



# ***Owner's Manual***

## **Original Instructions**

### **3D Entry Lux Air Outlet**

Applicable models:

FKLC1A(C)-T

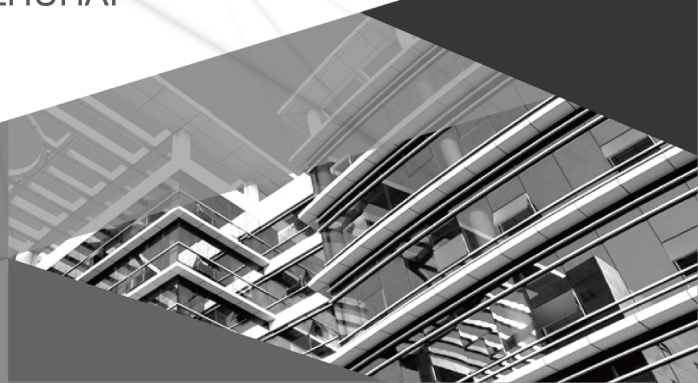
FKLC2A(C)-T

FKLC3A(C)-T

Thank you for choosing this product. Please read this Owner's Manual carefully before operation and retain it for future reference.

If you have lost the Owner's Manual, please contact the local agent or visit [www.gree.com](http://www.gree.com) or send an email to [global@cn.gree.com](mailto:global@cn.gree.com) for the electronic version.

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI



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## 1 Safety Notices (Please be Sure to Abide)



**WARNING!** If you do not follow these instructions exactly, the unit may get severely damaged or cause personal injury or death.



**CAUTION!** If you do not follow these instructions exactly, the unit may have minor or moderate damage or cause personal injury.



**WARNING!**

This product can't be installed in corrosive, inflammable, explosive environments or places with special requirements. Otherwise, the unit will not be able to operate normally, have a shorter service life, or even cause fire hazard or serious injury. As for such places, please adopt special air conditioners with anti-corrosive or anti-explosion feature.

### 1.1 Statement

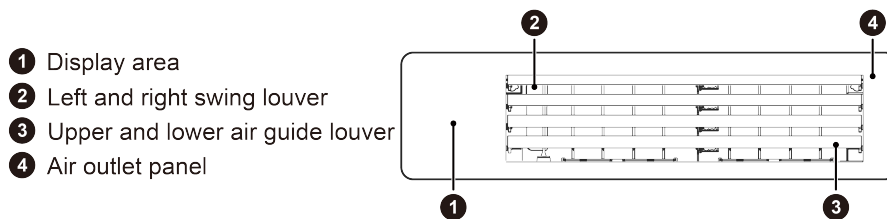
- (1) If you need to install, refit or repair the product, please contact our designated customer service number (4008365315) to seek for professional support. Otherwise, we are not liable for any legal responsibilities for the related damages incurred.
- (2) The length unit in the picture of this manual is mm (unless particular statement is given).
- (3) All illustrations and information in the manual is for reference only. To better adapt to the user, we will keep improvement and innovation for the product. Product adjustment is subject to the actual product.
- (4) To ensure product reliability, the unit will consume certain power under standby status to maintain normal communication of the system. Cut off the power supply if the product is not used for a long time.
- (5) Select the model reasonably based on actual usage environment. Otherwise, it might affect the comfort.

### 1.2 Notices on Installation and Usage

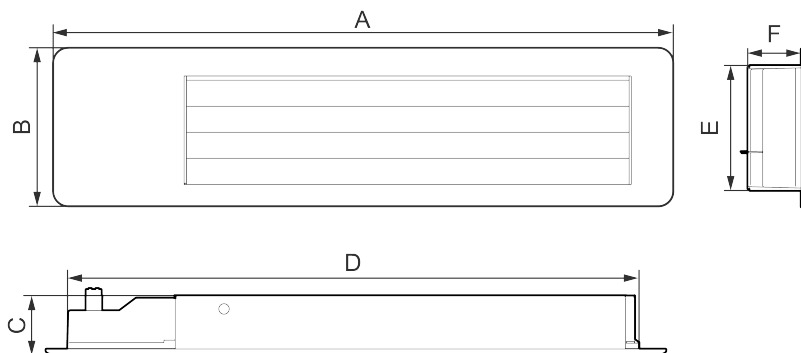
- (1) The product shall be used with corresponding air conditioners. Please consult local dealers or our designated customer service number (4008365315) for more information.
- (2) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- (3) Before installation, usage and maintenance, please read the manual carefully. Non-specialized person shall not install or repair the air conditioner on their own.
- (4) During installation, usage or maintenance process, if refrigerant leakage is found, please keep it ventilated immediately.
- (5) Please install the product inside the room. The installation surface shall be flat and reliable to ensure that the product will not shake or fall.
- (6) The installation site of the unit should be free from heat source, smoke, dust, steam and direct sunlight, and is well-ventilated and have sufficient space for maintenance.

