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› MachineMid Rongsheng WDF28K-920-028 Refrigerator Mechanical Thermostat User Manual

MachineMid WDF28K-920-028

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INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the MachineMid Rongsheng WDF28K-920-028 mechanical thermostat. This thermostat is designed for use in refrigerators to regulate temperature effectively. Please read this manual thoroughly before installation and use to ensure proper function and safety.

PRODUCT OVERVIEW

The WDF28K-920-028 is a mechanical thermostat that controls the cooling cycle of a refrigerator by sensing the internal temperature and activating or deactivating the compressor. It features a temperature adjustment dial and a capillary tube for temperature sensing.

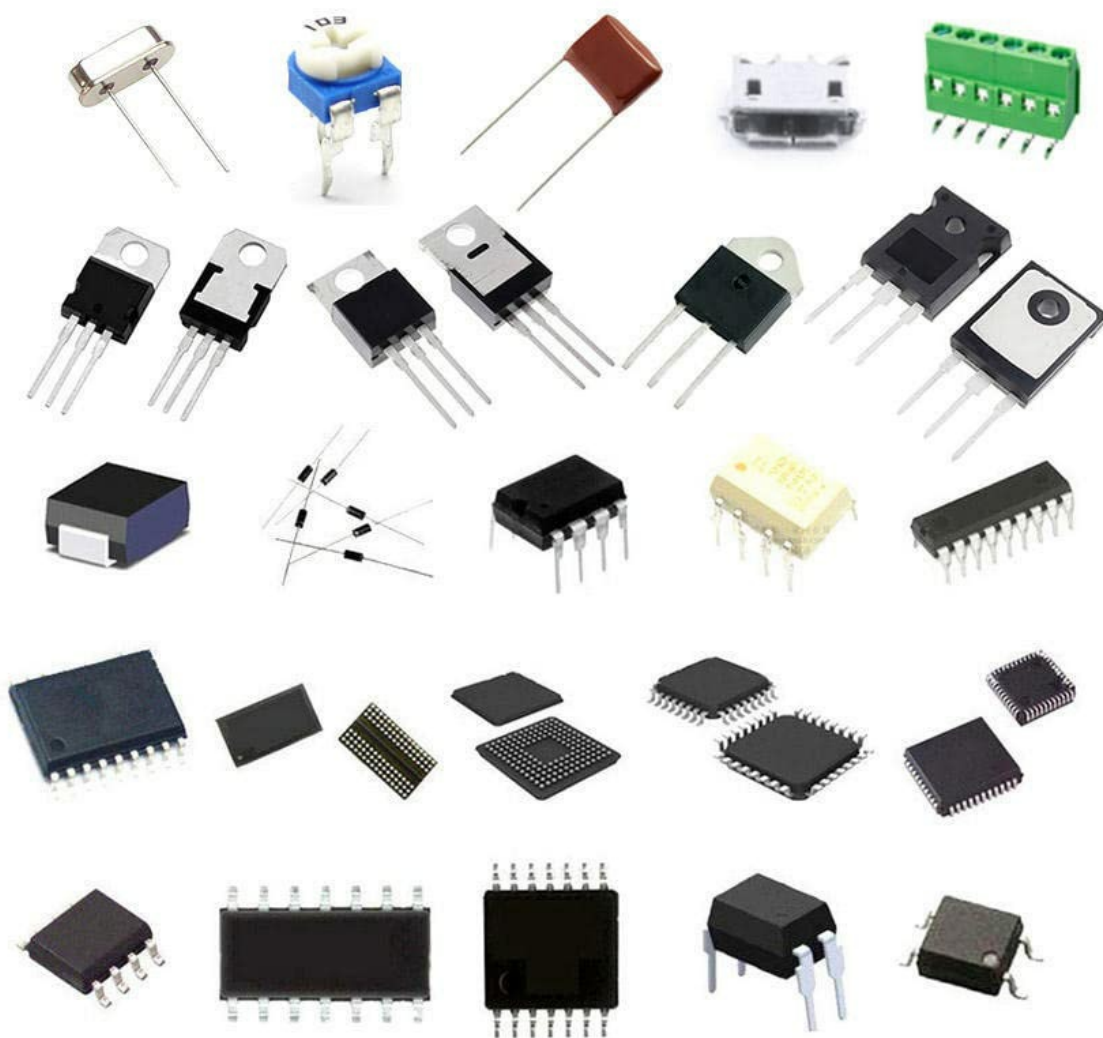


Figure 1: MachineMid Rongsheng WDF28K-920-028 Mechanical Refrigerator Thermostat. This image shows the main body of the thermostat with its control knob and capillary tube.

