

# **Mist Maker** **USERS GUIDE**

This operating manual belong to this product. It contains important information on the commissioning and handling of the product. Please bear this in mind, even if you pass it on to other people.  
Please keep this operating manual for future reference!

## **MAIN FEATURES**

Mist Maker utilizes electrical oscillation at ultrasonic frequencies. The ceramic changes electrical oscillation into mechanical oscillation, which creates the mist and water spray. This oscillation also produces negative ions, which help to freshen air and the mist will add humidity to a room.

- Comes with 3 sets of spray unit, brings huge quantity mist
- Comes with Water-Level Auto-Switch and new Improved Unscratchable Ceramic Smart Disc
- Safe Low Voltage, harmless to Human and Animal

Product Name	Mist Maker
Model	DK3-24-3 DK3-24x-3 (with single color LED light) DK3-24C-3 (with auto-changing color LED)
Rated Voltage	INPUT: 230V/50Hz or 120V/60Hz OUTPUT: AC24V72W
Consumption Power	≤2.8A
Mist Head Dimension	Φ68 x H55 mm
Cable length	10 m
Limited temperature	+ 5 ~ 50°C
Water rate	≧ 1200ml/hour
Depth of water limited	30~50mm (from surface of ceramic)

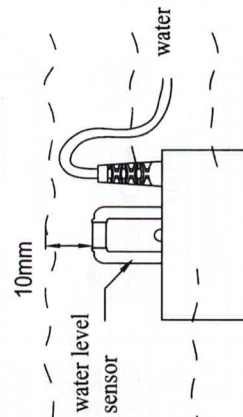
## **SAFETY CAUTION**

- (1) Please verify the voltage rate of the transformer with the local power supply before use. Use the supplied specify transformer.
- (2) Put the transformer, the connector and the controller which attached on the cable on the dry place or use indoor only. Take care that no water can get into the safety transformer, the connector and the controller on the cable along the supply line.
- (3) The safety transformer will heat up when in operation. Make sure there is sufficient air circulation. Do not cover the housing.
- (4) Keep electrical appliances out of the reach of children.
- (5) Never touch the water level sensor (It like the black door).
- (6) When operating, do not let your body parts such as fingers, touch the ceramic or put on top of it in 10mm, which is not dangerous but can cause local pains.
- (7) Never touch the safety transformer and the mains plug with your wet hands.
- (8) Always withdraw the mains plug before touching the miniature nebulizer or remove it from the water.
- (9) Avoid placing it in the immediate vicinity of electric appliances or water-sensitive objects because a few water splashes might be produced.

## **PUTTING INTO OPERATION**

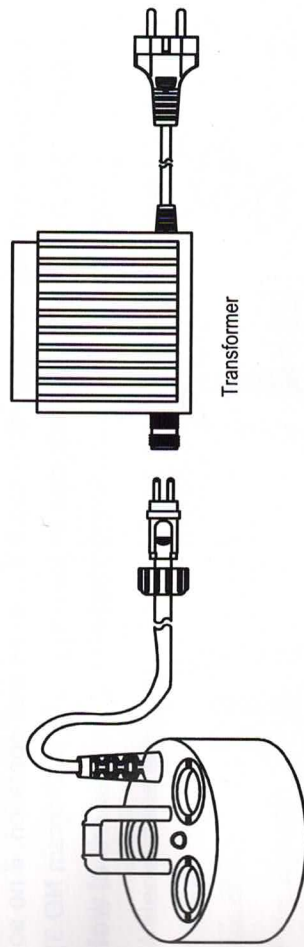
1. Put the mist unit in your water pool or any water container.
2. Connect the mist unit to the transformer.
3. Fill in water. The best level of the water is 10mm above the top of the water sensor. (refer to Diagram NO.1)

**Diagram NO.1**



**NOTE :** The mist maker just need **TAP WATER**, neither distilled water (boiled water) nor pure water is permitted, otherwise the water-level sensor of the mist maker will not operate properly when water level is low and it may resulting the mist maker exhausted to a point of burn out or function improperly.

4. Plug the transformer into the mains power supply then it will begin working. (refer to Diagram NO.2)



Mist Maker

Diagram NO.2

## **OPERATION**

After plug in the mains power supply, if the mist maker stay in the right water level, it will keep working well. Now you many use the controller on the cable to set the mist maker to fit your need:

## **GENERAL SUGGESTIONS FOR OPTIMUM USE**

1. The mist unit sends up small jets of water while in operation. Your container should be large enough to prevent water from splashing outside the container. Do not place the unit where water spillage or condensation will cause damage to furniture, electronic products or floors.
2. Use of clean water is recommended. When the water is dirty, change it with clean water in time (dirty water will affect production the mist)
3. Do not use household abrasive cleaners on any part of the mist unit. You may clear it with soft cloth in clean water.



## **MAINTENANCE**

### **NOTE: CERAMIC REPLACEMENT KIT SOLD SEPARATELY**

1. After operating the mist unit for some time, you may notice a decrease in the amount of mist produced or it may stop working altogether. At that time, you should either clean or replace the ceramic disc.
2. Unplug the unit and remove from water container, clean it with soft cloth in clean water and plug on again, then see if it resume well operation, if no so, you will have to replace the ceramic disc as following: (refer to Diagram NO.3)

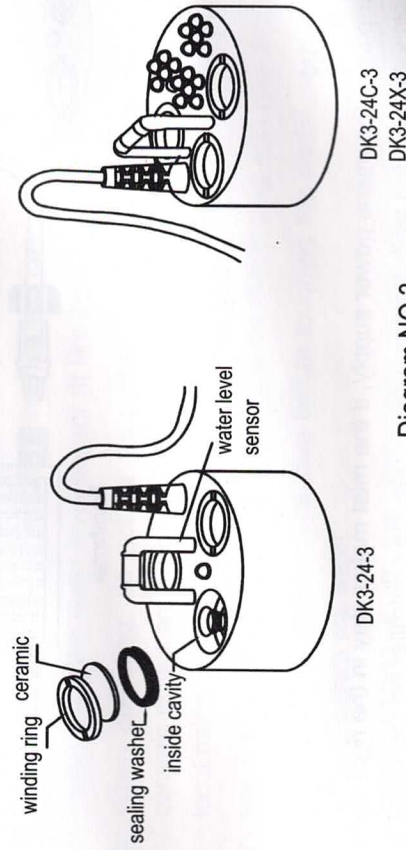


Diagram NO.3

- 1) Unplug the unit and remove from water container.
- 2) Using the key tools, insert the key into the winding ring and turn counter clockwise.
- 3) Remove the filler piece (washer) and ceramic.

**IMPORTANT: There is a front and back of the ceramic. Be sure to reinstall with the correct side (no black color ring side) facing up.**

- 4) Install a new ceramic in the reverse order of the above. Refer to exploded view of mist unit for proper installation of parts.

**IMPORTANT: The inside area of the unit cavity must be completely dry**

**before the parts are installed.**

**Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.**

### **Below is the testing for water consumption of our company**

1. Water surface elevation: 10mm higher than the water sensor of mist maker (constant water level)
2. Size of simulation experiment: L\*W\*H=560\*200\*300mm
3. Water temperature: 25°C
4. That environmental humidity: 75%RH
5. Diameter of spout:  $\Phi 190$ mm
6. Wind speed: 1.5m/s

