



MERCHANDISER REFRIGERATORS AND FREEZERS USER MANUAL



Models: BRM-1D, BRM-2D, BRM-3D, BFM-1D, BFM-2D, BFM-3D

Please read this manual thoroughly prior to equipment setup, operation and maintenance.



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Warnings

- To minimize shock and fire hazards, be sure not to overload the outlet. One outlet should be designated for the unit only.
- Do not use extension cords.
- Do not put your hands under the unit when moving.
- When the unit is not being used for an extended period, unplug the unit from the outlet.
- After unplugging the unit, wait at least 10 minutes before re-plugging it. Failure to wait for the allotted time may cause damage to the compressor.
- To minimize shock and/or fire hazards, be sure not to plug or unplug the unit with wet hands.
- Before any maintenance or cleaning, unplug the unit as a precaution.
- To minimize shock and fire hazards, make sure that the unit is properly grounded.
- Do not attempt to remove or repair any component.
- Make sure that the unit is not resting on or against the electrical cord or plug.
- Do not hang or lean against the door as this may cause personal injury or damage to the door hinge.
- Do not store any flammable and/or explosive gas or liquids inside the unit.
- Do not attempt to alter or tamper with the electrical cord.

Installation

- If the unit has recently been transported, do not use it for a minimum of 24 hours before installation.
- After 24 hours make sure that the unit is at the desired temperature before loading it with product.
- Ensure that the unit will have proper ventilation in the area that it will operate.
- Inspect the unit and verify all accessories (shelves, shelf clips, casters) are equipped with the unit before proceeding with installation.
- Review the entire manual in its entirety. Lack of maintenance or misuse of the unit will void the warranty.

Cabinet Location Guidelines

- Install the unit on a flat sturdy surface
- Unit may make abnormal noises if surface is uneven
- Unit may malfunction if surface is uneven
- Install the unit in an indoor, well-ventilated area
- Unit performs more efficiently in a well-ventilated area
- Maintain a clearance of at least 4" for the back of the unit
- Avoid installing the unit in a high humidity and or dusty area
- Exposure to humidity may cause the unit to rust and/or decrease the efficiency of the unit.
- Dust buildup on the condenser coil will cause the unit to malfunction. Clean the condenser at least once a month with a brush or clean cloth. Neglect of maintenance will void the warranty.
- Select a location away from heat and moisture generating equipment
- High ambient temperatures will cause the compressor to overcompensate, leading to higher energy bills and eventual breakdown of the unit.
- Malfunction due to high temperatures will void the warranty.

Electrical

Please ensure that the required voltage of the compressor is always constant. Low or high voltage can detrimentally affect the unit and thereby will void the warranty.

- All units should be plugged into a grounded and properly sized electrical outlet with appropriate over-current protection.
- Refer to the electrical requirements on the serial tag located inside the unit.
- Make sure that the unit has its own dedicated outlet.
- Do not use an extension cord.

Loading Product

Before loading shelves with products, ensure that all shelf clips are completely fastened in their correct locations.

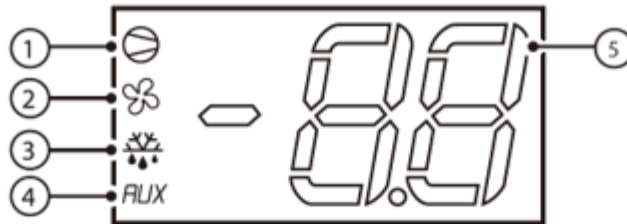
- All shelves should be completely level before stocking the cabinet with product.
- To maintain correct air flow inside the unit, keep at least 2" to 4" of space between the back wall and the product.
- Blocking the evaporator fans may cause a warmer cabinet temperature and cause damage to the compressor.

Temperature Control Display

Display and Functions

During normal operation, the controller displays the ambient temperature. In addition, the display has LEDs that indicate the activation of the control functions (see Table 1), while the three buttons can be used to activate / deactivate some of these functions.

LEDs and associated functions



index	function	normal operation			Start up
		ON	OFF	blink	
1	compressor	on	off	request	on
2	fan	on	off	request	on
3	defrost	on	off	request	on
4	aux	output on	output off	-	on
5	digit	2 digit LED display with sign (-99 to 99) and decimal point			

Table.1

Table of functions activated by the buttons



button	normal operation		start up	
	pressing the button alone	pressed together		
	more than 3 s: toggle ON/OFF	pressed together display defrost probe temp.		
	more than 3 s: start/stop defrost		Pressed together	For 1 s: display firmware verse. code
	1 s: display/set the set point More than 3 s: access parameter setting menu (enter pass-word "22")		start parameter reset procedure	





Table.2

Temperature Control Display (continued)

Fixed settings

- Minimum compressor ON time is 1 minute;
- If there is no defrost relay, the compressor will be shut down for defrost;
- Freeze the display when defrost, it returns when the temperature reaches the set point;
- Alarm is bypassed 1 hour after defrost;

Setting the set point (desired temperature)

- press  for 1 s, the set value will start flashing after a few moments;
- increase or decrease the value using  or  ;
- press  to confirm the new value.

