



DEHUMIDIFIER

USER MANUAL

FOR MODELS:

1PED30

1PED50

1PED50S

1PED70

Before using your dehumidifier, please read this manual carefully and keep it for future reference, along with your receipt.



Be sure to read the
QUICK START TIPS
on the next page ►

CONSUMER PRODUCT INFORMATION

For your own records, please attach a copy of your sales receipt to this manual and complete the following:

Model Number: _____ Serial Number: _____

Purchase Date: _____ Store Purchased: _____

Installation Date: _____ Installation Co.: _____

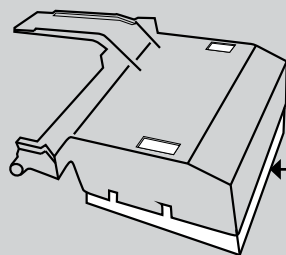
Installer Name: _____ Installer Phone No.: _____

QUICK START TIPS

IT IS HIGHLY SUGGESTED THAT THE MANUAL BE READ IN FULL BEFORE OPERATING THE UNIT. However, the notes below are especially important in helping you to properly set up and begin to use your dehumidifier.

1. The dehumidifier should be kept upright. If for any reason it has not been stored upright while in your possession, put the unit in an upright position for a minimum of 24 hours before initial start.
2. Press the POWER button to turn the dehumidifier ON.
3. Using the + and the – buttons, set the humidity to 30% RH (relative humidity) for the first 24 hours of operation.
4. After the first 24 hours, set the desired humidity using the + and – buttons. Recommended humidity is between 45~55% RH.
5. For model numbers 1PED50 and 1PED70, when unpacking the dehumidifier, note that the foam inside the float piece in the bucket should NOT be removed. Without this foam piece, the dehumidifier will not operate properly. (Model numbers 1PED30 and 1PED50S do not require this foam piece.)

NOTE: Removing the float and/or foam will cause the unit to not shut off and the bucket to overflow.



**Foam piece inside float mechanism
(1PED50 & 1PED70 models only).
DO NOT REMOVE this foam piece.**

6. The accessories are located with the unit as follows.

4X CASTERS

- Found in bucket for Model Numbers 1PED30 and 1PED50S
- Casters are pre-installed on Model Numbers 1PED50 and 1PED70



DIRECT DRAIN HOSE

← Washer



Before using your dehumidifier, it is recommended that you read this manual carefully and keep it together with your proof of purchase (receipt) for warranty purposes.



Electrical waste products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

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This manual provides the information needed for proper use and maintenance of this dehumidifier. Basic preventative care can help extend the life of this unit. The “Troubleshooting” section in this manual contains a chart with possible solutions to the most common problems. Referring to this section may save time and prevent the need for a service call in the event of a problem.



CAUTION

- Contact an authorized service technician for repair or maintenance of this unit.
- If necessary, contact an installer for installation of this unit.
- The dehumidifier is not intended for use by young children without adult supervision. Young children should be supervised to ensure that they do not play with the dehumidifier.
- Disabled persons may require assistance with set up and usage.
- If the power cord is to be replaced, replacement work should be performed by authorized personnel only.
- Installation and repair work must be performed in accordance with the national wiring standards by authorized personnel only.

ELECTRICAL INFORMATION

- The manufacturer's 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 3-prong grounding plug for protection against shock hazards. **DO NOT** remove the third prong.
- The 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 a proper receptacle.
- Ensure the receptacle is accessible after the unit is installed.
- **DO NOT** use extension cords or adapter plugs 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 from the unit before installing and/or servicing the unit.

NOTE: All the illustrations in this manual are for explanation purposes only. Unit purchased may be slightly different.

NOTE: The design and specifications of the dehumidifier are subject to change without prior notice for product improvement. Contact Consumer Services at 844-472-2473 for details.

SAFETY PRECAUTIONS

READ SAFETY PRECAUTIONS BEFORE INSTALLATION

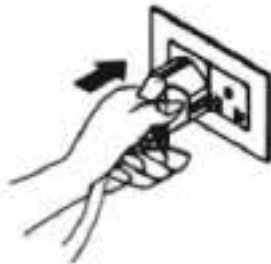
To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage.

