

De'Longhi 5248007000

De'Longhi Dehumidifier Control Board Instruction Manual

Model: 5248007000 | Brand: De'Longhi

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your De'Longhi Dehumidifier Control Board (PCB DEFROST PCB + probe), model 5248007000. This original De'Longhi replacement part is crucial for the efficient functioning of your dehumidifier's defrost system. Please read this manual thoroughly before attempting any installation or service.

2. SAFETY INFORMATION

- Always disconnect the dehumidifier from the power supply before installing or servicing the control board.
- Installation should only be performed by qualified personnel to prevent electrical shock or damage to the appliance.
- Handle the control board with care to avoid damage to electronic components. Avoid touching exposed circuits.
- Ensure all connections are secure and correctly oriented before restoring power.
- Do not operate the dehumidifier if the control board or any other component appears damaged.

3. PRODUCT OVERVIEW

The De'Longhi Dehumidifier Control Board (Model 5248007000) is a genuine replacement part designed to manage the defrost cycle and overall operation of compatible De'Longhi dehumidifiers. It includes the main Printed Circuit Board (PCB), a dedicated defrost PCB, and a sensor probe. This component ensures the dehumidifier's automatic moisture removal function operates effectively, preventing ice buildup on the evaporator coils.

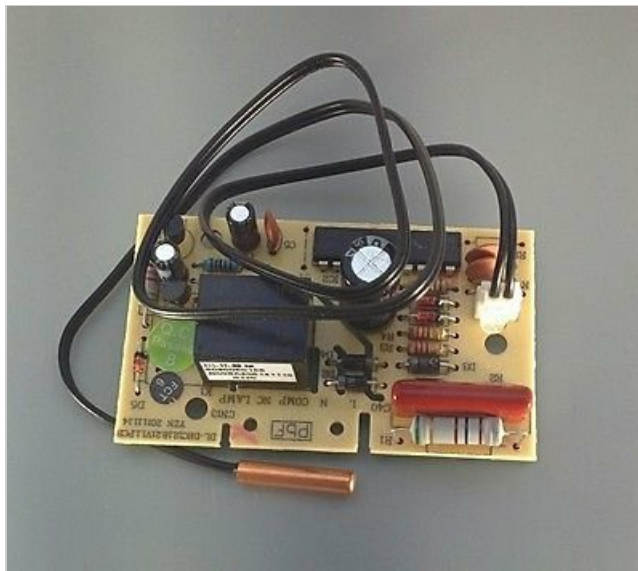


Image showing the De'Longhi Dehumidifier Control Board, model 5248007000, which includes the PCB, defrost PCB, and sensor probe.

4. COMPATIBLE MODELS

This control board is compatible with various De'Longhi dehumidifier models. Please verify your appliance's model number against the list below. If your model is not listed, contact De'Longhi customer support for compatibility confirmation before purchase.

- DA12
- CD 1200
- DCA 24
- DCA 30R
- ND12
- XR 24 SIAL (R134a)
- XR 30R SIAL (R134a)
- ND15R
- DEC 12
- DEC 18
- SDC 12
- SDC 18
- DEC 18MGY
- DCA 18 (R18) 34a)
- DCA 12
- DEC 10A

5. INSTALLATION INSTRUCTIONS

Warning: Installation of this component involves working with electrical parts. It is highly recommended that installation be performed by a certified technician or an experienced professional to ensure safety and proper functionality.

1. **Disconnect Power:** Ensure the dehumidifier is unplugged from the main power outlet.
2. **Access Control Board:** Carefully open the dehumidifier casing to access the existing control board. Refer to your dehumidifier's specific service manual for instructions on accessing internal components.

3. **Document Connections:** Before disconnecting any wires, take clear photos or make detailed diagrams of all wire connections to the old control board. Note the position and color of each wire.
4. **Remove Old Board:** Disconnect all wires and mounting screws securing the old control board. Carefully remove it.
5. **Install New Board:** Position the new De'Longhi Control Board (5248007000) in place and secure it with the mounting screws.
6. **Connect Wires:** Reconnect all wires to the new control board according to your documented connections. Ensure the defrost PCB and sensor probe are correctly connected. Double-check all connections for security and accuracy.
7. **Close Casing:** Once all connections are verified, carefully reassemble the dehumidifier casing.
8. **Test Functionality:** Plug the dehumidifier back into the power outlet and test its operation, paying attention to the defrost cycle and overall performance.

6. OPERATING INSTRUCTIONS

The control board itself does not have direct user-operable controls. Its function is to manage the internal processes of the dehumidifier, including the defrost cycle and automatic moisture removal, based on the settings you select on the dehumidifier's main control panel. Once installed correctly, the control board will operate automatically in conjunction with your dehumidifier's existing settings.

- Ensure the dehumidifier is powered on and set to your desired humidity level.
- The control board will monitor the evaporator coil temperature and initiate the defrost cycle as needed to prevent ice buildup.
- The automatic moisture removal feature will continue to function as designed by the dehumidifier's original specifications.

7. MAINTENANCE

The De'Longhi Dehumidifier Control Board (5248007000) is a sealed electronic component and generally requires no routine maintenance. However, to ensure its longevity and optimal performance, consider the following:

- **Keep Dry:** Ensure the dehumidifier's internal environment remains dry and free from excessive moisture or condensation, which could damage electronic components.
- **Clean Air Filters:** Regularly clean or replace the dehumidifier's air filters to maintain proper airflow and prevent the unit from overworking, which can indirectly stress electronic parts.
- **Professional Inspection:** If you suspect any issues with the control board or the dehumidifier's defrost function, consult a qualified technician for inspection and diagnosis.

8. TROUBLESHOOTING

If your dehumidifier is experiencing issues after replacing the control board, consider these troubleshooting steps:

- **No Power:** Check if the dehumidifier is properly plugged in and if the circuit breaker has tripped. Verify all internal power connections to the control board.
- **Dehumidifier Not Operating:** Ensure all wires are correctly connected to the new control board as per your documentation. Incorrect wiring can prevent the unit from starting.
- **Defrost Malfunction:** If the unit is icing up or not defrosting, check the connection of the defrost PCB and the sensor probe. Ensure the probe is correctly positioned and not damaged.
- **Error Codes:** If the dehumidifier displays an error code, consult your dehumidifier's main user manual for

the meaning of the code and recommended actions.

- **Persistent Issues:** If problems persist after checking connections and basic troubleshooting, it is advisable to contact a qualified service technician or De'Longhi customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	De'Longhi
Model Number	5248007000
Component Type	Dehumidifier Control Board (PCB DEFROST PCB + Probe)
Material	Plastic, Electronic Components
Special Features	Automatic moisture removal, Defrost control
Included Components	PCB, Defrost PCB, Sensor for dehumidifier bags
Manufacturer	De'Longhi

10. WARRANTY AND SUPPORT

This De'Longhi original replacement part is covered by the manufacturer's standard warranty. For specific warranty terms and conditions, please refer to the documentation provided with your original dehumidifier or contact De'Longhi customer service.

For technical support, troubleshooting assistance, or to inquire about compatible models not listed in this manual, please contact De'Longhi customer support through their official website or the contact information provided in your dehumidifier's original manual.