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LDGSUPH Universal Air Conditioning Control Panel Wire Controller

LDGSUPH Universal Air Conditioning Control Panel Wire Controller User Manual

Model: Universal (Compatible with Hisense YXE-C01U1, YXE-D01U)

Brand: LDGSUPH

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your LDGSUPH Universal Air Conditioning Control Panel Wire Controller. This controller is designed for central air conditioning systems and is compatible with specific Hisense models, including YXE-C01U1 (E)/20173797. C and YXE-D01U (E)/1884133. D. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. Safety Information

- Always disconnect power to the air conditioning unit before installing or servicing the control panel.
- Installation should be performed by a qualified technician to prevent electrical shock or damage to the unit.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not expose the control panel to water or excessive moisture.
- Do not attempt to repair the unit yourself. Refer to qualified service personnel.

3. Product Overview

The LDGSUPH Universal Air Conditioning Control Panel provides intuitive control over your central air conditioning system. It features a digital display and clearly labeled buttons for various functions.



Figure 3.1: Front View of Control Panel. This image displays the front of the control panel, featuring a central digital display and an array of buttons for various functions such as ON/OFF, Mode, Fan, Timer/Clock, Swing, Enter, Add. Func., Cancel, and Sleep. The display shows a faint pattern, indicating its electronic nature.

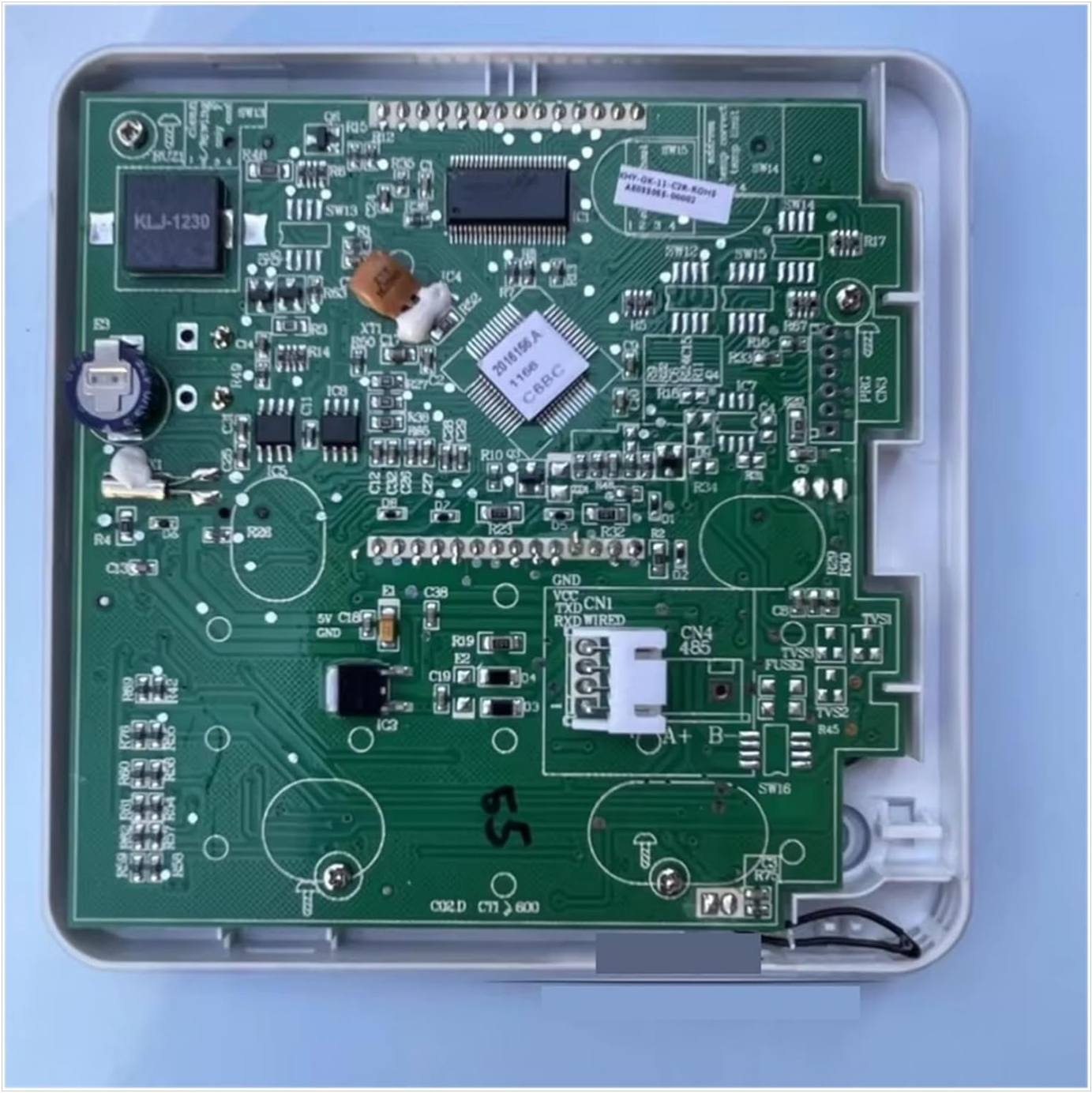


Figure 3.2: Internal Circuit Board (View 1). This image shows the internal components of the control panel, specifically the green circuit board with integrated circuits, resistors, capacitors, and connectors. Key labels like "KLJ-1230" and "CN4 485" are visible, indicating connection points and component identifiers.

