INSTRUCTION MANUAL

KOOL-IT

BACK BAR COOLER

CONTENTS

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Model	KGM-7
Maximum volume	165L

Please read these instructions completely before operating the units.

SAFETY PRECAUTIONS

- To ensure proper use, please thoroughly study these SAFETY PRECAUTIONS before operating the Unit.
- The purpose of the safety precautions in this manual is to ensure safe and correct use of the unit to minimize risks that could cause serious damage and injury to you or other persons. The safety precautions are divided into WARNINGS and CAUTIONS. Cases where improper handing of the unit could lead to death or serious injury are listed under the "⚠WARNING" heading. However, the cases listed under the"⚠CAUTION" heading could also lead to serious results. To ensure the safety, adhere strictly to both types of safety precautions.
- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- 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.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.

⚠ WARNING	Improper handling of the unit could lead to death or serious injury.
⚠ CAUTION	Improper handling of the unit could lead to serious results depending on the circumstances.

- Text set off by the exclamation mark ❗ contains information that should be strictly adhered to.
- After reading the instruction manual, store it an easily accessible place where the user(s) of this product can easily find it.

◆ PRECAUTIONS FOR INSTALLATION

⚠WARNING

❗ Installation should be performed only by the dealer or a qualified expert. Attempting to install the unit yourself could result in water leakage, refrigerant leakage, electrical shock, or fire.

◆ PRECAUTIONS FOR USE

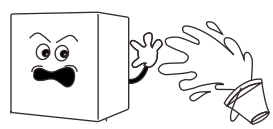
⚠WARNING

DON'T TAMPER

All repairs, disassembly and modifications should be performed only by qualified technicians. Attempting to perform these yourself could result in a fire, malfunction, and injury.

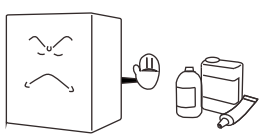
ELECTRICAL SHOCK HAZARDS

Never splash water directly onto the product or wash with water as short-circuit and electrical leakage could result.



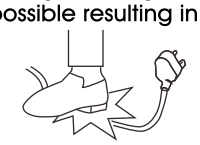
DANGER OF EXPLOSION

Never put flammable or volatile substances into the unit as explosion and fire could result.



PROHIBITED

Do not damage, modify, excessively bend, strain, twist or bundle up the power cord. Also, placing heavy objects the power cord or squeezing it in a tight place could damage it, possible resulting in electrical shock or fire.

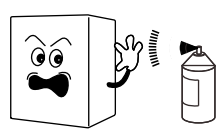


PROHIBITED

Use a dedicated wall outlet. Do not use extension cords or convenience receptacles as this could result in electrical shock, overheating and a fire.

FLAMMABLE

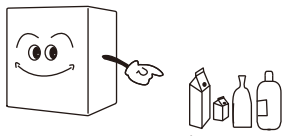
Never use flammable spray cans or leave flammable substances near the unit. Sparks from electrical switches could result in explosion and fire.



SAFETY PRECAUTIONS

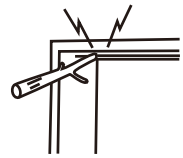
⚠WARNING

The cooler is intended for storage and display of beverages for sale. Do not use for other purpose than intended as this could adversely affect items placed in the unit.



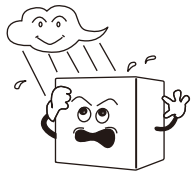
ROTATING DEVICE

Never attempt to insert fingers, sticks, etc. Into the cold air suction outlet as a circulation fan is rotating at high speed inside the outlet. Injury, electrical shock and improper operation could result.



PROHIBITED

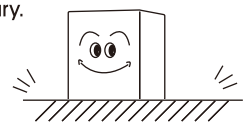
For indoor use only. Using the unit in a location exposed to rain could result in electrical leakage and electrical shock.



PROHIBITED

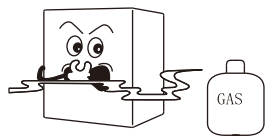
Never place heavy objects or items containing water on top of the unit. Objects could fall down and cause injury and spilled water could deteriorate the insulation of electrical components and result in electrical leakage.

