



**INSTRUCTIONS FOR INSTALLATION, USE &  
GENERAL MAINTENANCE OF YOUR GLASS AND  
SOLID DOOR COOLERS AND FREEZERS**



**THIS EQUIPMENT IS INTENDED FOR THE STORAGE AND DISPLAY OF POTENTIALLY  
HAZARDOUS, BOTTLED OR CANNED AND PACKAGED PRODUCTS ONLY**

**UPDATED SEPTEMBER 2016**



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# SAFETY INFORMATION

## SAFETY PRECAUTIONS

**WHEN USING ELECTRICAL EQUIPMENT, CERTAIN BASIC SAFETY PRECAUTIONS MUST BE OBSERVED, INCLUDING THE FOLLOWING:**

- This unit must be installed and located appropriately, following the installation instructions before its use.
- Do not allow children to climb, step or hang onto the shelves inside the cooler. That could damage the unit and cause serious injuries to them.
- Do not place your feet or step on the front grill.
- Do not touch the cold surfaces of the cooler with your hands wet or with moisture. The skin can stick to these cold surfaces.
- Do not store gasoline or other flammable liquids or gases, near this or other electrical equipment.
- Keep your fingers away from grills; the spaces between doors and cabinet are small, so be careful when closing doors when children are around.
- Unplug the cooler before cleaning or performing any repair.

### **NOTE**

*Service should be provided by a qualified technician.*

## INTRODUCTION

This manual contains instructions for installation, operation and general maintenance of your unit. It also includes a Troubleshooting Chart to diagnose problems along with corrective actions.

## CHECK FOR SHIPPING DAMAGE

Prior to leaving the factory, each cabinet is thoroughly inspected and performance tested up to 12 hours to assure proper operating temperatures.

**Check the crate thoroughly for signs of shipping damage.** If external damage exists, internal damage is also probable. Uncrating should be done while the carrier's representative is present. Otherwise, the equipment should be uncrated as soon as possible, preferably within five (5) days.

The manufacturer is not responsible for in-transit damage and the consignee must file any required damage claims directly with the carrier.

If the damage is severe and obvious, write a brief description of the evidence on the carrier's delivery receipt, and above the carrier representative's signature. Call the distributor or dealer immediately, indicating that the cabinet was damaged.

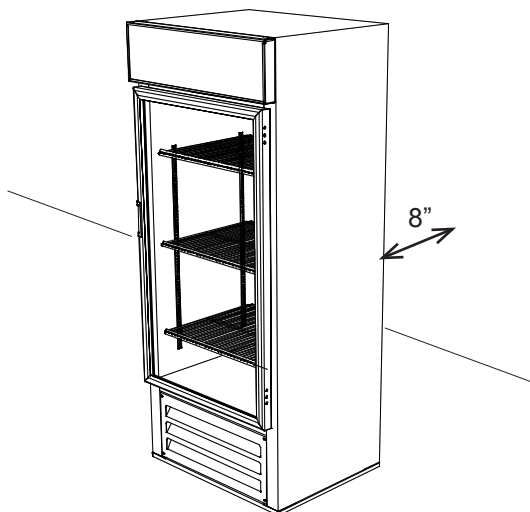
If no obvious crate damage is present, within two hours of receiving the cabinet from the carrier, remove the packaging to inspect for concealed damage.

1. If concealed damage is found, call the carrier immediately, **save all crating materials**, and file the necessary freight claim with the carrier.

**Check for accesories:** Check that the shelves are inside the refrigerator, including the four clips or supports for each shelf.

