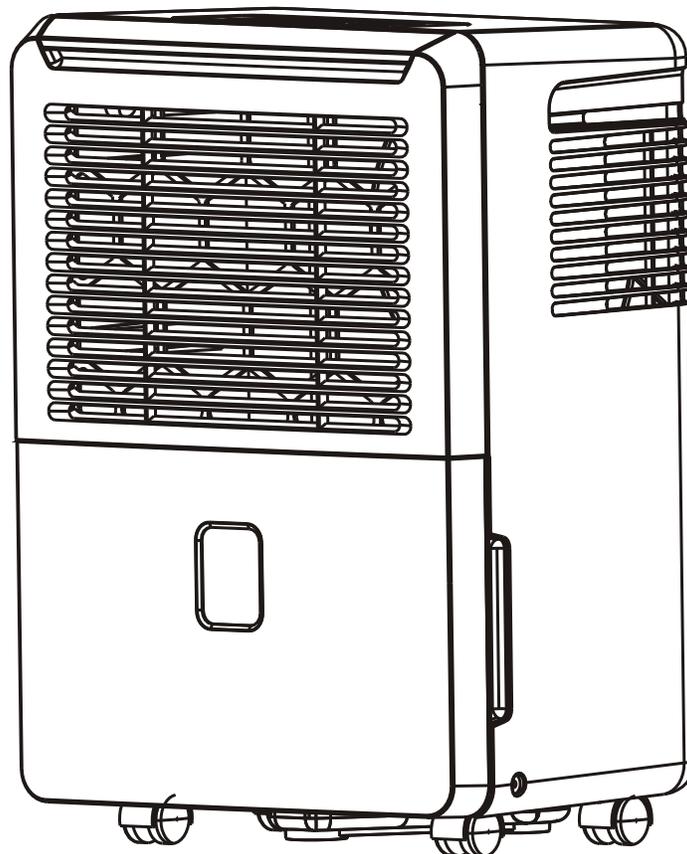


**INSTRUCTION MANUAL
DEHUMIDIFIER 50 PINTS
MODEL NO. EA831**



Before operating this product. Please read the instructions carefully and save this manual for future use.

TABLE OF CONTENTS

SAFETY PRECAUTIONS

WARNING	3
CAUTION	3
ELECTRICAL INFORMATION.....	4

CONTROL PADS ON THE DEHUMIDIFIER

CONTROL PADS.....	4
OTHER FEATURES	5

PARTS IDENTIFICATION.....	5-6
----------------------------------	------------

OPERATING THE UNIT

POSITIONING THE UNIT	6
WHEN USING THE UNIT	6
REMOVING THE COLLECTED WATER	7

CARE AND MAINTENANCE

CARE AND CLEANING OF THE DEHUMIDIFIER	8
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TROUBLE SHOOTING TIPS	8
------------------------------------	----------

WARRANTY	8
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SAFETY PRECAUTIONS

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause bodily harm or damage.

The seriousness is classified by the following indications.

 WARNING	THIS SYMBOL INDICATES THE POSSIBILITY OF DEATH OR SERIOUS INJURY.
 CAUTION	THIS SYMBOL INDICATES THE POSSIBILITY OF INJURY OR DAMAGE TO PROPERTY.

Meanings of symbols used in this manual are as shown below.

	NEVER DO THIS.
	ALWAYS DO THIS.

WARNING

	Do not exceed the rating of the power outlet or connection device.	Otherwise, it may cause electric shock or fire due to excess heat generation.
	Do not operate or stop the unit by switching main power on or off.	It may cause electric shock or fire due to heat generation.
	Do not damage or use an unspecified power cord.	It may cause electric shock or fire.
	Do not modify power cord length or plug other appliances in the same outlet	It may cause electric shock or fire due to heat generation
	Do not insert or pull out plug with wet hands.	It may cause electric shock.
	Do not place the unit near a heat source.	Plastic parts may melt and cause a fire.
	Disconnect the power if strange sounds, smell, or smoke comes from the unit	It may cause fire and electric shock.
	You should never try to take apart or repair the unit by yourself.	It may cause failure of machine or electric shock.
	Before cleaning, turn off the power and unplug the unit.	Otherwise, it may cause electrical shock or injury.
	Do not use the machine near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.	It may cause an explosion or fire.
	Do not drink or use the water drained from the unit.	It contains contaminants and could make you sick.
	Do not take the water bucket out during operation	It may cause electric shock.

