

Norlake 164775 Ke2 OEM Evap

Norlake 164775 Low Temp Control Ke2 OEM Evap

INSTRUCTION MANUAL

1. Product Overview

This manual provides essential information for the proper handling, installation, operation, and maintenance of the Norlake **164775 Low Temp Control Ke2 OEM Evap**. This component is a genuine Original Equipment Manufacturer (OEM) part designed for use in commercial refrigeration systems, specifically for low-temperature evaporator control. Utilizing genuine OEM parts ensures optimal safety, reliability, and performance of your refrigeration equipment. This control board is integral to maintaining precise temperature regulation within the evaporator unit.

2. Safety Information

WARNING: Electrical Hazard. Risk of Electric Shock.

- Installation and servicing must be performed by qualified, licensed personnel only.
- Always disconnect power to the refrigeration unit before installing, servicing, or removing this component.
- Ensure all wiring connections comply with local and national electrical codes.
- Do not operate the unit with damaged wiring or components.
- This component contains no user-serviceable parts. Do not attempt to open or repair the control board.

3. What's in the Box

- One (1) Norlake 164775 Low Temp Control Ke2 OEM Evap Replacement Part

4. Specifications

Attribute	Value
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Product Dimensions	7 x 11 x 13 inches
Product Weight	Approximately 14.72 ounces (0.92 lbs)
Manufacturer	Norlake
ASIN	B0BW53H4JQ
Date First Available	February 18, 2023

5. Setup and Installation

Installation of the Norlake 164775 Low Temp Control Ke2 OEM Evap requires specialized knowledge and tools. It is imperative that this procedure is carried out by a certified refrigeration technician or a qualified electrician to ensure proper function and safety.



Figure 1: Main view of the Norlake 164775 Low Temp Control Ke2 OEM Evap board. This image shows the overall layout of the circuit board with various components and connectors.

General Installation Steps (for qualified personnel only):

1. **Power Disconnection:** Locate the main power supply to the refrigeration unit and disconnect it completely. Verify power is off using a voltage meter.
2. **Access:** Gain access to the existing evaporator control board within the refrigeration unit. This may involve removing panels or covers.
3. **Documentation:** Before disconnecting, carefully document all existing wiring connections, including wire colors and terminal locations. Taking photographs is highly recommended.
4. **Removal of Old Part:** Disconnect all wires from the old control board. Carefully unmount the old board from its position.
5. **Installation of New Part:** Mount the new Norlake 164775 control board in the same location as the old one. Ensure it is securely fastened.
6. **Wiring:** Connect all wires to the new control board according to the documentation created in step 3. Double-check every connection for accuracy and tightness.

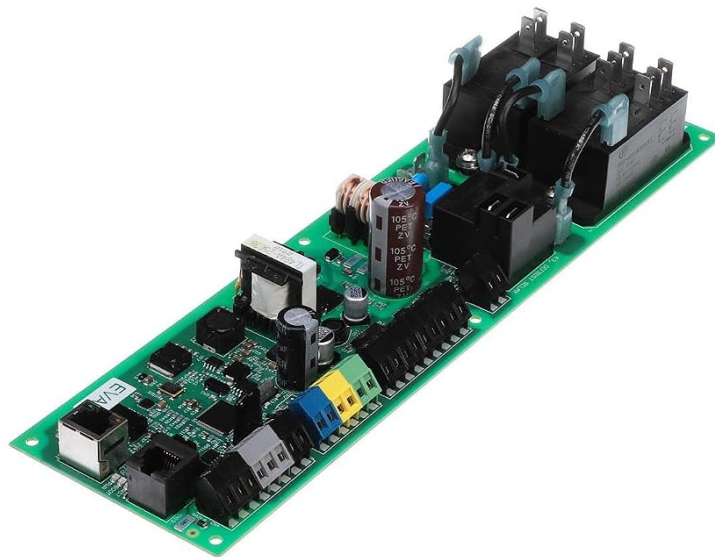


Figure 2: Angled view of the control board, highlighting the various connection terminals and relays. Proper connection to these

terminals is crucial for correct operation.

7. **Secure and Close:** Once all connections are verified, replace any removed panels or covers.
8. **Power Reconnection:** Restore power to the refrigeration unit.
9. **System Test:** Monitor the refrigeration system to ensure the new control board is functioning correctly and maintaining desired temperatures.

