OWNER'S MANUAL

Ice maker



BEFORE USE, PLEASE READ AND FOLLOW ALL SAFETY RULES AND OPERATING INSTRUCTIONS.



Osion has a policy of continuous improvement on its products and reserves the right to change materials and specifications without notice.

Model Number: OCU-130 /200







TABLE OF CONTENTS

Appliance Safety	5
Installation Instructions Electrical Connection Installation of Your Icemaker Leveling the Icemaker Water Supply	6 7
Operating Your Icemaker Care and Maintenance Preparing to Store the Icemaker Cleaning the Icemaker Exterior Cleaning Interior Cleaning Sanitizing the system Condenser Filter Cleaning Power Failure / Vacation Time	11 11 11 12
Troubleshooting Guide	14 15

APPLIANCE SAFETY

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual for your icemaker. Always read and obey all safety messages.



This is the Safety Alert Symbol. This symbol alerts you to potential hazards that can kill or injure you and others. All safety messages will follow the Safety Alert Symbol and either the words" DANGER", "WARNING" or "CAUTION".



Danger means that failure to heed this safety statement may result in severe personal injury or death.



Warning means that failure to heed this safety statement may result in extensive product damage, serious personal injury, or death.

CAUTION

Caution means that failure to heed this safety statement may result in minor or moderate personal injury, property or equipment damage.

All safety messages will alert you to know what potential hazard is, tell you how to reduce the chance of injury, and let you know what can happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire, electric shock or injury when using your icemaker, follow these basic precautions:

- Plug unit into a grounded 3-prong outlet
- · Do not remove the grounding prong.
- Do not use an adapter.
- · Do not use any extension cord.
- · Disconnect power before cleaning.
- · Disconnect power before servicing.
- · Replace all panels before operating.
- · Use two or more people to move and install the ice maker

SAVE THESE INSTRUCTIONS

IMPORTANT SAFEGUIDES



Before the icemaker is used, it must be properly positioned and installed as described in this manual, so read the manual carefully. To reduce the risk of fire, electrical shock or injury when using the icemaker, follow basic precaution, including the following:

⚠ DANGER **⚠**

- Plug into a grounded 3-prong outlet, do not remove grounding prong, do not use an adapter, and do not use an extension cord.
- It is recommended that a separate circuit, serving only your icemaker be provided. Use receptacles that cannot be turned off by a switch or pull chain.
- Never clean icemaker parts with flammable fluids. These fumes can create a fire hazard or explosion. And do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other icemaker. The fumes can create a fire hazard or explosion.
- Before proceeding with cleaning and maintenance operations, make sure the power line of the unit is disconnected.
- Do not connect or disconnect the electric plug when your hands are wet.
- Unplug the icemaker or disconnect power before cleaning or servicing. Failure to do so can result in electrical shock or death.
- Do not attempt to repair or replace any part of your icemaker unless it is specifically recommended in this manual. All other servicing should be referred to a qualified technician.



FOLLOW WARNING CALL OUTS BELOW ONLY WHEN APPLICABLE TO YOUR MODEL

- Use two or more people to move and install icemaker. Failure to do so can result in back or other injury.
- To ensure proper ventilation for your icemaker, the front of the unit must be completely unobstructed. Choose a well-ventilated area with temperatures above 55°F (13°C) and below 90°F (32°C). This unit must be installed in an area protected from the element, such as wind, rain, water spray or drips.
- The icemaker should not be located next to ovens, grills or other sources of high heat.
- The icemaker must be installed with all electrical, water and drain connections in accordance with state and local codes. A standard electrical supply (115 V AC only, 60 Hz), properly grounded in accordance with the National Electrical Code and local codes and ordinances is required.
- Do not kink or pinch the power supply cord of icemaker.
- The fuse (or circuit breaker) size should be 15 amperes.
- It is important for the icemaker to be leveled in order to work properly. You may need to make several adjustments to level it.
- All installation must be in accordance with local plumbing code requirements.
- Make certain that the pipes are not pinched or kinked or damaged during installations.
- Check for leaks after connection.
- Never allow children to operate, play with or crawl inside the icemaker.
- If you use the drainage container, you MUST set the Drain Select switch to OFF or the water can overflow from the drainage container
- Although the unit has been tested at the factory, due to long-term transit and storage, the first batch of cubes must be discarded.
- Do not use solvent-based cleaning agents of abrasives on the interior. These cleaners may damage or discolor the interior.
- Do not use this apparatus for other than its intended purpose.