## WHERE TO LOCATE THE CABINET

1. Place the cabinet on a surface solid enough to prevent vibration and strong enough to support the combined weight of the cabinet and the product load. Quick guideline: Estimate 35 pounds per cubic foot of storage space.
2. Cabinets should never be placed in front of windows or glass doors where sunlight will be in direct contact with the units. If a cabinet is located near a window or glass door, provide an adequate shade to block the sun's rays.
3. Ambient temperature must be between 59°F and 86°F. Low ambient temperatures below 50° F are as harmful as high ambient temperatures. Extreme temperatures will definitely affect the performance of the cabinet.
4. Failure to properly level the cabinet could hinder proper drainage and door operation. If the floor is extremely uneven, shim the corners with thin sheets of metal (may also be used when optional casters have been included). Leveling legs are provided with the cabinets. Level the cabinet by using the adjustable portion of the leveling legs as needed. On page # 8 you will find instructions on how to install the leveling legs.
5. Clearance: Leave a space of at least 8" between the back of the cabinet and the wall to provide adequate air circulation of the unit compartment.
6. The cabinet base of this unit must be sealed to the floor with silicone.

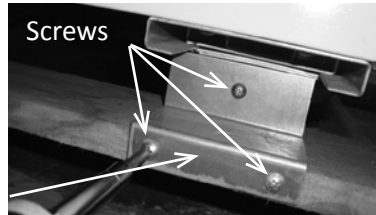
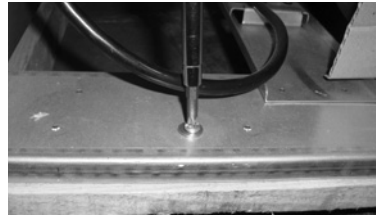


## REMOVE THE CRATE AND SKID

1. Remove the external packaging (corrugated board and plastic wrappings). Check for concealed damage. If any damage is identified, immediately forward a complaint to the transportation company.

2. Move the cooler the closest possible to its final location, before removing the skid.

3. Using a screwdriver remove the screws that fix the skid to the cooler, or metal supports if applicable.



Metal support

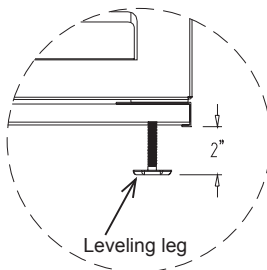
## INSTALL LEGS AND CASTERS


### To install the legs:


Heavy duty leveling legs are provided with some models so the cabinet may be leveled accurately and to allow room to clean beneath the cabinet.

Tilt the cabinet back just far enough to fit the front legs and place a block of wood or some similar support under it until both front legs are in. Then tilt the cabinet forward enough to install the rear legs.

After the legs are installed, level the cabinet by using the adjustable portion of the legs as needed. This is very important to insure proper draining and door operation.



 To lower, turn clockwise

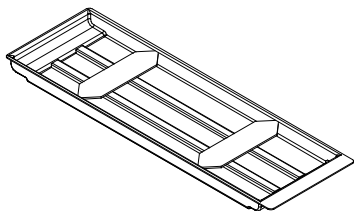
 To raise, turn counterclockwise

### To install casters:

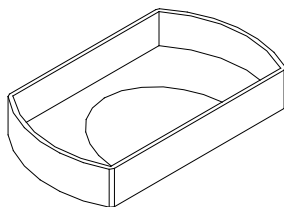
Castors are supplied as optional equipment. To install the casters, follow the directions for installing legs.

## CONDENSATE DISPOSAL SYSTEM

All units come equipped with non-electric evaporator pans located in the bottom of the cabinet in the condensing unit compartment. No additional plumbing installation is required.



Evaporator pan for freezers



Evaporator pan for refrigerators

## CONNECT THE CABINET TO PROPER ELECTRICAL POWER SUPPLY

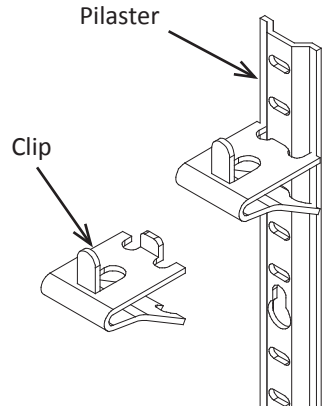
Each unit requires a dedicated circuit to prevent malfunction of the compressor and the electrical components. Each unit should be connected to its own circuit in accordance with National Electric Codes and local ordinances.