CAUTION

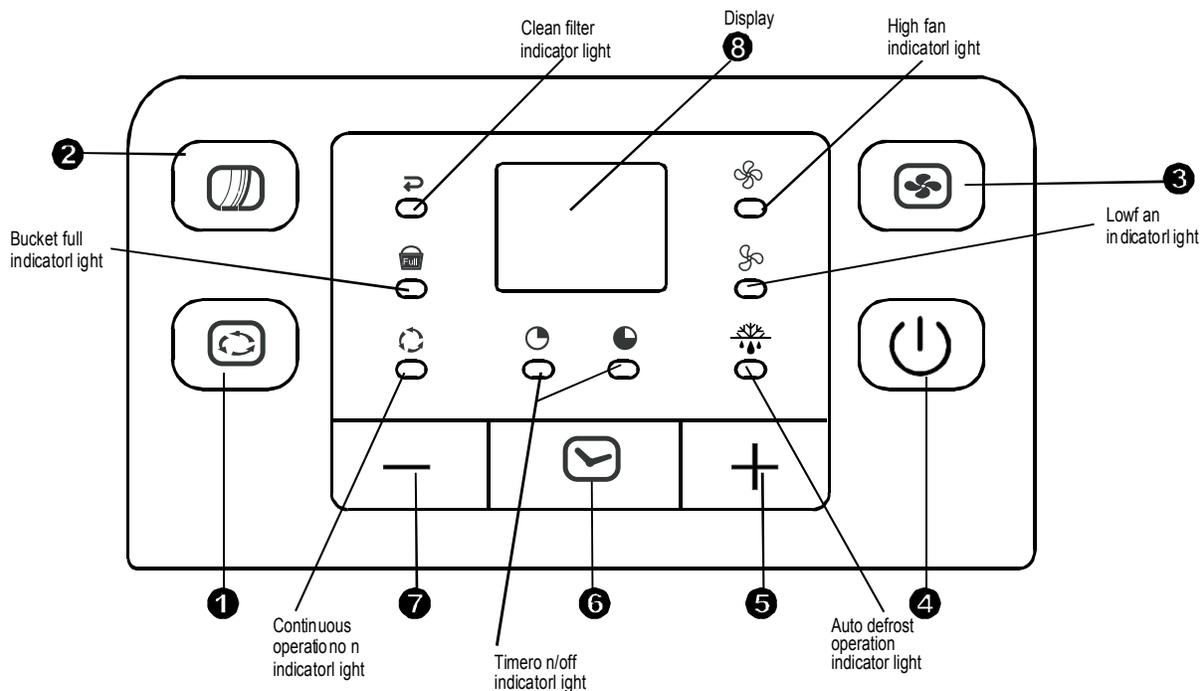
	Do not use the unit in small spaces.	Lack of ventilation can cause overheating and fire
	Do not put in places where water may splash onto the unit.	Water may enter the unit and degrade the insulation. It may cause an electric shock or fire.
	Place the unit on a level, sturdy section on the floor.	If the unit falls over, it may cause water to spill and damage belongings, or cause electrical shock or fire.
	Do not cover the intake or exhaust openings with cloths or towels.	A lack of air flow can lead to overheating and fire.
	Care should be taken when using the unit in a room with the following persons:	Infants, children, elderly people, and people not sensitive to humidity.
	Do not use in areas where chemicals are handled.	This will cause the unit to deteriorate due to chemicals and solvents present in the air.
	Never insert your finger or other foreign objects into grills or openings. Take special care to warn children of these dangers.	It may cause electric shock or failure of appliance.
	Do not place heavy objects on the power cord and take care so that the cord is not compressed.	There is danger of fire or electric shock.
	Do not climb up on or sit on the unit.	You may be injured if you fall or if the unit falls over
	Always insert the filters securely. Clean filter once every two weeks.	Operation without filters may cause failure.
	If water enters the unit, turn the unit off and disconnect the power, contact a qualified service technician.	It may cause failure of appliance or accident.
	Do not place flower vases or other water containers on top of the unit	Water may spill inside the unit, causing insulation failure and electrical shock or fire.

ELECTRICAL INFORMATION

- The nameplate is located on the rear panel of the unit and contains electrical and other technical data specific to this unit.
- Be sure the unit is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- Your unit must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle.
- Make sure the receptacle is accessible after the unit has been installed.
- Do not use extension cords or an adapter plug with this unit. However, if it is necessary to use an extension cord, use an approved "Dehumidifier" extension cord only (available at most local hardware stores).
- To avoid the possibility of personal injury, always disconnect the power supply to the unit, before installing and/or servicing.