Read this guide carefully.

It is intended to help you operate and maintain your new Icemaker properly.

Keep it handy to answer your questions. If you don't understand something or you need more assistance, please contact the dealer, or authorized service company.

Keep proof of original purchase date (such as your sales slip) with this guide to establish the warranty period.

CAUTION:

THE ICEMAKER IS NOT DESIGNED FOR THE STORAGE OF MEDICINE OR OTHER MEDICAL PRODUCTS.

Write down the model and serial numbers.

You'll find them on a plate located on the rear wall of the Icemaker
Please write these numbers here:
Date of Purchase
Model Number
Serial Number

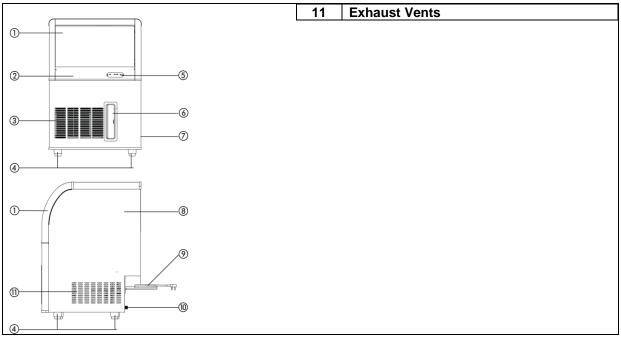
Use these numbers in any correspondence or service calls concerning your Icemaker

If you received a damaged Icemaker, immediately contact the dealer (or builder) that sold you the Icemaker

Save time and money. Before you call for service, check the Troubleshooting Guide. It lists causes of minor operating problems that you can correct yourself.

ASSY PARTS VIEW

1	Sliding Access Door
2	Ice Storage Compartment
3	Air Intake Vent
4	Leveling Legs (4)
5	Control Panel
6	Condenser Air Filter Assembly
7	Power ON / OFF Button (Located at the
	rear)
8	Cabinet Body
9	Power Cord
10	Water Drain Outlet Connections



IMPORTANT SAFETY INSTRUCTIONS



To reduce the risk of fire, electrical shock, or injury when using your icemaker, follow these basic precautions:

This unit is for Indoor Use Only - SAVE THESE INSTRUCTIONS -

- Read all instructions before using the icemaker.
- DANGER or WARNING: Risk of child entrapment. Child entrapment and suffocation are not problems
 of the past. Junked or abandoned icemakers are still dangerous . . . even if they will "just sit in the garage
 a few days".
- Before you throw away your old icemaker: take off the doors.
- Never allow children to operate, play with, or crawl inside the icemaker.
- Never clean icemaker parts with flammable fluids. The fumes can create a fire hazard or explosion.
- Do not store or use gasoline or any other flammable vapors and liquids in the vicinity of this or any other icemaker. The fumes can create a fire hazard or explosion.

INSTALLATION INSTRUCTIONS

Before Using Your Icemaker

- Remove the exterior and interior packing.
- Check to be sure you have all of the following parts:
 - 1 Ice Ścoop
 - 1 Water Supply Hose
 - Instruction Manual
- Before connecting the unit to the power source, let it stand upright for approximately 2 hours. This will reduce the possibility of a malfunction in the cooling system from handling during transportation.
- Clean the interior surface with lukewarm water using a soft cloth.



EXCESSIVE WEIGHT HAZARD

USE TWO OR MORE PEOPLE TO MOVE AND INSTALL THE ICEMAKER

FAILURE TO DO SO CAN RESULT IN BACK OR OTHER INJURY

Electrical Connection

*★***WARNING**

Improper connection of the equipment-grounding can result in the risk of electrical shock. If the power cord of the range or icemaker is damaged, have it replaced by an authorized Osion Products service center.

This icemaker should be properly grounded for your safety. The power cord of this icemaker is equipped with a three-prong plug which mates with standard three prong wall outlets to minimize the possibility of electrical shock.

Do not under any circumstances cut or remove the third ground prong from the power cord supplied. For personal safety, this icemaker must be properly grounded.

This icemaker requires a standard 115/120 Volt AC ~/60Hz electrical ground outlet with three-prong. Have the wall outlet and circuit checked by a qualified electrician to make sure the outlet is properly grounded. When a standard 2-prong wall outlet is encountered, it is your responsibility and obligation to have it replaced with a properly grounded 3-prong wall outlet.

