



BDDRF-350

Glass Door Display Refrigerator Instruction Manual

This manual contains important information regarding your unit. Please read this manual thoroughly prior to equipment set-up, operation, and maintenance. Failure to comply with regular maintenance guidelines outlined in this manual may void the warranty.

IMPORTANT SAFEGUARDS

Please pay close attention to the safety notices in this section. Disregarding these notices may lead to serious injury and/or damage to the unit.



WARNING

DANGER:

- Risk of fire or explosion.
- Flammable refrigerant R290 used.
- To be repaired only by trained service personnel.
- **DO NOT** use mechanical devices to defrost refrigerator.
- **DO NOT** puncture refrigerant tubing.
- **DO NOT** pierce or burn.
- **DO NOT** store in a room with continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).

ATTENTION

- 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.
- **DO NOT** allow children to play with unit.
- **DO NOT** leave children unattended with unit, adult supervision required.
- **DO NOT** hang from the door.
- **DO NOT** use this unit for anything other than intended use.
- **DO NOT** overload outlet, to minimize shock and fire hazards.
- **DO NOT** spray the unit with water.
- **DO NOT** attempt to remove or repair any component.
- **DO NOT** attempt to alter or tamper with the electrical cord.
 - * If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- **DO NOT** rest unit on or against the electrical cord or plug.
- **DO NOT** operate any electrical appliances inside the refrigerator or freezer.
- **WARNING:** Do not place bottles (glass or plastic) containing liquids (especially effervescent liquids) into the freezer as they could cause the bottle to burst during freezing.
- **WARNING:** Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- **DO NOT** damage the refrigerant circuit.
 - * In the event that the refrigerant circuit is damaged, avoid open flames or ignition sources and ventilate the room in which the unit is placed - **DO NOT** use the appliance until you have been advised to do so by a service engineer.
- **DO NOT** store any flammable and explosive gas or liquids inside the unit.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- **DO NOT** attempt to repair or replace any part of this unit unless specifically recommended in this manual. All other servicing should be referred to a qualified technician.
- **PROPER GROUNDING REQUIRED:** To minimize shock and fire hazards, make sure that the unit is properly grounded.
- Ensure that the required voltage of the compressor is constant at all times. Low or high voltage can detrimentally affect the unit and there by void its warranty.
- **DO NOT** plug or unplug the cord with wet hands, to minimize shock and fire hazards
 - * After unplugging the unit, wait at least 10 minutes before re-plugging it. Failure to wait the allotted time may cause damage to the compressor.

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- **DO NOT** plug this appliance into an extension lead.
- **DO NOT** use old or damaged power supply cables.
- **DO NOT** twist, bend or trap the cable. Cables should also be kept clear of heat sources.
- **DO NOT** set the temperature out of the recommended temperature range: 32°F-43°F

DISPOSAL

- **DO NOT** dispose of this appliance with household waste.
- Dispose of properly in accordance with Federal or local regulations.
- Your old appliances contain insulation gases and refrigerant that must be disposed of properly.
- Refer to local regulations regarding disposal of the appliance for its flammable gas.
- Before you scrap the appliance, please take off the doors to prevent children from being trapped.
- If this appliance is to replace an old one equipped with a lock, break or remove the lock as a safety measure to avoid children becoming trapped inside.

SPECIFICATIONS

MODEL	BDDRF-350	DIMENSIONS (INCHES)	25.50" x 31.70" x 57.00"
CAPACITY	12 cu. ft (350 L)	UNIT WEIGHT (LBS)	298
VOLTAGE	110-120V	PLUG TYPE	NEMA 5-15P
WATTAGE	355W	CORD LENGTH	50"
AMPS	3.3A	RECOMMENDED TEMPERATURE RANGE (F)	32° - 43°

INSTALLATION WARNINGS:

- The appliance shall be installed in accordance with national wiring regulations
- The appliance is to be installed in accordance with the Safety Standard for Refrigeration Systems, ANSI/ASHRAE 15.

Notice:

- * Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.
- * Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
- * Component parts shall be replaced with like components so as to minimize the risk of possible ignition due to incorrect parts.
- **DO NOT** block air outlets.
- **DO NOT** block the suction/air intake vents.
- These vents allow air to be sucked in and cold air to be circulated inside the refrigerator.
- **DO NOT** place the unit next to ovens, grills or other sources of high heat.
- **DO NOT** use an extension cord. This unit must be plugged directly into an outlet.
- If the unit has recently been transported, **WAIT 2 HOURS** before installing.
- Ensure 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 to 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.

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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 inches (10 cm) for the back of the unit
 - * Outdoor use may cause decreased performance and may damage 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 build up 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 break down of the unit.
 - * Malfunction due to high temperatures will void the warranty.

