

Dometic L25 (Part No. 2868877)

Dometic Quick Thermocouple L25 Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and correct installation, operation, and maintenance of your Dometic Quick Thermocouple L25 (Part No. 2868877). A thermocouple is a critical safety device in gas appliances, designed to detect the presence of a flame. If the flame extinguishes, the thermocouple signals the gas valve to shut off the gas supply, preventing dangerous gas leaks. Please read these instructions thoroughly before installation and keep them for future reference.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Installation of gas appliance components should ideally be performed by a qualified service technician to ensure safety and proper function.
- **Disconnect Power and Gas:** Before attempting any installation or maintenance, always ensure the gas supply to the appliance is turned off and the appliance is disconnected from any electrical power source.
- **Gas Leak Check:** After installation, always perform a thorough gas leak check using a suitable leak detection solution. Never use an open flame to check for leaks.
- **Use Original Parts:** Only use genuine Dometic replacement parts to ensure compatibility and safety.
- **Ventilation:** Ensure adequate ventilation when working with gas appliances.

3. PACKAGE CONTENTS

- 1 x Dometic Quick Thermocouple L25 (Temperature Sensor)

4. INSTALLATION / SETUP

This section provides general guidance for replacing a thermocouple. Specific steps may vary depending on your appliance model. Refer to your appliance's service manual for detailed instructions.

1. **Preparation:** Ensure the gas supply to the appliance is turned off and the appliance is disconnected from any electrical power. Allow the appliance to cool completely if it has been in use.
2. **Access:** Carefully access the area where the thermocouple is located. This may involve removing

cooktop grates, burner caps, or control panels.

3. **Locate Old Thermocouple:** Identify the existing thermocouple. It is typically a metal rod or probe positioned near the burner flame, connected by a thin metal tube to the gas valve.
4. **Disconnect Old Thermocouple:** Disconnect the thermocouple from the gas valve (usually a threaded connection) and carefully remove the probe from its mounting bracket near the burner.
5. **Install New Thermocouple:** Insert the new Dometic Quick Thermocouple L25 probe into the mounting bracket, ensuring it is positioned correctly to be enveloped by the burner flame when lit. Connect the other end securely to the gas valve. Do not overtighten.
6. **Reassemble:** Reassemble any removed parts of the appliance.
7. **Test for Leaks:** Turn on the gas supply. Before lighting the burner, apply a gas leak detection solution to all connections made. Look for bubbles, which indicate a leak. If a leak is detected, turn off the gas immediately and tighten the connection. Repeat until no leaks are present.
8. **Functionality Test:** Light the burner. The flame should heat the tip of the thermocouple. Hold the control knob in the 'on' position for a few seconds (as per your appliance's instructions) then release. The flame should remain lit. If it extinguishes, recheck the thermocouple's position and connection.



Image 1: Dometic Quick Thermocouple L25. This image shows the thermocouple, a critical safety component for gas cooktops.

5. OPERATING INSTRUCTIONS

The Dometic Quick Thermocouple L25 operates passively as a safety sensor. When the burner is lit, the flame heats the tip of the thermocouple, generating a small electrical current. This current keeps the gas valve open, allowing gas to flow to the burner. If the flame goes out (e.g., due to a draft or boil-over), the thermocouple cools down, the electrical current stops, and the gas valve automatically closes, shutting off the gas supply to prevent unburnt gas from escaping.

No direct user interaction is required for the thermocouple's operation beyond ensuring it is correctly installed and functioning as part of the appliance's safety system.

6. MAINTENANCE

- **Regular Inspection:** Periodically inspect the thermocouple for any signs of damage, corrosion, or carbon buildup.

- **Cleaning:** If carbon buildup is observed on the thermocouple tip, gently clean it with a soft brush or fine sandpaper. Ensure the tip is free from obstructions to allow proper flame contact.
- **Replacement:** If the thermocouple shows signs of damage, or if the burner repeatedly fails to stay lit after releasing the control knob, the thermocouple may need to be replaced.

7. TROUBLESHOOTING

- **Burner Does Not Stay Lit:**
 - Ensure the thermocouple tip is directly in the flame path when the burner is lit.
 - Check that the thermocouple connection to the gas valve is secure.
 - Clean any carbon buildup from the thermocouple tip.
 - If the issue persists, the thermocouple may be faulty and require replacement.
- **Smell of Gas:**
 - Immediately turn off the gas supply to the appliance and ventilate the area.
 - Do not operate any electrical switches or create any sparks.
 - Check all gas connections for leaks using a leak detection solution.
 - If the smell persists or the source of the leak cannot be identified, contact a qualified gas technician immediately.