⚠ WARNINGS

DO NOT fold the power cord as shown below.



Make sure the plug is placed firmly and completely into the socket.



DO NOT use multiple sockets as shown below.



Make sure the plug is clean. (Remove any debris with a DRY cloth.)



After turning the unit off, please take plug out of the socket.

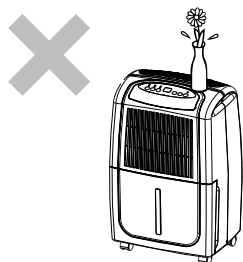


NEVER handle the plug with wet hands.

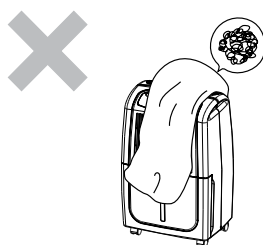


⚠ CAUTIONS

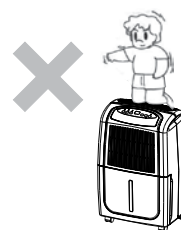
DO NOT place anything on top of the unit.



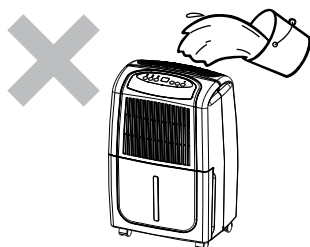
DO NOT place anything over the air inlet or outlet grilles.



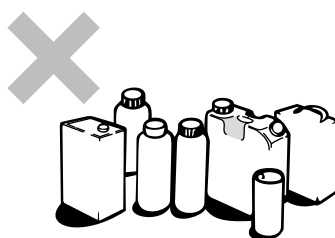
DO NOT let children play by or with the unit.



DO NOT get any liquid on the machine.



Keep flammable gas/oil away from the machine.

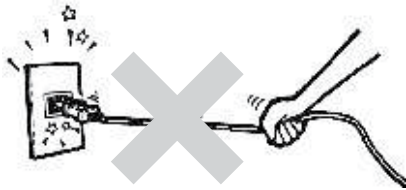


Have professionals do all servicing.

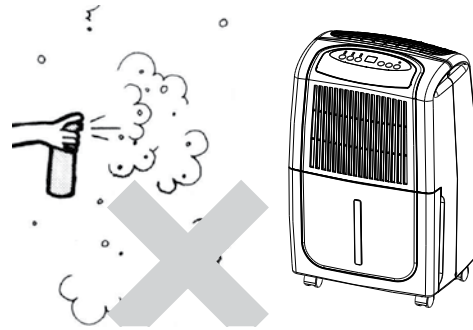


! CAUTIONS

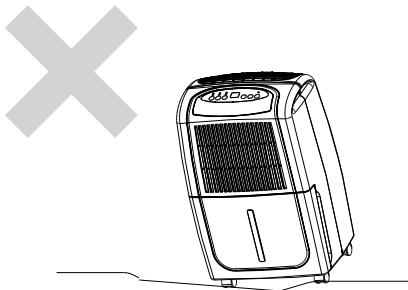
DO NOT pull on the power cord so as not to break the cord, as this can be dangerous.



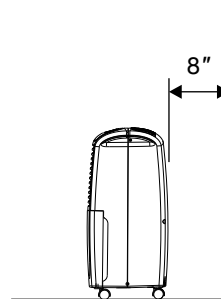
DO NOT use inset, oil or paint spray around the machine as this may cause damage to the plastic parts or start a fire.



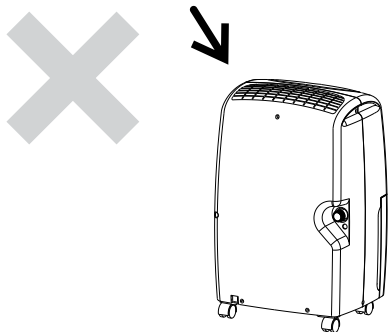
In order to avoid shaking, noise, and water leakage, **DO NOT** place the machine on an uneven ground.