Switching the device ON/OFF

press  for more than 3 s. The control and defrost algorithms are now disabled and the instrument displays the message "OFF" alternating with the temperature read by the set probe.







Manual defrost (only for models C/Y)

press down  for DOWN more than 3 s (the defrost starts only the temperature conditions are valid).

Show defrost probe temperature(only for models C/Y)

press  and  together.

Access and setting type F (frequent) and type C (configuration) parameters

- press  for 3 s (the display will show "PS");
- to access the type F and C parameter menu, enter the password "22" using  /  ;
- to access the F parameter menu only, press  (without entering the password);
- scroll inside the parameter menu using  / .

To display/set the values of the parameter displayed, press , then  /  and finally to confirm the changes (returning to the parameter menu).

To save all the new values and exit the parameter menu, press  for 3 s;

To exit the menu without saving the changed values (exit by timeout) do not press any button for at least 60 s.








Display and functions

During normal operation, the controller displays the ambient temperature. In addition, the display has LEDs that indicate the activation of the control functions (see Table 1), while the 3 buttons can be used to activate/deactivate some of the functions (see Table 2).

Temperature Control Display (continued)

Alarms

Table of alarms

Alarm code		LED	Description	Parameters involved
E0		ON	probe 1 error – control	-
E1(°)		ON	probe 2 error – defrost	[gdo = 0 / 1]
do(°)		ON	open door alarm	
Lo		ON	low temperature alarm	[AL] [Ad][Ac]
Hi		ON	high temperature alarm	[AH] [Ad][Ac]
EE		ON	unit parameter error	-
EF		ON	operating parameter error	

Regular Maintenance

Cleaning Condenser

- For efficient operation, it is important that the condenser surface be kept free of dust, dirt, and lint.
- We recommend cleaning the condenser coil and fins at least once per month.
- Clean with a commercial condenser coil cleaner, available from any kitchen equipment retailer.
- Brush the condenser fins from top to bottom, not side to side.
- After cleaning, straighten any bent condenser fins with a fin comb.

Cleaning the Fans and Motor

If necessary, clean the fan blades and motor with a soft cloth. If it is necessary to wash the fan blades, cover the fan motor to prevent moisture damage.

Cleaning the Interior of Unit

- When cleaning the cabinet interior, use a solvent of warm water and mild soap.
- Do not use steel wool, caustic soap, abrasive cleaners, or bleach that may damage the surface.
- Wash door gaskets on a regular basis, preferably weekly. Simply remove door gasket from the frame of the door, soak in warm water and soap for thirty (30) minutes, dry with soft cloth, and replace.
- Check door gaskets for proper seal after they are replaced.
- Periodically remove the shelves from the unit and clean them with mild soap and warm water.

Troubleshooting

Fault	Probable Cause	Action
The appliance is not working	The unit is not switched on	Check that the unit is plugged in correctly and switched on
	Plug and/or lead are damaged	Call our agent or qualified technician
	Power supply	Check power supply
	Internal wiring fault	Call our agent or qualified technician
The appliance turns on, but the temperature is too high/low	Too much ice on the evaporator	Defrost the appliance
	Condenser blocked with dust	Clean the condenser thoroughly
	The door is not shut properly	Check that the door is <u>shut</u> and seals are not damaged
	Appliance is located near a heat source, or air flow to the condenser is blocked	Move the refrigerator to a more suitable location
	Ambient temperature is too high	Increase ventilation or move appliance to a cooler position
	Unsuitable foodstuffs are being stored in the appliance	Remove any excessive hot foodstuffs or blockages to the fan
	Appliance is overloaded	Reduce the amount of food stored in the appliance
The appliance is leaking water (Refrigerator)	The appliance is not properly levelled	Adjust the screw feet to level the appliance
	The discharge outlet is blocked	Clear the discharge outlet
	The water container is damaged	Call our agent or qualified technician
The appliance is unusually loud	Loose nut/ screw	Check and tighten all nuts and screws
	The appliance has not been installed in a level or stable position	Check installation position and change if necessary

WARRANTY



ONE YEAR WARRANTY

Berg warrants to the original purchaser of this unit, the unit cabinet and all parts thereof, to be free from defects in material and workmanship, under normal conditions of use and maintenance, for a period of one (1) year from the date of original purchase.