8. SPECIFICATIONS

- **Brand:** Dometic
- **Model Name:** L25
- **Part Number:** 2868877
- **Manufacturer:** DOMETIC
- **Specification Met:** CE
- **Included Components:** Temperature sensor
- **Unit Quantity:** 1 piece
- **High Precision:** Yes
- **Applicable Models (Partial List):**
 - 4071443909
 - 931002171 CE99-DF
 - 931002172 CE99-ZF
 - 931002177 PICE08
 - 931002219 PICE99
 - 931002227 PICE08
 - 958047360 CE04-DF/R
 - 958047362 CE04-DF/L
 - 958047385 CE09-DF/RA
 - 958047397 EK1600
 - 958047398 EK3200
 - 958047420 CE99-ZF

- 958047421 CE99-ZF
- 958047422 CE99-ZF
- 958047423 CE99-ZF
- 958047424 CE99-ZF460
- 958047428 CE99-DF
- 958047436 CE99-DF
- 958047438 CE99-DF
- 958047440 CE99-DF
- 958047441 CE99-DF
- 958047442 CE99-DF
- 958047443 CE9-DF
- 958047449 SK-2007-DF-I-G
- 958047450 CE08-DF
- 958047451 CE08-DF
- 958047452 CE08-DF
- 958047466 CE04-DF/R
- 958047475 KSK-2007-DF-I-G
- 958047477 CE99-DF
- 958047483 CE99-ZF
- 958047484 CE99-ZF
- 958047485 CE08-DF
- 958047486 CE04-DF/CSK-L
- 958047487 CE99-DF
- 958047489 CE99-DF
- 958047490 CE99-DF
- 958047493 CE99-DF
- 958047494 CE99-ZF
- 958047503 CE04-DF
- 958047516 CE99-ZF
- 958047518 CE04-DF/CSK-L
- 958047526 CE99-ZF
- 958047533 CE04-DF
- 958047537 CE99-ZF460
- 958047541 CE99-ZF460
- 958047548 CE08-DF
- 958047549 CE88ZF+Grill
- 958047551 CE99-ZF
- 958047558 CE88ZF+Grill
- 958047560 CE99-ZF
- 958047562 CE99-ZF460
- 958047569 CE88ZF+Grill
- 958047570 CE88ZF+Grill
- 958047571 CE88ZF+Grill

- 958047578 BBQPLANCHA
- 958047586 CE99-ZF460
- 958047591 CE88ZF+Grill
- 958047592 CE88ZF+Grill
- 958047593 CE88ZF+Grill
- 958047594 CE88ZF+Grill
- 958047595 CE88ZF+Grill
- 958047596 BBQPLANCHA
- 958047603 PIA953 CE8899
- 958047604 CE99-ZF
- 958047605 CE04-DF/CSK-L
- 958047606 CE04-DF/CSK-R
- 958047608 KSK-2007-DF-I-G
- 958047610 KSK-2007-DF-TFTZ-I-G
- 958047611 PICE08
- 958047612 CE09-DF/RA
- 958047613 CE09-DF/RA
- 958047614 CE99-ZF
- 958047616 CE99-DF
- 958047619 CE99-DF
- 958047620 CE09-DF/RA
- 958047622 CE12-ZF/RA-R
- 958047623 CE12-ZF/RA-L
- 958047628 KSK-2007-DF
- 958047717 CE99-Z-Z-ZF
- 958047739 CE99-ZF
- 958047849 CE04-DF/CSK-R
- 958047850 EK1600
- 958047851 EK3200
- 958047858 CE04-DF/CSK-L
- 958047859 CE04-DF/CSK-R
- 958047876 CE99-ZF
- 958047877 PISK2000
- 958047878 PISK2000
- 958047928 PISK2000
- 958047938 PICE08
- 958047954 BBQPLANCHA
- 958047955 PICE09
- 958047988 PISK2000

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Dometic Quick Thermocouple L25, please refer to the warranty documentation provided with your original appliance or contact Dometic customer

service directly. Keep your purchase receipt as proof of purchase.

You can typically find contact information for Dometic support on their official website or in the documentation that came with your Dometic appliance.