

ELECTRIC AIR CONDITIONER USER MANUAL

MODEL LC-2



Instructions for Air Conditioning Evaporator Box V1.0

1. Function and operation:

2. Power on: In the off state, press the switch button to start the air conditioning.
3. Shutdown: When turned on, press the switch button to turn off the air conditioning.
4. Wind speed adjustment: After turning on the air conditioning, press the wind speed button and set the wind speed range from 1 to 5 in a cycle setting.
5. Temperature adjustment: After turning on the air conditioner, press the temperature increase button to increase the set temperature, and press the temperature decrease button to decrease the set temperature.
6. Mode switching: After the air conditioning is turned on, press the settings or M button to switch between automatic (standard), strong, and sleep cycles.
7. Timed shutdown: When the air conditioner is running, press the remote control to increase the set working time and decrease the working time.
8. Air outlet angle adjustment: The five hole evaporator box manually adjusts the air outlet angle. For an evaporator box with an air door, press the remote control's sweeping button to set the air outlet angle of the air door.
9. Remote control lighting button: Press the panel display screen of the ordinary evaporator to turn on and off and press the evaporator with a reading light to turn on or off the reading light.

2. Undervoltage value setting:

After the undervoltage fault occurs, please long press the set or M button for 3 seconds to enter the undervoltage setting. At this time, press the temperature decrease button to lower the undervoltage setting value to the appropriate voltage.

3. Core temperature setting: (antiicing)

*During air conditioning operation, press and hold the set or M button for 3 seconds to display the core temperature on the display screen. At this time, press the temperature increase button to increase the defrost temperature (press the temperature decrease button to decrease the defrost temperature)

4. Wind speed fine-tuning function:

1. First level wind speed adjustment: Set the wind speed to the first level, press and hold the wind speed button, and the panel will display the current fan voltage. At this time, click the temperature increase/decrease button to adjust the wind speed.
2. Five level wind speed adjustment: Set the wind speed to five levels, press and hold the wind speed button at this time, and the panel will display the current fan voltage. At this time, click the temperature increase/decrease button to adjust the wind speed.

5. Identify the fault location:

1. Observe the flashing of the two indicator lights inside and outside the panel to determine the location of the fault. Internal unit malfunction light flashing: If there is a malfunction in the evaporator box inside the driver's cab, check the internal unit for the corresponding fault code.

2. External unit fault light flashing: If the compressor unit outside the driver's cab malfunctions, corresponding (provided by the external unit) fault code inspection and processing (fault code E02 represents the external unit fault flashing twice and pausing once, and so on)

Flicker	Fault codes	Fault Description	Fault location
Internal machine	E00	Fan malfunction	Indoor evaporation box
	E01	Low Battery Voltage	
External machine	E02、E03、、、E**	Handling of corresponding external machine fault codes	Outdoor compressor unit

6. Compressor controller flashing code explanation (for reference only, final code provided by the supplier shall prevail)

Internal display code	External flashing code	Compressor controller	
		Top control	Sai zheng
E02	2	Overcurrent protection checks whether the external unit has normal heat dissipation and whether there is a heat source at the installation position of the external unit	Controller operation circuit over protection
E03	3	Check if the compressor motor wire is in good contact or if the compressor is stuck in the cylinder for rotor blocking protection	Controller blocking protection
E04	4	Undervoltage protection check of controller power supply line, controller undervoltage protection	Controller undervoltage protection
E05	5	Check for wear and short circuit in the connecting wire between the controller and the compressor for phase line short circuit	Air conditioning not cooling, (lack of refrigerant, blocked pipelines, damaged compressor)
E06	6	Over voltage protection inspection of controller power supply line,	Outdoor fan failure

		controller overvoltage protection	
E07	7	Continuous stuck rotor shut down and stuck rotor protection	Phase loss protection
E08	8	Outdoor fan fault inspection outdoor fan connection line	Compressor temperature protection
E09	9	Pressure switch disconnected	Pressure switch disconnection protection
E10	10	Compressor temperature protection or exhaust temperature protection	Electronic fan out of control protection (controller replacement required)
E11	11	Reserved	
E12	12	Compressor phase loss protection inspection, connection line between compressor and driver	
E13	13	Compressor temperature too high	
E**	**	Note: For details, please consult the merchant	



LC2





COFOR Air Conditioner Installation Tool List

Required Tools:

- 1/4" and 1/2" drill bits
- Drill
- 7/8" and 2" hole saws
- Utility knife
- 10 mm socket
- Ratchet
- 10 mm combination wrench
- Phillips screwdriver
- Adjustable wrench
- Manifold gauge set
- Vacuum pump