Any parts covered by this warranty that are examined and determined to have been defective within one (1) year of original purchase shall be repaired or replaced as stated below. Berg shall be deemed to have fully complied with its obligation under the foregoing warranties by electing either one of the following procedures:

1. Furnishing necessary replacement parts, freight collect, in even exchange for the returned part, freight collect.
2. Receiving the defective part, freight collect; repairing it; and returning it, freight collect. Valid only in the contiguous United States.

ADDITIONAL FIVE YEAR COMPRESSOR PART WARRANTY

In addition to the (1) one year warranty stated above, Berg warrants that the hermetically and semi-hermetically sealed compressor parts to be free from defects in both material and workmanship under normal use and maintenance for a period of five (5) years from the date of original purchase. Valid only in the contiguous United States.

Compressors determined to have been defective within this extended time period will be either repaired or replaced with a compressor or compressor parts of similar design and capacity.

The five (5) year compressor warranty applies only to hermetically and semi-hermetically sealed parts of the compressor and does not apply to any other parts or components, including, but not limited to, cabinet, paint finish, temperature control, refrigerant, metering device, driers, motor starting equipment, fan assembly, any other electrical component, etc.

COVERAGE LIMITATIONS

WHAT IS NOT COVERED BY THIS WARRANTY

- Failure to install and/or use equipment within proper and intended operating conditions. This includes but is not limited to residential or outdoor applications.
- Issues related to improper installation. Issues related to the installation are the responsibility of the installer.
- Any adjustments necessitated by improper operating conditions.
- Failure to properly maintain the unit including all preventive maintenance and cleaning.
- Installation in non-commercial or residential applications. This product is a commercial brand intended to be installed in a commercial setting.
- Equipment sold or used outside of the contiguous United States, equipment purchased second-hand, equipment sold by an unauthorized reseller, and equipment expressly sold without warranty coverage.
- Equipment without a valid serial number and proof of purchase, or other way to verify coverage.
- Equipment that has not been used appropriately or was subject to misuse, neglect, abuse, accident, alteration, negligence, damage during transit, delivery or installation, fire, flood, or an act of God.
- Equipment that has been installed, altered, modified, or repaired by anyone other than an authorized service agency outside of preventative maintenance and cleaning.

Parts deemed to be normal wear and tear parts, including door gaskets and select plastic or rubber components.

EXCLUSIONS TO THE ONE (1) YEAR PARTS AND LABOR WARRANTY:

Drawers on prep and chef base models will have one (1) year parts and labor. Countertop merchandisers will have a one (1) year limited warranty

This warranty is only valid for straight time labor rates, and does not cover overtime, holiday or off-hour and weekend rates. We reserve the right to deny coverage after a service technician is on site based on the above exclusions. Not responsible for service charges incurred on non-warranty matters.

To Obtain Warranty Service, call 888-585-9440



OUTSIDE OF THE CONTIGUOUS UNITED STATES WARRANTY

Products sold in Alaska, Hawaii, other US territories outside of the Contiguous United States, and Canada shall be backed by replacement coverage on items that can ship via normal parcel shipping, excluding the cost of shipping and any applicable duties, taxes, and fees. Items that must ship LTL/common carrier will be provided replacement parts, excluding labor costs, or reimbursed in the form of store credit for the value of the item only, excluding all applicable shipping costs, duties, taxes, and fees, at the place of purchase following appropriate troubleshooting steps.

THE FOREGOING WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING BUT NOT LIMITED TO ANY REPRESENTATION OF PERFORMANCE AND ANY IMPLIED WARRANTIES OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO OTHER WARRANTIES ARE AUTHORIZED ON BEHALF OF BERG UNLESS SPECIFICALLY ISSUED BY BERG.

BERG shall have no liability for incidental or consequential losses, damages including, without limitation or expenses, loss of sale, spoiled food, profits, or goodwill claims whether or not on account of refrigeration failure or punitive or exemplary damages directly or indirectly arising from the sale, handling or use of the Equipment or from any other cause relating thereto, whether arising in contract, tort, warranty, strict liability or otherwise. BERG's liability hereunder in any case is expressly limited, at BERG's election, to repair or replacement of, or crediting the user with, an amount equal to the purchase price of such goods.

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