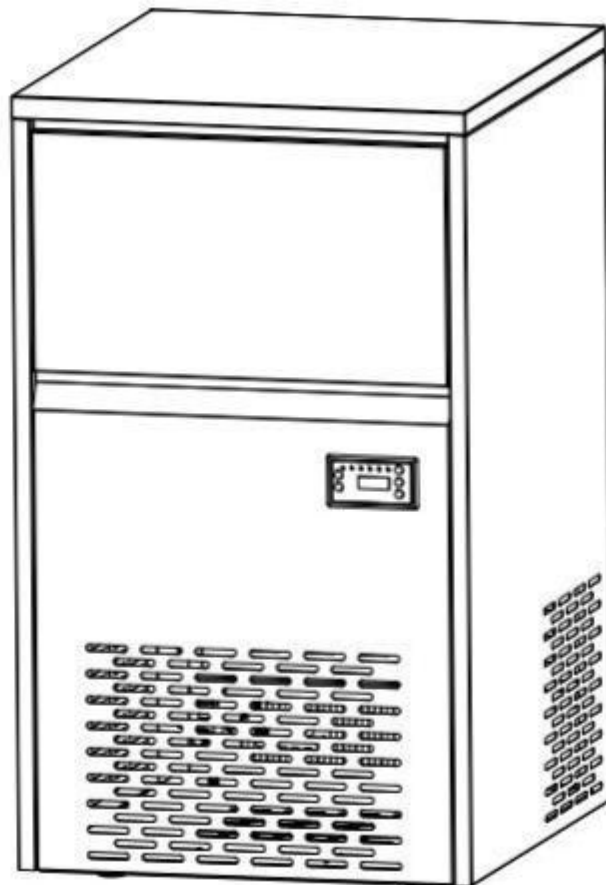




Instruction Manual

ICE MAKER



It is important that you read these instructions carefully and keep it for future reference.



IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic safety precautions should be followed to reduce the risk of fire, electric shock, and injury to persons or property. Read all instructions before operating the machine for the first time.

CAUTION: ICE CAN'T BE STORED IN THE ICE BIN DURING NIGHT-TIME, IT'S NOT FRIDGE, ICE WILL BE MELTED TO WATER AND FLOW OUT OF THE MACHINE.

1. If connect with water supply, **CAUTION:** must connect the potable water supply;
2. The machine is intended to be used in household and similar applications such as:
 - staff kitchen areas in shops, offices, and other working environments;
 - farmhouses
 - by clients in hotels, motels, and other residential type environments;
 - Catering industry and similar industries.
3. The machine should be used indoors and without obstacles surrounded good ventilation place.
There is must be 15cm at least between the four sides of the machine with the wall.
4. When using electrical appliances, basic safety precautions should be followed to reduce the risk of fire, electric shock, and injury to persons or property. Read all instructions before using any appliance.
5. Don't operate this or any other appliance with a damaged cord.
6. Connect to properly polarized outlets only. No other appliance should be plugged into the same outlet. Be sure that the plug is fully inserted into the socket.
7. Don't place the machine and power cord near flammable material. Do not cover the cord. Do not submerge it in water.
8. We do not recommend the use of an extension cord, as it may overheat and become a risk of fire.
9. Unplug the ice maker before cleaning or making any repairs or servicing.
10. Exercise caution and supervision when the appliance is used near children.
11. Don't use your ice maker outdoors. Avoid direct sunlight and make sure that there is at least 5 inches of space between the back and sides of your unit and the wall.
12. Don't use any liquid other than water in the unit to make the ice.
13. Do not clean your ice maker with flammable detergents. The fumes can create a fire hazard or explosion.
14. Do not tip the machine over.
15. If the ice maker is brought indoors from outdoors during the wintertime, give it a few hours to warm up to room temperature before plugging into the power source.