The cord should be secured behind the icemaker and not left exposed or dangling to prevent accidental injury.

The icemaker should always be plugged into its own individual electrical outlet which has a voltage rating that matches the rating label on the icemaker. This provides the best performance and also prevent overloading house wiring circuits that could cause a fire hazard from overheated. Never unplug the icemaker by pulling the power cord. Always grip the plug firmly and pull straight out from the receptacle. Repair or replace immediately all power cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length or at either end. When moving the icemaker, be careful not to damage the power cord.

Extension Cord

Because of potential safety hazards under certain conditions, it is strongly recommended that you do not use an extension cord with this icemaker. However, if you must use an extension cord and it is absolutely necessary that it be a UL/CUL-Listed, 3-wire grounding type icemaker extension cord having a grounding type plug and outlet and that the electrical rating of the cord be 115 volts and at least 10 amperes.

Surge Protector

Most electrical icemakers use a series of electric control boards to operate. These boards are very susceptible to power surges and could be damaged or destroyed.

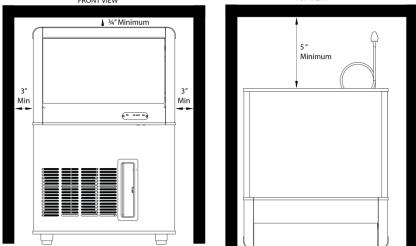
If the icemaker is going to be used in an area or if your city / country is prone to power surges / outages; it is suggested that you use a power surge protector for all electrical devices / icemakers you use. The surge protector that you select must have a surge block high enough to protect the icemaker it is connected to. If you have any questions regarding the type and size of surge protector needed contact a licensed electrician in vour area.

Damages due to power surges are not considered a manufacturer covered defect and will void your product warranty.

Installation of Your Icemaker

- THIS ICEMAKER MUST BE PROPERLY INSTALLED BY A QUALIFIED PROFESSIONAL This icemaker SHOULD be installed with electrical and water connections in accordance with all state and local codes.
- Place your icemaker on a floor that is strong enough to support the icemaker when it is fully loaded. To level your icemaker, adjust the legs at the front of the icemaker.
- Allow a minimum of 3/4 inch of space between the top and 3 inches at the sides of the icemaker and a minimum of 5 inches at the back, which allows the proper air circulation to cool the compressor. Ensure the front of the unit is completely unobstructed.
- Locate the icemaker away from direct sunlight and sources of heat (stove, heater, radiator, etc.). Direct sunlight may affect the acrylic coating and heat sources may increase electrical consumption. Extreme cold ambient temperatures may also cause the icemaker not to perform properly.
- Choose a well ventilated area with temperatures above 50°F (10°C) and below 110°F (43°C). This unit MUST be installed in an area protected from the elements.

INSTALLATION CLEARANCES: FRONT VIEW



Allow a minimum of 3 inch of space between the sides, 3/4" at the top of the icemaker and a minimum of 5 inches at the back, which allows the proper air circulation to cool the compressor. Ensure the front of the unit is completely unobstructed.

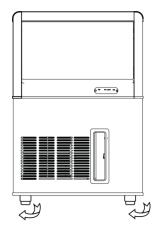
- The installation of this icemaker requires a cold water supply inlet of \(\frac{1}{4} \) (6.35mm) soft copper tubing with a shut off valve.
- The icemaker requires a continuous water supply with a minimum pressure of 14.5 psig and a static pressure not to exceed 80 psig. The temperature of the water supply into the icemaker should be between 41°F (5°C) and 77°F (25°C) for proper operation.
- It is strongly recommended that a water filter be used. A filter, if it is of the proper type, can remove taste and odors as well as particles. Some water is very hard, and softened water may result in white, mushy cubes that stick together. De-Ionized water is NOT recommended.

Operation of the icemaker for extended periods outside of the normal Warning

temperature ranges as described above may affect product performance.

Leveling the ice maker

It is important for the icemaker to be leveled in order to work properly. It can be raised or lowered by rotating the plastic sheaths around each of the four feet on the bottom of the machine. If you find that the surface is not level, rotate the feet until the ice maker becomes level. You may need to make several adjustments to level it. We recommend using a carpenter's level to check the machine.