Always keep the unit 8 inches (30 cm) away from the wall to dissipate the heat properly.



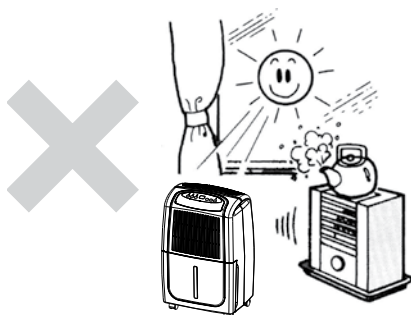
It is dangerous to pour anything into the machine.



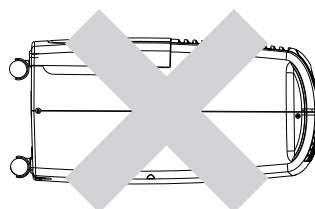
Close all open windows and doors to reach the maximum possible efficiency of removing moisture.



Keep the unit away from any type of heat sources.

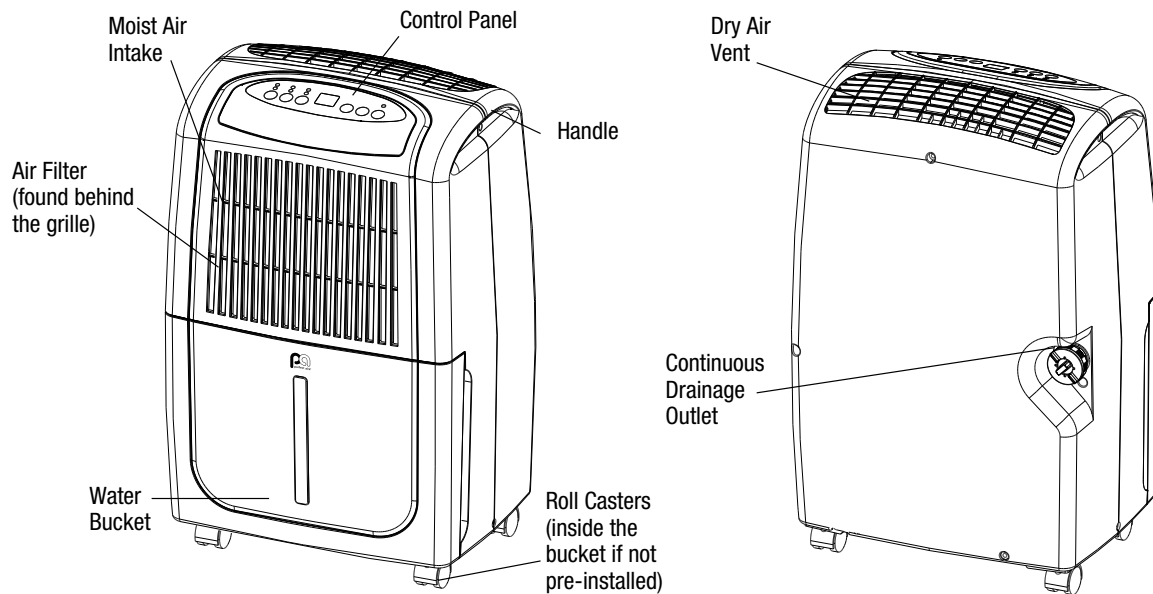


When moving or putting the unit in storage, **DO NOT** place the dehumidifier on its side or upside down; avoid violently shaking the dehumidifier.



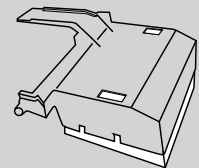
IDENTIFICATION OF PARTS

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



WHAT IS THE "FLOAT"?

Inside the bucket, on one side, is an "arm" mechanism that wobbles. This piece is called the "float." **DO NOT** remove it from the bucket (1PED & 1PED70 Models only). If it is removed, the bucket will overflow.