16. This unit should be properly grounded for your safety. The power cord is equipped with a three-prong plug mated with standard three-prong wall outlets to minimize the possibility of electric shock.
17. Plug your appliance into a dedicated, properly installed, and grounded wall outlet. Do not, under any circumstance power and /or grounding should be directed toward a certified electrician.
18. The foaming materials inside are combustible which must be kept away from fire.
19. It's forbidden to pull the cable to unplug the plug, pull the plug is a must.

IMPORTANCE: To avoid hazards due to instability, the unit must be placed on an even and flat surface.

WARNING: This appliance must be grounded.

- 1) The fuse on the PCB is 15A, if change, must be operated by a technician.
- 2) voltage fluctuation can't be exceeded $\pm 10\%$ than the rated voltage, or a Voltage stabilizer is needed.

IMPORTANCE: To avoid hazards due to instability, the unit must be placed on an even and flat surface.

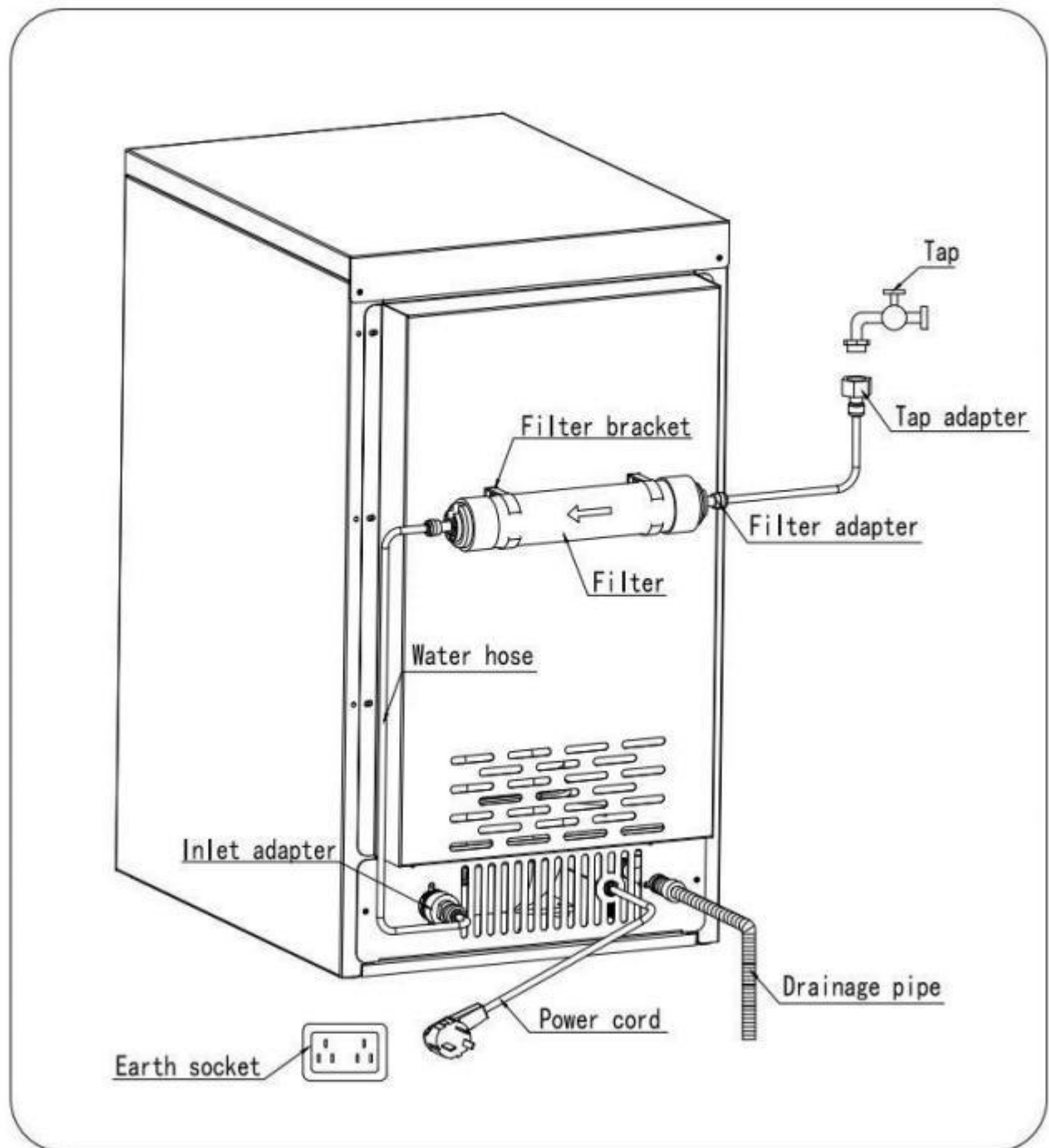
OPERATING PROCEDURES

