

# Owner's Manual

## Dri-Eaz DrizAir® Dehumidifiers

115-volt models: 1200, 2000, 2400

This is not a complete copy of the Owner's Manual. One can be provided upon request.

### READ AND SAVE THESE INSTRUCTIONS

## Use and Operation

### **WARNING**



#### FIRE AND ELECTRIC SHOCK HAZARD

Unit must be electrically grounded.

- Insert 3-prong plug on power cord directly into matching grounded receptacle.

- Do not use adaptor

Keep wiring and motor dry.

- Do not operate in standing water
- Do not operate in rain or snow.
- If electrical components become wet, allow them to dry before using.

**Read and understand manual before use.**

### INTRODUCTION

DrizAir dehumidifiers reduce humidity in enclosed structural environments by removing water vapor from the air. With proper use, DrizAir dehumidifiers can help dry wet materials like carpet, carpet pad, floors, walls, building contents and more. Using DrizAir dehumidifiers may also prevent secondary damage caused by high humidity.

For best results, we recommend you use DrizAir dehumidifiers with Dri-Eaz TurboDryer airmovers. The airmovers speed evaporation by lifting moisture into the air.

### HOW THE DRIZAIR DEHUMIDIFIER WORKS

DrizAir refrigerant dehumidifiers operate by pulling moist air in across a very cold evaporator core. The moisture condenses (freezes) on the coil. At intervals, the machine will go into defrost mode, warming the frost back to water. The water collects in a tray and leaves the unit through a drain hose or pump.

**IMPORTANT:** Before moving the unit, make sure there's no water in the pump. See how to use the PURGE function under "How to use the touchpad controller" on page 3.

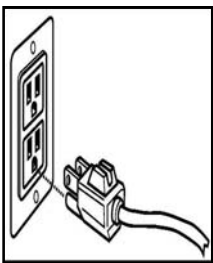
### SETTING UP A DRYING AREA

#### Use in an enclosed space

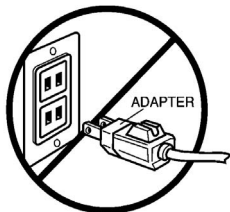
You should operate DrizAir dehumidifiers in an enclosed area, as this creates a drying chamber. Close all doors, windows or areas that open to the outside to maximize the unit's water removal efficiency. Also, keep traffic through the drying chamber to a minimum.

#### How to position the DrizAir dehumidifier

- Place your DrizAir dehumidifier in the middle of a room away from walls and contents
- Keep it away from anything that could prevent airflow into and out of the unit.



Use a 115V, 3-prong grounded connection



Do not use with an adapter

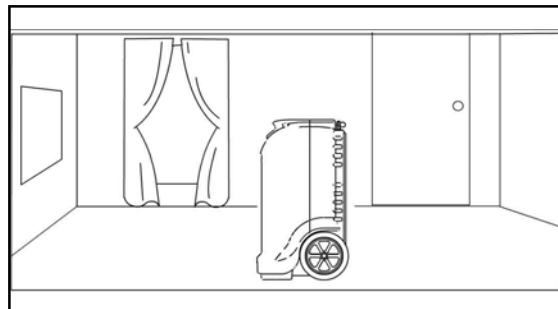
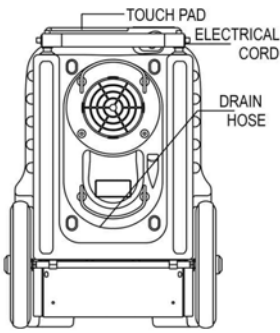
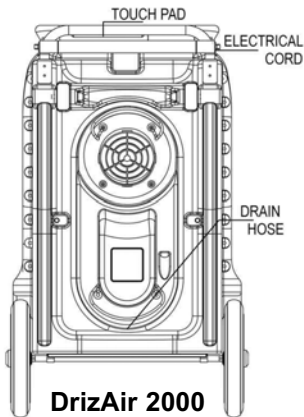


Illustration of proper dehumidifier placement

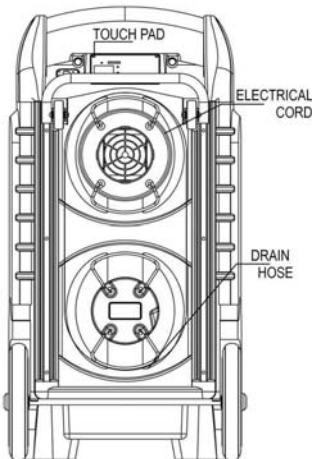
# READ AND SAVE THESE INSTRUCTIONS



**DrizAir 1200**



**DrizAir 2000**



**DrizAir 2400**

## CAUTION

Do not operate DrizAir dehumidifiers at temperatures above 90°F (32°C). This can cause damage to both the machine and the structure's contents. Over-dried materials (especially wood products) may crack, shrivel, or discolor. Use of a dehumidifier in high-heat conditions will reduce its efficiency and the life of the machine.

### Managing temperature rise

DrizAir dehumidifiers warm the air as they remove moisture. Optimal drying temperatures range from 68-85°F (20-29°C).

The most accurate way to monitor temperature is with a thermo-hygrometer; however, you can use an indoor/outdoor thermometer to gauge temperature just make sure it's located in the center of the room away from the airflow of the dehumidifier.

