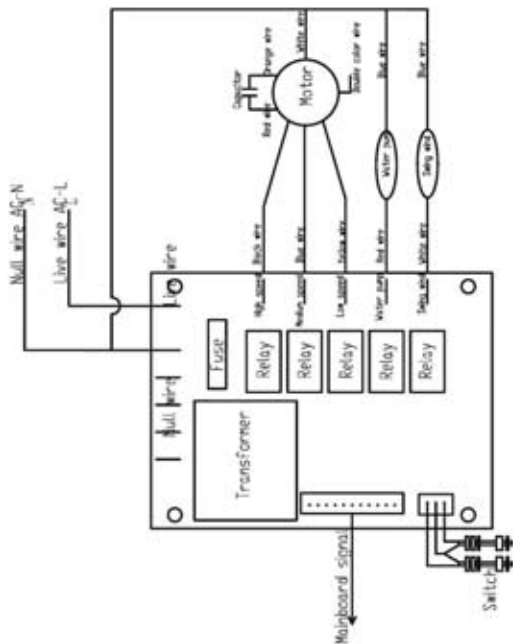


## CIRCUIT DIAGRAM



RELAX AND FEEL THE COMFORTABLE COOLNESS OF YOUR  
EVAPORATIVE AIR+MIST COOLER  
WHILE ENJOYING BIG SAVINGS ON YOUR ELECTRICITY COSTS!

# Evaporative Air+Mist Cooler

Instruction Manual  
COOLMIST-2



Healthy & Comfortable  
Energy-saving & Environment friendly

**iwata**

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# TROUBLESHOOTING

Malfunction	Reasons	Remedy/Solutions
-The indicator doesn't light	-No power -Master control defective -Fuse is burnt -Panel defective	-Check the circuit -Replace the master control board -Replace the fuse -Replace the panel
-No water spray.	-No power -Interfered by environment -Nozzle clogging	-Power off -Remove or keep away from interference -Unscrew the nozzle & clean nozzle hole
-Display is normal but without wind or the wind speed is too low	-The fan blade is stuck -Water screen or dust-net is broken -Fan blade is distorted -Master control board is defective	-Check the machine fixing hoop and fan blade -Clean replace water screen or dust-net -Replace fan blade -Replace the master control board
-The motor is out of control	-Master control board is defective -Panel is defective	-Replace the master control board -Replace the panel
-The drain valve is leaking	-The drain valve is loose	-Screw it tightly
-The fan is out of control	-The blade is stuck -motor burned -The master control board is defective	-Check the fan blade and the surroundings -Replace the motor -Replace the master control board.
-The diffuser doesn't work.	-Defective synchro motor -Crank shaft is broken -Crank shaft breaks off the swing rail.	-Replace the motor -Replace the crankshaft -Realign the position again
-The fan sprays water excessively	-The water pipe is removed	-Check water pipe

**NOTE:**This instructional is for reference purpose only.If any technical assistance is needed,please call distributor's office for service/repair

## MAINTENANCE

### NOTE:

TO ENSURE THE UNIT RELEASES FRESH AND CLEAN AIR, ALWAYS CHANGE THE WATER WHEN DIRTY AND REGULARLY CLEAN THE FILTER AND THE COOLING PAD.

- 1.Remove the Filter Net by removing the screw then press the lock. Rinse under running water to wash off dirt. NEVER USE PRESSURIZED WATER.
- 2.Pull-out the Cooling Pad. Wash the cooling pad under running water but NEVER USE PRESSURIZED WATER as it may damage the pad. Wash from the inner-side to the outside of pad(inner side is the side facing the fan motor). NEVER USE ANY LIQUID CLEANER DETERGENT as it may damage the pad.
- 3.Open the drainage valve to remove remaining water then clean the water tank thoroughly with soft cloth to remove dirt. Also, wash off dirt on the water sensor, water pump and the drainage valve.
- 4.Use mild soap and soft clean cloth in cleaning the outer body  
USE OF STRONG CHEMICALS THAT MAY CAUSE DAMAGE TO THE BODY IS NOT ADVISABLE.