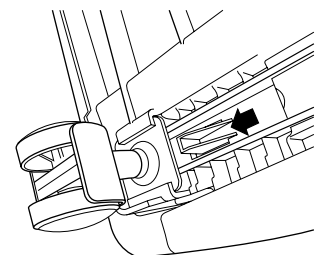


CASTER INSTALLATION

Caster installation is recommended to avoid damage to floors. Model numbers 1PED50 and 1PED70 have casters already installed. However, model numbers 1PED30 and 1PED50S require casters to be installed after unpacking the unit, using the instructions below. Casters for the 1PED30 and 1PED50S Models can be found in the bucket when unpacking the unit for the first time and can be installed using the following instructions:

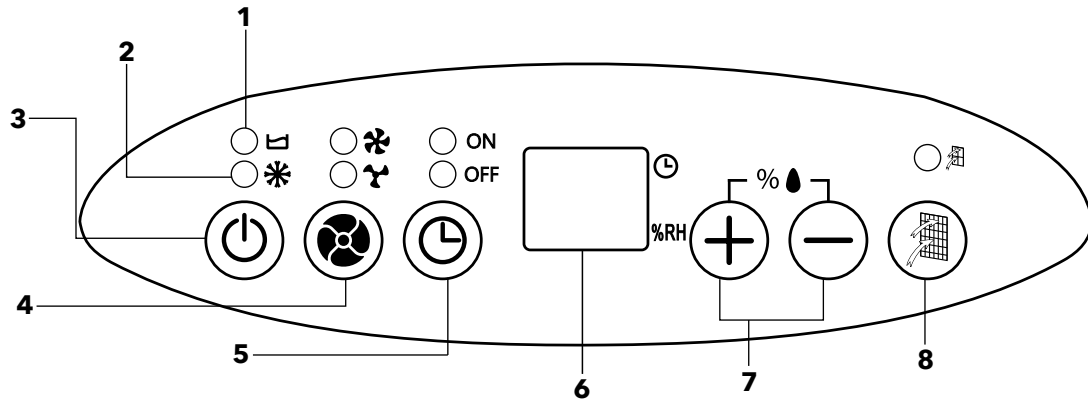
1. Remove the casters from the bucket of the dehumidifier.
2. Carefully position the dehumidifier on its side.
3. Locate the arrow on the bottom of the dehumidifier and insert the caster in the direction indicated by the arrow.
4. Slide the caster in as far as it will go. The caster will snap into place once secure.
5. Repeat steps 1 through 4 for the remaining 3 casters.
6. To remove caster, press tab down and slide the caster out.

NOTE: Wait 24 hours before running unit.



CONTROL PADS ON THE DEHUMIDIFIER

NOTE: The control panel of the unit you purchased may be slightly different according to the models.



1. BUCKET FULL LIGHT

The light will illuminate when the bucket is full.

2. DEFROST LIGHT

When the temperature is low, the unit enters DEFROST mode and this light will illuminate. When the coils inside the dehumidifier have accumulated frost, the unit will go into auto DEFROST mode.

3. POWER

Press to power the unit ON/OFF.

4. FAN SPEED

Control the fan speed. Press to select either High or Low fan speed.

5. TIMER

The timer can be set to run between 1 and 24 hours.

- When unit is in operation, press TIMER pad and then “+” or “-” to set hours (TIMER OFF will be illuminated). The unit will turn OFF after set hours.
- When unit is on standby, press TIMER pad and then “+” or “-” to set hours (TIMER OFF will be illuminated). The unit will turn ON after set hours.
- To cancel the timer, proceed as above, but set both TIMER ON and TIMER OFF to zero hours. Both lights for TIMER ON and TIMER OFF should be off (not illuminated).

6. CURRENT HUMIDITY/TIMER & HUMIDITY SET DISPLAY

When the unit is running, it displays the current humidity. Press TIMER pad; the set hours are displayed here. Ten (10) seconds after displaying the timer, the display will change back to the room humidity.

7. SET HUMIDITY/TIMER (+/-)

- **Setting Desired Humidity:** When the unit is running, it displays current room humidity (%RH). Press “+” or “-” to select desired humidity setting. The humidity is adjusted in increments of 5% with each press of “+” or “-”. Adjustable range is 30%RH–90%RH. A few seconds after setting the desired humidity, the display will go back to showing the current humidity.
- **Setting Timer:** To set timer, follow instructions in the Timer section on this page.