IMPORTANT: Once you are ready to install it in a cabinet or directly on the floor, you must adjust the feet to level the ice maker. If the floor is level, just rotate the two front casters to touch the floor.

Water Supply

The water supply should be ready at the point of installation. The water supply pressure should be a minimum of 15 psig with a static pressure not more than 80 psig. (A wall outlet directly behind the ice machine will make installation easier.)

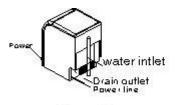




Diagram2

Diagram1

IMPORTANT:

- 1. All installations must be in accordance with local plumbing code requirements. Professional installation is REQUIRED.
- 2. Make certain the hoses are not pinched or kinked or damaged during installation.
- 3. Check for leaks after connection.

Tools required: ½-in. open-end wrench, Phillips screwdriver

Connecting the water line:

- 1. Turn off main water supply. Turn on the nearest faucet long enough to clear line of water.
- 2. Find a ½-in. to ¾-in. vertical cold-water pipe near the installation location. The distance should be less than 6 feet. The water supply hose provided with the ice maker is about 6 feet long.
- 3. A shut-off valve must be installed to the main water supply. If the water pipe has a plain piece of copper tubing, attach a ¼" O.D. compression union to the tubing and remove the nut.
- 4. Connect the nut of the water supply hose to the tap, and connect the other end with the water inlet. Tighten firmly by hand, then one-half turn with wrench.
- 5. Turn on main water supply and tap. Check for water supply connection leaks. Tighten every connection (including connection at the water inlet).

IMPORTANT: When you connect the water supply hose and the drain hose, pay attention to the indications of "Water inlet" and "Drain outlet" on the machine.

Drain

You must connect the drain line before using the ice maker. Follow the steps outlined below. Connecting the drain line:

- 1. Locate the floor drain near the ice maker. The distance should be less than 4.5 feet since the length of the long drain water hose provided with the ice maker is about 4.85 feet.
- 2. Find the drain outlet on the back of ice maker. Connect the drain outlet to the water draining hose and insert the other end of the hose into the drain line.
 - NOTE: Never allow the drain hose to hang or loop higher than the floor of the ice storage bin.
- 3. All horizontal runs of drain lines must have a fall of ¼" per foot. An air gap will likely be required between the ice maker drain tube and the drain/waste receptacle. A standpipe with a trap below it would be acceptable for the drain/waste receptacle. A floor drain is also acceptable.
- 4. Pour 1 gallon of water into the ice storage bin to check for leaks in the drainage system. Tighten any connections that leak.

IMPORTANT: Infrequent drainage will cause a high rate of melting in the ice storage bin.

OPERATING YOUR ICEMAKER



Description of LEDs and buttons:

- 1. Ice Bin Full LED: Bin full indicator light
 - When it is lit, the ice storage bin is full of ice or there is something blocking the bin-full probe. The unit will stop working. When ice cubes are removed from the ice storage bin, freeing the bin-full probe, the LED will turn off and then the unit will restart and return to the ice making mode.
- Ice Making LED: Ice making indicator light
 When it is lit, the unit is working in the ice making mode controlled by a temperature probe on the evaporator.
- 3. **Clean button**: When this button is pressed, the unit enters the "CLEANING" mode. The Clean system will run through a full clean of the water system and Evaporator. The water used during the clean mode will drain through the drain hose. Once the clean system is complete, it will return to normal operation automatically.
- 4. Timer Reset: This button is to reset the "Clean Filter" reminder. After approximately 350 hours of compressor runs or ice-making cycles, the unit will emit a beep and all (3) three indicator lights will flash (Power, Ice-Making, Ice-Full) to remind you to clean the condenser filter at the front of the unit. Once you have removed the filter, cleaned it and returned it to its original place. Press the "Timer Reset" button to reset the reminder.

Operating method

Turn on the water tap, let the water trough fill, then press the ON/OFF button on the front panel. The ice maker will start working automatically.

- 1. After 3 minutes, the machine will automatically go to the ice-making stage, and the sound of water flowing will be heard.
- 3. When the batch of ice has been fully formed, ice will automatically be harvested to the ice storage hin
- 4. When the ice storage bin is full, the machine stops making ice automatically.
- **5.** The unit will start making ice again after the ice cubes are removed.

