

ROXY AB 090G76

GLEM GAS EGO Thermostat 55.170.62.400 318 Degrees Model 090G76

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your GLEM GAS EGO Thermostat, part number 55.170.62.400, model 090G76. This thermostat is designed for precise temperature control in compatible GLEM GAS appliances, specifically rated for up to 318 degrees Celsius. Please read this manual thoroughly before attempting any installation or operation.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- Always disconnect the appliance from the main power supply and gas supply before performing any installation, maintenance, or repair work.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.
- Ensure all connections are secure and free from leaks, especially when dealing with gas lines.
- Do not operate the appliance if any part has been submerged in water. Contact a qualified technician to inspect and replace any part of the control system and any gas control that has been submerged in water.
- Keep flammable materials away from the appliance.

3. PRODUCT OVERVIEW

The GLEM GAS EGO Thermostat 55.170.62.400 is a critical component for regulating temperature within your GLEM GAS appliance. It features a robust design with a capillary tube and sensor bulb for accurate temperature detection and a control shaft for setting the desired temperature.



Figure 3.1: Front view of the thermostat, showing the control shaft and the coiled capillary tube with its sensor bulb.



Figure 3.2: Rear view of the thermostat, illustrating the electrical connection terminals and the mounting bracket.

The thermostat operates by sensing the temperature through its capillary tube and bulb, then mechanically or electrically adjusting the gas flow to maintain the set temperature. The model number 090G76 and part number 55.170.62.400 are typically found on the unit itself.

4. SETUP AND INSTALLATION

IMPORTANT: Installation should only be performed by a qualified technician or service professional to ensure safety and proper functionality.

1. **Preparation:** Ensure the appliance is completely disconnected from all power and gas sources. Allow the appliance to cool down if it has been in operation.
2. **Access:** Carefully open the appliance to gain access to the existing thermostat. This may involve removing control knobs, panels, or other components.
3. **Removal of Old Thermostat:** Disconnect all electrical wiring from the old thermostat, noting their positions for re-connection. Carefully remove the capillary tube and sensor bulb from its mounting location within the oven cavity. Unscrew or unclip the old thermostat from its mounting bracket.
4. **Installation of New Thermostat:** Mount the new GLEM GAS EGO Thermostat 55.170.62.400 into the appliance's designated bracket. Carefully route the capillary tube and position the sensor bulb in the exact location as the original. Ensure the capillary tube is not kinked or damaged.
5. **Wiring:** Reconnect the electrical wires to the new thermostat's terminals, ensuring they match the original configuration. Refer to the appliance's wiring diagram if available.
6. **Testing:** After reassembling the appliance, reconnect the gas and power supplies. Perform a leak test on any disturbed gas connections. Test the thermostat's functionality by setting it to various temperatures and observing the appliance's heating cycles.

5. OPERATING INSTRUCTIONS

The thermostat controls the internal temperature of your GLEM GAS appliance. To operate:

- **Power On:** Ensure the appliance is connected to power and gas.
- **Set Temperature:** Rotate the control knob, typically connected to the thermostat's shaft, to the desired temperature setting. The thermostat will then regulate the heat output to maintain this temperature.
- **Preheating:** Allow the appliance to preheat to the set temperature before placing items inside. The thermostat will cycle on and off to maintain the temperature.
- **Monitoring:** Observe the appliance's performance. If the temperature is not maintained correctly, refer to the troubleshooting section.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and accurate operation of your thermostat and appliance.

- **Cleaning:** Keep the area around the thermostat and its control knob clean. Avoid using abrasive cleaners that could damage the control markings or the thermostat housing.
- **Inspection:** Periodically inspect the capillary tube and sensor bulb for any signs of damage, kinks, or corrosion. Ensure the sensor bulb is securely positioned in its designated location.
- **Professional Check:** It is recommended to have a qualified technician inspect your appliance and its components, including the thermostat, annually.

7. TROUBLESHOOTING

If you experience issues with your GLEM GAS EGO Thermostat, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Appliance not heating to set temperature.	Faulty thermostat, damaged capillary tube/bulb, incorrect wiring.	Verify wiring. Inspect capillary tube for damage. If issues persist, replace thermostat.
Appliance overheating.	Thermostat stuck in 'on' position, faulty sensor.	Disconnect power immediately. Replace thermostat.
Temperature fluctuates widely.	Loose sensor bulb, faulty thermostat calibration.	Ensure sensor bulb is securely in place. If problem continues, replace thermostat.
Control knob does not turn or feels loose.	Damaged control shaft, stripped knob.	Inspect control shaft and knob. Replace thermostat or knob as necessary.

If troubleshooting steps do not resolve the issue, contact a qualified service technician.

8. SPECIFICATIONS

- **Manufacturer:** GLEM GAS

- **Brand:** ROXY AB
- **Model Number:** 090G76
- **Part Number:** 55.170.62.400
- **Maximum Temperature Rating:** 318°C
- **Dimensions (Thermostat Body):** Approximately 1 x 1 x 1 cm (excluding shaft and capillary)
- **Components Included:** 1 Thermostat unit

9. WARRANTY AND SUPPORT

For warranty information, please refer to the terms and conditions provided by your original retailer or the manufacturer, ROXY AB. Keep your proof of purchase for any warranty claims.

For technical support, replacement parts, or professional service, please contact your appliance manufacturer or a certified service technician. When contacting support, please have your appliance model number, serial number, and the thermostat part number (55.170.62.400) and model number (090G76) readily available.



Figure 9.1: Customer service is available for inquiries and support.



Figure 9.2: Genuine replacement parts are available through authorized channels.