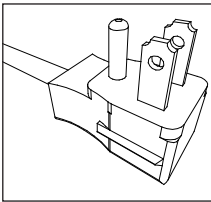


## START UP THE CABINET

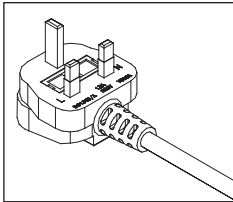
1. Shelves and shelf clips (4 clips per shelf) are packed inside the cabinet prior to shipment. After selecting the appropriate spacing inside the cabinet, install shelf clips by inserting top of clip inside the pilaster and then press the lower section of the clip while pushing inwards until it snaps into place. Repeat until all clips are in desired location. Place shelf on clips checking that all four corners of shelves are leveled and supported by the four shelf clips.



2. Plug in electrical power cord. Do not under any circumstance cut or remove the earthing pin from the power cord. Removal of earthing pin invalidates product warranty.



Round grounding  
prong used in USA



BS1363 used in  
UK & Ireland



CEE 7/5 used in Belgium,  
Greece, Poland, France,  
and Slovenia



AS 3112 Type  
I used in  
Australia



CEE 7/4 "F" used in Austria, Bosnia, Bulgaria,  
Estonia, Finland, Germany, Hungary, Italy,  
Portugal, Russia, Romania, Slovenia, Spain, and  
Turkey

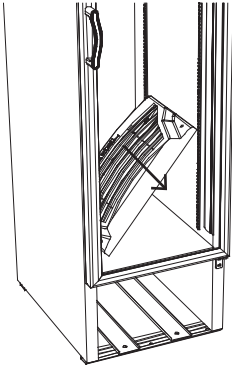


South Africa power  
cord type "M"

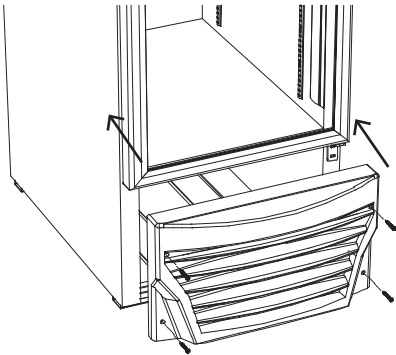
# INSTALLATION

## FRONT GRILLS

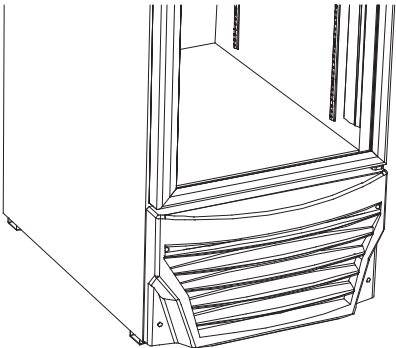
Some models have the front grill inside the cooler, to install it follow these instructions:



a. The front grill is shipped inside the cooler. Take it out from the cabinet.



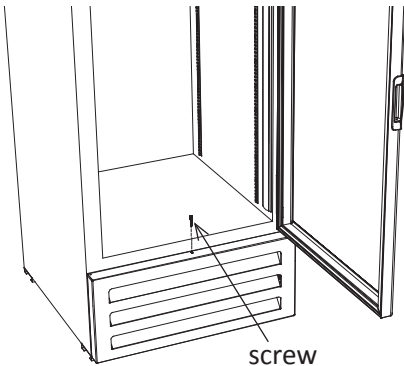
b. Use a Philips screw driver to secure the 4 screws that will hold the front grill to the cabinet.



c. The installed plastic front grill will look like this.