CONTROL PADS ON THE DEHUMIDIFIER

NOTE: The control panel of the unit you purchased may be slightly different according to its model. Some models can be controlled by remote controller. Some models have no remote-control function. See the following Fig.1 of the control panel. Please refer to the REMOTE CONTROLLER INSTRUCTIONS for the remote operation, if a remote control is included with your appliance.



CONTROL PADS:

When you push the pad to change operation modes, the unit will make a beep sound to indicate that it is changing modes.

1. Continue Pad

Press to activate the continuous dehumidifying operation.

2. Filter Pad

The check filter feature is a reminder to clean the air filter for more efficient operation. The Clean filter indicator light will illuminate after 250 hours of operation. To reset after cleaning the filter, press the filter pad and the light will go off.

3. Fan Pad

Controls the fan speed. Press to select either High or Normal fan speed. Set the fan control to High for maximum moisture removal. When the humidity has been reduced and quiet operation is preferred, set the fan control to Normal.

4. Power Pad

Press to turn the dehumidifier on and off.

5/7. UP/Down Pads

Humidity Set Control Pads

The humidity level can be set within a range of 35%RH (Relative Humidity) to 85%RH (Relative Humidity) in 5% increments.

For drier air, press the  pad and set to a lower percent value (%).

For damper air, press the  pad and set a higher percent value (%).

• Timer Set Control Pads

Use the Up/Down pads to set the Auto start and Auto stop time from 0.0 to 24.

6. Timer Pad

Press to initiate the Auto start and Auto stop feature, in conjunction with the Up and Down keypads.

CONTROL PADS ON THE DEHUMIDIFIER

8. DISPLAY

Shows the set % humidity level from 35% to 85% or auto start/stop time (0~24) while setting, then shows the actual ($\pm 5\%$ accuracy) room % humidity level in a range of 30% RH (Relative Humidity) to 90% RH (Relative Humidity).

Error Codes and Protection Codes

AS- Humidity sensor error - Unplug the unit and plug it back in. If error repeats, call for service.

ES- Temperature sensor error - Unplug the unit and plug it back in. If error repeats call for service.

P2- Bucket is full or bucket is not in correct position - Empty the bucket and replace it in the right position.

EC-Unit malfunction - Please make sure that the ambient temperature is suitable for operation, as stated in this manual. If not, please adjust the unit to operate within the stated temperature range. If the ambient temperature is suitable for operation and the unit still malfunctions, please call for service.

OTHER FEATURES

BUCKET FULL LIGHT

Glows when the bucket is ready to be emptied, or when the bucket is removed or not replaced in the proper position.

AUTO SHUT OFF

The dehumidifier shuts off completely after 30 seconds when the bucket is full, or when the bucket is removed or not replaced in the proper position.

When the setting humidity is reached, the unit will shut off automatically. For some models, the fan motor will continue operating

AUTO DEFROST

The Auto defrost indicator light will illuminate when frost builds up on the evaporator coils.

The compressor will cycle off and the fan will continue to run until the frost disappears, and the light will be off.

WAIT 3 MINUTES BEFORE RESUMING OPERATION

After the unit has stopped, it cannot restart its operation in the first 3 minutes. This feature protects the unit. Operation will automatically start after 3 minutes.

CHECK FILTER FEATURE

The system starts to count the time once the fan motor operates. The check filter feature can only be activated when the accumulated operation time reach 250 hours or more.

Clean filter indicator light flashes at one time per second, after finishing clean the air filter, press the Filter pad and Clean filter indicator light goes off.

AUTO-RESTART (ON SOME MODELS)

If the unit stops unexpectedly due to a loss of power, it will restart automatically with its previous settings when the power resumes.