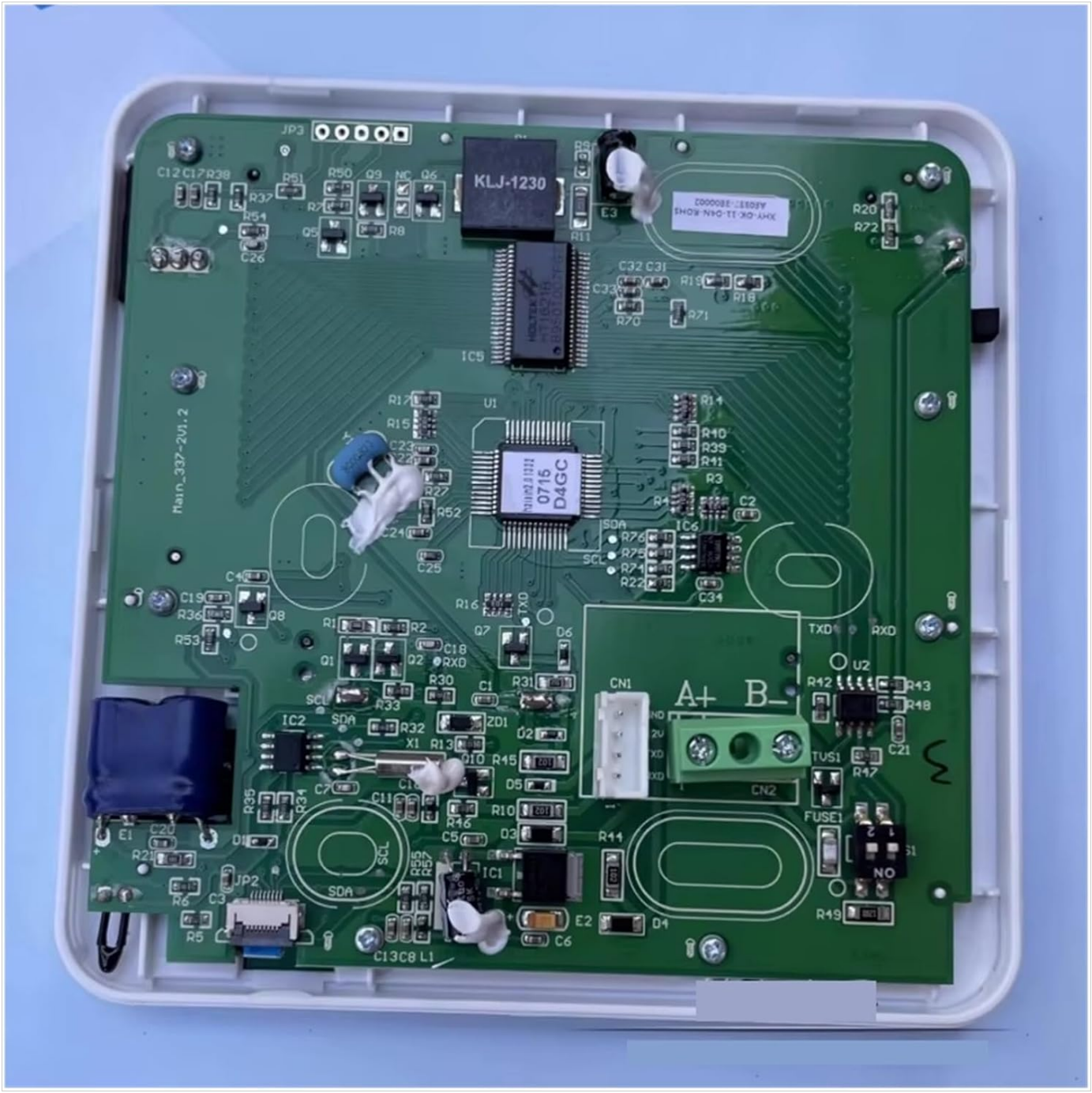


Figure 3.3: Internal Circuit Board (View 2). This image provides an alternative perspective of the control panel's circuit board, revealing additional details of the electronic layout. It shows various chips, solder points, and connection terminals, including "A+ B-" for communication wiring, and a large blue capacitor.