- (7) Do not puncture or ignite the air vent components.
- (8) The storage of air vent components should be able to prevent mechanical damage caused by accidents, and should be stored in a room without continuous source of ignition (such as open flames, ignited gas appliances, and opened electric heaters).
- (9) Please make sure to use special accessories and parts during installation.
- (10) Wire connection between air vent components and air conditioner shall not touch the sharp edge, refrigerant pipe, high-temperature components, or moving parts.
- (11) Do not alter the internal wiring connection of air vent components arbitrarily. Otherwise, our company may not be able to bear relevant legal responsibilities in case of any related losses.
- (12) The minimum clearance between air vent components and combustible surface is 1.5 meters.
- (13) During usage:
  - 1) When using gas or oil heating device inside the room at the same time, please keep the doors and windows open to maintain air circulation to avoid oxygen deficiency in the room;
  - 2) Do not insert fingers or objects into the air vent components;
  - 3) Do not operate with wet hands;
  - 4) Do not keep the doors and windows of the room open for a long time or open and close frequently. If there is direct sunlight, it is recommended to close the curtains.

## 2 Product Parts Name (Diagram)



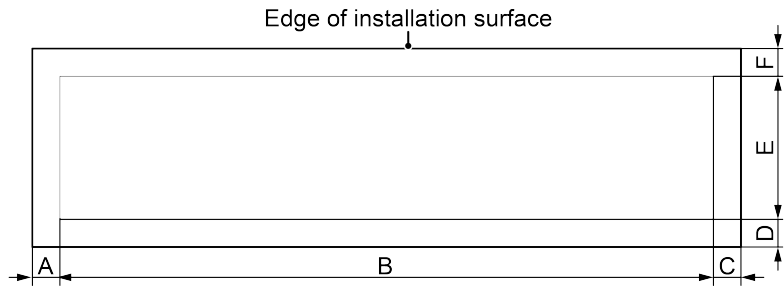
## 3 Outline and Size of Air Parts



| Model       | Parameter | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | F(mm) |
|-------------|-----------|-------|-------|-------|-------|-------|-------|
| FKLC1A(C)-T |           | 745   | 190   | 71.5  | 690   | 150   | 64    |
| FKLC2A(C)-T |           | 945   | 190   | 71.5  | 890   | 150   | 64    |
| FKLC3A(C)-T |           | 1245  | 190   | 71.5  | 1190  | 150   | 64    |

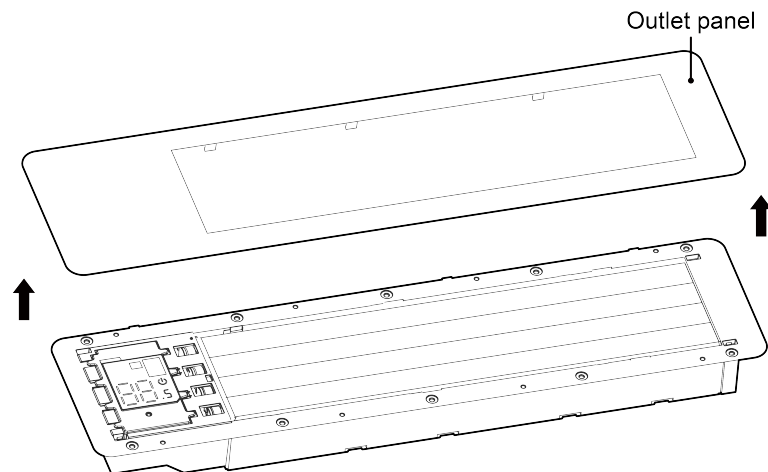
## 4 Installation

- (1) After confirming the installation location of duct type unit, open a rectangular hole on the installation surface corresponding to the ceiling.
- (2) The installation requirement of ceiling hole is as follow:



| Model       | Size | A(mm) | B(mm)     | C(mm) | D(mm) | E(mm)   | F(mm) |
|-------------|------|-------|-----------|-------|-------|---------|-------|
| FKLC1A(C)-T |      | ≥30   | 710~720   | ≥30   | ≥30   | 150~155 | ≥30   |
| FKLC2A(C)-T |      | ≥30   | 910~920   | ≥30   | ≥30   | 150~155 | ≥30   |
| FKLC3A(C)-T |      | ≥30   | 1210~1220 | ≥30   | ≥30   | 150~155 | ≥30   |