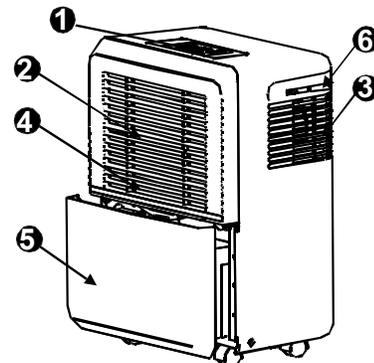
SETTING THE TIMER

- When the unit is on, first press the Timer pad, the Timer Off indicator light illuminates. It indicates the Auto Stop program is initiated. Press Timer pad again-the Time On indicator light illuminates. It indicates the Auto Start is initiated.
- When the unit is off, first press the Timer pad, the TIMER ON indicator light illuminates. It indicates the Auto Start program is initiated. Press the pad again-the Time Off indicator light illuminates. It indicates the Auto Stop is initiated.
- Press or hold the UP or DOWN pad to change the Auto time in 0.5-hour increments, up to 10 hours, then in 1 hour increments up to 24 hours. The control will count down the time remaining until start.
- The selected time will register in 5 seconds and the system will automatically revert back to display the previous humidity setting.
- When the Auto start & Auto stop times are set, within the same program sequence, TIMER ON/OFF indicator lights illuminate identifying both ON and OFF times are now programmed.
- Turning the unit ON or OFF at any time or adjusting the timer setting to 0.0 will cancel the Auto Start/Stop function.
- When LED display window displays P2 code, the Auto Start/Stop function will also be cancelled.

PARTS IDENTIFICATION

FRONT

1. Control Panel
2. Air Intake Grille
3. Air Outlet Grille
4. Air Filter (Behind The Grille)
5. Water Bucket
6. Handle



REAR

1. Drain Hose Outlet
2. Casters
3. Power Cord and Plug
4. Band (Used only when storing the unit.)

NOTE: All pictures in the manual are for explanation purposes only. The actual shape of the unit you purchased may be slightly different, but its operations and functions are the same.

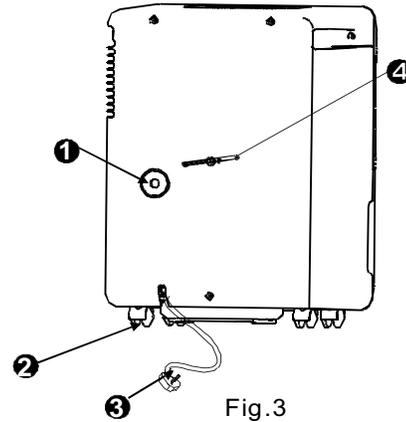


Fig.3

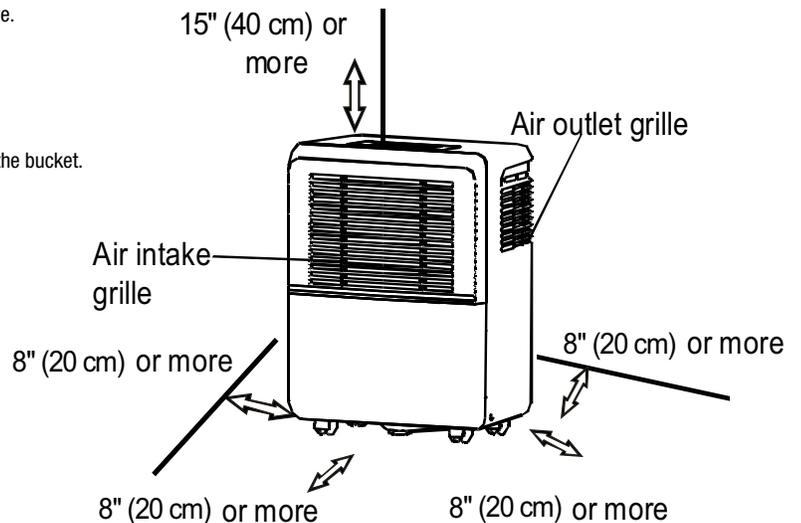
POSITIONING THE UNIT

A dehumidifier operating in a basement will have little or no effect in drying an adjacent enclosed storage area, such as a closet, unless there is adequate circulation of air in and out of the area.

- Do not use outdoors.
- This dehumidifier is intended for indoor residential applications only. This dehumidifier should not be used for commercial or industrial applications.
- Place the dehumidifier on a smooth, level floor strong enough to support the unit with a full bucket of water.
- Allow at least 8" (20 cm) of air space on all sides of the unit for good air circulation.
- Place the unit in an area where the temperature will not fall below 5°C (41°F).
The coils can become covered with frost at temperatures below 5°C (41°F), which may reduce the performance.
- Place the unit away from the clothes dryer, heater or radiator.
- Use the unit to prevent moisture damaging where books or valuables are stored.
- Use the dehumidifier in a basement to help prevent moisture damage.
- The dehumidifier must be operated in an enclosed area to be most effective.
- Close all doors, windows and other outside openings to the room.

Casters (At four points on the bottom of unit)

- Casters can move freely.
- Do not force casters to move over carpet, nor move the unit with water in the bucket.
(The unit may tip over and spill water.)



