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SHAUOTR 150-02-Y13-A 66-J-G942

SHAUOTR Donper Refrigerator Control Board Instruction Manual

Model: 150-02-Y13-A 66-J-G942

Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of the SHAUOTR Donper Refrigerator Control Board, model 150-02-Y13-A 66-J-G942. This component is a compressor inverter drive circuit PCB designed for compatible Donper refrigerators, operating at 127V and 3.0A. Please read this manual thoroughly before proceeding with any procedures.

Safety Information

WARNING: Risk of Electric Shock.

- Always disconnect power to the refrigerator before attempting any installation, maintenance, or repair.
- Wait at least 30 seconds after unplugging the system before touching any terminals to allow residual electrical charge to dissipate.
- Installation and service should only be performed by qualified personnel.
- Failure to follow these instructions can result in electric shock, fire, or other serious injury.

Product Overview

The SHAUOTR Donper Refrigerator Control Board (Model: 150-02-Y13-A 66-J-G942) is a critical component for managing the compressor inverter drive in compatible Donper refrigerators. It ensures efficient and reliable operation of the refrigeration system.



Image: SHAUOTR Donper Refrigerator Control Board, model 150-02-Y13-A 66-J-G942. This image displays the control board with its input specifications (100-127V~60Hz, 3.0A, 1PH) and a safety warning regarding electric shock.

Key Features:

- **Energy-Saving Design:** Advanced circuit design for reduced energy consumption.
- **Multiple Protection Mechanisms:** Includes overvoltage, overcurrent, and short circuit protection to prevent failures and ensure safety.
- **Standardized Interface:** Simplifies installation without complex debugging.
- **Efficient Heat Dissipation:** Designed to reduce operating temperature while maintaining quiet operation.
- **Compact Layout:** Optimizes internal refrigerator space and improves aesthetics.

Specifications

Specification	Detail

Specification	Detail
Brand	SHAUOTR
Model Number	150-02-Y13-A 66-J-G942
Input Voltage	100-127V~60Hz
Current	3.0A
Phase	1PH
Item Weight	50 g
Parcel Dimensions	3 x 2 x 1 cm

Setup and Installation

Installation of this refrigerator control board requires technical expertise and should only be performed by a qualified appliance technician. Incorrect installation can lead to damage to the appliance, personal injury, or electric shock.

1. **Disconnect Power:** Ensure the refrigerator is completely unplugged from the power source.
2. **Access Control Board:** Locate and carefully access the existing control board within the refrigerator. This may involve removing panels or covers.
3. **Discharge Capacitors:** Wait at least 30 seconds after disconnecting power before touching any components to allow capacitors to discharge.
4. **Document Connections:** Before disconnecting, take clear photos or make detailed diagrams of all wiring connections to the old control board.
5. **Remove Old Board:** Carefully disconnect all wires and mounting hardware from the old control board.
6. **Install New Board:** Mount the new SHAUOTR control board in the same location and connect all wires precisely according to your documentation. Ensure all connections are secure.
7. **Secure Panels:** Reinstall any removed panels or covers.
8. **Restore Power:** Plug the refrigerator back into the power source.
9. **Test Operation:** Monitor the refrigerator's operation to ensure proper function.

Operation

The control board operates automatically within the refrigerator's system to manage the compressor and maintain desired temperatures. There are no user-adjustable settings directly on the control board itself. Its function is to interpret signals from the refrigerator's thermostat and other sensors to regulate the cooling cycle efficiently.

Maintenance

The SHAUOTR Donper Refrigerator Control Board is designed for long-term, maintenance-free operation. Regular maintenance of the refrigerator itself, such as cleaning condenser coils and ensuring proper ventilation, will contribute to the longevity of all internal components, including the control board.

- Keep the area around the control board clean and free of dust or debris.
- Ensure proper airflow within the refrigerator's component compartment to prevent overheating.
- Avoid exposing the control board to excessive moisture or extreme temperatures.

Troubleshooting

If the refrigerator is not functioning correctly after installing the control board, consider the following general troubleshooting steps. For complex issues, consult a qualified technician.

- **No Power:** Check if the refrigerator is properly plugged in and if the circuit breaker has tripped.
- **Incorrect Wiring:** Double-check all wiring connections against your installation documentation. Ensure no wires are loose or incorrectly connected.
- **Component Compatibility:** Verify that this control board is the correct replacement part for your specific Donper refrigerator model.
- **Other Component Failure:** The issue might stem from another component (e.g., compressor, thermostat, fan motor) rather than the control board itself. Professional diagnosis is recommended.
- **Safety Precautions:** Always disconnect power before inspecting or adjusting any internal components.

Warranty and Support

For warranty information or technical support regarding the SHAUOTR Donper Refrigerator Control Board, please contact the retailer or manufacturer directly. Keep your purchase receipt and product model information handy when seeking support.

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