4. Installation and Setup

This control panel is designed as a replacement or upgrade for compatible Hisense central air conditioning units. Due to the nature of electrical connections and system integration, professional installation is highly recommended.

4.1 Pre-Installation Checklist

- Ensure the main power to the air conditioning unit is turned off at the circuit breaker.
- Verify compatibility with your existing Hisense air conditioning model (YXE-C01U1 or YXE-D01U).
- Gather necessary tools: screwdriver set, wire strippers, multimeter (for verification).

4.2 Wiring Instructions

1. Carefully remove the existing control panel, noting the wiring connections. It is advisable to take a photograph of the existing wiring before disconnection.
2. Identify the corresponding terminals on the new LDGSUPH control panel. Refer to the internal circuit board images (Figure 3.2, 3.3) for visual guidance on connection points like "A+ B-".
3. Connect the communication wires (typically A+ and B-) from your air conditioning unit to the designated terminals on the new control panel.
4. Securely fasten all wires, ensuring no loose connections.
5. Mount the new control panel in the desired location.

4.3 Post-Installation

Once installed, restore power to the air conditioning unit. The control panel should power on and display initial settings. Proceed to the Operating Instructions section to configure your system.

5. Operating Instructions

The control panel offers several functions to manage your air conditioning system. Refer to Figure 3.1 for button locations.

5.1 Basic Functions

- **ON/OFF:** Press this button to turn the air conditioning unit on or off.
- **Temperature Adjustment:** Use the ▲ (Up) and ▼ (Down) arrow buttons (located around the ENTER button) to increase or decrease the desired temperature.
- **FAN:** Press the FAN button to cycle through different fan speeds (e.g., Low, Medium, High, Auto).

5.2 Mode Selection

Press the **MODE** button to select the desired operating mode for your air conditioner. Available modes typically include:

- **Cooling:** For reducing room temperature.
- **Heating:** For increasing room temperature (if supported by your AC unit).
- **Dehumidifying:** For reducing humidity levels.
- **Ventilation:** For circulating air without heating or cooling.
- **Auto:** The system automatically selects the appropriate mode based on the set temperature and ambient conditions.

5.3 Programmable Timer

The **TIMER/CLOCK** button allows you to set a specific time for the unit to turn on or off automatically.

1. Press **TIMER/CLOCK**. The display will show timer settings.
2. Use the ▲ (Up) and ▼ (Down) arrows to adjust the desired ON or OFF time.
3. Press **ENTER** to confirm the setting.
4. To cancel a timer, press **CANCEL**.

5.4 Additional Functions

- **ADD. FUNC.:** This button may access advanced settings or specific features depending on your air conditioning unit. Consult your AC unit's manual for details.
- **SWING:** Controls the louver swing function for air distribution. Press to activate or deactivate, or to cycle through swing modes.
- **SLEEP:** Activates a sleep mode, which typically adjusts temperature and fan speed for comfortable sleep and energy saving.

6. Maintenance

The LDGSUPH control panel requires minimal maintenance.

- **Cleaning:** Wipe the surface of the control panel with a soft, dry cloth. Do not use abrasive cleaners, solvents, or wet cloths, as these can damage the display or buttons.
- **Inspection:** Periodically check for any loose connections or visible damage. If any issues are found, contact a qualified technician.

7. Troubleshooting

If you encounter issues with your control panel, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Panel does not power on.	No power supply; loose wiring; incompatible unit.	Check circuit breaker. Verify wiring connections. Confirm compatibility with your AC unit.
Buttons are unresponsive.	Temporary software glitch; physical damage.	Turn off power to the AC unit for 5 minutes, then restore. If issue persists, contact support.
Incorrect temperature display.	Sensor issue; calibration needed.	This may indicate a fault with the internal sensor. Contact a qualified technician.
Air conditioner not responding to commands.	Communication error; AC unit fault.	Check communication wiring (A+, B-). Ensure the AC unit itself is functioning correctly.

If troubleshooting steps do not resolve the issue, please contact customer support or a qualified HVAC technician.

8. Specifications

Product Type: Central Air Conditioning Control Panel Wire Controller

Brand: LDGSUPH

Model Compatibility: Hisense YXE-C01U1 (E)/20173797. C, Hisense YXE-D01U (E)/1884133. D (Universal model)

Application: Home Air Conditioning Systems

Material: Various plastics and electronic components

Dimensions: Approximately 1 x 1 x 1 cm (Parcel Dimensions, actual product dimensions may vary slightly)

Weight: Approximately 50 g

Origin: Mainland China

9. Warranty and Support

Specific warranty information for the LDGSUPH Universal Air Conditioning Control Panel is not provided in this manual. Please refer to your purchase documentation or contact your retailer for warranty details.
For technical support or inquiries, please contact the seller or manufacturer through the platform where the product was purchased. When contacting support, please provide your product model and purchase date.

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