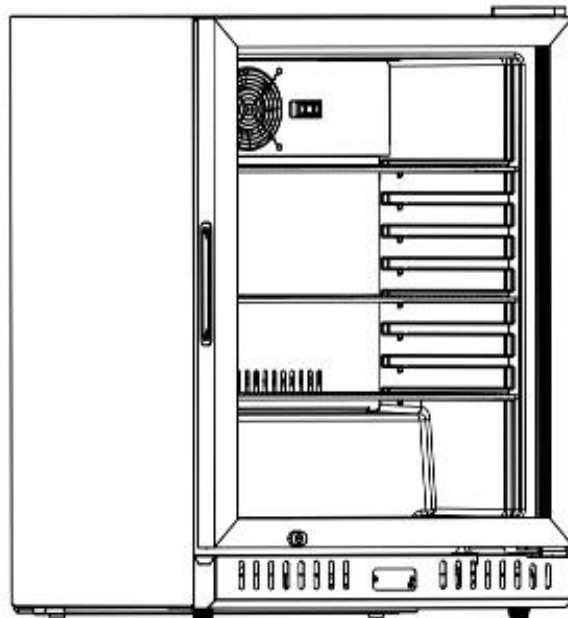




COUNTERTOP MERCHANDISER FREEZER USER MANUAL



MODEL #: SD-99

Please read this manual completely before operating the merchandiser

1. SAFETY PRECAUTIONS




- The purpose of the safety precautions in this manual are to ensure safe and correct use of the unit to minimize risks that could cause serious damage and injury. The safety precautions are described in the WARNINGS and CAUTIONS.



WARNING: Improper handling of the unit could lead to death or serious injury.




CAUTION: Improper handling of the unit could also lead to serious results depending on the circumstances.



- Statements that start with an exclamation mark  contain information that should be strictly adhered to.
- After reading the manual store it in an easily accessible place where the user(s) of this merchandiser can easily find it.












WARNINGS

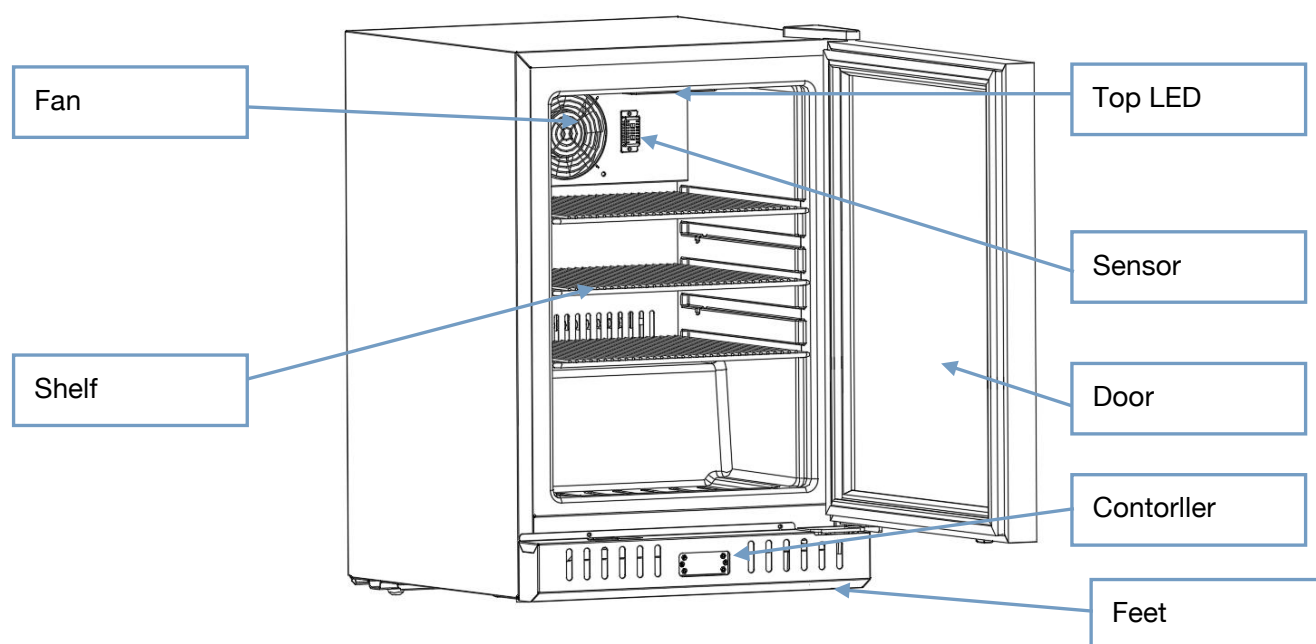
- (1)  Installation should be performed only by a qualified technician. Attempting to install the unit yourself could result in water leakage, refrigerant leakage, electrical shock, or fire.
- (2) All repairs, disassembly and modifications should be performed only by qualified technicians. Attempting to perform these yourself could result in a fire, malfunction, and injury.
- (3) Never splash water directly onto the merchandiser or wash with water as short-circuit and electrical leakage could result.
- (4) Never put flammable or volatile substances into the unit as an explosion or fire could result.
- (5) Do not damage, modify, excessively bend, strain, twist or bundle up the power cord. Do not place heavy objects on the power cord or squeeze it in a tight place that could damage it, possibly resulting in electrical shock or fire.
- (6) Use a dedicated wall outlet. Do not use extension cords or power strips as this could result in electrical shock, overheating or a fire.