8. FILTER RESET BUTTON

After 250 hours of operation, the filter indicator light will illuminate to remind you to clean the air filter. Press this button to reset the air filter timer and to turn off the CHECK FILTER indicator after cleaning the filter.

▶ ERROR AND PROTECTION CODES

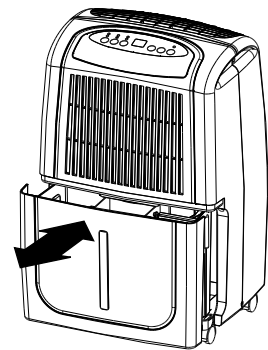
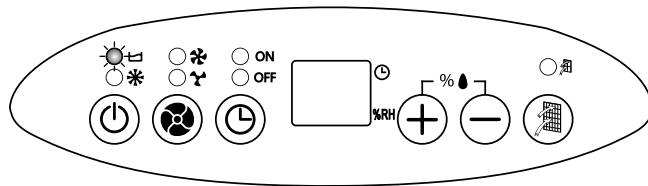
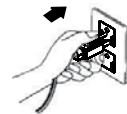
If the display shows any of the following error codes, unplug the unit for at least 5 minutes and plug it back in. If error repeats, call Perfect Aire Consumer Services at 844.472.2473.

- E1: Room Sensor failure
- E2: Defroster Sensor failure
- E3: Humidity Sensor failure

OPERATING INSTRUCTIONS

▶ STARTING OPERATION

1. Ensure that the unit is plugged into a properly designated power outlet.
2. Insert the plug into a suitable wall outlet. The dehumidifier is suitable for operation on an electricity supply having the same voltage as that shown on its rating label.
3. Place the unit in an upright position on a flat, level, steady, stable, heat-resistant surface. Make sure there is nothing flammable or heat sensitive within 39 inches (100 cm) of the unit. Operating the unit in any other position is hazardous.
4. Make sure the bucket is placed in the proper position. (After switching the unit on for the first time, the BUCKET FULL light may illuminate. Pull the bucket out, check that the “float” lever is able to move freely, then push the bucket back into the proper position.)



▶ WHEN BUCKET FULL LIGHT IS ON

When the bucket is full, the unit will stop running, beep 5 times, and the BUCKET FULL light will illuminate. To empty the bucket, carefully slide the bucket out from the bottom front of the unit. Hold the bucket with both hands to avoid spilling. Once the bucket has been emptied, return the bucket to its proper position by sliding the empty bucket back into place. The unit will start up and run normally.

▶ DEFROST

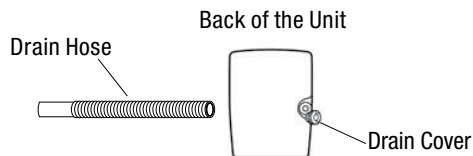
When operating in low temperatures (less than 54°F/12°C) the surface of the evaporator may accumulate frost and affect the efficiency of the dehumidifier. When this happens, the unit will automatically go into DEFROST mode. This is normal and the DEFROST light will illuminate. Once the unit is done defrosting, it will resume running as normal. The unit can operate in temperatures down to 41°F/5°C. Defrost times may vary. If the dehumidifier freezes up, turn the unit off for a few hours and then restart. It is not recommended to use the dehumidifier in temperatures below 41°F/5°C.

CONTINUOUS DRAINAGE

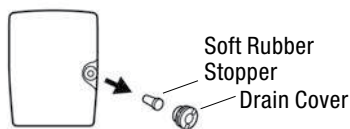
► TO USE THE HOSE PROVIDED

The “Continuous Drainage” function can be started with the following steps.

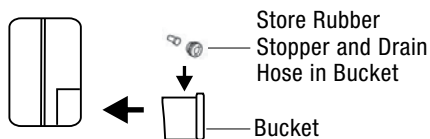
1. To avoid having to periodically empty the bucket, this unit can be set for continuous drainage. Use the supplied drain hose and attach it to the continuous drainage connector located on the back right-hand side of the unit.