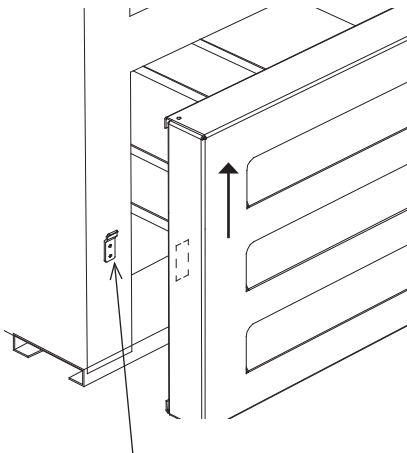
## INSTALLATION

Some models have a metal front grill installed, in this case to remove it follow these instructions:



a. Open the door 90°, approximately.

b. Use a Phillips screw driver to remove the screw on top of the front grill.



c. Lift gently the front grill until you free it from the clips fixed to the cabinet.

d. Remove the front grill.

Clip (one at each side)

## USE

### CONNECTION OF YOUR COOLER OR FREEZER TO THE ELECTRICAL SUPPLY

1. Plug in the electrical cord of the unit to a wall outlet, following the recommendations about electrical installation in this manual.
2. Let the cooler or freezer run with no product load for 2 hours, or let the compressor complete three on/off cycles to assure that the temperature inside is appropriate for the products, before loading them into the refrigerator.

The temperature of a cooler should be between 36°F to 41°F (2°C and 5°C)

The temperature of a freezer should be between 14°F to -10°F (-10 and -23°C)

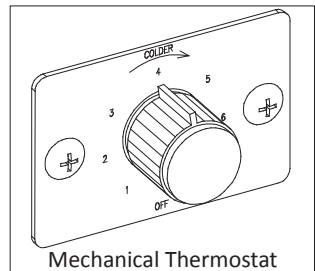
The temperature of a FROSTER unit should be under 32°F (0°C)

### USE OF YOUR COOLER OR FREEZER WITH MECHANICAL THERMOSTAT

The position of the knob for an appropriate cooling temperature, under normal conditions, is factory preset.

To increase cooling, move the knob to a higher number.

To decrease cooling, move the knob to a lower number.



### USE OF YOUR COOLER WITH CAREL ELECTRONIC THERMOSTAT

FOGEL coolers are provided with a versatile electronic thermostat that allows to cool different beverages, with temperatures down to 40°F (4°C), depending on the model.



To turn off the lights of the cooler press the light bulb symbol.

This unit has a controller to reduce energy consumption. When it detects that the door has not been opened for more than 3 hours, the lights will go off (if applicable) and the cooler will go automatically into “energy saving mode” by slightly increasing its inner operating temperature. In this manner, while your business is closed, you will save approximately up to 40 % in energy consumption.

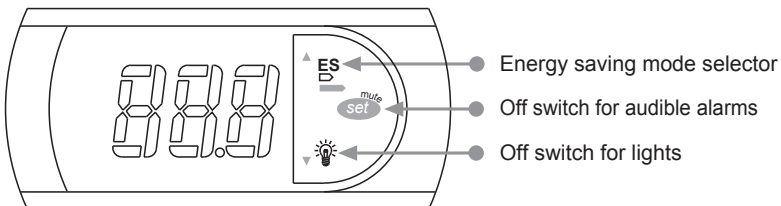
### **\*MANUAL ACTIVATION OF THE ENERGY SAVING MODE**

When closing our business, press gently the “ES” button for 5 seconds until the word ECO is displayed, which confirms that the energy saving mode has been activated.

Once activated, the lights will go off (if applicable) and the word ECO will remain on the display.

#### **\*NOTE:**

**These functions can be modified or eliminated according to the requirements to factory.**



**IN ORDER TO LEAVE THE ENERGY SAVING MODE, YOU ONLY NEED TO OPEN THE COOLER DOOR OR GENTLY PRESS THE “ES” BUTTON FOR 5 SECONDS.**

**AFTER OPERATING FOR 8 HOURS IN THE ENERGY SAVING MODE, THIS DEVICE WILL RETURN TO THE STANDARD OPERATING TEMPERATURE.**

