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Seneca River Trading G1400

Defrost Timer User Manual

Model: G1400 | Brand: Seneca River Trading

PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of the Seneca River Trading Defrost Timer, model G1400. This component is a direct replacement for General Electric and Hotpoint defrost timers, specifically WR9X480, AP2635477, and PS310849.

The defrost timer is a critical component in a refrigerator's defrost system, responsible for cycling the defrost heater on and off at regular intervals to prevent ice buildup on the evaporator coils.

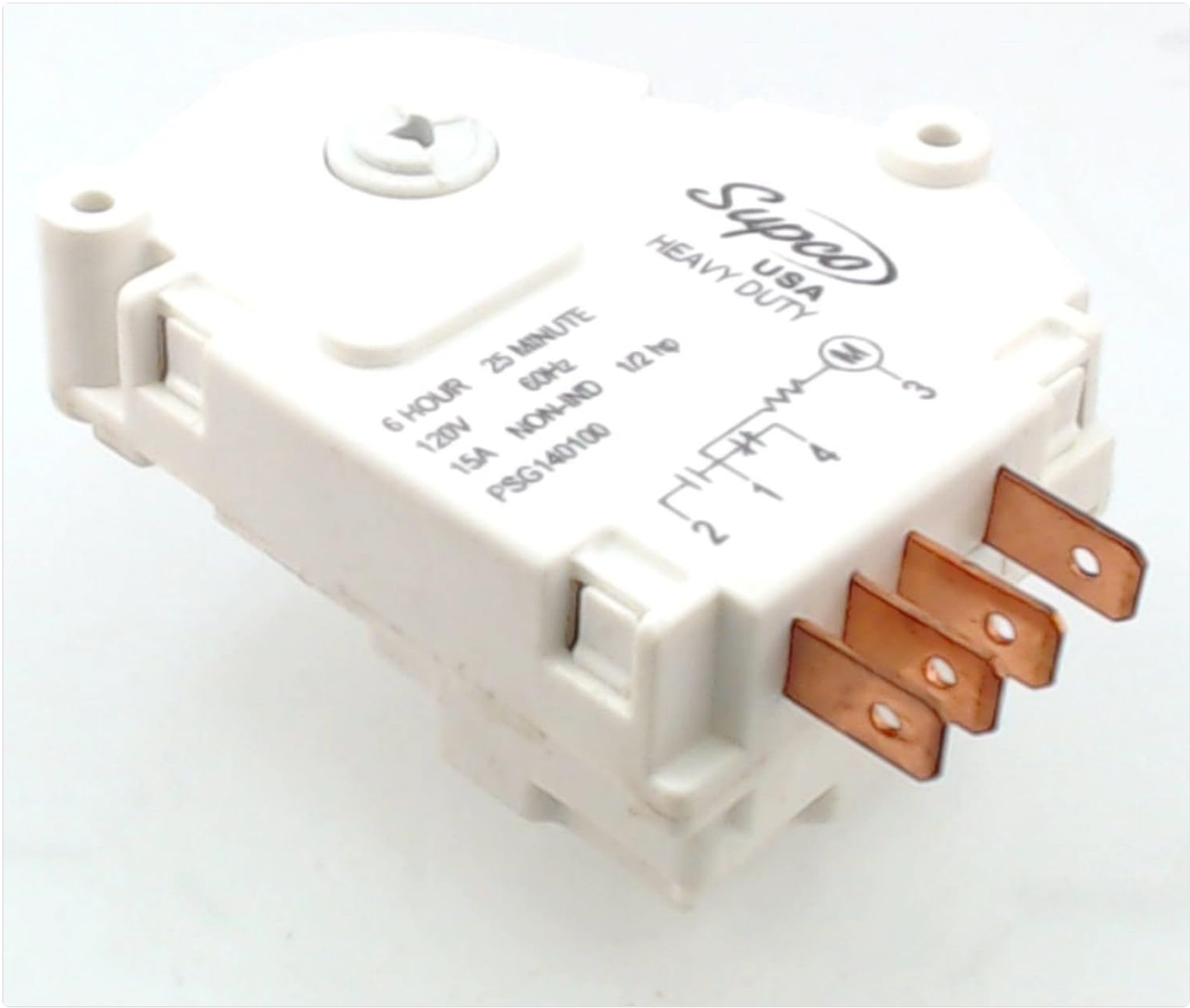


Figure 1: Seneca River Trading Defrost Timer (Model G1400)

This image displays the white plastic housing of the defrost timer with four copper terminals extending from one side. The top surface shows printed specifications including "6 HOUR 25 MINUTE", "120V", "60Hz", "15A NON-IND 1/2 hp", and "PSG140100", along with the "Supco USA HEAVY DUTY" logo and a basic wiring diagram.