IMPORTANT:

- Although the unit has been tested and cleaned at the factory, due to long-term transit and storage, the first batch of cubes must be discarded.
- Never turn the water supply tap off when the ice maker is working.
- Never touch the evaporator when unit is running!
- Except to take ice from the unit, keep the door closed to reduce melting and insure proper ice formation.

CARE AND MAINTENANCE

Preparing the ice maker for long storage

If the ice maker will not be used for a long time, or is to be moved to another place, it will be necessary to drain the water system.

- 1. Shut off the water supply at the main water source.
- 2. Disconnect the water supply line from the water inlet.
- 3. Shut off the electric supply at the main electrical power source.
- 4. Remove any remaining ice and water. Dry the bin thoroughly.
- 5. Leave the door open to allow for circulation and to prevent mold and mildew.
- 6. Leave water supply line and power cord disconnected until ready to reuse.

IMPORTANT:

- Do not touch the power plug when your hands are wet.
- Never unplug the unit by pulling on the cord. Grasp the plug and pull out firmly.

Cleaning The Icemaker



Periodic cleaning and proper maintenance will ensure efficiency, top performance, and long life. The maintenance intervals listed are based on normal conditions. You may want to shorten the intervals if you have pets, or there are other special considerations.

Important Note:

Never keep anything in the ice storage bin that is not ice: objects like wine and beer bottles are not only unsanitary, but the labels may slip off and plug up the drain.

. WARNING

Before proceeding with cleaning and maintenance operations, make sure the power line of the unit is disconnected and the water line is shut off.

Exterior cleaning

The door and cabinet may be cleaned with a mild detergent and warm water solution such as 1 oz. of dishwashing liquid mixed with 2 gallons of warm water. Do not use solvent-based or abrasive cleaners. Use a soft sponge and rinse with clean water. Wipe with a soft clean towel to prevent water spotting.

Interior Cleaning

The ice storage bin should be sanitized occasionally. Clean the bin before the ice maker is used for the first time and reused after stopping for an extended period of time. It is usually convenient to sanitize the bin after the ice making system has been cleaned, and the storage bin is empty.

- 1. Disconnect power to the unit.
- Open the door and with a clean cloth, wipe down the interior with a sanitizing solution made of 1 ounce (29.5ml) of household bleach or chlorine and 2 gallons (7.5L) of hot water 95°F (35°C) to 115°F (46°C).
- 3. Rinse thoroughly with clear water. The waste water will be drained off through the drainpipe.
- 4. Reconnect power to the unit.

The ice scoop should be washed regularly. Wash it just like any other food container.



Minerals that are removed from water during the freezing cycle will eventually form a hard-scaly deposit in the water system. Cleaning the system regularly helps remove the mineral scale buildup. How often you need to clean the system depends upon how hard your water is. With hard water of 4 to 5 grains/liter, you may need to clean the system as often as every 6 months.

- 1. Turn off power the ice maker. Keep the ice maker connected to the water supply& drainpipe.
- 2. Open the door and scoop out of the ice cubes.
- 3. Turn on the power to the ice maker. Pour 8 ounces of Nickel-Safe Ice Maker Cleaning Solution into the water bin. Add 8 ounces of tap water. After about 5 minutes, press down the "clean" button. (See figure below and following section.)



NOTE: THE BACK SIDE OF THE ICE MAKING MOULD MUST BE CLEANED BY A PROFESSIONAL.

Sanitizing the Ice-Making System

- 1. Turn off power to the ice maker.
- 2. Remove all ice cubes from the storage bin.
- 3. Prepare a sanitizing solution made of 1 ounce of household bleach and 2 gallons of hot water 95°F (35°C) to115°F (46 °C).
- 4. Fill a spray bottle with the sanitizing solution and spray all corners and edges, making sure to cover all surfaces with the solution. Rinse with clean water.
- 5. Keep the ice maker connected to the water supply. Turn on the power to the ice maker. Within 5 minutes, press the CLEAN button. The machine will run the Automatic Clean mode.
- 6. Allow 30 minutes for proper cleaning.
- 7. The unit will begin the automatic ice making process when the clean cycle is complete.
- 8. Discard the first batch of ice.

Condenser filter cleaning

A dirty or clogged condenser prevents proper airflow, reduces ice making capacity, and causes higher than recommended operating temperatures that may lead to component failure. Have the condenser cleaned at least once every six months.

