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## Connecticut Electric EGS1012KG2

# Connecticut Electric Series 2 Backup Power Manual Transfer Switch Kit

Model: EGS1012KG2 | Brand: Connecticut Electric

## PRODUCT OVERVIEW

The Connecticut Electric Premium Series Two manual generator transfer switch is a professional-grade 50 Amp system designed to provide peace of mind during power outages. It features a 10-circuit distribution panel that safely connects your portable generator to essential home circuits. Engineered with advanced safety technology, this transfer switch prevents dangerous back feeding to utility lines and the generator when power is restored. This versatile unit can be installed indoors or outdoors, offering a reliable and cost-effective alternative for emergency preparedness.



Image: The complete Connecticut Electric Series 2 Manual Transfer Switch Kit, including the transfer switch panel, the 50 Amp power inlet box, and the 25-foot connecting cord.

## IMPORTANT SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury. This device must be installed by a qualified electrician in accordance with all national and local electrical codes.

- **DANGER:** Risk of electric shock. Disconnect all power sources before servicing.
- **WARNING:** To prevent back feeding, ensure the transfer switch is properly installed and operated.
- Do not exceed the maximum wattage or amperage ratings of the unit.
- Ensure proper ventilation when operating a generator to avoid carbon monoxide poisoning.
- Keep children and unauthorized personnel away from the transfer switch and generator during operation.

## SETUP AND INSTALLATION

This section provides general guidelines for the installation of your Connecticut Electric Series 2 Transfer Switch Kit. For detailed, step-by-step instructions and wiring diagrams, refer to the comprehensive manual included with your product and consult a qualified electrician.

## Components Overview

- **Transfer Switch Panel:** The main unit with circuit breakers and transfer switches.
- **Power Inlet Box (CS6375):** Outdoor-rated box for connecting the generator cord.
- **25-foot Connecting Cord:** Heavy-duty cord to connect the generator to the inlet box.

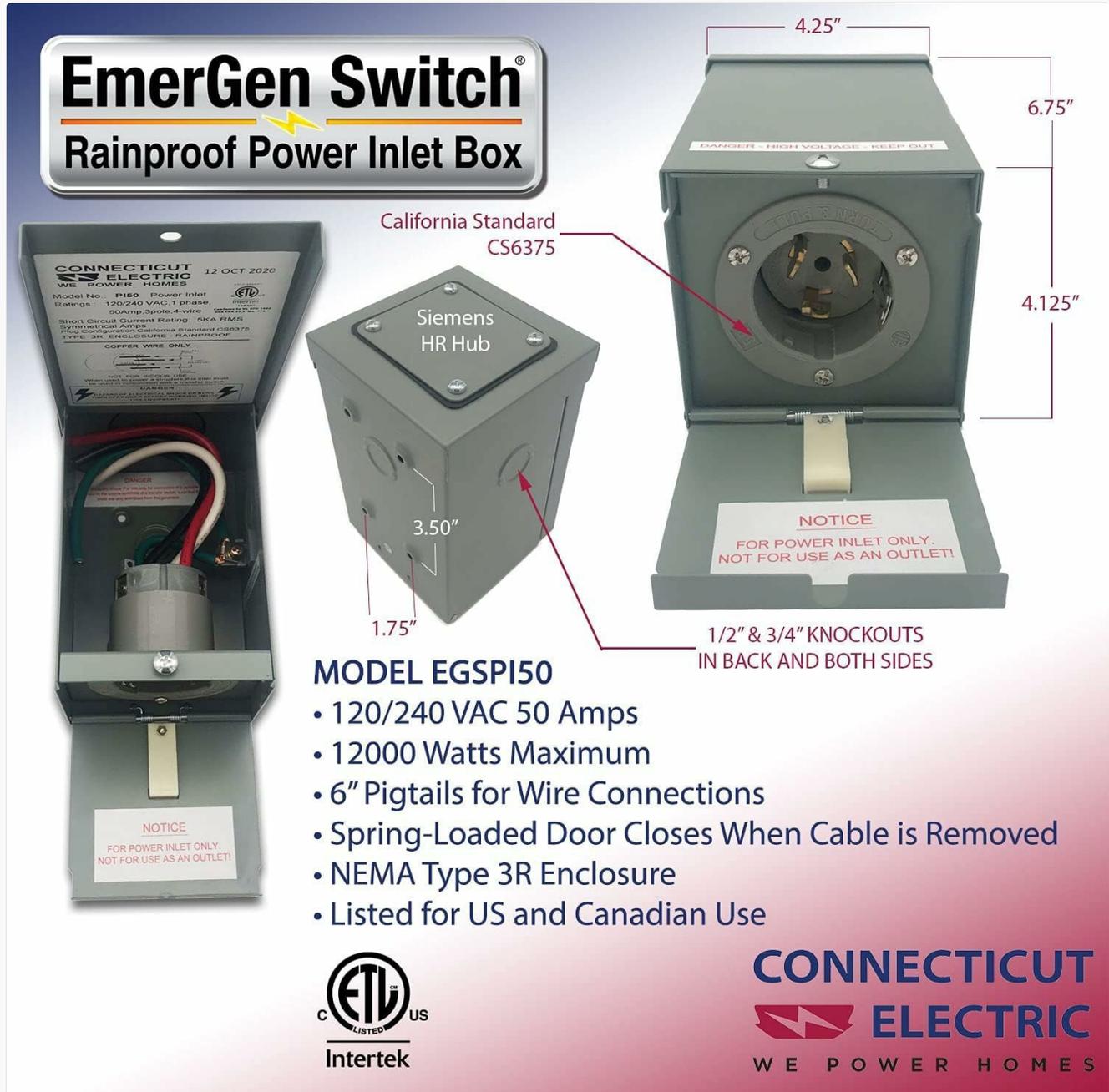


Image: Detailed view of the Connecticut Electric Power Inlet Box (Model EGSP150), showing its dimensions, wiring pigtail, and NEMA Type 3R enclosure for outdoor use.