SPECIFICATIONS

Attribute	Detail
Model Number	G1400
Replaces Part Numbers	WR9X480, AP2635477, PS310849
Defrost Cycle	6 Hours
Defrost Duration	25 Minutes
Voltage	120V
Frequency	60Hz
Current Rating	15A Non-Inductive

Motor Horsepower	1/2 hp
Dimensions	Approximately 2 x 7 x 2 inches
Weight	Approximately 4 ounces
UPC	793713631769

Safety Information

Always disconnect power to the appliance before attempting any repair or replacement. Failure to do so can result in serious injury or death. If you are unsure about performing this repair, consult a qualified appliance technician.

- Ensure the appliance is unplugged from the wall outlet.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection.
- Handle electrical components with care.
- Verify correct wiring connections before restoring power.

Setup and Installation

The defrost timer is typically located in the control panel area of the refrigerator or freezer, often behind a kick plate or inside the fresh food compartment. Refer to your appliance's specific service manual for the exact location and removal procedure of the old timer.

1. **Disconnect Power:** Unplug the refrigerator from the electrical outlet.
2. **Locate Timer:** Access the defrost timer. This may involve removing screws, panels, or the kick plate.
3. **Document Wiring:** Before disconnecting, carefully note or photograph the wiring connections to the old timer. There are typically four terminals.
4. **Remove Old Timer:** Disconnect the wires and unmount the old defrost timer.
5. **Install New Timer:** Connect the wires to the new Seneca River Trading defrost timer (Model G1400) exactly as they were connected to the old one. Ensure connections are secure.
6. **Mount New Timer:** Securely mount the new timer in its designated location.
7. **Reassemble:** Reinstall any panels or covers that were removed.
8. **Restore Power:** Plug the refrigerator back into the electrical outlet.

Note: The new timer may start in any part of its cycle. The refrigerator should begin cooling immediately, and the defrost cycle will engage automatically at its programmed interval.

Operating Principles

The defrost timer operates on a timed cycle to manage the defrosting process of your refrigerator or freezer. It typically runs the compressor for a set period (e.g., 6 hours) and then switches to a defrost mode for a shorter period (e.g., 25 minutes).

- **Cooling Cycle:** During this phase, the timer directs power to the compressor and evaporator fan, allowing the refrigerator to cool. This phase lasts for approximately 6 hours.

- **Defrost Cycle:** After the cooling cycle, the timer switches power from the compressor to the defrost heater. The defrost heater melts any ice buildup on the evaporator coils. This phase lasts for approximately 25 minutes.
- **Automatic Reset:** Once the defrost cycle is complete, or if a defrost thermostat opens (indicating the coils are warm enough), the timer automatically switches back to the cooling cycle.

The timer is designed to operate continuously and does not require manual adjustment after installation.

MAINTENANCE

The defrost timer itself is a sealed unit and does not require routine maintenance. However, ensuring the overall defrost system is functioning correctly can prolong the life of all components.

- **Keep Coils Clean:** Periodically clean the condenser coils at the back or bottom of the refrigerator to ensure efficient cooling and reduce strain on the system.
- **Check Door Seals:** Ensure refrigerator and freezer door seals are intact and sealing properly to prevent warm air from entering, which can lead to excessive ice buildup.
- **Monitor Defrost Cycle:** Occasionally listen for the defrost cycle to engage (a slight hum or click as the heater turns on) and observe if ice buildup is being managed effectively.

TROUBLESHOOTING

If your refrigerator is experiencing issues related to defrosting, the defrost timer could be a contributing factor. Here are common symptoms and potential solutions:

Symptom	Possible Cause	Solution
Excessive ice buildup on freezer evaporator coils.	Defrost timer stuck in cooling cycle, faulty defrost heater, or faulty defrost thermostat.	Test the defrost timer for proper cycling. If it doesn't advance, replace it. Also check heater and thermostat.
Refrigerator not cooling, but compressor runs continuously.	Defrost timer stuck in defrost cycle.	Manually advance the timer. If it doesn't resume cooling, replace the timer.
Refrigerator cycles on and off too frequently.	Defrost timer motor failing or contacts sticking.	Replace the defrost timer.

Disclaimer: Troubleshooting and repair should only be attempted by individuals with appropriate knowledge and safety precautions. Always disconnect power before servicing.

WARRANTY AND SUPPORT

This Seneca River Trading defrost timer is a replacement part. For specific warranty information, please refer to the terms provided by the retailer or manufacturer at the time of purchase. Typically, replacement parts carry a limited warranty against manufacturing defects.

For technical support or further assistance, please contact Seneca River Trading customer service or the retailer from whom you purchased the product. Keep your purchase receipt as proof of purchase.

Contact Information:

Brand: Seneca River Trading

Website: [Seneca River Trading on Amazon](#) (for general brand information)

General Inquiries: Refer to your purchase platform for direct seller contact.

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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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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