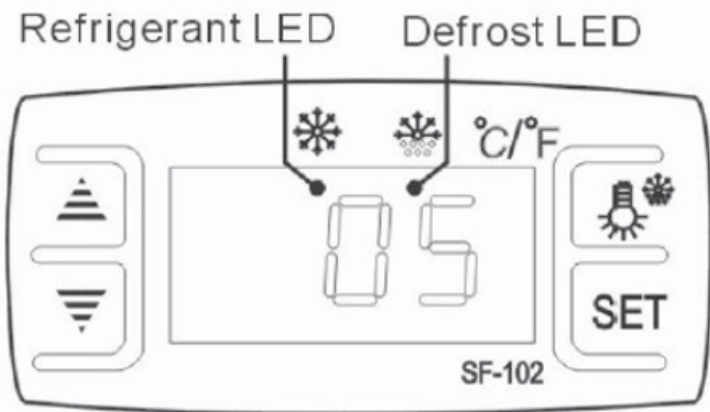
INSTALLATION:

1. Remove unit from box and make sure all plastic, tape and packaging materials are removed.
2. Place the unit on a flat, secure surface with at least 4 inches (10 cm) of space around all sides.
3. Place the unit in an area that is not in direct sunlight or any other sources of heat.
4. Wait 2 hours before connecting to a power source.
5. Adjust the rack height for proper food storage
6. Plug the refrigerator into a 110-120V exclusive outlet.

LOADING THE REFRIGERATOR

- Cool hot food to room temperature before placing in refrigerator
- Ensure maximum load on shelf does not exceed 39 lbs
- Do not overcrowd the refrigerator as this will decrease efficiency
- Adjust racks to proper height for food storage

CONTROL PANEL & FUNCTIONS

	<ul style="list-style-type: none">• Temperature Display• Temperature Control• Manual and Automatic Defrost• Lighting Control• Value Storing• Self-Testing• Parameter Locking
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DIGITAL CONTROLS

SET TEMPERATURE:	<ol style="list-style-type: none"> 1. Press "SET" button to display the current temperature 2. Press the up ▲ or down ▼ arrow to set the temperature desired 3. Press "SET" again to save settings
LIGHTING	<ul style="list-style-type: none"> • Press "light bulb" button to turn lights on and off
MANUAL DEFROST	<ul style="list-style-type: none"> • Press "light bulb" button and hold for 6 seconds to start and stop defrost cycle
REFRIGERANT LED LIGHT	<ul style="list-style-type: none"> • During refrigeration, the LED light will turn on • When temperature is constant, the LED light will be off • During delay start, the LED light will flash
DEFROST LED LIGHT	<ul style="list-style-type: none"> • During defrosting, the LED light will turn on • When defrosting is complete the LED light will turn off • During delay display of the defrost cycle, the LED light will flash
DIGITAL CONTROLLER RESET	<ul style="list-style-type: none"> • If display shows "Disorder", press the down arrow for 2 seconds until the buzzer rings • Quickly press the up arrow for 6 seconds until the buzzer rings again • The display will flash for 3 seconds and then restore to factory settings

REGULAR MAINTENANCE

- **NEVER** clean refrigerator parts with flammable fluids. These fumes can create a fire hazard or explosion.
- **UNPLUG UNIT BEFORE** maintenance and cleaning.
- When the unit will not be in use for a long period of time, disconnect the power first, then clean it.

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.

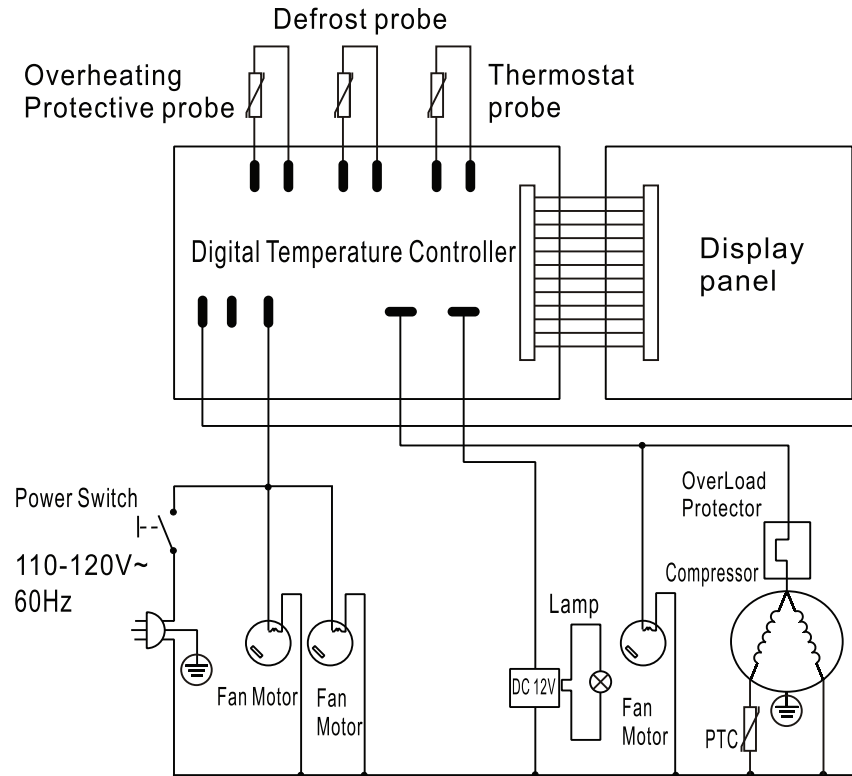
CLEANING THE INTERIOR OF UNIT:

- 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 stainless steel surface.
- Remove racks/shelving before cleaning.
- We recommend cleaning the cabinet once a week

CLEANING THE EXTERIOR OF UNIT:

- When cleaning the cabinet exterior, use a solvent of warm water and mild soap
- Do not use steel wool, caustic soap, abrasive cleaners, or bleach that may damage the stainless steel surface
- We recommend cleaning the cabinet once a week

WIRING DIAGRAM



TROUBLE SHOOTING

- Before requesting any service on your unit, please check the following points. Please note that this guide serves only as a reference for solutions to common problems.

ISSUE	POSSIBLE CAUSE	SOLUTION
High cabinet temperature	Insufficient refrigerant	Refill refrigerant
	Cabinet is overloaded	Remove some of the contents
	Thermostat set too high	Set thermostat to a lower Temperature
	Contents are blocking the air suction or outlet	Move contents away from outlet
	High ambient room temperature or humidity	Lower the room temperature and remove humidity
	Insufficient ventilation around unit	Ensure there is adequate space on all sides of unit
	Damaged door seal	Replace seal
Flooding	Damaged heating pipe	Replace pipe
	Water-level controller failure	Replace water-level controller
	High ambient room temperature or humidity	Lower the room temperature and remove humidity
Not Cooling	Unit turned off	Power on
	Defrosting	Stop defrosting process
	Refrigerant leak	Fix leak & refill refrigerant
	Unit failure	Call for service
Noisy Cabinet	Unit is not level	Level Unit
	Unit is in contact with wall or other surrounds	Move unit away from wall and ensure there is adequate space on all sides.
	Loose part	Identify and tighten loose part

NOTE:

- The murmur of water will be heard when the refrigerator is operational. This is the sound of coolant circulating throughout the system and is expected.

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REFRIGERATION WARRANTY

ONE-YEAR LIMITED WARRANTY

Admiral Craft Equipment Limited Warranty, One (1) Year Parts and Labor + One (1) Year Compressor and Evaporator Pan.

Admiral Craft Equipment Corp. (ACE) warrants its equipment against defects in materials and workmanship, subject to the following conditions:

- ACE Equipment is warranted for one year, effective from the date of purchase by the original owner. A copy of the original receipt or other proof of purchase is required to obtain warranty coverage. This warranty applies to the original owner only and is not assignable.
- Should any product fail to function in its intended manner under normal use within the limits defined in this warranty, at ACE's discretion, such product will be repaired, replaced with a refurbished unit, or replaced with a new unit by ACE, after defective unit has been inspected and defect has been confirmed.

THE FOLLOWING CONDITIONS ARE NOT COVERED BY THIS WARRANTY:

- Equipment failure relating to improper installation, improper utility connection or supply and problems due to improper ventilation.
- Equipment that has not properly been maintained, damage from improper cleaning, and water damage to controls.
- Equipment that has not been used in an appropriate manner, or has been subject to misuse, neglect, abuse, accident, alteration, negligence, damage during transit, delivery or installation, fire, flood, riot, or act of God.
- Equipment that has the model number or serial number removed or altered.
- Equipment on which the security seal has been broken.

ACE does not assume any liability for extended delays in replacing any item beyond its control. This warranty does not apply to rubber and non-metallic synthetic parts that may need to be replaced due to normal usage, wear, or lack of preventative maintenance.

This warranty covers products shipped into the 48 contiguous United States, Hawaii, and metropolitan areas of Alaska and Canada. Warranty coverage on products used outside the 48 contiguous United States, Hawaii and metropolitan areas of Alaska and Canada may vary. Contact ACE for details at 1-877-672-7740.

If the equipment has been changed, altered, modified, or repaired without express written permission from ACE, then the manufacturer shall not be liable for any damages to any person or to any property, which may result from the use of this equipment thereafter. This equipment is intended for commercial use only and this warranty is void if equipment is used in other than a commercial application.

WARRANTY CLAIMS & SERVICE

For warranty and non-warranty related issues please call ACE at 1-877-672-7740 to speak to technical support.

- When calling please have your model number, serial number, and proof of purchase ready.
- To purchase replacement parts, receive online technical support or fill out a warranty claim visit www.admiralcraft.com
- It is not necessary to contact the place where you originally purchased your product from.

"THE FOREGOING WARRANTY IS IN LIEU OF ANY AND ALL WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSES AND CONSTITUTES THE ENTIRE LIABILITY OF ACE. IN NO EVENT DOES THE LIMITED WARRANTY EXTEND BEYOND THE TERMS STATED HEREIN."

Admiral Craft Equipment Corp. (ACE) reserves the exclusive rights to change or modify this warranty statement or any part herein at any time without prior notice.