- (7)  Never use a flammable spray or leave flammable substances near the unit. Sparks from electrical switches could result in an explosion or fire.
- (8)  The merchandiser is intended for storage and display of ice cream and packaged frozen products for sale. Do not use it for any other purpose than intended as this could adversely affect the items placed in the unit.
- (9) 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.
- (10) For indoor use only. Using the unit in a location exposed to rain could result in electrical leakage and electrical shock.
- (11) Never place heavy objects or items containing water on top of the unit. Objects could fall and cause injury and spilled water could deteriorate the insulation of electrical components and result in electrical shock.

- (12)  Install the unit in a location where the countertop/surface is sturdy enough to support the load of the unit. If the countertop/surface is not sturdy enough or installation is incorrectly performed, the unit could tip over and falling shelves and contents could cause personal injury.
- (13) If you find gas leakage, unplug the unit immediately, open the door for ventilation and contact a qualified technician for service.
- (14)  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.
- (15)  Keep away from hot air sources, cooling performance is reduced if the unit is placed near heat sources such as hot plates and ovens or if it is exposed to direct sunlight.
- (16)  Leave disassembly and disposal of the unit to qualified experts.
- (17)  Should the unit need temporary storage, make sure to store the unit in a location that is clean and dry.
- (18) Make sure there is more than 4" of space between the freezer and the wall. If there is less space freezing capacity can drop down.
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- (19) If installation in a damp location is unavoidable install an electrical leakage circuit breaker. If no electrical leakage circuit breaker is installed, electrical shock could result.
- (20) Never climb onto the unit. The unit could tip over or fall and cause material damage or injury.
- (21) 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.
- (22) Do not push hand against or apply excessive force to glass surfaces as the glass could break and cause injury.
- (23)  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.
- (24)  Make sure that the unit does not tip over or fall when it is moved. A falling unit could cause serious injury.
- (25) Do not throw items onto the shelves and do not overload the shelves with product. The shelf could fall and possibly cause injury.
- (26)  Be sure to attach and secure shelves correctly with the shelf clips. An improperly attached shelf could fall and cause injury.

2. TECHNICAL DATA AND PRODUCT PARTS



Model	SD-99
Dimensions (inch)	23.62" W x 20.55" D x 33.46" H
Interior Size (inch)	18.62" W x 13.50" D x 25.00" H
Volume	3.5 cu. ft
The temperature range	0~-10°F
Refrigerant	R290
Power supply	AC115V/60Hz
Power	280W
Current	2.4A
Accessory	Three shelves
Maximum shelf load bearing weight	Full shelf 33 lbs. Half shelf 22 lbs.
Net weight (lbs.)	119.05
Gross weight (lbs.)	123.46