## TEMPERATURE SELECTION

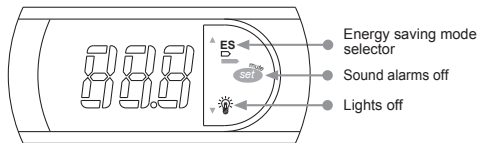
TEMPERATURE RANGE	TEMPERATURE MODE
+ 40°F to +48°F (+4°C to +8°C)	STANDARD TEMPERATURE MODE
+36.5°F to +44.5°F (+2.5°C to +6.5°C)	STANDARD TEMPERATURE MODE
+32°F to 40°F (0°C to +4°C)	STANDARD TEMPERATURE MODE

\* **NOTE:** THE TEMPERATURE RANGES CAN VARY ACCORDING TO THE PROGRAMMING REQUIREMENTS TO FACTORY.

**IF THE COOLER IS UNPLUGGED FROM THE POWER, THESE SAVINGS ARE LOST**

## CAREL ALARM INDICATORS

### ENERGY SAVING DISPLAY



If the display shows a number, the cooler is working in optimal conditions and no technical service is needed.

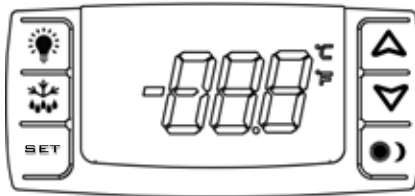
ALARM	INDICATES	WHAT TO DO?
<b>E0</b>	Ambient sensor failure	Report to service center
<b>E3</b>	Refrigeration system failure	Report to service center
<b>d0-</b>	Open door	Close door
<b>L0</b>	Low temperature alarm	Report to service center
<b>H1</b>	High temperature alarm	Report to service center

**Note:** The sound alarm can be turned off by pressing the red button "set mute" on the right side of the display.

**In case the alarm is not turned off by the actions suggested or you have any questions regarding the cooler performance, please contact the information and service center.**








## USE OF YOUR COOLER OR FREEZER WITH DIXELL ELECTRONIC THERMOSTAT

Your commercial Refrigerator or Freezer is manufactured with an electronic thermostat to control various functions of your unit, such as temperature, defrost cycles, alarms, etc.



### READING THE LEDS:

Each LED function is described in the following table:

LED	MODE	FUNCTION
	ON	Compressor enabled
	Flashing	Anti-short cycle delay enabled
	ON	Defrost enabled
	Flashing	* Drip time in progress
	ON	* Fans enabled
	Flashing	* Fans delay after defrost in progress
	ON	* An alarm is occurring

**\* Freezers only**

### TEMPERATURE SELECTION\*

	TEMPERATURE	ITEM
COOLER	+35°F to 39°F (+2°C to +4°C)	DIXELL XR40CX
FREEZER	-5°F to +5°F (-20.5°C to -15°C)	DIXELL XR60CX

***\*These temperatures may vary according to customer request.***

## HOW TO SEE THE SET POINT

1. The set point parameter is the temperature at which the compressor cuts out.
2. Push and immediately release the SET key: the display will show the set point value;
3. Push and immediately release the SET key or wait for 5 seconds to display the probe value again.

## HOW TO CHANGE THE SET POINT

1. Push the SET key for more than 5 seconds to change the SET point value;
2. The value of the set point will be displayed and the “C” or “F” LED starts blinking;
3. To change the Set value push the ▲ or ▼ arrows within 10 s.
4. To memorize the new set point value push the SET key again or wait 10 s.

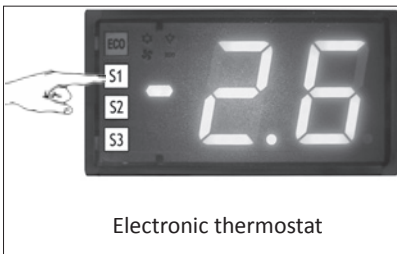
# DIXELL ALARM INDICATORS

MESSAGE	CAUSE
P1	Room probe failure
P2	Evaporator probe failure
HA	Maximum temperature alarm
LA	Minimum temperature alarm
EA	Door alarm



## USE OF YOUR COOLER, FREEZER OR FROSTER WITH COEL ELECTRONIC THERMOSTAT

Some models come with a versatile electronic thermostat that allows to cool beverages at different temperature ranges appropriate to the type of product. The electronic thermostat allows to select three temperature ranges with the three digital buttons (S1, S2 and S3), which are located on the digital display of the thermostat (see illustration).