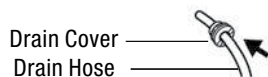
2. Unscrew and remove the drain cover found at the rear of the unit.
3. Remove the soft rubber stopper. Place it in the bucket for safe keeping.



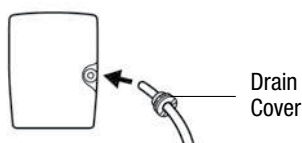
4. Return the bucket to its proper position.



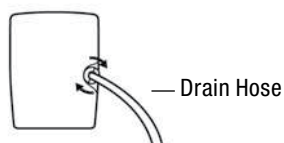
5. Insert the drain hose (provided) through the hole of the drain cover with the washer portion on the inside of the cover.



6. Connect the drain hose to the drain port.

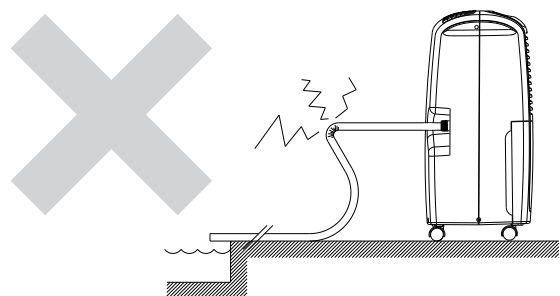
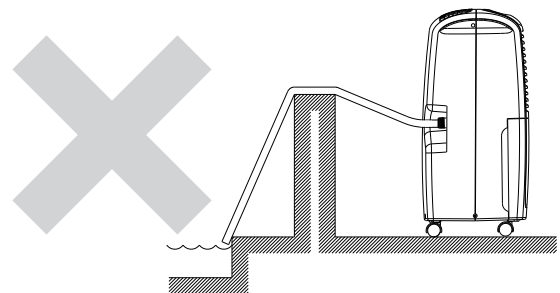
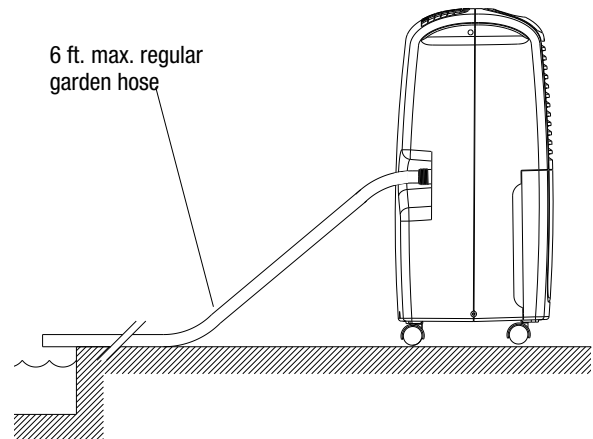


7. Tighten the drain cover in a clockwise direction onto the rear of the unit.



► TO USE A GARDEN HOSE

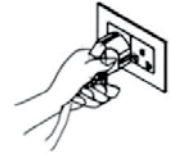
When using the “Continuous Drainage” function, a regular garden hose can be used in place of the drain hose provided. Avoid uneven ground and bending of the hose. The hose should go on a downward slope and be free of bends/kinks in order to properly drain into the drain hole. The hose length should not exceed 6 ft.



CARE & MAINTENANCE

► CARE AND CLEANING OF THE DEHUMIDIFIER

ALWAYS TURN THE DEHUMIDIFIER OFF & REMOVE THE PLUG FROM THE WALL OUTLET BEFORE CLEANING.



1. CLEAN THE GRILLE AND CASE

- Use a damp cloth with water and a mild detergent. **DO NOT** use bleach or abrasives.
- **DO NOT** splash water directly onto the main unit. Doing so may cause electrical shock, cause the insulation to deteriorate, or cause the unit to rust.
- The air intake and outlet grilles get soiled easily; use a vacuum attachment or brush to clean.

2. CLEAN THE BUCKET

Every few weeks, clean the bucket to prevent the growth of mold, mildew and bacteria.