Install the unit in a location where the floor is sturdy enough to support the load of the unit. If the floor is not sturdy enough or installation is incorrectly performed, the unit could tip over and falling shelves and products could cause personal injury.

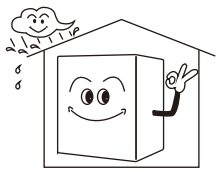


CAUTION AGAINST EXPLOSION

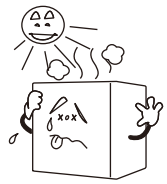
If you find gas leakage,please don't touch the chest freezer,and close gas and open the door for ventilation.Gas leakage could cause explosion, fire, and fire injury.



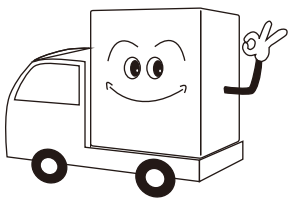
Store the unit in a location where it is not exposed to rain. Using a unit that has been exposed to rain could result in electrical leakage and electrical shock.



Keep away from hot air sources
Cooling performance is reduced if the unit is placed near heat sources such as hot plates and stoves and if it is exposed to direct sunlight.



Leave disassembly and disposal of the unit to qualified experts.



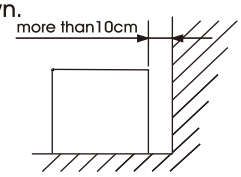
Should the unit need temporary storage, make sure not to store the unit in a location where children play and take precautions so that the door cannot be completely closed. This will minimize the risk that a child becomes trapped inside the compartment.

SAFETY PRECAUTIONS

⚠WARNING

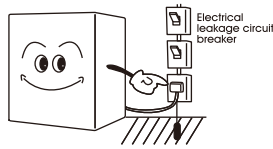
WELL VENTILATED PLACE

Please make sure there is more than10cm space between UPRIGHT COOLER and the wall. If there is no space, cooling capacity can drop down.



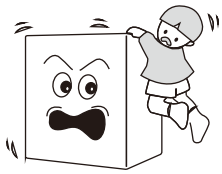
DANGER OF ELECTRICAL SHOCK

If installation in a damp location is unavoidable, also install an electrical leakage circuit breaker. If no electrical leakage circuit breaker is installed, electrical shock could result.



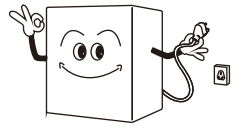
PROHIBITED

Never hang from the door or climb onto the unit. The unit could tip over or fall and cause material damage or injury.



DISCONNECT POWER CORD PLUG FROM WALL OUTLET

Disconnect the power cord plug from the wall outlet before moving the unit and make sure that the power cord is not damaged during transport. A damaged power cord could result in electrical shock and/or fire.

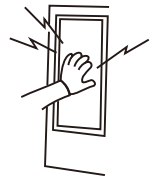


DON'T PINCH FINGERS

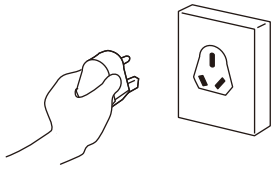
Grasp the handle when closing the door. Holding at other positions could result in pinched fingers and injury.

Do not touch

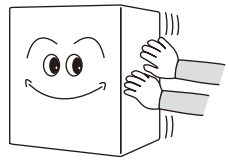
Do not push hand against or apply excessive force to glass surfaces as the glass could break and cause injury.



When disconnecting the power cord plug from the wall outlet, hold at the plug main body close to the outlet. Pulling the cord could cause wire breakage, possibly resulting in overheating and fire.



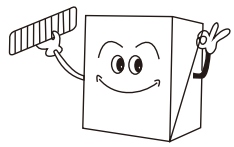
Make sure that the unit does not tip over or fall when it is moved. A falling unit could cause serious injury.



PROHIBITED

Do not throw items onto the shelves and do not place items totaling more than 65lbs on each shelf. The shelf could fall down, possibly causing injury.