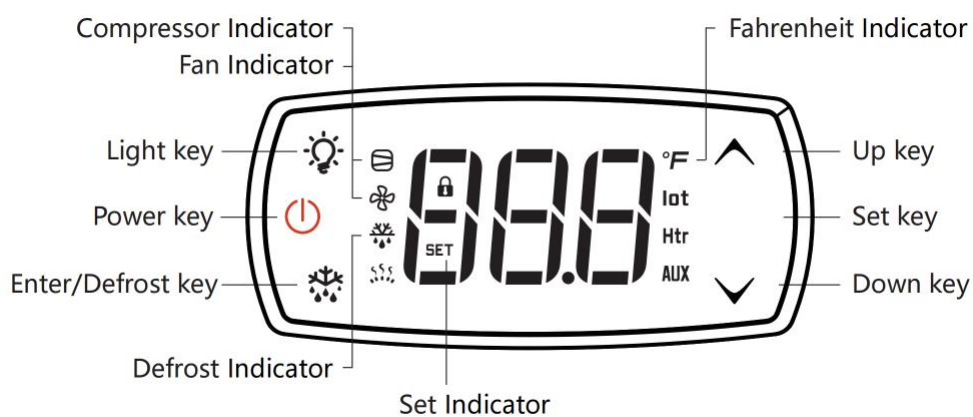
3. HOW TO USE






● BEFORE FIRST USE

- (1) Let the freezer sit for 12 hours before turning on.
- (2) The freezer is equipped with two adjustable feet in the front, to level, adjust the feet after placing the freezer in place.

- (3) Remove shipping package, tape, etc., and leave door open ventilate for a while.
- (4) The unit is cleaned before shipment. However, clean the cabinet after delivery with a damp cloth and then dry with a clean dry cloth.
- (5) Insert power supply plug into the wall outlet, single-phase.
- (6) Allow the unit to operate for at least 1.5 hour to cool the compartment before placing items in the merchandiser.
- (7) 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.

● CONTROLLER ICONS:



- (1) Press  key to turn the light on and off.
- (2) Press  key to check the temperature setting, the normal display will be restored after 1 second.
- (3) Adjust the temperature: press "SET" and hold for 3 seconds, until it shows "st", press one time "SET" to enter the temperature setting, it will show the current set temperature, press  to adjust the demanded temperature, then press Defrost key  to save the setting.
- (4) Press and hold  key for 3 seconds to manually start or stop the defrost.

● DRAIN TRAY

Defrosting is performed automatically for 25 minutes every 6 hours, drain water is collected in the drain tray. Water in the drain tray is evaporated automatically. In high humidity locations a large amount of water could accumulate in the drain tray, monitor daily and manually remove water from drain tray if needed.

● 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. Install the unit in the place which is well-ventilated.

- **SHELF HEIGHT ADJUSTMENT**

The shelf height can be adjusted, remove the shelf, and reinstall on one of the other guide rails to accommodate the product height.

- **PLACING ITEMS IN THE MERCHANDISER**

This merchandiser uses a forced circulation of cold air system. If the circulation of cold air is obstructed, the items will not be adequately refrigerated.

Follow the guidelines below:

- (1) Do not let items obstruct the cold air inlet and suction outlet.
- (2) Keep the items at least 1" away for the inner walls.
- (3) 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.
- (4) Place items evenly on all shelves.
- (5) Do not overload the shelves, refer to the maximum weight shown on the technical data chart.

4. CLEANING AND CHECKING



WARNING!

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

- 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 and dry with a clean cloth.



WARNING: Do not splash water directly onto the merchandiser and do not spray with water. Short-circuit and electrical shock could occur.

- Clean the merchandiser regularly.
- Never use polishing powder, soap powder, benzine, oil or hot water as these will damage the painted and plastic components.
- Perform the following checks after cleaning.
 - (1) Check that the power cord plug is firmly inserted into a dedicated wall outlet.
 - (2) Confirm that the plug is not abnormally hot.
 - (3) Check the power cord for cracks and damage. If the power cord has been damaged in any way it needs to be replaced by a qualified technician.

5. IN CASE OF THE FOLLOWING

- **POWER FAILURE**

Keep opening and closing of the door to a minimum.

Avoid constantly placing new warm items in the freezer as this will raise the temperature inside the compartment.

- **WHEN NOT USED FOR A LONG PERIOD**

Remove all items from the cabinet and disconnect the power cord plug from the wall outlet. Clean the cabinet interior and wipe away all water.