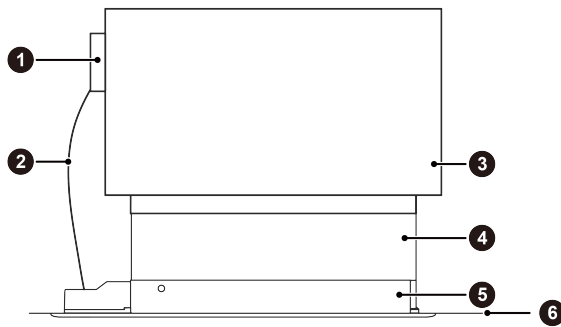
- (3) Before installing the air vent components, fix the outlet frame with one hand and buckle the outlet panel outwards with the other hand to dismantle the outlet panel.



### ⚠ Notices!

- ① Do not tear the protective membrane on the panel to avoid scratching the panel.
- ② During installing the air vent components, make sure the unit is under power off status.
- ④ Connect one side of canvas with the air outlet of the unit and fix the other side to the air outlet of ceiling, and seal it with thermal insulation. Then connect the power supply communication wire in the air outlet components to the electrical box of indoor unit. Make sure the power supply communication wire is at the air duct near the electrical box side.

- ① Electrical box
- ② Power supply communication cord
- ③ Unit
- ④ Canvas
- ⑤ Air vent components
- ⑥ Installation surface



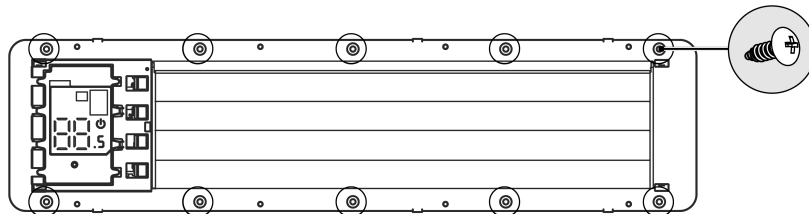
### **⚠ Note**

Due to the length limit of power supply communication cord of air vent components, the distance between air outlet and indoor unit shall not exceed 2m.

#### (5) Installation method for air vent components

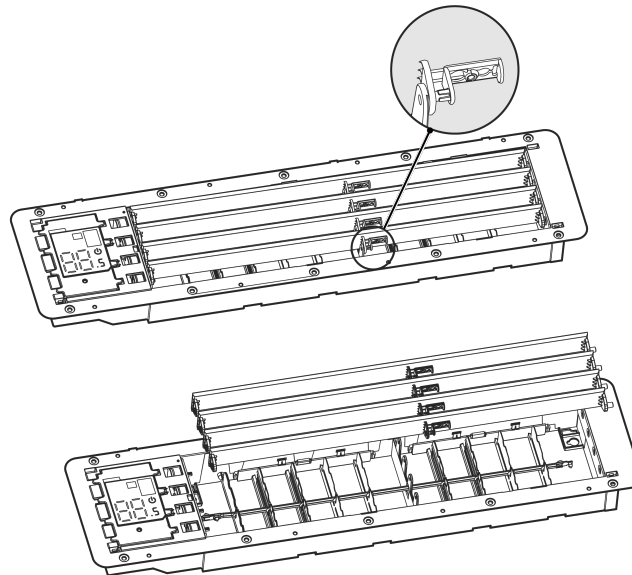
##### 1) Installation method 1:

- ① Push the air vent components into the air duct and place them in the middle with the back side fitting the edge of the ceiling, then fix the screws on the opening edge of ceiling through the screw hole of outlet frame with screwdriver.
- ② There's reserved fixing hole for screws on the air vent components. It's suggested using ST4.2 flat and round head tapping screws. It's needless to fix all the screw holes (but fixing between two screw holes is not allowed). Make sure the air vent components are firm and tightly sealed with the installation surface after installation according to the actual installation environment.

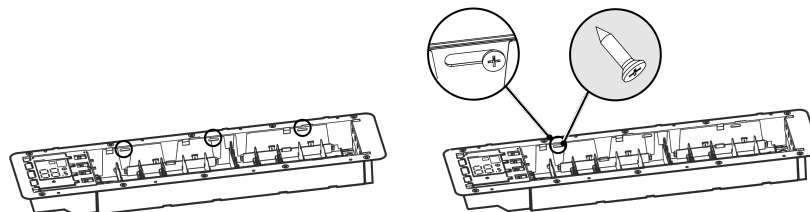


### **⚠ Note**

- ① The screws shall not be overtightened; otherwise, it might deform the air outlet frame and affect the normal usage of the product!
  - ② Adjust and balance the left and right interval of air guide louver and air outlet panel!
- ##### 2) Installation method 2:
- ① Rotate the air guide louver to 90° and push the latch in the middle of air guide louver to the right to make the limit column on the air guide louver is just in the second hole of the latch. Then rotate the air guide louver to about 10° , pull out the right end of the air guide louver first, and then dismantle the left end to remove the air guide louver. The disassembly method for the four air guide louvers is the same.