UNPACKING YOUR ICE MAKER

1. Remove all exterior and interior packaging materials. Check whether all the below accessories are included or not. If any parts are missing, please contact our customer service. After you unpack the machine, we recommend you to leaving it for 24 hours before turning it on.
2. Clean the interior with lukewarm water and a soft cloth or clean the unit using the Self-Clean function.
3. Find a location for your ice maker where it's protected from direct sunlight and other sources of heat (i.e. stove, furnace, radiator). Place the ice maker on a level surface. Make sure that there is at least 5 inches of space between the back and sides of your ice maker and the wall.
4. Allow one hour for the refrigerant to settle before plugging the unit for initial use.
5. The appliance must be positioned where the plug is accessible.

CONNECTING YOUR ICE MAKER WITH OTHER PARTS

Please connect your ice maker with other parts by referring the diagram below.

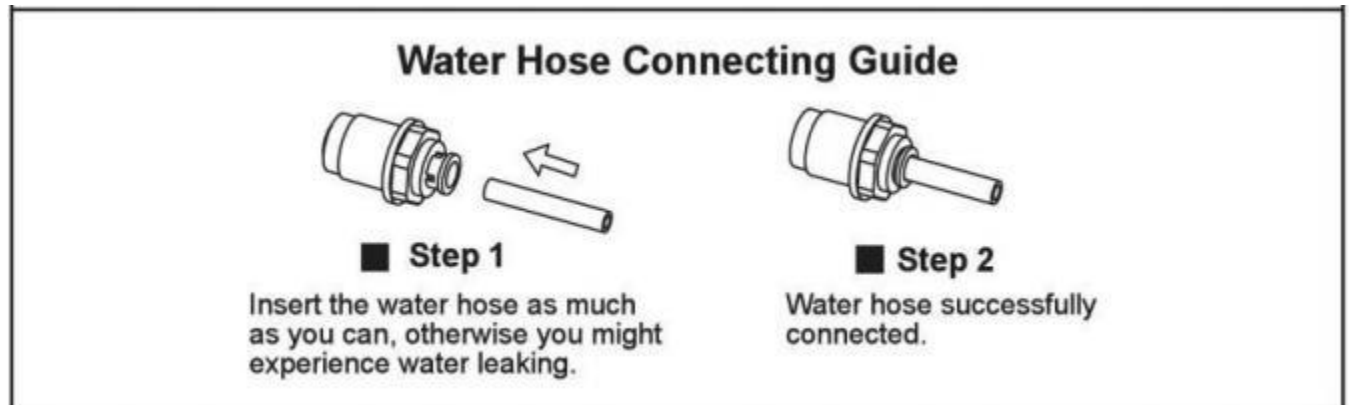


Connect drainage pipe and water intake pipe

Warning:

1) The machine can only connect with drinking water sources

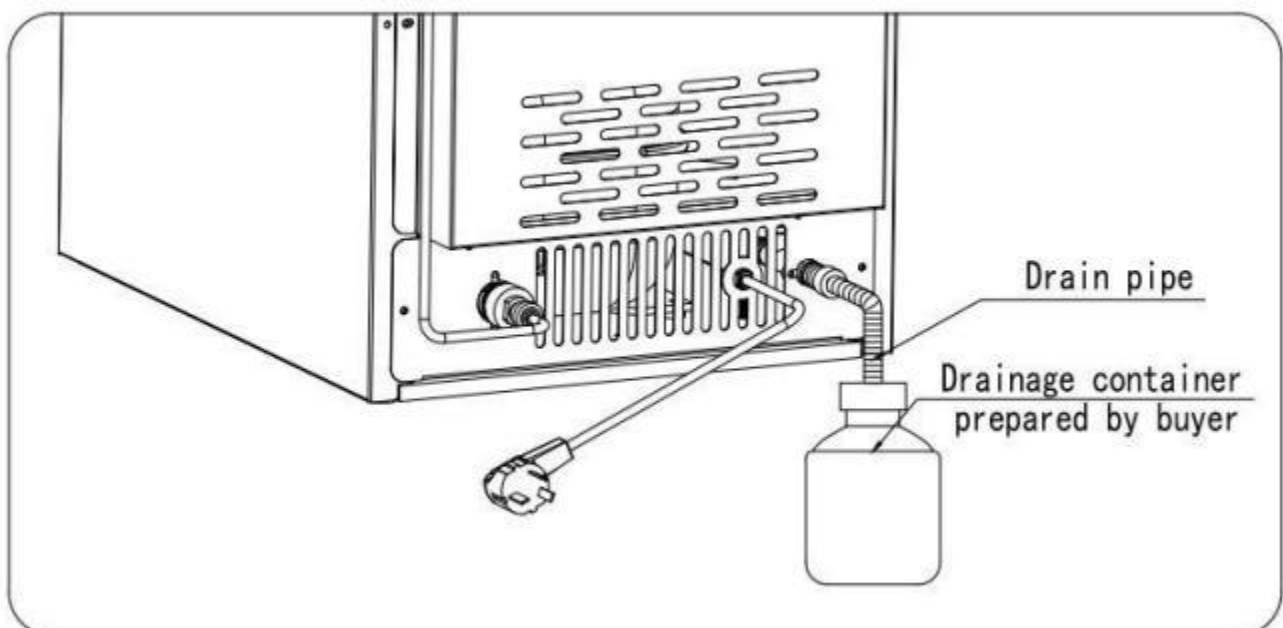
2) Drainage: The outlet of the drainage pipe must be lower than the outlet on the machine



Drain.

Warning: Because the ice in the inner tank will melt, drain pipe must be connected before using, and insert the drain pipe into a container or into the sewer.

Note: Connect one end of the drain pipe to the machine, and the other end to a container or sewer. The other port of the drain pipe must be lower than the drain port of the machine.



CLEANING & MAINTENANCE

Please thoroughly clean your ice maker before initial use.

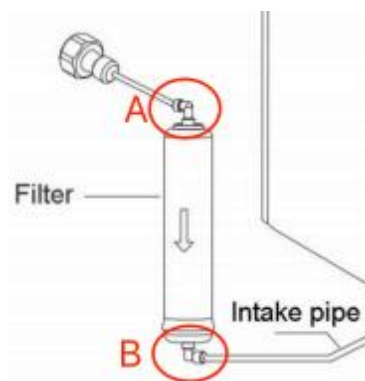
Exterior: the outside of the ice maker should be cleaned regularly with a mild detergent and warm water. Always use a soft cloth to avoid scratching or damaging the housing.

INTERIOR: please use the following Self-Clean function:

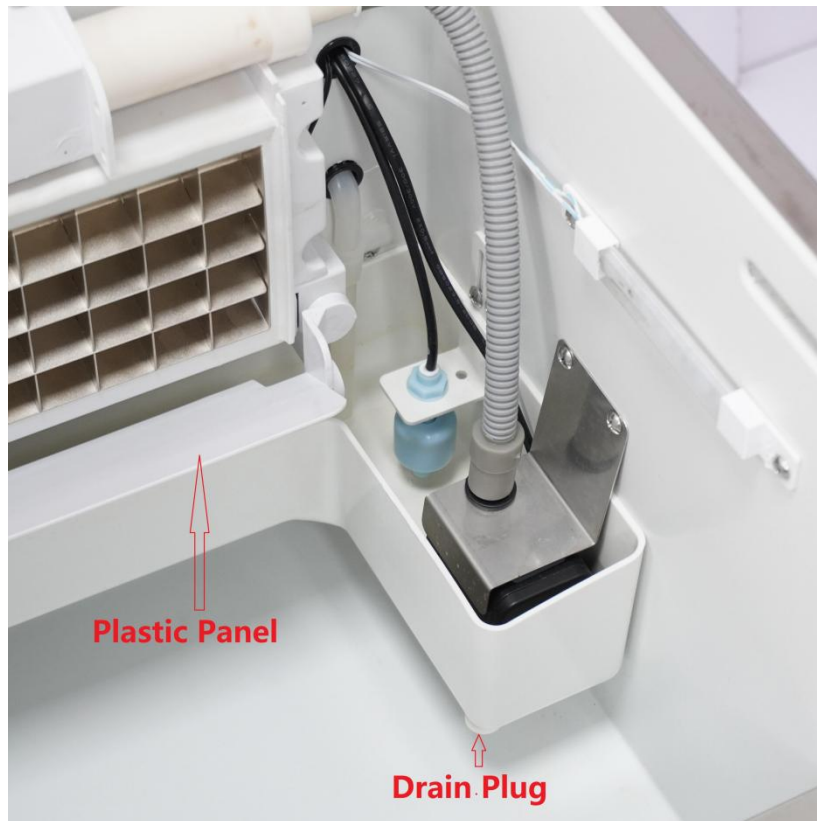
1. Add water and vinegar or lemon juice mix (1:1 ratio)
2. Plug in unit, press and hold the CLEAN button for approximately 3 seconds, then release. The unit will automatically enter Self-clean program. This process takes about 5-6 minutes. When the Self-Clean program is finished, unit will automatically power off.
3. The fan blade will be rotating. This process rinses the inside parts several times.
4. After the Self-Clean program is completed, unplug the power cord and drain out the water by unplugging the drain cap on the side. Replace drain cap.
5. Add fresh water to the water reservoir, up to the water level mark.
6. Plug the unit and repeat the Self-Clean process by repeating steps 3 to 5. This will rinse out the vinegar/lemon residue.
7. After draining the water, replace and tighten drain cap.
8. Dry the interior and exterior with a clean, soft cloth.

NOTE: It is strongly recommended to clean the unit before initial use or after the unit has not been in use for a long period of time.

9. Changing filter: remove the filter cylinder from the filter bracket, disconnect the tube shown following position A and B, then connect the new filter then fix on the bracket of the backside of the ice maker.