SETUP AND INSTALLATION

Warning: Disconnect the refrigerator from the power supply before attempting any installation or maintenance. Failure to do so may result in electric shock or injury.

- 1. Preparation:** Ensure the refrigerator is unplugged and any stored food items are removed. Access the existing thermostat compartment, typically located inside the refrigerator cabinet or behind a control panel.
- 2. Remove Old Thermostat:** Carefully disconnect the electrical wires from the old thermostat. Note the wiring configuration, perhaps by taking a photograph, to ensure correct re-connection. Gently remove the capillary tube from its mounting clips and pull it out of the refrigerator wall. Unscrew or unclip the old thermostat from its mounting.
- 3. Install New Thermostat:** Mount the new WDF28K-920-028 thermostat in the same location as the old one. Ensure it is securely fastened.
- 4. Connect Wiring:** Connect the electrical wires to the new thermostat terminals according to the configuration noted

during removal. Ensure all connections are secure.

5. **Position Capillary Tube:** Carefully route the new capillary tube into the refrigerator wall and secure it with the existing clips. The tip of the capillary tube should be positioned in the same location as the old one, typically near the evaporator coil, to accurately sense the internal temperature. Avoid kinking or damaging the tube.
6. **Final Check:** Double-check all connections and ensure the thermostat is securely mounted.

OPERATING INSTRUCTIONS

1. **Power On:** Once installation is complete, plug the refrigerator back into the power outlet.
2. **Temperature Adjustment:** The thermostat features a rotary knob for temperature control. Rotate the knob to adjust the desired temperature setting. Typically, higher numbers or specific markings indicate colder temperatures.
3. **Initial Cooling:** Allow several hours for the refrigerator to reach the set temperature after initial power-on or significant temperature adjustment.
4. **Monitoring:** Monitor the refrigerator's internal temperature over 24 hours to ensure it maintains the desired cooling level. Adjust the thermostat knob slightly if further temperature changes are needed.

MAINTENANCE

The WDF28K-920-028 mechanical thermostat requires minimal maintenance. Regular cleaning of the refrigerator interior and ensuring proper airflow around the thermostat's sensing element will help maintain its efficiency.

- **Cleaning:** As per product care instructions, the thermostat itself does not require specific cleaning beyond ensuring its external components are free from dust and debris. When cleaning the refrigerator interior, ensure no liquids come into direct contact with the thermostat's electrical components.
- **Inspection:** Periodically inspect the capillary tube for any signs of damage or kinks, which could affect temperature sensing accuracy.

TROUBLESHOOTING

If you experience issues with your refrigerator's temperature control, consider the following:

- **Refrigerator Not Cooling:**
 - Check if the refrigerator is plugged in and receiving power.
 - Ensure the thermostat knob is set to a sufficiently cold setting.
 - Verify that the refrigerator door seals are intact and closing properly.
 - Inspect the capillary tube for damage or improper placement.
 - If the compressor is not running at all, the thermostat or other electrical components may be faulty.
- **Refrigerator Too Cold / Freezing Food:**
 - Adjust the thermostat knob to a warmer setting.
 - Ensure the capillary tube is not directly touching the evaporator coil, which could cause it to sense an artificially low temperature.
 - If the issue persists, the thermostat may be stuck in the "on" position and require replacement.
- **Frequent Cycling of Compressor:**
 - This could indicate a faulty thermostat that is not accurately sensing temperature or has a narrow differential.

- Check for proper door sealing and insulation.

- **No Power to Thermostat:**

- Check the refrigerator's power cord and outlet.
- Inspect the wiring connections to the thermostat for looseness or corrosion.

If troubleshooting steps do not resolve the issue, professional assistance may be required.

SPECIFICATIONS

Feature	Detail
Model	WDF28K-920-028
Brand	MachineMid
Type	Mechanical Refrigerator Thermostat
Manufacturer Part Number	YYMFKnewic_11213
Care Instructions	Clean
Unit Count	1.0 unit

WARRANTY AND SUPPORT

For warranty information or technical support regarding your MachineMid Rongsheng WDF28K-920-028 thermostat, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.

Manufacturer: MachineMid

Model: WDF28K-920-028

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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