To prevent mold formation or a bad a smell leave the door open to dry the cabinet completely.

- **TRANSPORTATION**

Disconnect the power cord plug from the wall outlet.

When moving the merchandiser make sure that the power cord is held by hand or taped to the back of the merchandiser so that the power cord doesn't get wrapped around the feet/casters to avoid possible damage.

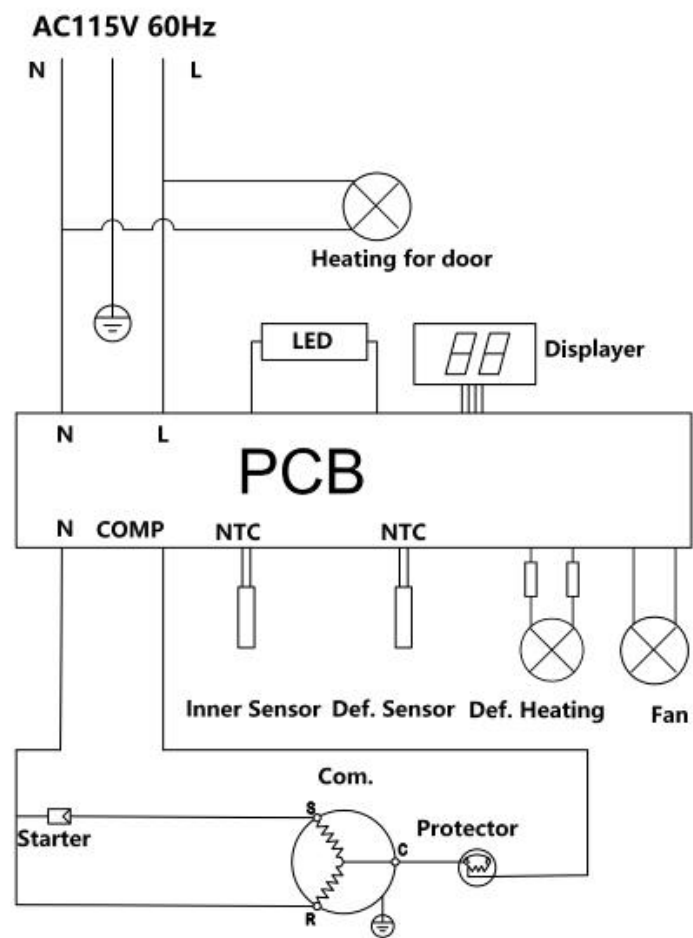
- **TEMPORARY STORAGE**

Place a piece of wood or plastic between the door and cabinet to prevent the door from completely closing so that the door cannot completely close when in storage for safety.

6. TROUBLE SHOOTING

No refrigeration at all	<ul style="list-style-type: none"> ● Has the power supply been interrupted? ● Is the power cord plug disconnected from the wall outlet? ● Are the building fuses blown and/or the circuit breaker activated?
Inadequate refrigeration	<ul style="list-style-type: none"> ● Is the temperature setting appropriate? ● Are items obstructing the cold air inlet or suction outlet? ● Is the product loaded too tight in the cabinet? ● Is the door open or is it being opened and closed frequently? ● Is the condenser clogged?
Excessive noise	<ul style="list-style-type: none"> ● Are the feet installed correctly on a level surface? ● Is the rear panel of the merchandiser contacting the wall or other objects? ● Are any other objects in contact with the sides of the merchandiser?
Condensation on exterior	<ul style="list-style-type: none"> ● Condensation may accumulate on the exterior and door during hot and humid days. 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. ● If the condensation happened often, please check if the heating element in the door is working or not.

7. CIRCUIT DIAGRAM



One Year Limited Warranty

Patriot warrants its equipment against defects in materials and workmanship, subject to the following conditions:

Patriot 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 Patriot's discretion, such product will be repaired, replaced with a refurbished unit, or replaced with a new unit by Patriot, after defective unit has been inspected and defect has been confirmed. Patriot 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.

The following conditions are not covered by 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.

If the equipment has been changed, altered, modified, or repaired without express written permission from Patriot, 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.

For warranty and service call 888-585-9440. Please have your model number, serial number and proof of purchase ready.

"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."