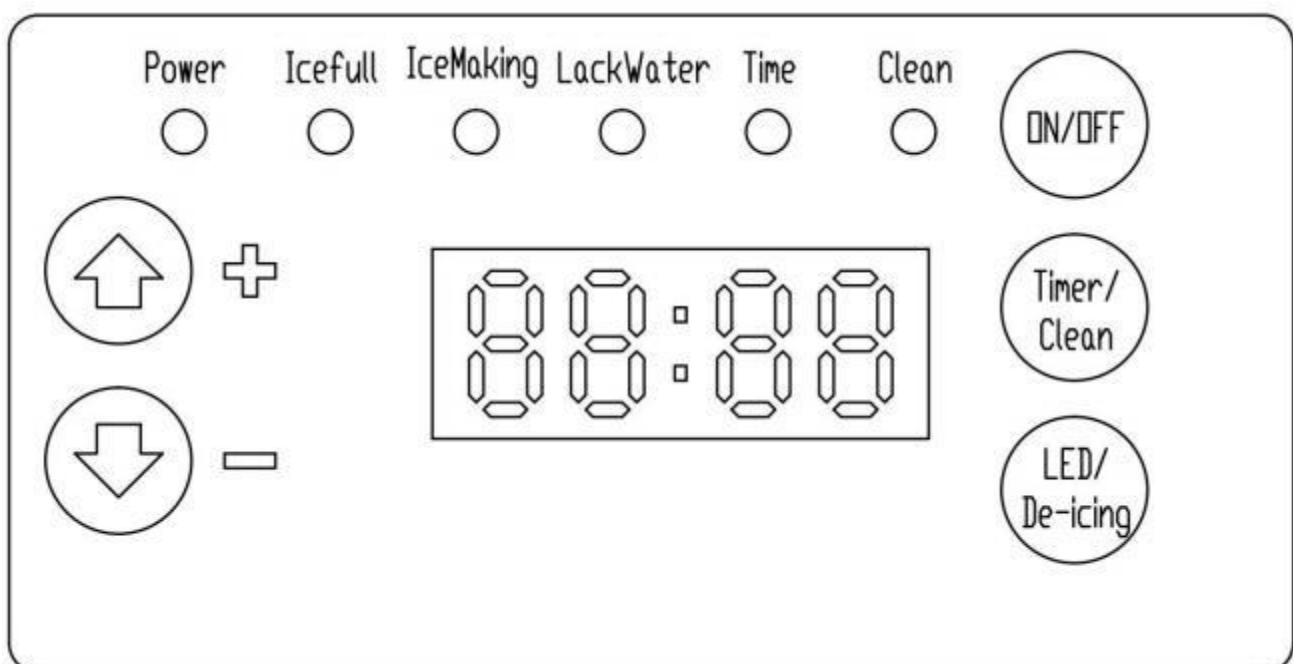


NOTE



1. Plastic Panel:As the production of ice cubes increases, the plastic panel inside the machine(shown above) might be pressed down by the ice cubes. When the plastic panel is pressed down, the machine will stop producing ice cubes automatically and the “stoppage” indicator will light on. Please clean out the ice cubes regularly for continuation of ice making.
- 2.Drain Plug:There is a drain plug(shown above),Pulling out the drain plug can drain water.

Operation for display panel:



ON/OFF :

Pressing the “ON/OFF” in standby mode, the machine goes into ice-making mode. Pressing the “ON/OFF” while the machine is running, the machine stops running and goes into standby mode.

“+” AND “-” :

Adjust the ice making time and the appointment on/off time, they are both shown on the digital display.

Note: During the ice making process the digital tube is always on to show the ambient temperature, the digital tube flashes to show the ice making time (minutes), and the appointment switch on is to show the appointment time (hours).

Timer/Clean :

In standby mode, press the “Timer/Clean” key and press the “+” “-” to adjust the startup time of the reservation machine; in the startup state, press the “Timer/Clean” and press the “+” “-” button to adjust the shutdown time of the reservation machine.

In standby mode, press and hold the “Timer/Clean” key for 3 seconds, the machine will start cleaning process, 8 minutes on and 3 minutes off within 30 minutes, cycle 3 times, press the “ON/OFF” or the “Timer/Clean” to exit at any time. (Individual customers do not have the appointment timing function)

LED/De-Icing :

If you press the button quickly, the light goes on, if you press it 3 seconds longer while the machine is making ice, the De-Icing process is starting.

Introduction of the main control board functions**1.1 Ice making function****1.1.1 Machine Standby:**

Machine power on, machine off (standby), power light flashing, digital tube display room temperature; individual models add a secondary water refill function during ice making

NOTE: replenish the tank when on standby; when the water level is too low (level switch off), the valve will open to replenish the water; until the level switch is on, close the water inlet solenoid valve. The maximum replenish time is 6 minutes.

1.1.2 Switching on the machine

Press the “ON/OFF” on the operation display panel, the “Power” indicator light (steady green light).

1. Check the water level and replenish water. If lack of water, open the replenishment solenoid valve, the “LackWater” indicator (red light) will be always on if the water level is not filled within three minutes, the replenishment solenoid valve will be off and the “Power” indicator light will be on; every 30 minutes the valve is opened for 3 minutes; if the water is full then the machine will work and the “LackWater” indicator light will be off.

2. The “Icefull” indicator light will be on when the ice is full, the machine will make ice when the ice is not full and the water full.