Be sure to attach and secure shelves correctly. An improperly attached shelf could fall downand cause injury.



HOW TO USE

BEFORE USE

- Remove shipping package, tape, etc, and leave doors open ventilate for a while.
- The unit is cleaned before shipment. However, clean the compartment interior after delivery.
- Please insert power supply plug into the wall outlet ,single-phase to cat voltage.
- Allow the unit to operate for about 1 hour to cool the compartment before placing items in the cooler.

WAIT 5 MINUTES OR MORE BEFORE RE-STARTING

- Restarting the unit immediately after it has been turned off may cause fuses to blow and activate the circuit-breaker, the compressor may be overloaded, and/or other damage may occur.

DRAIN TRAY

- Defrosting is performed automatically and drain water is collected in the drain tray.
- Water in the drain tray is evaporated automatically. In humidity,there is a large amount of water in the drain tray, so please throw away drain water once a day.

EFFICIENT USE

- To prevent cold air from escaping, open and close the door quickly and keep the door opened for as short a time as possible.
- Please install the unit in the place which is well-ventilated.

SHELF HEIGHT ADJUSTMENT

The shelf height can be adjusted.

Arrange the shelves in accordance with the dimensions of the items to be placed in the cooler.

TEMPERATURE ADJUSTMENT

For showcase cooler, the interior temp. during fully loaded at factory default setting of position at 4-5 will be kept at 0-10'C., If the ambinet temp. is extremely high or the stuffing food inside is too much, that might cause the interior temp. a little bit higher. So, it would be better turn the thermostat right so as to maintence the right temp. On the opposite, if the ambinet temp. is very low or empty loaded, or in less food storage, the interior temp. might be able to reach minus 0'C, and in return to cause the evaporator ice up; Thus, it would better switch the thermostat back to left so as to relieve something.

HOW TO USE

TEMPERATURE ADJUSTMENT

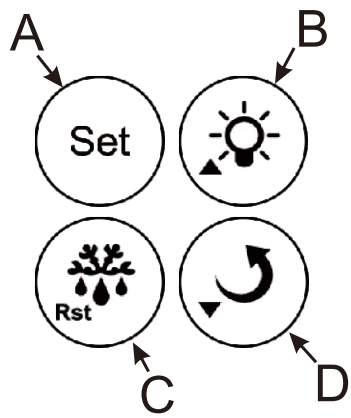
KOOL-IT

TECHNICAL SUPPORT MVP GROUP

CONTROL ON KSM SERIES

ECS-180 instructions

Here are the instructions to change Celsius Degrees to Fahrenheit degrees:



Step 1

To make the manipulations easier, refer to the buttons as following :

1. First, you need to press the “D” button for at least 10 seconds until “HO” appears. Then you need to press “D” again a couple times (to go down) until “H7” appears.
2. Then, press the “C” button to show “Dr”. That means the change has been made from Celsius to Fahrenheit.
3. As soon as the setting has been changed, the “E2” alarm will appear, we will go in step 2 for the next step.

Step 2

1. To cancel this alarm, press the “A” button for at least 3 seconds to enter settings (“St” will appear). At this point, press “A” again to change the value of temperature from 3 to 37 (in Fahrenheit degrees) and press set to save the change, it will bring you back to “St”.

Then, press the “B” button (to go up) until you see “PO”. Then press “A” and digits”00” will appear. At this step, the menu requires a password which is 55.
Press “B” until it reaches the proper number and then press “A” to confirm, it will bring you back to “PO”.

Then, to cancel the E2 alarm, press the “B” button until you see the settings

TEMPERATURE ADJUSTMENT

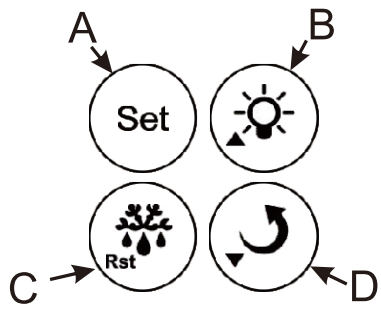
KOOL-IT

TECHNICAL SUPPORT MVP GROUP

CONTROL ON KSM SERIES

ECS-180 instructions

CONTINUED



“D1” then press ”A” button to enter the settings and change the settings to “00” and confirm by pressing “A” and the alarm is canceled. It will bring you back do “D1”. You need to go up to the settings “C1”.

