

Healthy and Fresh!

COLENT

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www.colentco.com / www.colent-iwata.com



OWNER'S MANUAL

READ AND SAVE THESE INSTRUCTIONS

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.

The product has a worldwide patent, no reproduction allowed.
 We reserve the right to pursue legal actions against any unit or individual who will infringe on the patent. All rights reserved for changing the design of products
 If anything changes, we may not be able to keep you informed as soon as possible.
 Sorry for any inconvenience.

Read all instruction carefully before setting up and operating this unit.
 This manual is designed to provide you with important information needed to set up, operate, maintain, and troubleshoot your cooler.
 Due to continuous research and development the specifications herein are subject to change without prior notice.

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1. FOREWORD

Thank you for your trust and support in choosing our Evaporative Air Cooler!
Please read this manual carefully before using it.
The Evaporative Air Cooler comes with the Most Advanced evaporative cooling technology and the Modern Management. It will make your life easier and more comfortable.

2. WORKING PRINCIPLE

By pumping water to the CELDEK cooling pads while the blower is turned on, the hot air from the surrounding is gradually cooled by the water vapor on the cooling pads down to a temperature range of 5-12 degrees versus the environment's temperature. Thus you feel the fresh, cooler and clean air.

3. ATTENTION

1. Must be installed in a well ventilated and dry place to ensure 100% fresh air can be circulated.
2. Enough air exhaust is a must to run the cooler.
(3600m³/h airflow requires up to 0.8m² of exhaust area when natural exhausting and the exhaust capacity should not be less than 85% of airflow when using mechanical exhausting.) Mechanical can be combined with the natural exhaust
3. Ensure that the operating current is at the rated current range.
4. Keep away from any source of fire when assembling or operating the cooler.
5. Ensure supply voltage is within the rated +/-10V range, otherwise it may damage the cooler.
6. Keep the wall controller and the control lines away from strong EMI (such as the equipment with frequency speed controller, SCR temperature and speed controller, high frequency heating circuit or super high power motor etc.) It is better not to keep them the same power lines. If you have to then make sure the distance between them is more than 30cm.
7. The appliance must be fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under/over voltage category III conditions, and these means must be incorporated in the fixed wiring in accordance with the wiring rules.
8. Please make sure that the unit and power connection have good earthing otherwise it may cause electrical shock.
9. This appliance is not intended for use by person (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.
10. 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

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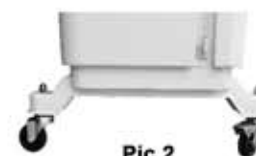
4. INSPECTION AND PREPARATION BEFORE ASSEMBLING

1. Please open the side panel to check the parts and the technical parameters (the manual)
2. Check if the supply voltage and the supply frequency is as per rating. Make sure the voltage is 220+/-10V
3. Make sure the water is clean with a steady hydraulic pressure, 0.2-0.6MPa (1.5-6kgf/cm²)
4. A globe-valve is needed near the intake hose, and an extra hose connector is needed for cleaning
5. Over-current and leakage protection switch should be added on the feed circuit to protect the cooler, the wire net and safety of people

5. GUIDE FOR INSTALLATION AND DISMANTLING OF WHEELS & TROLLEY



Pic 1



Pic 2

1. Take two sets of assembled frames (refer to Pic 1)
2. Use ST5 x 2.5 bolts to fix assembled frame to the bottom of the water tank. And lock the bolt tightly with Phillips screwdriver. Please pay attention to the guide hole at the tank while installing (refer to Pic 2)

6. GUIDE FOR INSTALLATION AND DISMANTLING OF SIDE PANEL



Pic 3



Pic 4

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1. Loosen 8 bolts with cross screwdriver, as Pic 3.
2. Pull out 2 pieces of dust screens and the side panel, pull out the side panel and take it out (Pic 4)
3. Install them afterwards

7. GUIDE FOR ADDING AND DRAINING WATER



Pic 5



Pic 6



Pic 7

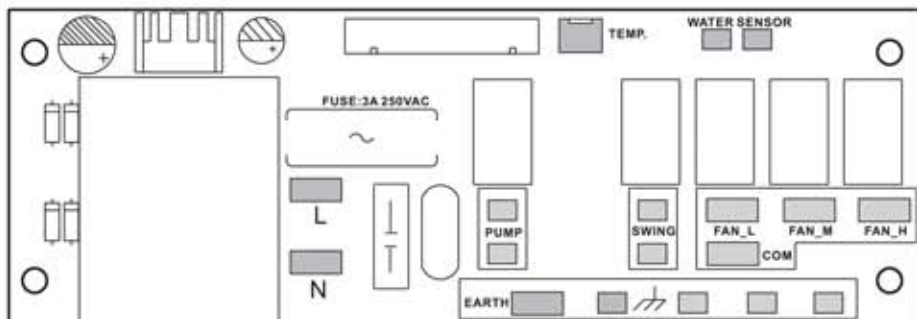
Add water:

1. Pull out the water tank cover (pic 5)
2. Add water (pic 6)

Drain:

- Remove the cover to drain and install back afterwards (Pic 7)