Ambient temperature sensor sampling temperature: the ice making time is determined according to the ambient temperature, and adjust the ice-making time every time. Magnetic switch detection, if disconnected then ice is full, “Ice full” indicator light will be on, if open then ice-making process can start.

Detection conditions: the machine will start de-icing when ice-making process ends, magnetic switch is continuously disconnected for 5S, judged to be disconnected and ice full.

Remarks:

1. Ice-making process starting requires
 - a. Magnetic switch turning on
 - b. Level switch in the water tank turning on
 - c. Determine the ice making time according to the ambient temperature sensor

2. Prerequisites for the pump to start working: water full, compressor on, entry into ice-making.
3. Replenished the water tank during the De-icing time, and the water can be replenished at any time during that time when the water is not enough; the fan will stop and the "IceMaking" light will flash when the De-icing process start.

1.1.3 Ice making

Ice making display: The accumulated time of ice making is displayed during the ice making process , and the "IceMaking" indicator light is on.

1.1.4 LED/De-Icing

The "IceMaking" indicator light flashes. When the de-icing process is completed, according to the magnetic switch is on or off determine whether to stop or continue the ice-making process.

Note: The action of the replenishment solenoid valve is determined by the level of the water ,and replenished water at any time during the de-icing process when there is lack of water.

1.2 Automatic cleaning Function

In standby mode, press the "Timer" button for more than 3S, the auto-cleaning process will start and the "Clean" indicator light will be on, the compressor and fan do not work, the water level switch is connected, the pump starts to work, work for 8 minutes and stop for 3 minutes, after three times, the cleaning process is finished.

During the cleaning process, the "Clean" indicator light is always on when the pump is working, and the "Clean" indicator light flashes in the middle 3 minutes waiting time. The water level switch must be on when the pump starts working, the water level can be replenished according to the water level when the pump stops. The digital figures will flash when staring countdown.The machine will stop working when the figures count down from 30 to 0 and enters standby mode.

1.3 Ice-making time setting function

Press the "+" or "-" button to display the current ice making time When ice-making, the digital figures will flash and can be increased or decreased ice-making time.

Ice making time, 1 minute for each increase or decrease,the ice time setting is valid for the next ice-making process.