- ② After removing the air guide louver, push the air vent components into the air duct and place them in the center, with the back side fitting the edge of the ceiling; after disassembling the air guide louver, it can be seen that there are pre-opened waist shaped fixing holes on the upper and lower positions of the air outlet frame. Use a screwdriver to fix the screws on the edge of the ceiling opening through the waist shaped holes on the upper and lower positions of the air outlet frame.
- ③ There are waist shaped fixing holes at the upper and lower ends of the air outlet frame of the air vent component, and it is recommended to use ST4.2 countersunk self tapping screws.



- ④ After fixing the air outlet frame with screws, adjust the direction of the removed air guide louver first, align the left hole with the pin on the left of the air outlet frame, and then install the right pin of the air guide louver with the hole on the right of the air outlet frame. After aligning the pin in the middle of the air guide louver with the hole in the middle of the air outlet frame, push the pin in the middle of the air guide louver to the left, so that the limit pillar on the air guide plate falls in the third slot of the pin. If there is no problem rotating the air guide louver, it means it is well installed. The installation method for the four air guide louvers is the same.

### Note

- ① The screws shall not be overtightened; otherwise, it might deform the air outlet frame and affect the normal usage of the product!
- ② Adjust and balance the left and right interval of air guide louver and air outlet panel!

- (6) Align the buckle of the air outlet panel and the air outlet frame, and buckle the air outlet panel to the air outlet frame. Check whether the air outlet panel fits the surrounding of air outlet frame.



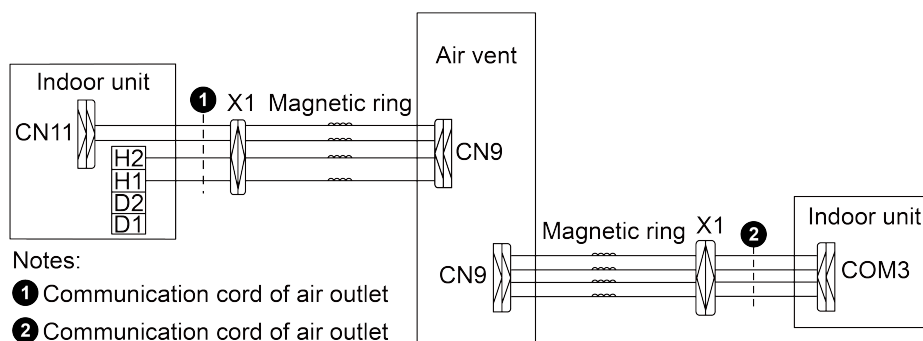
- (7) Power on test for the unit

- 1) Before energizing the test, please check whether the air outlet panel fits the installation surface of the ceiling;
- 2) Connect the power supply and observe if the air guide louver is closed;
- 3) After turning on the unit normally, turn on vertical and horizontal swing function;
- 4) Check if all air outlet components are operating properly;
- 5) If there are any abnormalities, please check the product installation according to the manual or installation guidance videos;
- 6) If the problem is not solved, please contact the dealer to replace the air vent components and reinstall them.

#### **⚠ Note**

- ① The air outlet and the unit are of one-to-one form. One air outlet for several units is not workable!
- ② When the unit is set as the master indoor unit, the power indicator at the air outlet of the master indoor unit will flash three times every time it is turned on!

## 5 Product Wiring Diagram



#### **⚠ Notices!**

- ① For the above Fig ① and ②, choose one of the wiring methods according to the different interfaces of the main board of corresponding unit;
- ② The main board of some multi VRF may have two types of interfaces at the same time, just choose either one for wiring;
- ③ The terminal X1 of the communication cord of air outlet needs to be connected in the electrical box of corresponding indoor unit.

## 6 Cleaning and Maintenance

- (1) To clean the air vent components, it is necessary to shut down the unit and cut off the power supply. It cannot be directly cleaned with water; otherwise there may be a risk of electric shock.
- (2) Please soak a soft cloth with warm water below 45°C, dry it and gently wipe the dirty parts of the panel. When the usage environment is dusty, it is recommended to clean it every two weeks.
- (3) Cleaning with volatile liquids (such as diluents or gasoline) will damage the air vent components.
- (4) If there are any abnormalities, please contact after-sales service personnel for guidance.



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