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### De Dietrich 88065537

## De Dietrich Diematic 3 Probe Card (Model 88065537) Instruction Manual

### 1. INTRODUCTION

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The De Dietrich Diematic 3 Probe Card, model 88065537, is a replacement circuit board designed for integration with De Dietrich Diematic 3 boiler control systems. This card is essential for processing sensor data, ensuring accurate monitoring and optimal operation of your heating system. It is intended for use by qualified technicians.

### 2. SAFETY INFORMATION

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- **Electrical Hazard:** Always disconnect the main power supply to the boiler system before attempting any installation, maintenance, or repair procedures. Failure to do so can result in electric shock or serious injury.
- **Qualified Personnel:** Installation and servicing of this probe card should only be performed by a qualified and certified HVAC technician.
- **Original Parts:** Use only genuine De Dietrich replacement parts to ensure compatibility and safe operation.
- **Boiler Manual:** Refer to the main De Dietrich Diematic 3 boiler manual for additional safety guidelines and specific system requirements.

### 3. PRODUCT OVERVIEW

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The De Dietrich Diematic 3 Probe Card (Model 88065537) consists of a main circuit board with various connection points for system wiring and a ribbon cable interface. It typically includes a dedicated sensor for temperature measurement, which connects directly to the board.



This image displays the De Dietrich Diematic 3 Probe Card (Model 88065537). The green circuit board features various connectors for wiring and a ribbon cable. A grey sensor cable with a metallic tip and a blue label is coiled in the foreground, along with small white plastic mounting clips and metal washers.

#### 4. SETUP AND INSTALLATION

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Follow these steps for proper installation of the probe card:

1. **Power Disconnection:** Ensure the main power supply to the boiler system is completely disconnected and verified with a voltage tester.
2. **Access Control Panel:** Carefully open the boiler's control panel to gain access to the existing Diematic 3 board.
3. **Remove Old Card:** Document the existing wiring configuration. Carefully disconnect all wiring and ribbon cables from the old probe card. Note the position of each connection, taking photos if necessary.
4. **Install New Card:** Align the new De Dietrich Diematic 3 Probe Card (88065537) with the mounting points. Secure it in place using the provided hardware or existing fasteners.
5. **Connect Wiring:** Reconnect all wiring and ribbon cables to their corresponding terminals on the new card, following your documentation from step 3. Ensure all connections are secure and correctly seated.
6. **Sensor Connection:** Connect the provided sensor cable to the designated port on the probe card. Ensure the sensor is correctly installed in its intended location within the boiler system (e.g., flow pipe, return pipe, or outdoor sensor location).
7. **Secure Panel:** Carefully close and secure the boiler's control panel.
8. **Restore Power:** Reconnect the main power supply to the boiler system.

#### 5. OPERATING INSTRUCTIONS

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Once installed, the probe card operates in conjunction with the Diematic 3 control unit.

- **Initial Power-Up:** After installation and power restoration, the Diematic 3 control unit should perform a self-test. Observe the display for any error messages.
- **System Configuration:** Refer to your main De Dietrich Diematic 3 boiler manual for specific configuration and calibration procedures related to the probe card and its sensors. This may involve setting temperature parameters, sensor types, or system operating modes.
- **Monitoring:** The probe card continuously monitors sensor data (e.g., temperatures) and transmits this

information to the Diematic 3 control unit. The control unit uses this data to regulate boiler operation, maintain desired temperatures, and ensure system efficiency.

## 6. MAINTENANCE

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Regular maintenance helps ensure the longevity and reliable operation of your probe card.

- **Regular Inspection:** Periodically (e.g., annually during boiler servicing) inspect the probe card and its connections for any signs of wear, corrosion, loose wiring, or physical damage. Ensure the sensor cable is intact and properly routed.
- **Cleaning:** If necessary, gently clean the board with a soft, dry brush or compressed air to remove dust accumulation. Do not use liquids, solvents, or abrasive cleaners, as these can damage electronic components.
- **Sensor Calibration:** If the boiler system exhibits inaccurate temperature readings or inconsistent performance, consult a qualified technician. The sensor connected to the probe card may require calibration or replacement.

## 7. TROUBLESHOOTING

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If you encounter issues with your Diematic 3 Probe Card, consider the following troubleshooting steps:

- **No Power to Board:**
  - Verify that the main power supply to the boiler is connected and active.
  - Check boiler fuses and circuit breakers.
  - Ensure all power connections to the probe card and the main Diematic 3 control unit are secure.
- **Incorrect Sensor Readings:**
  - Check the physical connection of the sensor cable to the probe card.
  - Inspect the sensor itself for damage or improper placement.
  - Consult the main boiler manual for expected sensor resistance values or diagnostic procedures.
- **System Error Codes:**
  - If the Diematic 3 control unit displays specific error codes related to sensors or the probe card, refer to the boiler's troubleshooting guide for detailed explanations and solutions.
  - A faulty probe card may require replacement if other troubleshooting steps do not resolve the issue.
- **Intermittent Operation:**
  - Check for loose connections or signs of corrosion on the board and wiring.
  - Ensure the operating environment is within specified temperature and humidity ranges.

If problems persist after attempting these steps, contact a qualified service technician.

## 8. SPECIFICATIONS

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<b>Brand</b>	De Dietrich
<b>Model Number</b>	88065537
<b>Product Type</b>	Probe Card for Diematic 3 Boiler Control

<b>Weight</b>	280 grams
<b>ASIN</b>	B00JFPMFOA

## 9. WARRANTY INFORMATION

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Warranty information for the De Dietrich Diematic 3 Probe Card (Model 88065537) is typically provided by the point of purchase or directly by De Dietrich. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, including coverage duration and claim procedures, contact your supplier or De Dietrich customer service. Availability of spare parts may vary.

## 10. SUPPORT

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For technical assistance, installation support, or inquiries regarding spare parts, please contact your authorized De Dietrich service provider or the retailer from whom the product was purchased. When seeking support, always provide the model number (88065537) and details of your specific boiler system to ensure efficient assistance.