

True 963194

True Relay, Compela RP7708-ZR 301 P270 User Manual

Model: 963194

PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of the True Relay, Compela RP7708-ZR 301 P270. This genuine OEM (Original Equipment Manufacturer) part is designed for commercial refrigeration systems, ensuring reliable performance and adherence to high industry standards.



Image: The True Relay, Compela RP7708-ZR 301 P270, featuring a black plastic housing, exposed copper coil windings, and a metal terminal block. This component is crucial for electrical control in refrigeration units.

SAFETY INFORMATION

Always disconnect power before installing or servicing the relay. Installation should be performed by qualified personnel only. Failure to follow these instructions may result in electrical shock, fire, or serious injury.

- Ensure proper grounding.
- Verify voltage and current ratings match the application.
- Do not operate if the relay appears damaged.

SETUP AND INSTALLATION

The True Relay, Compela RP7708-ZR 301 P270 is designed for easy integration into compatible refrigeration systems. Refer to your equipment's specific wiring diagrams for precise connection points.

1. **Power Disconnection:** Before beginning any installation, ensure that the main power supply to the refrigeration unit is completely disconnected and locked out.
2. **Locate Existing Relay:** Identify the current relay to be replaced. Note its orientation and wiring connections.
3. **Disconnect Wiring:** Carefully disconnect all wires from the old relay, labeling them if necessary to ensure correct re-connection.
4. **Remove Old Relay:** Unmount the old relay from its position. This model typically uses a DIN Rail Mount.
5. **Install New Relay:** Mount the new True Relay (Model 963194) securely in the designated location.
6. **Connect Wiring:** Reconnect the wires to the new relay according to the system's wiring diagram. Ensure all connections are secure and tight. This relay features a Zircon connector type and Normally Open contact type.
7. **Verify Installation:** Double-check all connections and mounting.
8. **Restore Power:** Once installation is complete and verified, restore power to the refrigeration unit.

OPERATING INSTRUCTIONS

The True Relay operates automatically as part of the refrigeration system's control circuit. It is designed to switch electrical loads based on signals from the system's thermostat or other control devices.

- Upon power-up, the relay will be in its default (normally open) state.
- When the control circuit signals the relay, it will close its contacts, allowing power to flow to the connected component (e.g., compressor, fan motor).
- When the signal is removed, the relay contacts will open, interrupting the power flow.
- No direct user interaction is required for the relay's operation once installed correctly.

MAINTENANCE

The True Relay is a robust component designed for long-term reliability with minimal maintenance. However, periodic inspection can help ensure optimal performance.

- **Visual Inspection:** Annually inspect the relay for any signs of physical damage, discoloration, or loose connections.
- **Connection Check:** Ensure all electrical connections remain tight and free from corrosion.
- **Cleaning:** If dust or debris accumulates, gently clean the exterior of the relay with a dry, soft cloth. Do not use liquid cleaners.
- **Environmental Conditions:** Ensure the operating environment remains within the specified temperature and

humidity ranges for the refrigeration unit.

TROUBLESHOOTING

If the refrigeration unit is not functioning as expected, the relay may be a contributing factor. Always consult a qualified technician for complex issues.

Problem	Possible Cause	Solution
Relay not activating	No control signal; Faulty wiring; Relay failure	Check control circuit; Inspect wiring for breaks/shorts; Test relay continuity (if qualified)
Relay contacts stuck closed/open	Internal mechanical failure; Contact welding due to overload	Replace relay; Verify load current does not exceed relay rating
Burning smell or discoloration	Overheating due to overload or loose connection	Immediately disconnect power; Replace relay; Check load and connections
Intermittent operation	Loose connections; Vibrations; Degrading internal components	Tighten connections; Secure mounting; Consider relay replacement

Note: Always ensure power is disconnected before performing any inspection or troubleshooting steps. If you are unsure, contact a certified technician.

SPECIFICATIONS

Model Number	963194
Product Dimensions	4 x 6 x 9 inches; 1.27 ounces
Brand	True
Connector Type	Zircon
Contact Material	Silver
Contact Type	Normally Open
Mounting Type	DIN Rail Mount
Country Of Origin	Brazil

WHAT'S IN THE Box

- Replacement Part (True Relay, Compela RP7708-ZR 301 P270)

WARRANTY AND SUPPORT

As a genuine OEM part, this True Relay is covered by the manufacturer's standard warranty for replacement parts. For specific warranty terms and conditions, please refer to the documentation provided with your original True refrigeration equipment or contact True customer support.

For technical support or inquiries regarding this product, please contact True Refrigeration directly. Contact information can typically be found on the True Refrigeration official website or within your equipment's main user manual.

Note: Unauthorized modifications or improper installation will void the product warranty.

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