Open Air Cooler
Operation Manual

Model : ACS-2
ACS-3

To ensure use this appliance and your safety, please read the following instructions completely before operating this appliance.

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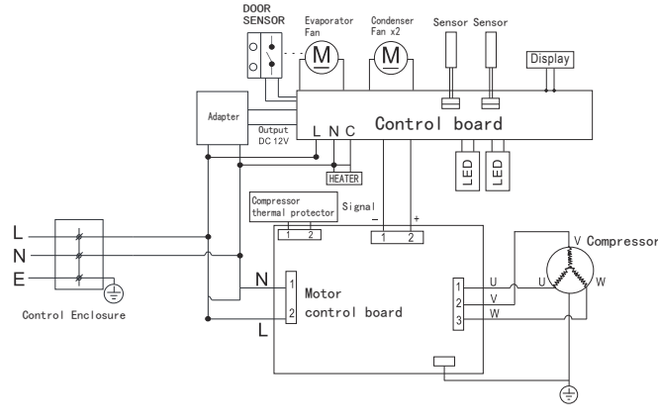
6. WIRING DIAGRAM



Frequency conversion

dropping or increasing under/over +10% the rated voltage
(187 Volts to 242 Volts)
If the light is damaged, it must be replaced with a same size, power and shape one. and must be replaced by the manufacturer or its service agent

The manufacturer is not responsible for damages or accidents arising from the misuse or disregard of electrical laws relevant to the country where the cooler is used.

4. MAINTENANCE

- Before cleaning the cooler always remember to unplug it.
- Unplug the cooler at the electrical outlet; never pull the service cord.
- Do not use sharp objects for cleaning.
- Clean the inside cabinet of cooler with a clean damp cloth or with neutral soap. Avoid damage by never using abrasive or flammable cleaning products.
- Clean the condenser at least once a month with a vacuum cleaner or a brush to eliminate the dust accumulation.
- Do not wash the cooler with direct, or high pressure water jets.

5. TROUBLE SHOOTING

Often problems that occur during normal operation can be resolved without the assistance of a specialized technician, verify the following:

a) The appliance does not operate.
   -Check that the plug is correctly into the electrical outlet.
   -Verify that there is voltage at the electrical outlet
b) The product is too warm.
   -Check the setting of the thermostat. (See Testing Section)
   -Check the closing of the door, and ensure door gasket seals.
   -Check that the interior fan is operating, and not blocked.
   -Check and clean the condenser
c) The appliance is excessively noisy.
   -Verify the equipment is level.
   -Ensure that the equipment is not touching other equipment that could cause vibration.

Prepare to answer the following:

-The type of problem: (electrical, mechanical)
-The model, code and serial number of the cooler can be found on the manufacturer label attached to the interior wall of the cooler.

1. GENERAL INFORMATION

1.1 Foreword

The purpose of this document is to provide important information regarding the installation, use and maintenance of the cooler.
Before any operation, you should read carefully the information contained in this manual.
The manufacturer assumes no liability for parts or labor coverage for component failure or other damages resulting from improper usage, installation of failure to clean and/or maintain product as set forth in these instructions.

1.2 GENERAL USE

The cooler is not designed for external (outdoor) placement or environments that subject it to the actions of atmospheric agents (rain, direct sun light)

The manufacturer is not responsible for damages resulting from the improper use of the product.

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. (for IEC)

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. (for EU)

– WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
– WARNING: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
– WARNING: Do not damage the refrigerant circuit.
– WARNING: Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
Do not Store explosive substances such as aerosol cans with a flammable propellant in this appliance.

Correct Disposal of this product

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources.

To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Caution:risk of fire/flammable materials

1.3 CONTROLLER SETTINGS

Perform the following steps to change the temperature setting:

Step 1: Press and hold the SET button for approximately 4 seconds until the display reads the factory pre set setting 2°C.

Step 2: To change temperature setting, press the UP or DOWN arrow key to select the desired setting.

Step 3: Press the SET button again to accept new setting.

The electronic controller has been factory set to maintain temperature at approximately 2 degrees C under normal ambient conditions.

LIGHT SWITCH (Lig): The LED lights can be turned on or off by depressing the “Lig” button.

DEFROST CYCLE: Press the “def” button until the cooler turns off. Unit will automatically return to operating mode when defrost cycle has been completed.

1.4 RESPONSIBILITY OF THE CUSTOMER

Ensure that the electrical outlet is connected effectively to earth (ground), suitable to provide the voltage indicated on the data plate. Make sure that the cooler is placed on a level surface.