- 1. Turn the Power Switch to the OFF position. Unplug the ice maker or disconnect power.
- 2. Gently pull out the front louver filter.
- 3. Remove dirt and lint from the filter with the brush attachment of a vacuum cleaner.
- 4. Reinsert the front louver filter.
- 5. Plug in the ice maker and turn the power switch to the ON position.

Power Failure

Most power failures are corrected within a few hours and should not affect the temperature of your icemaker if you minimize the number of times the door is opened. If the power is going to be off for a longer period of time, you need to take the proper steps to protect your food.

Vacation Time

Short vacations: Leave the unit operating during vacations of less than three weeks.

Long vacations: If the icemaker will not be used for several months, remove all ice cubes, drain then unplug the power cord. Clean and dry the interior thoroughly. To prevent odor and mold growth, leave the door open slightly: blocking it open if necessary

TROUBLESHOOTING

Before Calling for Service

If the unit appears to be malfunctioning, read through the *OPERATION* section of this manual first. If the problem persists, check the Troubleshooting Guide on the following pages. Some of the problems mentioned in the Guide can be solved easily without a service call.

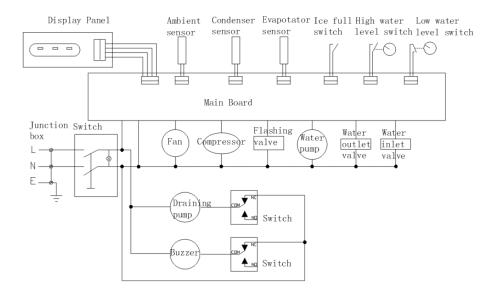
Problem	Possible Cause	Probable Correction	
	The ice maker is unplugged.	Plug the ice maker in.	
	The fuse is blown or breaker	Replace fuse. If it happens again, call for	
The machine doesn't	has tripped.	service to check for a short circuit in the unit.	
operate.	The ice maker power button is set at OFF.	Switch the ice maker power button to ON.	
	The ice storage bin is full of ice.	Remove some ice cubes. Be sure the ice-full probe is free of ice.	
The water doesn't feed in after the	The water supply tap is turned off.	Turn on the water supply tap.	
machine starts.	The water supply pipe is not properly connected.	Reconnect the water supply pipe.	
Machine makes ice, but bin does not fill up with ice.	The condenser may be dirty.	Clean the condenser.	
	The air flow to the ice maker may be obstructed.	Check the installation.	
	The ambient temperature and water temperature are high, or unit is near some heat source.	Check the installation.	
	Some water falls to the floor	Normal condensation on the door or some water	
Water is leaking out	when you open the door to remove ice from storage bin.	together with ice. Take care when you remove ice.	
of the unit.	Water supply connection is leaking.	Tighten fitting. See Connecting the water line.	
Cubes are partially formed or are white on the bottom.	Not enough water in the water	Check if the water supply pressure is below 15 psig.	
	trough.	Check water supply or filter may be restricted.	
-		Check for a water leak at the water trough.	
Noise during	The feet are not leveled and locked.	Level and lock the feet. See Leveling the Ice Maker.	
operation	Certain sounds are normal.	See Normal Sounds.	
	The electricity is off.	Reconnect the power supply line.	

The ice maker stops suddenly while	The room temperature is out of the stated range.	Cut off the electricity and leave the ice maker disconnected until the temperature returns to within the stated range.	
making ice.	The ice storage bin is full of ice.	Remove some ice cubes; make sure the ice-full probe is free of ice.	
The body of the ice maker is electrified	The ground line isn't in the socket.	Use a socket meeting the grounding requirements.	
Scaling occurs frequently inside the machine.	The hardness level of the water is too high.	Install a water-softening device in front of the water inlet.	
Water leaks from the ice storage bin	The drain hole below the ice storage bin is blocked. The drain hose is kinked or improperly placed higher than	Remove the ice storage bin and clean the drain hole. Check the drain hose to be sure water can be drained out unhindered.	
	the floor of the ice storage bin.		

Running Status	Power Light	lce-making Light	Ice full Light
Cleaning	ON	OFF	OFF
Ice making	ON	ON	OFF
Ice full	OFF	OFF	ON

Error Status	Power Light	Ice-making Light	Ice-making Light
Condenser sensor error	*	*	Flashing
Evaporator sensor error	*	Flashing	*
Water shortage	Flashing	*	*

WIRING DIAGRAM











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