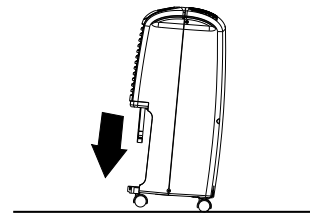
- Remove the bucket and clean it in an area away from the dehumidifier to avoid splashing water onto/in the unit.
- Partially fill the bucket with clean water and add a small amount of mild detergent. Swish it around in the bucket, empty and rinse.

NOTE: DO NOT place bucket in the dishwasher. After cleaning the bucket, it must be securely in place for the dehumidifier to operate.

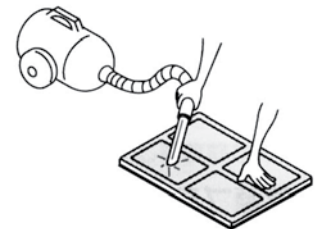
3. CLEAN THE AIR FILTER

For optimal performance and efficiency, clean the filter every two weeks.

- Remove the water bucket and carefully tilt the unit back slightly (at an angle of approximately 15°). The filter is located behind the front grille and should be pulled down gently to remove.
- Clean the filter with a vacuum cleaner or wash the filter with clean water, then dry thoroughly before reinserting.
- Put the clean air filter back in place and return the water bucket to its proper position before plugging the unit back in and powering it on.



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



► PROLONGED PERIODS OF NON-USE

- Clean the main unit, water bucket and air filter as indicated above and let dry completely.
- Cover the unit with a plastic bag.
- Store the unit upright in a dry, well-ventilated place.

IF A PROBLEM OCCURS

DO NOT DISASSEMBLE THE DEHUMIDIFIER YOURSELF! This is not only very dangerous, but will also immediately void your warranty.

If a problem occurs, unplug the machine and consult the troubleshooting section of this user manual. If additional assistance is needed, please contact Perfect Aire Consumer Services at 844-472-2473.

TROUBLESHOOTING

BEFORE CALLING FOR SERVICE, PLEASE REVIEW THE CHART BELOW

ISSUE	POSSIBLE CAUSES
UNIT DOES NOT START	<ul style="list-style-type: none"> • Make sure the dehumidifier's plug is pushed completely into the outlet. • Check the fuse/circuit breaker box in your home. • The bucket is full and needs to be emptied. • The water bucket is not in the proper position.
DEHUMIDIFIER'S BUCKET FULL LIGHT IS ILLUMINATED EVEN THOUGH BUCKET IS EMPTY	<ul style="list-style-type: none"> • Verify drain plug has not been removed from back of unit if using the bucket to collect water. • Check float switch (inch length tab in top of unit behind bucket) to ensure it is not cracked, broken or stuck. The switch is located on the right side behind the bucket when you are facing the unit. • Check that unit is level and the filter, vents and bucket are thoroughly clean. • Ensure float is snapped properly into place inside the bucket. (See page 3 for description of "float" piece.) • Unplug unit for at least 5 minutes. Remove and return bucket securely, plug unit back in, then turn on unit.
DEHUMIDIFIER NOT DRAWING WATER	<ul style="list-style-type: none"> • Be sure unit is not too large or too small for the area of the room. • Allow enough time for unit to remove moisture. • Set humidity low enough to ensure moisture removal. • Setting may be the same as actual humidity in room, thus no moisture to remove. • Be sure all doors, windows and other openings are securely closed. • Be sure unit is level and that there is sufficient air circulation around the unit, as well as between unit and floor. • Make sure unit is level and that there are no curtains, blinds, or furniture blocking the unit. • Check that room temperature is 41°F or above. • If unit is near a heat source, such as a clothes dryer, etc., relocate unit. • Clean the air filter and air outlet.
AUTO DEFROST DISPLAYS REPEATEDLY	<ul style="list-style-type: none"> • Turn off unit and unplug 4-6 hours. • Plug unit back in. Run in normal mode (no Turbo fan, not on Continuous operation). • Be sure unit humidity is not set too low, unit is not sitting on too cold of a floor and unit is not being used in too cold of a room. (Room should be 41°F or above.) • Be sure there is sufficient air circulation between the unit and the surface on which it is sitting.
DEHUMIDIFIER CONSTANTLY CYCLES ON/OFF	<ul style="list-style-type: none"> • Be sure unit is not too large or too small for the area of the room. • Using unit in much less than its stated coverage will likely cause it to go on and off more frequently. Using too small of a unit will cause it to run constantly. • If the humidity setting and actual humidity in room are cycling right around the same, the unit will go off and on accordingly. • The fan will run for a few minutes after the compressor shuts off. • Check that unit is level and the filter, vents and bucket are thoroughly clean and nothing is obstructing them. • Be sure all doors, windows and other openings are securely closed. • Ensure there is sufficient air circulation around the unit, as well as between unit and floor. • Unplug unit for at least 5 minutes. Plug back in unit, remove and return bucket to dehumidifier and turn on.
UNIT MAKES A LOUD NOISE WHEN OPERATING	<ul style="list-style-type: none"> • Make sure the air filter is clean and not clogged. • Make sure the unit is upright (not tilted) and on a flat, level surface.