Here is a menu of what needs to be changed when you switch from Celsius to Fahrenheit, the rest remain the same.

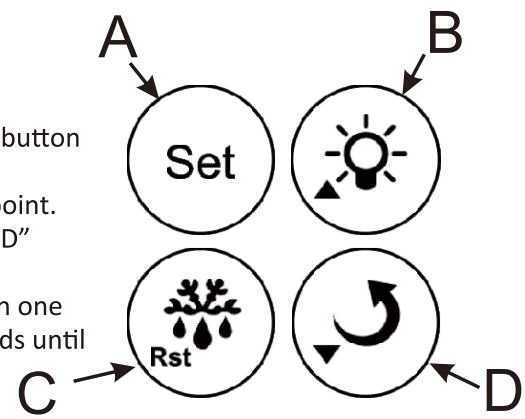
1. Every time you get to a setting (“C1” as example), press the “A” button to access the value and use the “B” and “D” to go up (B) or down (D). After changing the value, always press “A” to save the change of values. You repeat the operation for all the settings included in the previous table and the rest is all default and doesn't need any change.
2. After all the changes were made, you just need to wait 10 to 15 seconds, and it will switch back to the temperature display. At that point, the changes have been made and will remain in the controller.

Reset parameter(others are default)			
Menu		Set Value(℃)	Set Value(℉)
ST	Tempreature set value(Lower limit - upper limit)	3	37
C1	Hysteresis value	4	8
C2	Compressor start Min.interval	1	1
C3	Compressor Initial Min.interval	2	2
C5	Tempreature set lower limit	0	32
C6	Tempreature set upper limit	10	50
d1	Evaporator sensor selection	0	0
d4	defrost cycle	6	6
d5	defrost status display	3	3
d6	the maximum time of defrost	20	20
d10	time deplay after defrost start	2	2
cd1	condenser sensor selection	0	0

HOW TO USE

TEMPERATURE ADJUSTMENT

Here are the direct instructions on how to adjust the set point on the ECS-180 temperature controller:



- Locate the set button (button A). First, press and hold that button for 3 seconds until the letters “St” will appear and release.
- Press set (A) and release one more time to access the set point.
- To change its value, use the “B” button to raise it and the “D” button to lower it*.
- When the desired set point is reached, press “set” (A) again one more time to confirm the change and allow 15 to 20 seconds until the controller saves the change and will go back to the temperature display on itself.

*: Please note that this machine has an internal temperature differential that works as a protection for the compressor. The way the differential works is that at whatever temperature the unit will be set at, the compressor will work and cool the cabinet down until it reaches the chosen set point then it will shut itself up. It will allow a differential of 4 degrees before starting its operation back.

The reason is to protect the compressor from doing short cycles (on/off) repetitively. Doing so can burn out the compressor, the same as flickering a light switch very fast, it will burn the light bulb. The compressor works exactly the same so it should be considered when adjusting the set point.

HOW TO USE

PLACING ITEMS IN THE SHOWCASE

This showcase employs a forced circulation of cold air system. If circulation of cold air is obstructed, the items will not be adequately refrigerated. Pay attention to the following points:

- Do not let items obstruct the cold air inlet and suction outlet.
- Place items so that they do not protrude from the shelves. The gap between the shelves and the door is used for circulation of cold air.
- Place items evenly on all shelves.
- Please do not display goods on the bottom. Please put goods on the shelf.
  Commercial refrigeration display cooler.
- This showcase be used with rated voltage (110V) and frequency(60Hz).
- This equipment is intended for the storage and display of non-potentially-hazardous bottled or canned products only.
- This display refrigerator is not for the display of potentially hazardous foods.