WHEN USING THE UNIT

- When first using the dehumidifier, operate the unit continuously for 24 hours.
- This unit is designed to operate with a working environment between 5°C/41°F and 35°C/95°F.
- If the unit has been switched off and needs to be switched on again quickly, allow approximately three minutes for the correct operation to resume.
- Do not connect the dehumidifier to a multiple socket outlet, which is also being used for other electrical appliances.
- Select a suitable location, making sure you have easy access to an electrical outlet.
- Plug the unit into an electrical socket-outlet with ground connection.
- Make sure the water bucket is correctly fitted otherwise the unit will not operate properly.

NOTE: When water in the bucket reaches a certain level, please be careful to move the machine to avoid falling down.

REMOVING THE COLLECTED WATER

There are two ways to remove collected water.

1. Use the bucket
 - When the unit is off, if the bucket is full, the unit will beep 8 times and the Full indicator light will flash, the digital display shows P2.
 - When the unit is on, if the bucket is full, the compressor turns off and the fan turns off after 30 seconds for drying the water then the unit will beep 8 times and the Full indicator light will flash, the digital display shows P2.
 - Slowly pull out the bucket. Grip the left and right handles securely, and carefully pull out straight so water does not spill. Do not put the bucket on the floor because the bottom of the bucket is uneven. Otherwise the bucket will fall and cause the water to spill.
 - Pour out the water and reinstall the bucket. The bucket must be in place and securely seated for the dehumidifier to operate.
 - The machine will re-start when the bucket is restored in its correct position.

NOTES:

- When you remove the bucket, do not touch any parts inside of the unit. Doing so may damage the product.
 - Be sure to push the bucket gently all the way into the unit. Banging the bucket against anything or failing to push it in securely may cause the unit not to operate.
 - When you remove the bucket, if there is some water in the unit it must be dried.
2. Continuous draining
 - Water can be automatically emptied using a floor drain hose (I.D. 8mm (5/16"), not included) with a female threaded end (I.D. 26mm (1"), not included).
 - Make sure the drain hose is onto the adaptor A (See Fig. 7, placed in the bucket)
 - Remove the plastic cover from the back-drain outlet of the unit and remove bucket, then insert the drain hose through the drain outlet of the unit and securely press it onto the connector on the front of the unit. (See Fig.9)
 - Tighten the adaptor A and the unit by using two screws (placed in the bucket).
 - Install the female threaded end of the water hose (not included) the adaptor A. (See Fig.10), then lead the water hose to the floor drain or a suitable drainage opening.
 - Make sure the hose is secure so there are no leaks.
 - Direct the hose toward the drain, making sure that there are no kinks that will stop the water flowing.
 - Place the end of the hose into the drain and make sure the end of the hose is level or down to let the water flow smoothly. Make sure it is not pointing upwards.
 - Place the bucket back in the unit and make sure that it is located correctly.
 - Select the desired humidity setting and fan speed on the unit for continuous draining to start.

NOTE: When the continuous drain feature is not being used, remove the drain hose from the outlet.

CARE AND CLEANING OF THE DEHUMIDIFIER

Turn the dehumidifier off and remove the plug from the wall outlet before cleaning.

1. Clean the grille and case
 - Use water and a mild detergent. Do not use bleach or abrasives.
 - Do not splash water directly onto the main unit. Doing so may cause an electrical shock, cause the insulation to deteriorate, or cause the unit to rust.
 - The air intake and outlet grilles get soiled easily, so use a vacuum attachment or brush to clean.

2. Clean the bucket

Every few weeks, clean the bucket to prevent growth of mold, mildew and bacteria. Partially fill the bucket with clean water and add a little mild detergent. Swish it around in the bucket, empty and rinse.

NOTE: Do not use a dishwasher to clean the bucket. After cleaning, the bucket must be back in place and securely seated for the dehumidifier to operate.

3. Clean the air filter

- Remove the filter every two weeks based on normal operating conditions.
- Remove the filter from the top of the unit (see Fig. 11).
- Wash the filter with clean water then dry.
- Re-install the filter, and replace bucket.

