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ClimaTek WPF2W-802-029

ClimaTek Refrigerator Cold Control WPF2W-802-029 Instruction Manual

For Frigidaire and Compatible Refrigerators

INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your ClimaTek Refrigerator Cold Control, model WPF2W-802-029. This component is designed to regulate the temperature within your refrigerator, ensuring optimal cooling performance. Please read these instructions thoroughly before proceeding with installation or any service.

SAFETY INFORMATION

WARNING: Risk of Electric Shock. Disconnect power before servicing.

- Always disconnect the refrigerator from its power source before attempting any installation, repair, or maintenance. Failure to do so can result in serious injury or death.
- Installation should only be performed by a qualified technician or individuals with experience in appliance repair.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Ensure all electrical connections are secure and comply with local electrical codes.
- Handle the capillary tube carefully to avoid kinking or damaging it, as this can affect the control's function.

PRODUCT OVERVIEW

The ClimaTek Refrigerator Cold Control WPF2W-802-029 is a replacement part designed to maintain the desired temperature inside your refrigerator. It functions by sensing the internal temperature and cycling the compressor on and off as needed. This specific model is a direct replacement for part # WPF2W-802-029 and is compatible with various Frigidaire refrigerator models.



Image shows the ClimaTek Refrigerator Cold Control, model WPF2W-802-029. It is a compact, grey and metallic component with electrical terminals and a coiled capillary tube. A label on the side displays '241537103', 'WPF2W-802-029', '5(4)/8(6)A', '250/125 VAC', and '2721'.

INSTALLATION

Pre-Installation Checks

- Verify that the new cold control (WPF2W-802-029) is the correct replacement part for your refrigerator model.
- Ensure you have all necessary tools before beginning the installation.

Tools Required (Typical)

- Screwdrivers (Phillips and flathead)
- Nut drivers or wrenches
- Needle-nose pliers
- Multimeter (for testing, optional but recommended)

Installation Steps (General Guidance)

1. **Disconnect Power:** Unplug the refrigerator from the wall outlet or turn off the circuit breaker supplying power to the appliance.
2. **Access the Cold Control:** Locate the cold control, typically found inside the refrigerator compartment, often behind a control panel or near the light assembly. You may need to remove shelves, drawers, or plastic covers to access it.
3. **Document Wiring:** Before disconnecting any wires, take clear photos or make a diagram of the existing wiring connections to the old cold control. This will ensure correct reassembly.
4. **Remove Old Control:** Carefully disconnect the wires and remove any mounting screws or clips holding the old cold control in place. Gently pull out the capillary tube from its housing, noting its path and position.
5. **Install New Control:** Insert the capillary tube of the new WPF2W-802-029 cold control into the same path and position as the old one. Mount the new control using the original screws or clips.
6. **Connect Wiring:** Reconnect the wires to the new cold control according to your documented diagram or photos. Ensure all connections are tight and secure.
7. **Reassemble:** Replace any covers, shelves, or drawers that were removed.
8. **Restore Power:** Plug the refrigerator back into the wall outlet or turn on the circuit breaker.
9. **Test Operation:** Allow the refrigerator several hours to reach its operating temperature and verify that it is cooling correctly.

OPERATING INSTRUCTIONS

The ClimaTek Refrigerator Cold Control WPF2W-802-029 is an automatic temperature sensing and switching device. Once installed, it operates continuously to maintain the set temperature range within the refrigerator compartment. Based on product specifications, this model does not feature an adjustable temperature control knob. The temperature is regulated automatically by the control unit's internal calibration. If your refrigerator model previously had an external temperature adjustment knob, it likely interacted with the cold control. Ensure that any external controls are set to a normal operating position after installation, if applicable to your specific refrigerator model.

MAINTENANCE

The ClimaTek Refrigerator Cold Control WPF2W-802-029 is designed for reliable operation and generally requires minimal maintenance. However, periodic checks can help ensure its longevity and proper function.

- **Visual Inspection:** Periodically inspect the cold control and its wiring for any signs of damage, corrosion, or loose connections. Ensure the capillary tube is not kinked or damaged.
- **Cleaning:** If the cold control or its housing becomes dusty, gently wipe it with a dry, soft cloth. Do not use liquid cleaners directly on the control. Always disconnect power before cleaning.
- **Temperature Monitoring:** Use a refrigerator thermometer to periodically verify that your refrigerator is maintaining appropriate temperatures (typically between 35°F and 40°F or 1.7°C and 4.4°C). Significant deviations may indicate an issue with the cold control or another component.

TROUBLESHOOTING

If your refrigerator is not cooling properly after installing the new cold control, consider the following common issues:

Common Symptoms of a Faulty Cold Control

- **Refrigerator Not Cooling:** If the compressor is not running at all, or runs infrequently, the cold control may not be signaling it to turn on.
- **Refrigerator Too Cold / Freezing Food:** If the compressor runs continuously, the cold control may not be signaling it to turn off, leading to excessively low temperatures.
- **Inconsistent Temperatures:** Fluctuating temperatures could indicate an intermittent fault with the cold control.

Troubleshooting Steps

1. **Verify Power:** Ensure the refrigerator is plugged in and receiving power. Check the circuit breaker.
2. **Check Wiring:** Disconnect power and re-check all wiring connections to the cold control for tightness and correct placement.
3. **Inspect Capillary Tube:** Ensure the capillary tube is properly seated and not kinked or damaged.
4. **Other Components:** If the cold control appears to be functioning correctly, the issue might lie with other components such as the compressor, condenser fan, evaporator fan, or defrost system. Consult a qualified technician for further diagnosis.

SPECIFICATIONS

Feature	Specification
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Feature	Specification
Model Number	WPF2W-802-029
Replaces Part #	WPF2W-802-029 (and others, verify compatibility)
Manufacturer	ClimaTek
Voltage Rating	250/125 VAC
Current Rating	5(4)/8(6)A
Product Dimensions	1 x 3 x 3 inches
Item Weight	2 Ounces
Adjustable Temperature Control	No
Cooling Method	Compressor (controlled by this unit)
Material	Plastic, Metal

WARRANTY AND SUPPORT

For warranty information and technical support regarding your ClimaTek Refrigerator Cold Control WPF2W-802-029, please refer to the documentation provided with your purchase or contact the seller directly. Specific warranty terms and support procedures are typically handled by the point of purchase or the manufacturer.