To select the operation temperature of your cooler, slightly press for three seconds the button corresponding to the type of product that you will cool, according to the suggestions in the next section of this manual. You will hear an audible signal confirming that the selected button has been activated.

### TEMPERATURE SELECTION COOLERS

BUTTON	TEMPERATURE RANGE	PRODUCT SUGGESTION
ECO	42°F to 50°F (+6°C to 10°C)	ENERGY SAVING MODE
S1	37°F to 45°F (+3°C to +7°C)	COLD TEMPERATURE
S2	35°F to 43°F (+2°C to +6°C)	COLDER TEMPERATURE
S3	32°F to 40°F (0°C to +4°C)	THE COLDEST TEMPERATURE

### TEMPERATURE SELECTION FREEZERS USA\*

#### SOLID DOOR

BUTTON	TEMPERATURE RANGE	PRODUCT SUGGESTION
S1	+5°F to +15°F (-15°C to -9.4°C)	COLD TEMPERATURE
S2	0°F to +10°F (-18°C to -13°C)	COLDER TEMPERATURE
S3	-5°F to +5°F (-20.5°C to -15°C)	COLDEST TEMPERATURE

#### GLASS DOOR

BUTTON	TEMPERATURE RANGE	PRODUCT SUGGESTION
S1	0°F to +10°F (-18°C to -12.2°C)	COLD TEMPERATURE
S2	-5°F to +5°F (-20.5°C to -15°C)	COLDER TEMPERATURE
S3	-10°F to 0°F (-23°C to -18°C)	COLDEST TEMPERATURE

## TEMPERATURE SELECTION FREEZERS OTHERS\*

BUTTON	TEMPERATURE RANGE	PRODUCT SUGGESTION
S1	-10°F to 0°F (-23°C to -18°C)	GLASS DOOR FREEZER SOLID DOOR FREEZER
S2		
S3		

### \* IMPORTANT:

The Energy Saving Mode (ECO) does not apply for commercial freezers.

## TEMPERATURE SELECTION FROSTER\*

### FROSTER® - GLASS DOOR

BUTTON	TEMPERATURE RANGE	PRODUCT SUGGESTION
ECO	37°F to 45°F (+3°C to +7 °C)	ENERGY SAVING MODE
S1	32°F to 40°F (0°C to +4 °C)	All Beverages
S2	27°F to 34°F (-3°C to +1°C)	Bottled and/or Canned Beer
S3	25°F to 32°F (-4°C to 0°C)	FROSTER Setting for Bottled Beer

### FROSTER® - SOLID DOOR

BUTTON	TEMPERATURE RANGE	PRODUCT SUGGESTION
ECO	34°F to 41°F (+1°C to +5 °C)	ENERGY SAVING MODE
S1	27°F to 34°F (-3°C to +1 °C)	Bottled and/or Canned Beer
S2	21°F to 29°F (-6°C to -2°C)	Bottled Beer
S3	18°F to 25°F (-8°C to -4°C)	FROSTER Setting for Bottled Beer

\* These temperatures may vary according to customer request.

Please, see the label on your unit.

The electronic thermostat of your unit comes with a delayed start system to protect it against deficiencies of voltage and energy supply. When you turn on your freezer, the digital display will light and show the “od” alarm for 3 minutes. If the energy supply is appropriate, the unit will start its normal operation after 3 minutes.



## USE IMPORTANT

### ENERGY SAVING DEVICE.

This unit is equipped with an electronic device that reduces energy consumption. If the door remains closed for three hours, the lights shut off and the refrigerator automatically goes into “Energy Saving Mode”, slightly increasing the internal temperature. This mode allows you to save approximately up to 40% in energy consumption while the locale is closed.