1. Pull out the bucket a little.

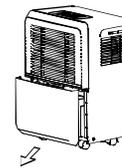


Fig.5

2. Hold both sides of the bucket with even strength, and pull it out from the unit.

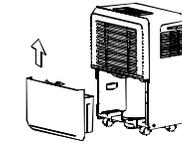


Fig.6

3. Pour the water out.

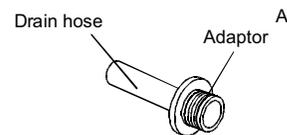


Fig.7

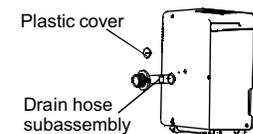


Fig.8

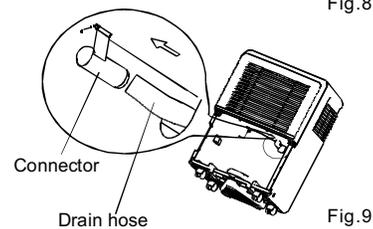


Fig.9

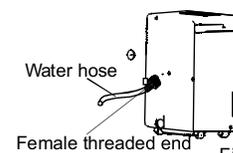


Fig.10

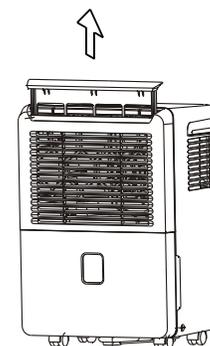


Fig. 11

CARE AND CLEANING OF THE DEHUMIDIFIER (CONTINUED)

CAUTION: DO NOT operate the dehumidifier without a filter because dirt and lint will clog it and reduce the performance.

4. When not using the unit for long time periods
 - After turning off the unit, wait one day before emptying the bucket.
 - Clean the main unit, water bucket and air filter.
 - Wrap the cord and bundle it with the band (Fig.12).
 - Cover the unit with a plastic bag.
 - Store the unit upright in a dry, well-ventilated place.

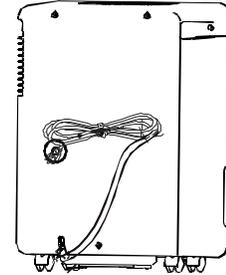


Fig. 12

TROUBLESHOOTING TIPS

BEFORE CALLING CUSTOMER SERVICE, REVIEW THE CHART BELOW FIRST.

PROBLEM	WHAT TO CHECK
Unit does not start	<ul style="list-style-type: none"> • Make sure the dehumidifier's plug is pushed completely into the outlet. • Check the house fuse/circuit breaker box. • Dehumidifier has reached its pre-set relative humidity level or bucket is full. • Water bucket is not in the proper position.
Dehumidifier does not dry the air as it should	<ul style="list-style-type: none"> • Not enough time was allowed to remove the moisture. • Make sure there are no curtains, blinds or furniture blocking the front or back of the dehumidifier. • The humidity control may not be set low enough. • Check that all doors, windows and other openings are securely closed. • Room temperature is too low, below 5°C(41°F). • There is a kerosene heater or something giving off water vapours in the room.
The unit makes a loud noise when operating	<ul style="list-style-type: none"> • The air filter is clogged. • The unit is tilted instead of upright as it should be. • The floor surface is not level.
Frost appears on the coils	<ul style="list-style-type: none"> • This is normal. The dehumidifier has an auto-defrost feature.
Water on the floor	<ul style="list-style-type: none"> • Hose to connector or hose connection may be loose. • Drain hose and adaptor are not removed when using bucket to collect water.
ES, AS, EC and P2 appear in the display	<ul style="list-style-type: none"> • These are error codes and protection codes. See CONTROL PADS ON THE DEHUMIDIFIER section.

WARRANTY POLICY

The warranty and return policy stated and described below pertain to all products carrying the **Matrix Industrial Products®** trademark. This warranty supersedes any and all manufacturer's warranties, written or implied. Our sole liability is limited to the repair or replacement of any product proven to be defective in material and/or workmanship and for which a warranty claim is made during the applicable warranty period. No claims for damages of any type will be allowed. All products are sold on this basis. Defective warranted products will be repaired or replaced at our sole discretion at no cost with a new or reconditioned product. This Warranty only applies when the product is used for the purpose for which it was originally designed, under normal operating conditions. This Warranty does not apply to products which have been abused, misused, modified or have been repaired by someone other than us. Discontinued warranted products will be replaced with products that are similar and available, or we will issue an appropriate credit. The specific warranty coverage for each product is as set out below. **Matrix Industrial Products®** are only sold on a wholesale basis and accordingly, warranties only apply to purchasers for resale or for use in their business.

RETURN POLICY

Please return the COMPLETE tool, freight prepaid, to the **Matrix Industrial Products®** distributor where you purchased the product. If you have any questions, please contact your authorized **Matrix Industrial Products®** distributor (proof of purchase is required). This Warranty shall be governed by and interpreted in accordance with the laws of Quebec and the laws of Canada applicable therein.