SKIRT.
- FOR REPLACEMENT USE ONLY SAME TYPE AND RATING OF FUSE.
- USE COPPER CONDUCTORS RATED AT LEAST 90°C.
- FOR SIZED ON THE BASIS OF 60°C AMPACITY, 30°C.
- CONNECT ONLY TO A CIRCUIT PROTECTED BY A CLASS A GROUND FAULT CIRCUIT INTERRUPTER (GFCI).
- REFER TO WIRING DIAGRAM ON REAR OF COVER FOR CONNECTIONS.
- ENSURE THAT THE SCREW OF THE TERMINAL BLOCK ARE COMPLETELY UNSCREWED BEFORE INSERTING THE INPUT WIRES.



Image: Close-up view of the Gecko in.yj2 system's warning label, detailing critical safety instructions and specifications.

SPECIFICATIONS

Attribute	Detail
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Attribute	Detail
Model Number	in.yj2
Part Number	0612-221034-315
Product Dimensions	9.05 x 13.35 x 5.8 inches
Manufacturer	Gecko
System Voltage	120V - No heater
Main Circuit	2-Speed Pump 120V
Component Configuration	Pump1, no circulation pump option.
Spaside Control	Not included

## SETUP AND INSTALLATION

Installation of the Gecko in.yj2 Heat Recovery System should be performed by a qualified professional due to the electrical nature of the connections and the specific requirements for spa systems. This unit is designed as a direct replacement for specified older thermal transfer systems.

### Pre-Installation Checks:

- Ensure the power supply to the spa is completely disconnected at the circuit breaker before beginning any work.
- Verify that the new in.yj2 system matches the specifications and voltage requirements of your existing spa setup.
- Confirm that the installation location is suitable for indoor use or is protected by a weatherproof enclosure or skirt if outdoors.

### Wiring Instructions:

1. Refer to the detailed wiring diagram located on the rear of the system's cover for precise connection instructions.
2. Ensure all connections are made to a grounded circuit.
3. Use only copper conductors rated at least 90°C.
4. Connect the system only to a circuit protected by a Class A Ground Fault Circuit Interrupter (GFCI).
5. Before inserting input wires into the terminal block, ensure that the screws are completely unscrewed to prevent damage to the wires.
6. Secure all wiring connections firmly to prevent loose contacts.



Image: Angled view of the Gecko in.yj2 system, highlighting the various connection points for electrical wiring.

## OPERATING INSTRUCTIONS

The Gecko in.yj2 Heat Recovery System operates automatically once correctly installed and powered. Its primary function is to manage the heat generated by the spa's motor, transferring it efficiently to the spa water without the need for a separate heater.

### Normal Operation:

- Once power is restored to the spa, the in.yj2 system will begin monitoring and regulating the heat transfer from the pump motor.
- The system is designed to work seamlessly with your spa's existing pump (2-speed, 120V main circuit).
- No direct user interaction is typically required for the heat recovery function itself. Spa temperature control will be managed by the spa's main control system (if equipped with a separate spaside control).

## MAINTENANCE

The Gecko in.yj2 Heat Recovery System is designed for minimal maintenance. As there are no user-serviceable parts inside, do not attempt to open the unit for repairs or internal cleaning.

### General Care:

- Keep the exterior of the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Ensure the unit remains dry and is not exposed to direct water spray or excessive moisture, unless installed under a proper weatherproof enclosure.
- Periodically inspect all external wiring connections for any signs of wear, damage, or looseness. Address any issues promptly by disconnecting power and consulting a qualified technician.

TROUBLESHOOTING

If you experience issues with your spa's heating or the in.yj2 system, consider the following basic troubleshooting steps. For complex issues, always consult a qualified spa technician.

Common Issues and Solutions:

- No Heat or Insufficient Heat:**
  - Verify that the spa's pump motor is operating correctly, as the heat recovery system relies on its function.
  - Check the spa's main power supply and ensure the GFCI circuit breaker has not tripped.
  - Inspect all wiring connections to the in.yj2 unit for secure fit.
- System Not Powering On:**
  - Confirm that the main power to the spa is active.
  - Check the fuse within the in.yj2 unit (if accessible and specified in the wiring diagram) and replace only with the same type and rating.
  - Ensure all electrical connections are correct and secure according to the wiring diagram.

If troubleshooting steps do not resolve the issue, it is recommended to contact a certified spa technician or Gecko customer support for further assistance.

WARRANTY AND SUPPORT


For specific warranty terms and conditions related to your Gecko in.yj2 Heat Recovery System, please refer to the documentation provided at the time of purchase or contact Gecko customer support directly. Warranty coverage typically applies to manufacturing defects and does not cover damage resulting from improper installation, misuse, or unauthorized repairs.

Customer Support:




For technical assistance, troubleshooting beyond basic steps, or warranty claims, please contact Gecko customer support or your authorized dealer. When contacting support, have your product model number (in.yj2) and part number (0612-221034-315) readily available.

You may also visit the official Gecko website for additional resources and contact information[www.geckoalliance.com](http://www.geckoalliance.com)

Related Documents

	<p><a href="#">Gecko in.touch 3 &amp; 3+ TechBook: Control Your Spa Remotely</a></p> <p>Comprehensive guide to Gecko's in.touch 3 and in.touch 3+ modules, detailing features, installation, troubleshooting, and specifications for remote spa control and water monitoring.</p>
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	<p><a href="#">Gecko Y and in.xe Series Troubleshooting Guide</a></p> <p>Comprehensive troubleshooting guide for Gecko Y and in.xe series spa control systems, covering common error messages, LED diagnostics, and step-by-step solutions.</p>
	<p><a href="#">Gecko in.stream 2 Audio Station for Spas - TechBook</a></p> <p>Comprehensive TechBook for the Gecko in.stream 2 audio station for spas, covering installation, connections, Bluetooth pairing, firmware updates, specifications, and regulatory information.</p>
	<p><a href="#">Gecko in.touch 3 &amp; 3+ Home Quick Start Guide</a></p> <p>A quick start guide for setting up the Gecko in.touch 3 and 3+ Home system for spa remote control, including troubleshooting tips.</p>