8. CIRCUIT DIAGRAM



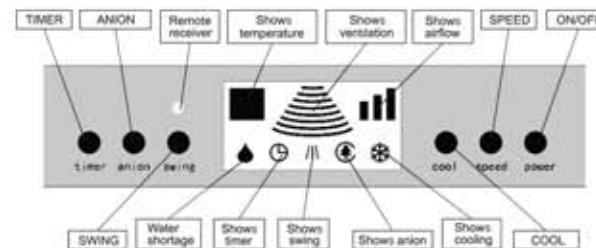
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9. INSPECTION AND PRE-OPERATION CHECK

1. Check the levelling when assembling the cooler.
2. Check if drain pipe has been assembled.
3. Check the water supply to be sure there is no leakage.
4. Check the water level in the water tank.
5. Check if the power supply connection is correct
6. Check if the assembling and connection of the power control are correct.
7. Check if the water tank is clean
8. Check if there is foreign matter blocking the blower.
9. Check if the power supply and the voltage are normal
10. Check if the running electrical current is in the rated range.
11. Check if there is any vibration when running the cooler.

10. VIBRATION OPERATION GUIDE

◆ Introduction of the LCD controller



◆ Introduction of the function buttons on the remote controller

- 1) ON/OFF : start the cooler in stand-by state or stop
- 2) SPEED : Change the airflow from low speed mid speed and high speed
- 3) COOL : Switch to cool mode. DRAIN: start or stop draining water
- 4) SWING : Start or stop swing
- 5) TIMER : Start timer function



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◆ Operating instructions

Please ensure the power lines are connected correctly before using!

1) ON/OFF

Press this button under the state of stand-by, then it will start running. The mode and the airflow will be the same as the last state. The speed is at medium and the cool function is ON when you turned it on the first time. The airflow will be showed at the range of L,M,H, from left to right dynamically. Press this button while the cooler is in operation, it will stop and only the temperature will be showed on the display.

2) ADJUSTABLE AIRFLOW

Press "airflow" button on the LCD controller or "airflow+" and "airflow-" on the remote controller to increase or decrease it. It can be changed from L-M-H-L...and that will be showed on the "airflow indicator".

3) MODE

Press "COOL" button on the LCD controller, the mode will shift from COOL-VENTILATION-COOL...

When the cooler is turned on, switch to COOL mode, airflow will automatically be shifted to the lowest speed and then come back to the speed you have set earlier. It will not affect the speed display on the remote LED screen.

4) SWING

The "SWING" button lamp will turn on when you press the "swing" button on the LCD controller or remote controller, it controls the swing function.

5) TIMER

Set "Timer" to start or stop the air cooler automatically. It will start the air cooler automatically in the standby state and stop it automatically when set time has expired.

The "TIMER" lamp will be flickering when pressing the button and you can change the time by pressing.

"AIRFLOW", 9 hours is the maximum setting.

The Timer will automatically start 5 seconds after being set and the TIMER lamp stays on.

How to cancel the time set:

- Set the time 00
- Press the "ON/OFF" button while the "TIMER" is flickering during setting
- Press the "ON/OFF" button again to activate.

CLEANING & MAINTENANCE

Press power button OFF on the cooler before cleaning.

- Body Casing Cleaning: please clean with mild cleaner and soft cloth. Gas thinner or alcohol is NOT ALLOWED.
- Cooling pad cleaning: take out the pad and use hose and water to clean
- Water tank cleaning: Clean the water tank weekly to avoid build-up of dust



4) Maintenance:

- We advise to clean the cooling pad once per two weeks to ensure effective cooling
- We advise that excess water be drained on a weekly basis.
- If the air cooler will not be used for a long period time, please remove the plug from the electrical outlet and drain all water out from the unit.

12. TROUBLESHOOTING

No.	Problem	Reason	Solution
1	Air cooler does not work	Power off or incorrect power connection	Power on or check and connect power correctly
		Controller breakdown	Go to Service Center
		Fuse burnt	Go to Service Center
		Electrical mainboard is broken	Go to Service Center
2	Not cooling	The pump is broken	Go to Service Center
		No water or not enough water	Add more water
		The cool key on the controller is broken	Go to Service Center
		Electrical mainboard is broken	Go to Service Center
3	No Airflow	The key on the controller is broken	Go to Service Center
		The motor is broken	Go to Service Center
4	Unpleasant odour	Dirty water	Change to clean water
		Dirty cooling pad	Clean the cooling pads

Notice:

- The above is only your reference, if the problems can not be found in the table please contact the service center or a qualified technician for further inspection.
- Do NOT open and repair the unit by yourself.

13. TECHNICAL PARAMETERS

MAX Airflow (m ³ /h)	8000	Fan Type	Axial
Pressure (Pa)	80	Speed	3
Power (W)	380	Noise (dBA)	<62
Voltage/Frequency (V/Hz)	220-240/60	Outlet dimension (mm)	625x640
Rated Current (A)	1.8	Pads dimension (mm)	(885+30)x640x100 (885+30)x200x50
Net Weight (Kg)	31	Overall dimension (mm)	800x480x1380
Operating Weight (Kg)	117	Water store (L)	57