Additional Tools Required for Rooftop Units:

- 4" angle grinder or jigsaw
- 4" cutting disc
- Ladder
- Crimping tool (if the hoses need to be shortened)

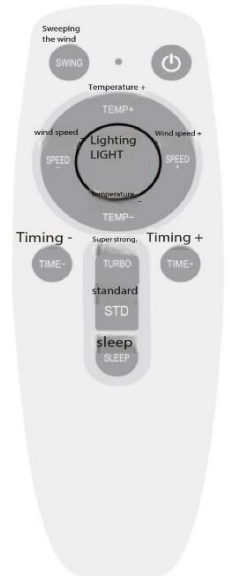
Materials:

- Polyurethane sealant (Sikaflex)
- Large plastic cable ties
- Self-drilling screws

Air Conditioner Control Panel Instructions

Functions and Operation

1. **Power On:** Press the Power button to turn on the air conditioner.
 1. **Power Off:** When the air conditioner is running, press the Power button to turn it off.
 2. **Fan Speed Adjustment:** After turning on the air conditioner, press the Fan Speed button to cycle through fan speed levels 1 to 5.
 3. **Temperature Adjustment:** After turning on the air conditioner, press the Temperature + button to increase the set temperature, or press the Temperature – button to decrease the set temperature.
 4. **Mode Selection:** After turning on the air conditioner, press the Mode button to switch between Auto (Standard), High, and Sleep modes. In Auto mode, press the Standard button on the remote control to switch between Automatic and Manual frequency conversion.
 5. **Timer Off:** While the air conditioner is operating, press the Timer + button on the remote control to increase the operating time, or press the Timer – button to decrease the operating time.
 6. **Remote Control Light Button:** Press the Light button to turn the display backlight on or off.
 7. **Remote Control Swing Button:** Press the Swing button to adjust the air outlet direction. Press once to start the oscillating airflow and press again to stop it at the desired position.



NOTICE

1. **AUTO Button:** Press the **AUTO** button once to enter **Automatic Mode**. In this mode, the air conditioner operates as an **inverter air conditioner**. As the room temperature approaches the set temperature, the compressor and fan motor will gradually reduce their operating speed to improve energy efficiency. Each time the air conditioner is turned on, it starts in **Automatic Mode** by default.

2. **STRONG Mode:** In **STRONG** mode, the air conditioner operates at a **fixed frequency**. The compressor and fan motor will **not** reduce their operating speed when the room temperature approaches the set temperature. This mode provides enhanced cooling performance but results in higher power consumption.

Preventive Maintenance:

"It is recommended to clean the evaporator's return air filter with compressed air at least once a week to prevent the accumulation of dust and lint."

"Wash the condenser with pressurized water to prevent sludge buildup on the fan."



WARRANTY POLICY

COFOR guarantees the equipment sold with the following warranty against manufacturing defects or hidden flaws, excluding damage caused by misuse by the customer, provided that it is installed, used, and operated according to the specifications indicated in the operation and user manuals.

KM9000 - 2 years

S9 - 2 years

EC2400H - 1 year

HC-2 - 2 years

LC-1 - 1 year

This warranty complies with the provisions of the Federal Consumer Protection Law and applicable regulations.

WARRANTY COVERAGE

The warranty period begins upon delivery of the product to the customer. COFOR will provide the following warranties:

- Replacement of parts with manufacturing defects

Shipping is not included.

WARRANTY EXCLUSIONS

- Use of the product for purposes other than its intended use.
- Improper use or installation of other electrical or mechanical devices in the vicinity of the installation.
- Damage to the product resulting from loading, unloading, transport, or delivery operations not performed by our company.
- Electrical supply outside the equipment's operating range.
- Malfunctions resulting from failure to perform maintenance recommended by COFOR, as specified in the manufacturer's manuals, or if the causes fall within the exclusions of the product warranty.
- Damage caused by acts of God or force majeure.

WARRANTY CLAIM PROCEDURE

The customer must send an email to the following address: hello@cofor.us, attaching a copy of the invoice or order number to request the warranty form.



Within 5 business days, one of our representatives will contact the customer to explain the next steps, which may include:

Instructing the customer to send the equipment or replacement part to COFOR's offices by any means, including all components, manuals, parts, box, and accessories.

If the inspection reveals that the equipment is functioning correctly, the customer will be notified, and the equipment will be made available for collection. COFOR reserves the right to charge for the inspection.

If the product or replacement part warranty applies, the company will replace the product or replacement part with an identical or a newer model with the same technical specifications as the damaged product.

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