## Installation Steps (Summary)

1. **Site Selection:** Choose a suitable location for the transfer switch panel (indoors or outdoors), and the power inlet box (outdoors), ensuring accessibility and compliance with local codes.
2. **Mounting:** Securely mount the transfer switch panel and the power inlet box to a sturdy surface.
3. **Wiring:** Connect the transfer switch panel to your main electrical panel and the selected household circuits.

Wire the power inlet box to the transfer switch panel. This step requires professional expertise.

4. **Testing:** After installation, a qualified electrician must perform thorough testing to ensure correct operation and safety.

For a visual guide and 3D instructions, scan the QR code on the product or visit the BILT app:

<https://sj83t.app.goo.gl/zs6v>

## OPERATING INSTRUCTIONS

Follow these steps to safely operate your manual transfer switch during a power outage.



Image: Close-up of the Connecticut Electric Transfer Switch panel, showing the circuit identification and the integrated operation guide sticker.

1. **Prepare the Transfer Switch:** Leave all switches on the EmerGen Switch in the LINE position. It is not necessary to shut off the MAIN breaker in your electrical panel.
2. **Prepare the Generator:** Move your generator to its operating location. Use care to ensure that carbon monoxide gas from the generator exhaust does not enter your home.

3. **Connect the Generator:** Plug the power cord into the generator and the inlet box.
4. **Start Generator:** Start your generator and allow 10 minutes to warm up.**NOTE:** Never start your generator with any switches in the GEN position.
5. **Transfer Power:** Switch the desired circuits to the GEN position. Take note of the wattage indicated on the meters. Attempt to balance the load. Maximum is within 12,500W. Do not exceed the maximum wattage printed on the meters.
6. **Restore Utility Power:** When utility power is restored, switch back to LINE power.
7. **Shut Down:** Move any switches that are in the GEN position to the LINE position. Shut down the generator. **NOTE:** Never shut down your generator with any of the switches in the GEN position.
8. **Disconnect:** Unplug and store the power cord.

## MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your transfer switch.

- **Periodic Inspection:** Annually inspect the transfer switch, inlet box, and cord for any signs of wear, damage, or corrosion. Ensure all connections are secure.
- **Cleaning:** Keep the unit clean and free from dust, dirt, and debris. Use a dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Testing:** Periodically test the transfer switch with your generator to ensure it functions correctly. This also helps keep your generator in good working order.
- **Professional Check:** Consider having a qualified electrician inspect the system every few years.

## TROUBLESHOOTING

This section addresses common issues you might encounter. For complex problems, contact a qualified electrician.

Problem	Possible Cause	Solution
No power to circuits when on GEN	Generator not running, generator circuit breaker tripped, transfer switch not fully engaged, or overloaded circuit.	Ensure generator is running and producing power. Check generator's circuit breaker. Verify transfer switch is fully in GEN position. Reduce load on circuits.
Transfer switch feels hot	Overloaded circuits or loose connections.	Immediately reduce load. Check for loose wiring connections (consult electrician).
Generator runs but no power to inlet box	Faulty connecting cord or issue with generator output.	Inspect connecting cord for damage. Test generator output directly.

## SPECIFICATIONS

# EmerGen Switch®

50 Amp Transfer Switch



**MODEL EGS1012KG2**

- 12500 Watts and 50 Amps Maximum Load
- Circuits: Four 15-Amp, Four 20-Amp, Two 30-Amp
- Optional Tie Bar for 240v Operation
- Rainproof Cover and Enclosure
- Double Throw Switch Eliminates Risk of Backfeeding
- Two Integrated Watt Meters

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Image: Diagram showing the Connecticut Electric EmerGen Switch (Model EGS1012KG2) with key dimensions and a list of features.

- **Model Number:** EGS1012KG2
- **Maximum Load:** 12,500 Watts / 50 Amps
- **Number of Circuits:** 10 (Four 15-Amp, Four 20-Amp, Two 30-Amp)
- **Voltage Compatibility:** 120/240-Volt applications
- **Enclosure Material:** Metal
- **Enclosure Type:** Rainproof Cover and Enclosure (NEMA Type 3R for inlet box)
- **Safety Features:** Double Throw Switch eliminates risk of backfeeding, ETL certified to UL safety standards.
- **Monitoring:** Two integrated Watt Meters
- **Dimensions (Transfer Switch):** Approximately 10.5" (W) x 15.25" (H) x 5" (D)
- **Package Dimensions:** 20 x 15.5 x 11.25 inches
- **Weight:** 45.1 Pounds

## WARRANTY AND SUPPORT

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Connecticut Electric stands behind the quality of its products. For specific warranty details, please refer to the warranty card included with your purchase or visit the official Connecticut Electric website.

For technical support, installation inquiries, or to purchase replacement parts, please contact Connecticut Electric customer service. You can also visit the official brand store on Amazon for more information and products:

**[Visit the Connecticut Electric Store on Amazon](#)**

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