1.4 Fault display function

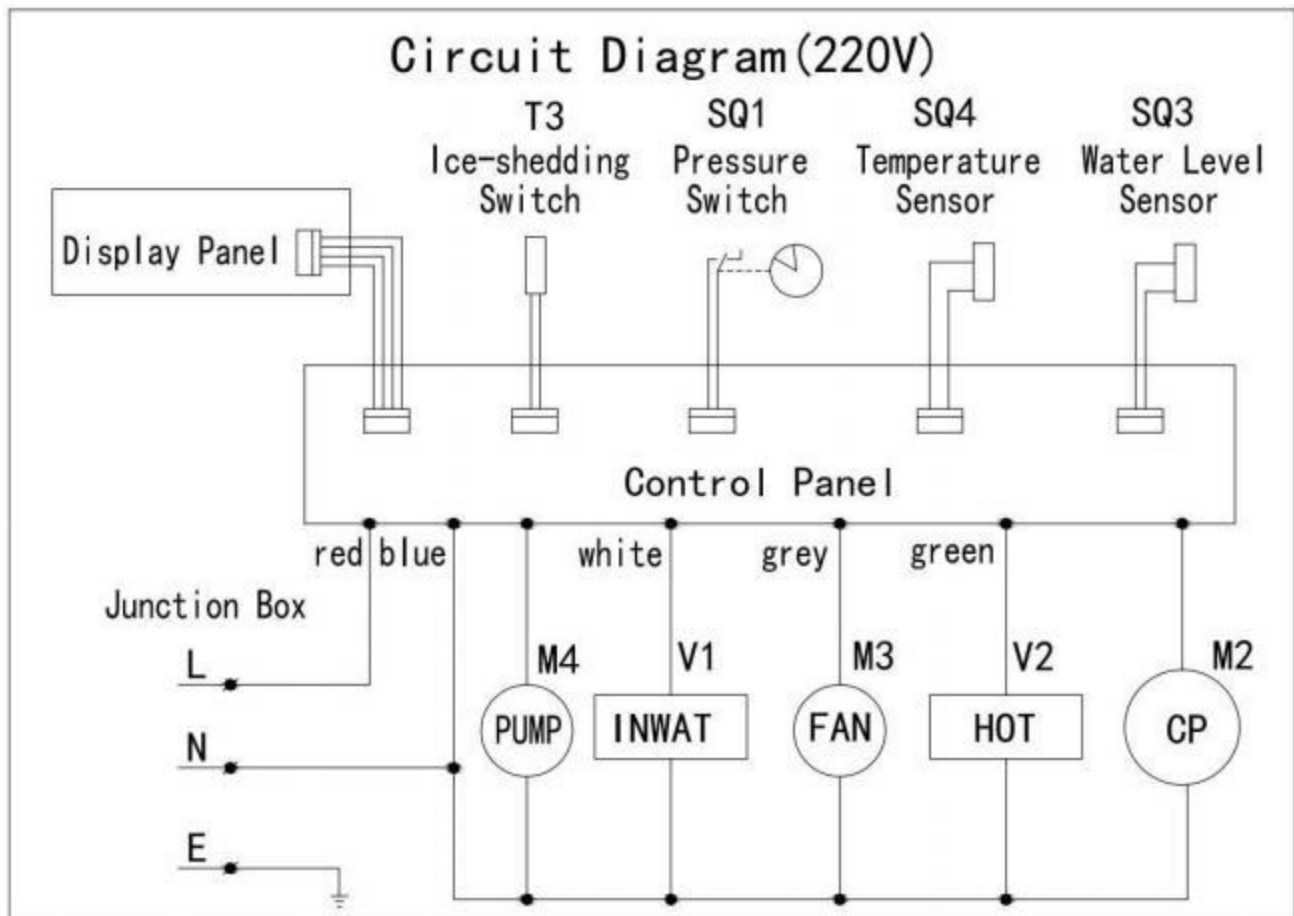
F1: water replenished timeout - float ball stucked or faucet no water or water inlet valve broken or circuit board output no power

F2: Ice full - Ice full or magnetic control broken

F3: sensor failure - sensor short circuit or broken circuit

F4: 3 times de-icing fault - Ice too thick or lack of water (limited to mechanical float ball)

Circuit Diagram



Common malfunction analysis

Ice full indicator is on, and proximity switch didn't react	Evaporator connector didn't assemble well	Re-install the connector
	Proximity switch is not sensitive	Replace the switch
	The connector didn't return to original position	Take away the ice to make the connector return to original position
Normal to make ice	Stop every 4 cycles, and the process of ice drop continued for 5 min	Proximity switch is not sensitive, replace it
No water in the tank	The water tank is not plugged	Put the plug back
Water slopped over the tank	Use tap water as water source	Water pressure is too high, water float can't work. Adjust the water pressure or replace by a new one.
Water in the tank	No water or low flow	Pump is badly clogged up, replace or clean it
		The spray pipe is clogged up, clean it
Water flow and water get cool	Thin ice on the evaporator	Increase the making time through "+"
	very solid ice on the evaporator	Reduce the making time through "-"
	Some water sprayed to ice storage tank	Adjust the spray pipe
	The water leak from the back of water tank	The tank need to be adjusted.
Water flow down but water is not cool	The main board didn't supply electricity to compressor	Replace by a new main board
	Compressor didn't work	Check the starter, replace by a new one if needed
	Compressor is very hot	Replace
	Compressor work but the connected copper pipe didn't get cool	The compressor leak
The fan is not work	The condenser prob is not sensitive	Unplug the prob or replace by a new one
	The fan is jammed	Adjust the fan
	Fan is broken	Replace by a new fan
Ice full	The connector didn't return to original position	Take away the ice to make the connector return to original position



