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> Instruction Manual for BEKO Refrigerator PTC Relay

BEKO 5736330200

Instruction Manual for BEKO Refrigerator PTC Relay

Model: 5736330200

INTRODUCTION

This manual provides essential information for the BEKO Refrigerator PTC Relay, model 5736330200. It is designed to assist users with understanding the product's function, installation, and compatibility. This component is crucial for the proper operation of your refrigerator's compressor.

PRODUCT OVERVIEW



Image of the BEKO Refrigerator PTC Relay, a compact white plastic component with metal terminals and a screw for mounting. This relay is crucial for the proper functioning of the refrigerator's compressor.

The PTC (Positive Temperature Coefficient) relay is a vital electrical component in many refrigerators. Its primary function is to provide a temporary boost of current to the compressor motor during startup, helping it overcome initial inertia. Once the motor reaches operating speed, the relay's resistance increases, reducing the current flow and protecting the motor from overload.

SETUP AND INSTALLATION

Installation of the PTC relay should be performed by a qualified technician. Always ensure the refrigerator is unplugged from the power supply before attempting any installation, inspection, or repair to prevent electrical shock.

Compatibility Verification

This part is compatible with various BEKO refrigerator models, including K70475NE, CN142220DS, CNE60520D, CNE47520GB, FN129420, CN142221DS, ERDV424I, DN150220DS, CN147223GB, CNE42221D, DNS156720D, and CN166220DX. It is also compatible with specific LIEBHERR (REC52S) and FAR (R3401A+) models. Always cross-reference with your specific appliance model number to ensure correct fit and function.

Mounting

The relay is designed for DIN-rail mounting. Secure it firmly to the designated mounting point within the refrigerator's compressor compartment to prevent vibration and ensure stable electrical connections.

OPERATING PRINCIPLES

The PTC relay operates automatically. When the refrigerator's thermostat calls for cooling, the relay allows a high initial current to flow to the compressor's start winding, enabling the motor to begin rotation. As the PTC thermistor heats up due to this current, its resistance rapidly increases, effectively reducing the current to the start winding and transferring the load to the run winding. This process ensures efficient and safe compressor startup.

- **Operation Mode:** Automatic

MAINTENANCE

The PTC relay is a sealed electrical component and does not require routine maintenance or lubrication. Its lifespan is generally long, but it can fail due to electrical surges, continuous overload, or general wear and tear.

If the refrigerator experiences issues related to compressor starting or continuous running, the relay may need inspection and potential replacement. Always ensure the power supply is disconnected before inspecting or replacing the relay.

TROUBLESHOOTING

If your refrigerator's compressor is not starting, or if it attempts to start but immediately shuts off, the PTC relay may be faulty. Other common symptoms of a failing PTC relay include:

- Clicking sounds from the compressor area without the compressor running.
- The compressor attempting to start but failing, often accompanied by a humming sound.
- The refrigerator not cooling adequately.

Before replacing the relay, it is advisable to ensure that other components, such as the compressor itself, the thermostat, or the overload protector, are not the primary cause of the malfunction. Consult a qualified technician for accurate diagnosis.

SPECIFICATIONS

Attribute	Value
Manufacturer	BEKO
Brand	Beko
Model Number (Manufacturer Reference)	5736330200

ASIN	B019DBSP3K
Mounting Type	DIN-rail mounting
Operation Mode	Automatic
First Available Date	March 24, 2022

WARRANTY INFORMATION

Specific warranty information for this individual component is not detailed in the product listing. Please refer to the original appliance manufacturer's warranty documentation or contact the seller directly for details regarding component warranty terms and conditions.

SUPPORT

For technical assistance, compatibility inquiries, or further support regarding this PTC relay, please contact the seller, SOS-Accessoire. They are specialists in household appliance parts and have been serving customers since 1984.

You can find more information about the seller here: [SOS-Accessoire Seller Page](#)