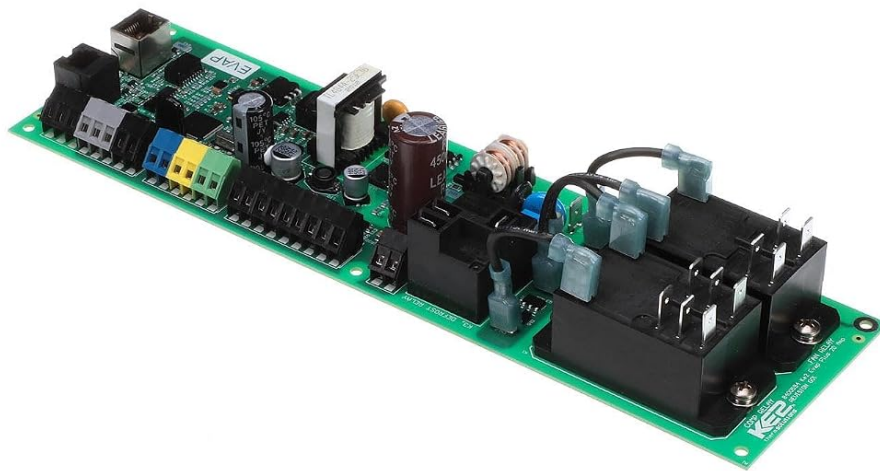


Figure 3: Side view of the control board, showing the profile and component height. This perspective can be useful for understanding mounting requirements.

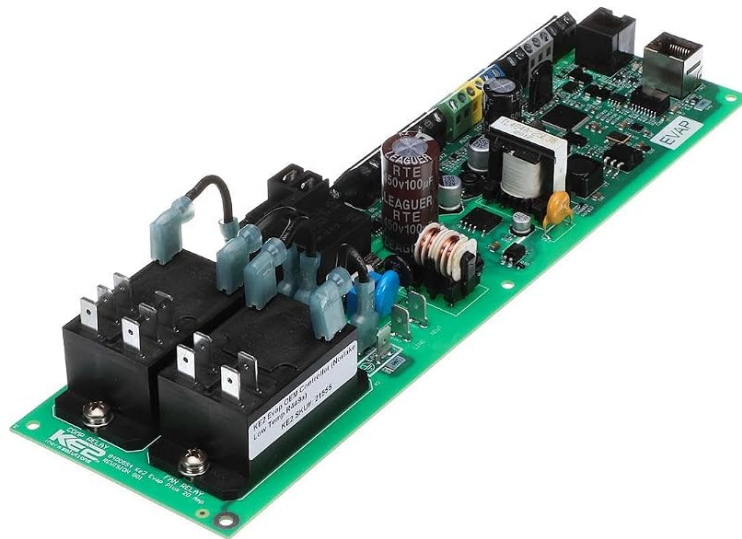


Figure 4: Top-down view of the control board, providing a clear perspective of the integrated circuits and component placement.

6. Operation

The Norlake 164775 Low Temp Control Ke2 OEM Evap is designed to operate automatically once correctly installed and integrated into the refrigeration system. Its primary function is to monitor and control the temperature within the evaporator, ensuring efficient and consistent low-temperature conditions.

The control board receives input from temperature sensors and activates or deactivates refrigeration components (e.g., compressors, fans, defrost heaters) as needed to maintain the set temperature range. No direct user interaction is typically required for its operation after installation.

7. Maintenance

The Norlake 164775 Low Temp Control Ke2 OEM Evap is a sealed electronic component and requires minimal direct maintenance. However, regular maintenance of the overall refrigeration system is crucial for the longevity and proper functioning of all its components, including this control board.

- **Regular Inspections:** Periodically inspect the control board and its wiring for any signs of damage, loose connections, or corrosion. This should be done by a qualified technician during routine system maintenance.
- **Cleanliness:** Ensure the area around the control board is kept clean and free from dust, debris, or moisture, which can interfere with electronic components.
- **Professional Servicing:** Any issues or suspected malfunctions with the control board should be addressed by a qualified refrigeration technician. Do not attempt to clean the board with liquids or abrasive materials.

8. Troubleshooting

If the refrigeration unit is experiencing issues related to temperature control or evaporator function, the Norlake 164775 control board may be a contributing factor. Due to the complexity of refrigeration systems and the sensitive nature of electronic controls, troubleshooting should always be performed by a qualified technician.

Common Indicators of Potential Control Board Issues:

- Inconsistent or incorrect temperature readings.
- Failure of defrost cycles.
- Compressor or fan cycling issues.
- Error codes displayed on the main refrigeration unit's control panel (if applicable).

Troubleshooting Steps (for qualified personnel only):

1. **Verify Power:** Confirm that the control board is receiving proper power supply.
2. **Check Connections:** Inspect all wiring connections to and from the control board for looseness or corrosion.
3. **Sensor Check:** Test associated temperature sensors for proper operation and calibration.
4. **System Diagnostics:** Utilize system diagnostic tools to identify specific fault codes or component failures.
5. **Replacement:** If the control board is determined to be faulty after thorough diagnostics, replace it with a genuine Norlake 164775 OEM part following the installation instructions in Section 5.

Do not attempt to repair a malfunctioning control board. Replacement is the only recommended solution for a faulty unit.

9. Warranty and Support

For information regarding the warranty of the Norlake 164775 Low Temp Control Ke2 OEM Evap, please refer to the warranty documentation provided at the time of purchase or contact your authorized Norlake distributor or the manufacturer directly.

For technical support or further assistance, please contact Norlake customer service or a certified refrigeration technician.

Norlake Contact Information: Please visit the official Norlake website or refer to your product documentation for the most current contact details.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question