

Ranco K59-P1662

Ranco K59-P1662 Thermostat Kit Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Ranco K59-P1662 Thermostat Kit. Please read these instructions carefully before proceeding with installation or use to ensure safe and efficient performance. This thermostat is designed for universal application in fridges and freezers equipped with an automatic defrost system.

2. PRODUCT OVERVIEW

The Ranco K59-P1662 is a genuine original thermostat kit, engineered to regulate temperature in refrigeration units. It features an extra-long 300cm capillary, making it suitable for a wide range of fridge and freezer models with automatic defrost functionality. The kit includes the thermostat unit and an adapter bracket for flexible mounting options.

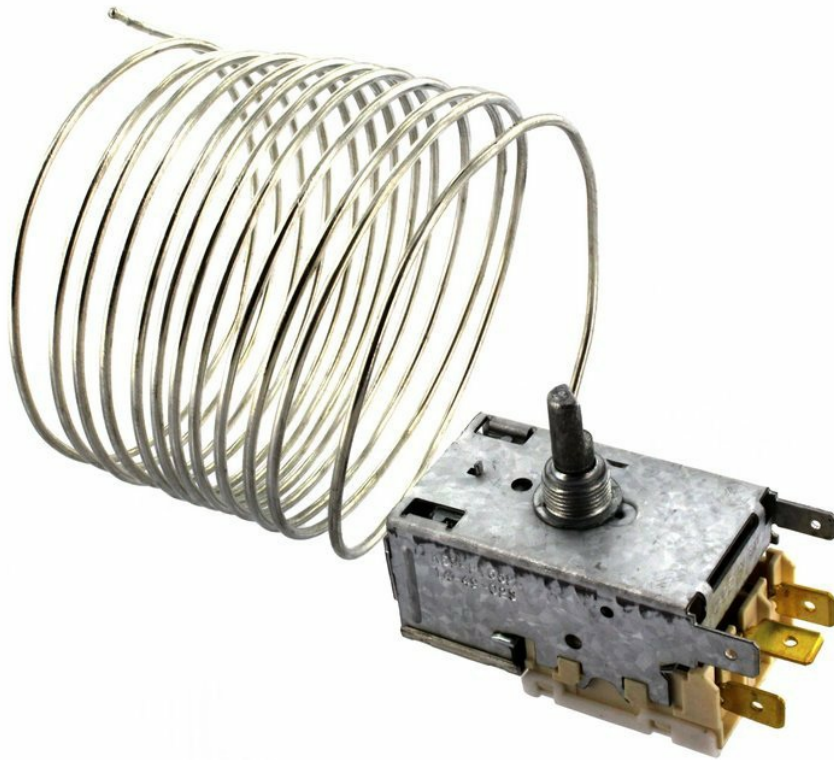


Image 2.1: The Ranco K59-P1662 Thermostat Kit, showing the main unit and capillary tube.

Key Features:

- Genuine Ranco original part.
- 300cm capillary length for versatile installation.
- Universal compatibility with fridges and freezers featuring automatic defrost.
- Commercial reference: K59-P1662.
- Includes adapter bracket for varied mounting.

3. SAFETY INFORMATION

WARNING: Electrical work should only be performed by qualified personnel. Disconnect power to the appliance before attempting any installation or maintenance. Failure to do so may result in electric shock, injury, or death.

- Always disconnect the appliance from the main power supply before installation or servicing.
- Ensure all electrical connections are secure and comply with local electrical codes.
- Do not operate the appliance if any part of the thermostat kit is damaged.

- Keep children and pets away from the work area during installation.

4. INSTALLATION AND SETUP

The Ranco K59-P1662 thermostat can be mounted in two primary ways:

4.1. Direct Mounting

1. Identify the existing thermostat mounting location within your appliance.
2. Remove the old thermostat, carefully noting the wiring connections.
3. Mount the new Ranco K59-P1662 thermostat directly using the center mounting bush and nut.
4. Connect the electrical wires to the corresponding terminals on the new thermostat. Refer to the wiring diagram provided with your appliance or the original thermostat for correct connections.

4.2. Mounting with Adapter Bracket

1. If direct mounting is not feasible or if the original mounting points do not align, use the provided adapter bracket.
2. Attach the thermostat to the adapter bracket.
3. Secure the adapter bracket to a suitable location within the appliance, ensuring stability.
4. Proceed with electrical connections as described in step 4 of Direct Mounting.

4.3. Capillary Tube Placement

1. Carefully route the 300cm capillary tube to the sensing area of the refrigerator or freezer.
2. Ensure the capillary bulb is securely positioned in the correct location, typically clipped to the evaporator coil or a designated sensing tube.
3. Avoid kinking or sharply bending the capillary tube, as this can affect its performance.
4. Ensure the capillary tube does not come into contact with moving parts or sharp edges.

After installation, double-check all connections and ensure the thermostat is securely mounted before restoring power to the appliance.

5. OPERATION

The Ranco K59-P1662 thermostat automatically regulates the temperature inside your fridge or freezer. Once installed and powered, it will sense the internal temperature via its capillary tube and activate or deactivate the cooling system to maintain the set temperature range. For appliances with automatic defrost, the thermostat works in conjunction with the defrost timer to manage defrost cycles.

Temperature Adjustment:

If your appliance has an external temperature control knob connected to the thermostat, you can adjust the desired cooling level. Turning the knob typically cycles through different temperature settings, from warmer to colder. Allow several hours for the appliance to stabilize at a new temperature setting.

6. MAINTENANCE

The Ranco K59-P1662 thermostat kit is designed for reliable, long-term operation and generally requires no

routine maintenance. However, periodic checks can help ensure optimal performance:

- **Visual Inspection:** Periodically inspect the thermostat and its connections for any signs of wear, corrosion, or damage.
- **Capillary Tube:** Ensure the capillary tube remains securely in its sensing position and is not damaged or kinked.
- **Cleanliness:** Keep the area around the thermostat free from dust and debris to prevent interference with its operation.

If any issues are observed, disconnect power to the appliance and consult a qualified technician.

7. TROUBLESHOOTING

If your appliance is not functioning correctly after installing the Ranco K59-P1662 thermostat, consider the following common issues:

- **Appliance Not Cooling:**
 - Check if the appliance is receiving power.
 - Verify all electrical connections to the thermostat are secure.
 - Ensure the thermostat's temperature setting is appropriate.
 - Confirm the capillary tube is correctly positioned and undamaged.
- **Appliance Freezing Too Much:**
 - Adjust the thermostat to a warmer setting.
 - Check the capillary tube for proper placement; if it's dislodged or not sensing correctly, it might cause overcooling.
- **Frequent Cycling:**
 - Ensure the appliance door seals are intact and not allowing warm air to enter.
 - Verify the capillary tube is correctly sensing the internal temperature.

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified appliance repair technician.

8. SPECIFICATIONS

Attribute	Value
Manufacturer	Ranco
Part Number	K59-P1662
Item Model Number	K59-P1662
Capillary Length	300 cm
Product Dimensions	3.15 x 3.15 x 1.97 inches
Item Weight	5.3 ounces

Attribute	Value
Included Components	Ranco K59-P1662 Thermostat Kit, Adapter Bracket
Batteries Required?	No

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Ranco K59-P1662 Thermostat Kit, please refer to the documentation provided with your original appliance or contact Ranco customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, you may visit the official Ranco website or consult with a certified appliance technician.