BEFORE CALLING FOR SERVICE, PLEASE REVIEW THE CHART BELOW

ISSUE	POSSIBLE CAUSES
DEHUMIDIFIER ALWAYS RUNNING	<ul style="list-style-type: none"> • Be sure unit is not too large or too small for the area of the room. • Allow enough time for unit to remove moisture. • If humidity in room is above the set humidity, then unit will run. • Be sure all doors, windows and other openings are securely closed. • Be sure unit is level and that there is sufficient air circulation around the unit, as well as between unit and floor. • Make sure there are no curtains, blinds, or furniture blocking the unit. • If unit is near a source of moisture, such as a sink, shower, washing machine, etc., then relocate unit. • Check that filter, vents and bucket are thoroughly clean.
CONTINUOUS DRAIN NOT WORKING PROPERLY	<ul style="list-style-type: none"> • If using a garden hose (not included), be sure hose is CLEAN, pliable and no longer than 6 feet in length (recommended). Clear tubing with sizing of 0.5 inches (13 mm) for inner diameter is recommended. (Tubing not included.) • Hose should be secure on both ends, being especially mindful that it is pushed all the way onto connector piece inside unit. • Hose should exit through the back of unit and always be positioned at a DOWNWARD slope to the desired drain location. • Check that filter, vents and bucket are thoroughly clean. • Be sure nothing is obstructing hose connection and there are no kinks or tears in any of the hosing. • Ensure unit is level and not tilted forward and that bucket is pushed in all the way. Though the unit may appear level, if the surface it sits on is even slightly uneven and the front of the unit is tilted downward, continuous draining may not work. If necessary, slightly prop up the front of the unit, taking care that the unit does not fall backward. • If water is going into bucket instead of hose, the unit is working properly. Please double check all of the above and/or un-hook hosing set-up and start again.
WATER ON FLOOR	<ul style="list-style-type: none"> • Check the hose connection points to make sure they are not loose. • Ensure float is snapped properly into place inside the bucket. (See page 3 for description of “float” piece.) • Ensure foam piece is securely inside float and has not been removed (1PED50 and 1PED70 models only).

NOTE: THE FOLLOWING OCCURRENCES ARE NOT DEFECTS.

A HISSING NOISE OR HOLLOW SOUND	This sound is normal. It is generated from the refrigerant flowing in the pipes.
A SQUEAKING NOISE	This noise is generated from the unit when it expands or contracts with temperature changes.
THE UNIT DOES NOT IMMEDIATELY START OR CHANGE OPERATING MODE	To prevent overloading the compressor motor, after the unit has stopped (or entered a mode), it cannot resume operation (or enter a different mode) in the first 3 minutes afterwards.

NOTE

A highly recommended troubleshoot for any issue in general consists of turning off unit and unplugging for 5 minutes. It is also recommended to try another wall outlet. For further assistance, contact Consumer Services at 844-472-2473.

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Specification and performance data is subject to change without notice.

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