INSTRUCTION MANUAL

CLEANING

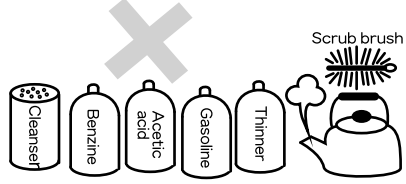
> ⚠ WARNING
>
> To prevent any electrical shock hazards or injury by rotating circulation fan, always disconnect the power cord plug from the wall outlet before cleaning.

1 EXTERIOR AND COOLER COMPARTMENT

Wipe with a soft, dry cloth. If very soiled, wipe with a cloth that has been moistened with a detergent . Then wipe with a cloth that has been dipped in water.

> ⚠ WARNING
>
> WARNING: Do not splash water directly onto the cooler and do not wash with water. Short-circuit and electrical shock could result.

- Clean the cooler regularly to keep it clean at all times.
- Never use polishing powder, soap powder, benzine, oil or hot water as these will damage the painting and plastic components.



2 CHECKS

To ensure the safety, perform the following checks after cleaning.

●Is the power cord plug firmly inserted into a dedicated wall outlet? Confirm that the plug is not abnormally hot.

●Check the power cord for cracks and damage. Should the slightest irregularity be observed, contact the dealer from whom you purchased this unit or our customer's service.

IN CASE OF THE FOLLOWING

1 POWER FAILURE

Keep opening and closing of the door to a minimum.
Avoid placing new items in the cooler as this will raise the temperature inside the compartment.

2 WHEN NOT USED FOR A LONG PERIOD

Remove all items from the compartment and disconnect the power cord plug from the wall outlet.
Clean the compartment interior and wipe away all water.
To prevent mold formation and bad smell, leave the door open to dry the compartment completely.

3 TRANSPORTATION

Disconnect the power cord plug from the wall outlet.
When moving the cooler, make sure that the feet do not damage the power cord.
Do not let the feet hit against floor steps, thresholds, etc.

4 TEMPORARY STORAGE

Affix a piece of wood, etc. Between the door and main unit to prevent complete closing of the door.
Make sure not to store the unused cooler at a location where children play.
Should a child enter the compartment and the door is closed, the child may not be able to open the door from the inside.

INSTRUCTION MANUAL

BEFORE REQUESTING SERVICE

Please check the following items if you encounter problems with the unit. If the problem continues after taking the proper remedial actions, disconnect the power cord plug from the wall outlet.
Transfer the items stored in the cooler to a box or other container. Then contact the dealer from whom you purchased this unit and be ready to provide information as listed in "REQUIRED INFORMATION" below.

CAUTION

To prevent any electrical shock hazards, do not disconnect the power cord plug from the wall outlet with wet hands.

BEFORE REQUESTING SERVICE

No refrigeration at all	● Is the power supply interrupted? ● Is the power cord plug disconnected from the wall outlet? ● Are the shop's power fuses blown and/or the circuit breaker activated?
Inadequate refrigeration	● Is the temperature setting appropriate? ● Are items obstructing the cold air inlet and suction outlet? ● Are stored items packed too tight? ● Is the door open or is it opened and closed frequently? ● Is the condenser clogged?
Excessive noise	● Are all feet in firm contact with the floor? ● Is the rear panel of the cooler contacting the wall or other objects? ● Are other objects in contact with the cooler?
Condensation on cooler exterior	● Condensation may condense on the exterior and door during hot and humid days or depending on the place of installation. This occurs when the humidity is high and water particles in the air contact cold surfaces. This is normal.wipe away condensation with a dry cloth.

Showcase sometimes stop running when thermostat turns off.

INSTRUCTION MANUAL

REQUIRED INFORMATION

1. Nature of malfunction (as accurately as possible)
2. Product number — ON RATING LABEL ON CARTON
3. Serial number — ON RATING LABEL ON CARTON
4. Customer's name, address, phone number
5. Year and date of purchase
6. Desired date for service visit

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