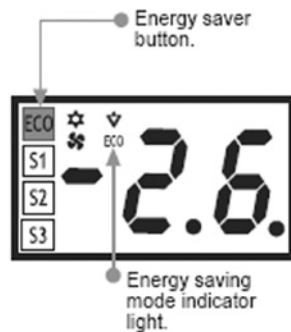
### NOTE:

**This function can be modified or eliminated according to the requirements to factory.**

### MANUALLY ACTIVATING THE ENERGY SAVING MODE.

When closing the locale, lightly press the ECO button on the digital screen for three seconds until you hear a beeping sound confirming that the energy saving mode is activated.

When the ECO feature is activated, the lights shut off and you will see the green ECO light illuminated on the digital display.

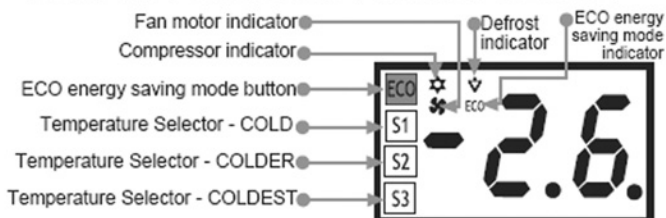


TO EXIT THE ENERGY SAVING MODE, SIMPLY OPEN THE DOOR OR PRESS THE ECO BUTTON FOR THREE SECONDS.

**IF YOU UNPLUG THIS UNIT, YOU WILL  
LOSE THE ENERGY SAVINGS.**

## USE

### DISPLAY FOR ENERGY SAVING DEVICE



If the digital screen is displaying numbers, the refrigerator is working properly, and no technical service is required.

ALARM	INDICATION	WHAT TO DO?
	Start delay in effect.	Wait until the compressor starts.
	High Temperature Alarm.	Report this alarm to technical service.
	Low Temperature Alarm.	Report this alarm to technical service.
	High Voltage Alarm	Wait until the energy supply has stabilized. If the problem persists, call the power company or a qualified electrician.
	Low Voltage Alarm	Wait until the energy supply has stabilized. If the problem persists, call the power company or a qualified electrician.
	Compressor running continuously for over 24 hours.	Report this alarm to technical service.
	Open Door Alarm. An audible alarm is activated after the door remains open for three minutes.	Close the door.

**Note:** The audible alarms can be shut off by pressing any of the four buttons on the left side of the digital display.

If the alarms are not eliminated after completing the suggested actions, please get in touch with customer service for technical assistance

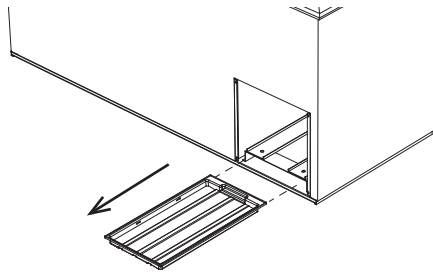
## USE

### DRAINAGE SYSTEM FOR HORIZONTAL COOLERS

#### EVAPORATOR DRAINAGE SYSTEM:

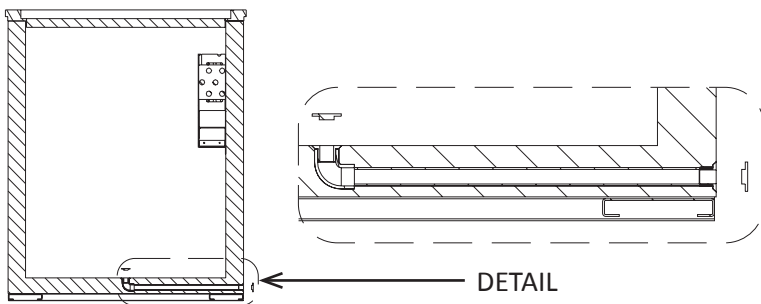
All horizontal coolers have a drain pan to receive the water from the defrost cycles of the evaporator, located under the condensing unit. It is necessary to remove this drain pan when close to be full, to avoid water spill on the floor of the shop. To remove the drain pan, first remove the front grill and then pull the drain pan out sliding it over its rail.