2. TECHNICAL DATA

2.1 MATERIALS AND REFRIGERANTS

Interior or exterior surfaces that come into contact with the products are made of galvanized steel. Aluminium or non-toxic plastic materials.

The Refrigerant used is approved by government regulations.

The type and quantity of the gas charged, in the refrigeration unit, is indicated on the data plate.

3. INSTALLATION

For safe proper operation, follow the manufacturer´s instructions reported in this section.

3.1 POSITIONING

The cooler must be placed in an adequately ventilated room. Keep away from heat sources, such as radiators or air conditioning pipes.

Allow free air circulation to the refrigerator unit.

The ambient temperature must not be higher than 27°C.

This appliance climate class is 5

Testroom climateclass	Drybulb temperature℃	Relative humidity%	Dewpoint℃	Waterweightin dryairg/kg
0	20	50	9.3	7.3
1	16	80	12.6	9.1
2	22	65	15.2	10.8
3	25	60	16.7	12
4	30	55	20.0	14.8
5	40	40	23.9	18.8
6	27	70	21	15.8
7	35	75	30	27.3

Note:The maximum of shelf loading capacity is 28 Kg.

3.1.1 Cooler Leveling: To provide the best performance the cooler must remain level.

3.2 ELECTRICAL CONNECTION

WARNING DO NOT USE EXTENSION CORDS

The cooler works on single-phase voltage (115 V/60Hz) power supply.

To switch on the cooler, insert the plug into the outlet.

Ensure that:

The electrical outlet must be provided with an efficient ground, the voltage and the frequency of the electrical line matches those indicated on the data plate. If unsure about the efficiency of the ground, have your electrical circuit checked by qualified technician.

When the cooler is operating, check that the supply voltage is not

OAC63/OAC132 Controller

Operation Manual

version <1.0>

1. Product list

No.	Name	Hardware	Software	Shell
Controller	K-OAC132 V1.0F Controller	Y-K-BC2000 u1.0(12V)	R-K-OAC132 V1.0F	70*91mm Electrical Box
Display	WK-GCDC130FK-DIS V1.0 Display	WK-OAC170-K u1.0/WK-OAC170-DIS u1.0	无 No	ACSLIM Shell

2. Technical Specification

Input Power: DC 12V

Storage Temperature: -20～65℃Operation Temperature: 0~55℃

Sensor type: NTC, B25/85=3435K R25℃=10K 1%

Evaporator fan: Three-speed adjustable control

Condenser fan: Three-speed adjustable control

Night curtain: Magnetic control switch, normally open type (Closed - turns off the light, enters ECO; open - turns on the light, exits ECO)

3. Functional Specification

The default setting is to display 3 digits with a decimal point：

℃：-40.0~50.0

℉：-40.0~99.9

3.1 Setting Temperature

Setting Temperature：-3~8℃(26.6~46.4℉)

Factory Settings：2℃（35.0℉）

3.2 Digital tube display instructions

：Compressor Operation

：Evaporator Fan Operation

：Defrost

SET：Set State

：Illumination Indicator Light

3.3 Operating Interface

3.4 Key Description

3.4.1 SET; SET Key

Press the SET key briefly to enter the temperature setting mode. The digital display will flash to show the set temperature. When the "up" or "down" key is pressed, the digital tube stops flashing within 2 seconds and then resumes flashing. Pressing the SET key again or having no key pressed for 8 seconds will exit the temperature setting mode. In menu mode, a light press will enter the parameter setting for the corresponding function.

3.4.2 UP 键 UP Key

When setting the temperature, press this button and the set temperature will increase.

3.4.3 Down; Down Key

When setting the temperature, press this key and the set temperature will decrease.

3.4.4 Def 键 Def Key

In normal mode, long press 4 seconds to enter forced defrosting.

Table 1 List of Key Functions

Key	Function 1: Light Press	Function 2: In the setting mode	Function 3: Hold continuously
Set	Enter or exit temperature setting		
UP		increase	
def/down		decrease	Press and hold for 4 seconds to enter the manual defrost mode.

3.5 LED Control of the LED

Lower the night curtain and turn off the lights. If the night curtain is not lowered, then turn on the lights.

3.6 Control of Electric Heating

OAC63/132；features probe water detection and electric heating functions, which are used to accelerate the evaporation of condensate water in the water collection box.

3.7 Fault Code

1. “E0”；

When the cabinet temperature sensor malfunctions, it displays "E0".

2. “E1”；

When the defrosting sensor malfunctions, it displays "E1".

3. E10”；

When the electric heating malfunctions, it displays "E10".