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Model: ECB-LS230-WiFi

1. INTRODUCTION

The Elitech ECB-LS230-WiFi is a sophisticated split electrical control box designed for precise temperature management in various applications, including cooling, defrosting, and fan control. It features a large LED display, Bluetooth and WiFi connectivity for remote monitoring, and a split design for enhanced safety and installation flexibility. This manual provides essential information for the safe and efficient operation of your device.

2. KEY FEATURES

- **Split Design:** The main controller is separated from the display board, allowing for remote control up to 200 meters and ensuring convenient and safe installation.
- **Large Touch Screen:** Equipped with an innovative LED touch screen for a large display and easy operation.
- **Safe Design:** The separation of the controller box and the control display board ensures strong and weak electricity are isolated, enhancing operational safety.
- **Parameter Settings on APP:** Parameters can be set and adjusted via a mobile application using WiFi connectivity, simplifying configuration.
- **Real-time Alarms:** Provides real-time reporting of equipment status through SMS, APP, and email, enabling 24-hour remote monitoring.

3. SETUP AND INSTALLATION

Installation of the Elitech ECB-LS230-WiFi involves mounting the main controller and the display panel separately. This split design allows for remote placement of the display up to 200 meters from the main unit, enhancing safety by separating strong and weak electrical currents. Ensure all wiring is performed by a qualified professional according to local electrical codes.



Figure 3.1: Elitech ECB-LS230-WiFi Main Control Unit

This image shows the main control unit of the Elitech ECB-LS230-WiFi. It features an orange casing with blue mounting brackets on the sides, indicating its robust industrial design. The Elitech logo and model number ECB-LS230 are visible on the front.

4. OPERATING INSTRUCTIONS

The control box features a large LED touch screen for direct operation and parameter adjustments. Additionally, parameters can be configured and monitored via a mobile application using WiFi connectivity.