## WARNING

- 1.Keep away from fire during transportation, **Installation** and operation.
- 2.If a **defect arises** during operation, **contact the distributor.**
- 3.Please use the machine in accordance to the instruction of the manual. **Any improper usage may cause the unit to malfunction and void the warranty.**

## PREFACE

Thank you for your trust, support and for choosing the **Iwata** Evaporative Air Cooler.

Please take note that the appearance of the actual product that you purchased may vary with the one illustrated, photographed/ shown in this operation/ instruction manual due to continuous product upgrade.

Although there may be slight differences between the actual product and the one used in illustration, it will not in any way affect the performance of the product you purchased.

**Please read this manual carefully first before operating it.**

If you have any questions, please us at:  
Tel: 448-7674/442.3866 / 414-9890

[www.colentco.com](http://www.colentco.com)/[www.colent-iwata.com](http://www.colent-iwata.com)

### PACKAGE CONTENTS :

Evaporative Air+Mist Cooler	-1 Unit
Remote Control Unit	-1 Unit
Operating Instruction/Manual	-1 Piece
Warranty form	-1 Piece

## BASIC PRINCIPLE

The Evaporative Air Cooler is a high-tech product, originally from Europe. Its basic principle are as follows: water evaporation drives away the surrounding heat and causes the temperature to cool down.

Its working principle is that negative pressure occurs because of wind draining by exhaust fan: air goes through wet congruent cooling pad and the motor pump continuously transport water to the pipes and cooling pad at the same time.

Air cooler is a product made in accordance with European high technology. The basic theory for reducing heat is water evaporation, carry all the heat of the surrounding area and it reduces the air's temperature.

The water continuously wetting the cooling pad surface evenly and the wet cooling pad angle makes the water current flow to the side of wind inlet, cooling pad angle makes the water current flow to the side of wind inlet, absorbing a certain amount of heat from the air, which cools down upon contact with the cooling pad.

The wet cooling pad also makes the wind cool and fresh. The circulating water falls to the bottom, forming the water cycle. There is a water level indicator at the panel. So when the water level indicator reaches the bottom level, the inlet valve will open automatically to add water; When the water reaches the indicated full level, the valve will close automatically.