Make sure that the drain hose is correctly directed towards the drain pan, otherwise the water may go to the floor of your store.



#### INTERNAL DRAINAGE SYSTEM:

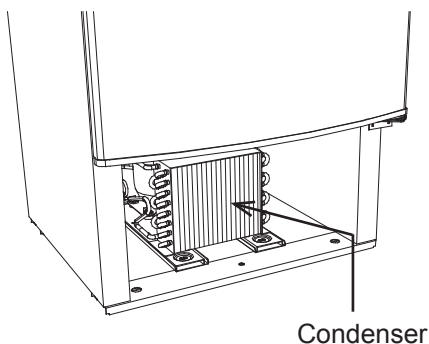
Your horizontal cooler has also a drain located in the inner bottom floor of the cabinet. When cleaning the interior of your cooler, make sure to remove the cap of the nozzle located on the exterior lower section of the cabinet. It is recommended to place a water collecting pan under the nozzle on the exterior, when cleaning the inside.



## CLEANING AND PREVENTIVE MAINTENANCE

Your unit requires very little maintenance. However, periodic cleaning can help prolong product life. Remember to disconnect the power source before cleaning. Remove all products and place them in another cooler.

1. Clean once a month the condenser with a grease remover. The condenser is located in the lower part of your unit, behind the grill.



\* This does not apply to zero maintenance condenser. This type of condenser has no fins.

2. The cold plate freezers require a monthly defrost to eliminate the excess ice and frost that accumulates on them. For that purpose, remove the product from the freezer and unplug the unit from the power supply. Leave the doors open to help the defrosting process. Do not hit the cold plates or try to use any tool to remove the ice. Once the ice has melted, clean the inside and plug in the unit again, following the instructions in this manual.

3. Clean the inside and the exterior of your cooler, including the shelves, with a mild soap solution. Do not use strong detergents. Wipe dry the inside of the cooler before loading product again.

4. Plug in your unit and wait for 2 hours for the temperature to be appropriate to load your product back.

## TROUBLESHOOTING CHART

Compressor will not start, no noise	<ol style="list-style-type: none"> <li>1. Power disconnected</li> <li>2. Blown fuse or breaker</li> <li>3. Defective or broken wiring</li> <li>4. Defective overload</li> <li>5. Defective relay</li> <li>6. Thermostat on off position</li> </ol>	<ol style="list-style-type: none"> <li>1. Check service cord for proper connection</li> <li>2. Replace fuse or reset breaker</li> <li>3. Repair or replace</li> <li>4. Replace</li> <li>5. Replace</li> <li>6. Turn dial of thermostat to on position</li> </ol>
Warm storage temperatures	<ol style="list-style-type: none"> <li>1. Temperature control not set properly</li> <li>2. Not enough refrigerant</li> <li>3. Cabinet location too warm</li> <li>4. Too much refrigerant</li> <li>5. Low voltage, compressor cycling on overload</li> </ol>	<ol style="list-style-type: none"> <li>1. Reset control</li> <li>2. Leak check. Change drier, evacuate and recharge</li> <li>3. Relocate cabinet</li> <li>4. Change drier, evacuate and recharge</li> <li>5. Check voltage supply</li> </ol>
Compressor runs continuously-product too cold	<ol style="list-style-type: none"> <li>1. Defective control</li> <li>2. Control feeler tube not installed in well</li> <li>3. Not enough refrigerant</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace</li> <li>2. Push control feeler tube into well</li> <li>3. Leak check. Change drier, evacuate and recharge</li> </ol>
Compressor runs continuously-product too warm	<ol style="list-style-type: none"> <li>1. Not enough refrigerant</li> <li>2. Inefficient compressor</li> </ol>	<ol style="list-style-type: none"> <li>1. Leak check. Change drier, evacuate and recharge</li> <li>2. Replace</li> </ol>



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