4.1 Display Panel and Buttons

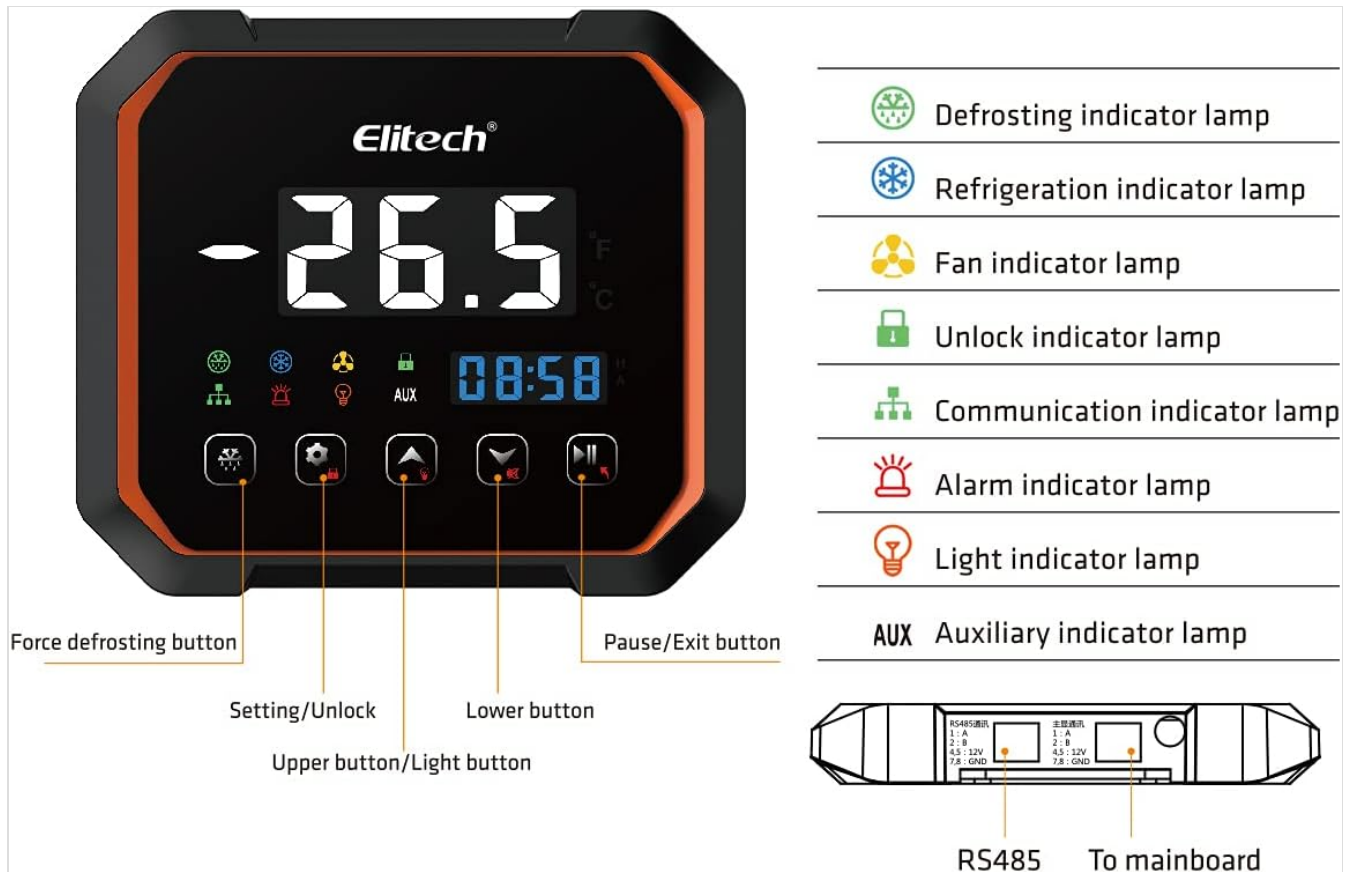


Figure 4.1: Elitech ECB-LS230-WiFi Display Panel

This image details the user interface of the Elitech ECB-LS230-WiFi. It features a large LED display showing temperature (-26.5°F) and time (08:58). Various indicator lamps for defrosting, refrigeration, fan, unlock, communication, alarm, and auxiliary functions are present. Control buttons for force defrosting, setting/unlock, upper, lower, and pause/exit are clearly labeled for intuitive operation.

4.2 Mobile Application Control

The Elitech iCold mobile application allows for remote monitoring and parameter adjustment. Connect your device to WiFi and pair it with the app to access real-time data, historical graphs, and alarm notifications.



Figure 4.2: Elitech iCold Mobile Application Interface

This image illustrates the Elitech iCold mobile application, demonstrating its remote monitoring capabilities. The app displays device information, data graphs, alarms, and notification settings. A temperature graph shows historical data, allowing users to track performance over time. The display panel is also shown alongside the phone, indicating the integrated system.

5. MAINTENANCE

To ensure optimal performance and longevity of your Elitech ECB-LS230-WiFi, regular maintenance is recommended. Keep the unit clean and free from dust. Ensure all electrical connections are secure and free from corrosion. Avoid exposing the device to extreme temperatures or humidity beyond its specified operating conditions. Periodically check for any signs of wear or damage to cables and components.

6. TROUBLESHOOTING

Should you encounter issues with your Elitech ECB-LS230-WiFi, consider the following basic troubleshooting steps:

- **No Power:** Check all power connections and ensure the power supply meets the specified voltage (380 Volts). Verify that the circuit breaker is not tripped.
- **Display Not Responding:** Verify the connection between the main controller and the display panel. Ensure the display cable is securely connected at both ends.

- **Incorrect Temperature Readings:** Ensure temperature sensors are correctly installed and not damaged. Check sensor wiring for continuity and proper connection.
- **Connectivity Issues (WiFi/Bluetooth):** Check network settings on your mobile device and ensure the control box is within range of the WiFi router or Bluetooth device. Restart the control box and your mobile device.
- **Alarms:** Refer to the alarm indicator lamp on the display panel and check the mobile application for real-time alarm details and diagnostic information.

For persistent issues, contact Elitech customer support for further assistance.

7. SPECIFICATIONS

Specification	Detail
Model	ECB-LS230-WiFi
Brand	Elitech
Colour	Copper
Voltage	380 Volts
UPC	781454242382
Manufacturer	Elitech
Country Of Origin	China
ASIN	B097MWLGC1
GTIN	781454242382

8. WARRANTY AND SUPPORT

For detailed warranty information, terms, and conditions, please refer to the documentation provided with your Elitech ECB-LS230-WiFi purchase. For technical support, product inquiries, or service requests, please contact Elitech Technology, Inc. directly through their official website or customer service channels. Keep your purchase receipt and product serial number handy when contacting support.