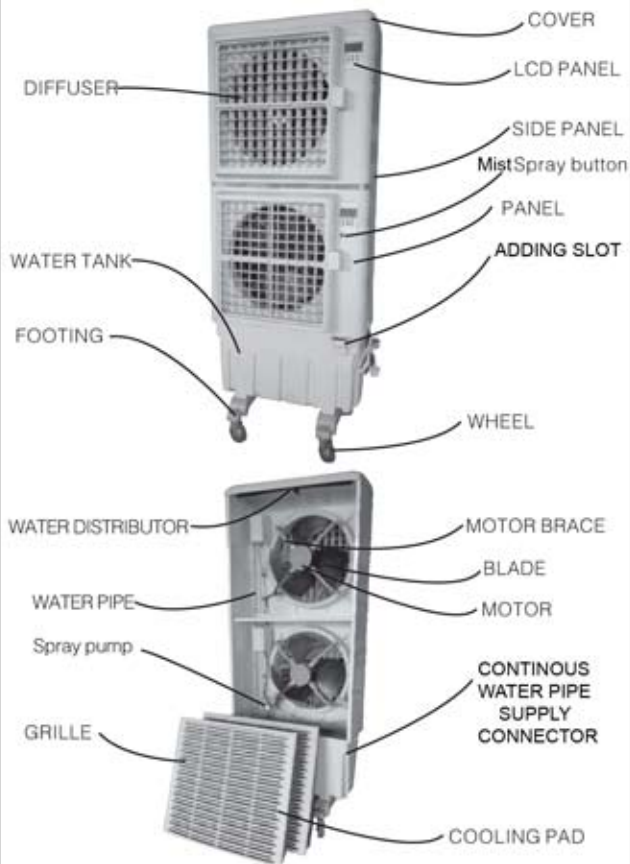
## APPLICATION

**MANUFACTURING:** Textile, Machinery, Ceramic, Refine Chemical Industry, Metallurgy, Hardware and Leather.

**PROCESSING:** Plaing, Electronic, Shoe Making, Painting, Plastic, Clothes Making, Food Package, etc

**OTHERS:** Golf Court, Bakery, Playground, Hospital, Wating Room, School, Passenger WaitingRoom, Supermarket, Restrurants, Washing Room, Kitchen, Vegetable Market, Entertainment Center, Gym, Underground Parking Lot, Park, Warm Room, Stock Farm, Garden,Factories, **Offices and others.**

## STRUCTURE MAPS



## CONTROL FUNCTIONS

1. Press "ON/OFF" switch.
2. Press "COOL" button to activate cooling function ,then the water pump will pour the water to the cooling pad for one minute,then the fan will start working
3. Press "SPEED" for desired speed (Low, Medium, High)
4. Press "SWING" if desired.
5. Press "TIMER" button ,if you need to set time. When starting machine, press "TIMER", which means shutting down at a set time, then press it until "00", which means **cancelling** the function of set time. Press "TIMER" again which means **starting machine** when you shut down, press it until "00", which means **cancelling**

## WARNING

### 1. Adding water

- Clean water must be used.
  - Pour water on the left side (water inlet) of the unit slowly to avoid water spillage and prevent the risk of electric shock.
  - Fill up to "MAX" level only as it may overflow.
2. Plug the unit (220volts/60Hertz, Single Phase) and power indicator icon will light up.
  3. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
  4. 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.
  5. Children should be supervised to ensure that they do not play with the appliance.

## TECHNICAL SPECIFICATION

AIR COOLER	
MODEL	COOLMIST-2
VOLTAGE	220V
FREQUENCY	60HZ
CURRENT	2.2A
POWER	484W
WATER CAPACITY	60L
WATER CONSUMPTION	5-8L/H
EFFECTIVE AREA	80M <sup>2</sup>
CLIMATE	T
WEIGHT	50KG
DIMENSION	460X840X1900MM
IWATA	
MADE IN CHINA	

## FEATURES

- |  |   |
|--|---|
| New evaporative cooling pad, energy saving and environment friendly. | Large capacity water tank for longer operating hours.                 |
| Optimizing air quality, through the silent wind.                     | Truckle/wheel with brake for easy transport.                          |
| Tri-dimensional circle wind, more comfortable.                       | More evident in dropping temperature and increasing humidity effect.  |
| Time setting function.   | More evident in dropping temperature and increasing humidity effect.  |
| More convenient with remote controller.                              | Unattached function, keeping humidity off, feel fresh in dry weather. |
| 3 levels wind speed (Low Med High)                                   | With Mist spray function.   |
| 3 Modes (Normal, Sleep and Breeze)                                   |   |

## FEATURES

The Evaporative Air Cooler has these added advantages and other special features:

1. Specially designed powerful blade and water-proof fan motor.
2. With thicker and bigger cooling pad, for better heat absorption.
3. Multi-layered congruent wave and fiber cooling pad makes the water colder

## WARNING

Before using the machine, please read the **manual** carefully and operate according to the instructions:

A. Use the machine in the following condition:

- Temperature: 18°C~45°C
- Water Temperature: < 45°C
- Electric voltage must not exceed the required voltage (+/-)5%

B. The **circuit** of the machine must be properly connected and **protected to prevent mouse, biting on wires trampled on or over-stretched**, which may cause short circuits. Using wrong electric voltage on wrong socket will cause danger of electric shock.

C. Do not use wrong circuit or other wire metal made of other materials which may cause **the machine to malfunction or explode**.

D. If the product is not operating well or may have unusual smell or malfunction, please send to distributor or dealer where you bought the unit.

E. Please open the doors and windows when in use, keep the area well ventilated to avoid excessive humidity.

## CONTROL PANEL/P.C.B.

CONTROL PANEL



## REMOTE CONTROLLER

REMOTE CONTROLLER