If the temperature rises to unsafe levels (over 90°F/32°C) you can use the structure's HVAC (air conditioning) system to bring the temperature down. Just set it to 80°F (27°C), and continue to operate the dehumidifier. If there's no HVAC system, call a Dri-Eaz at 888-867-3235, and a Technical Specialist help you find an appropriate solution.

## OPERATING YOUR DRIZAIR DEHUMIDIFIER

### Setup

Place dehumidifier upright. If you transport a DrizAir dehumidifier in a horizontal position, set it upright (vertical) for at least 30 minutes before you turn it on. This is necessary because when the machine is horizontal, the oil from the compressor flows into the refrigerant coils reducing the ability of the dehumidifier to function.

### Locate drainage system

The Evolution LGR pump connects to a plastic drainage hose. On the DrizAir 1200 and 2000, you'll find the hose wrapped around the air outlet located on the back of the unit. On the 2400, it's just below the outlet (see diagrams to left). Unwrap the entire hose (see caution below) and place the unattached end in a sink, drain, bucket even outside; anywhere that water can drain out safely. If you use a bucket or contained receptacle for water collection, check it regularly.

## CAUTION

Uncoil and straighten the entire drain hose. Do not leave any of portion of the hose coiled on the unit. Also check for kinks, or obstructions that would restrict the flow of water. Failure to do so may cause a water backup in the pump resulting in leakage.

## CAUTION

### Dust can cause unit to overheat and shut down.

Do not operate unit when dust or airborne particles are present, such as during sanding or spray-painting.

Inspect and clean coils frequently

**Read and understand manual before use.**

### Plug in electrical cord

Locate the electrical cord either on the top or back of the unit. The entire line of DrizAir dehumidifiers runs on a 115-volt (15 amp) grounded outlet, which is standard in most homes. For the DrizAir 1200, 2000 and 2400, press the "on" button on the touchpad.

If the unit experiences a loss of power, which can result from a power interruption or overheating, we recommend you let the unit sit off for five minutes before restarting. Otherwise it might shut off again.

# READ AND SAVE THESE INSTRUCTIONS



Illustration of Touchpad

## HOW TO USE THE TOUCHPAD CONTROL KEYS

The Touchpad on DrizAir dehumidifiers has one display and four keys. The normal display messages are:

<b>DEHUMIDIFIER OFF</b>	<b>CMPRSR DELAY</b>
<b>DEHUMIDIFIER ON</b>	<b>PUMP PURGING</b>
<b>TOTAL HRS</b>	<b>DEFROST ON</b>
<b>JOB HRS</b>	<b>GET SERVICE ERO1</b>

When you first plug in the unit, the touchpad display will cycle continuously through three messages: DEHUMIDIFIER OFF, TOTAL HOURS, and JOB HOURS.



**ON-OFF.** Press the ON-OFF key to turn the unit on or off. When turning the machine on, usually the display reads CMPRSR DELAY and performs a numeral count down from a maximum of 60 seconds to 0. The compressor delay gives the machine time to warm up (when needed). If you don't see a compressor delay countdown, the machine is ready to go. Once the unit completes the CMPRSR DELAY, the display reads DEHUMIDIFIER ON, and continues to cycle between TOTAL HOURS, JOB HOURS and DEHUMIDIFIER ON.

Press the ON-OFF key again to turn the unit off. The display will read DEHUMIDIFIER OFF.



**DISPLAY.** Press the DISPLAY key to stop the display at DEHUMIDIFIER ON or OFF, TOTAL HOURS, or JOB HOURS as it cycles. Press DISPLAY again to re-start the display cycle.

### How to change the language display

#### CAUTION

While in the change-language mode, pressing other keys can change the programming of the machine. Do NOT press other keys you're not instructed to press.

Use the DISPLAY key to change the display language. Follow these steps:

1. Start with the unit unplugged.
2. While holding down the DISPLAY key, plug the unit in. The display reads ENGLISH.
3. To change to FRANCAIS, DEUTSCH, or ESPANOL, press the DISPLAY key or the CLEAR key.
4. When the desired language is shown in the display, unplug the unit, and the language is set.





**CLEAR.** Press the CLEAR key to reset the JOB HOURS:

1. As the display cycles between DEHUMIDIFIER ON, JOB HOURS, OR TOTAL HOURS, press the DISPLAY key when JOB HOURS appears on the screen. That will make the display read JOB HOURS steadily.
2. Then press the CLEAR key to re-set the numerals to 0000.
3. Press DISPLAY again to re-start the display cycle.

**NOTE:** the TOTAL HOURS reading cannot be re-set.

# READ AND SAVE THESE INSTRUCTIONS

 <b>WARNING</b>

<b>ELECTRIC SHOCK HAZARD</b>
Unplug unit before performing any maintenance.
Never use a water hose or pressure washer to clean coils; water could enter the electrical compartment causing a shock hazard.
<b>Follow cleaning instructions in manual.</b>



**PURGE.** Press the PURGE key to empty water from the pump reservoir. During normal operation, the pump purges automatically every six minutes, or whenever the reservoir is full. The display will read PUMP PURGING with a numeral countdown.

To purge the pump manually:

- 1) Turn the power off using the OFF key, and let the unit sit plugged in for about 10 minutes. This allows water to drip from the coils.
- 2) Press PURGE to remove residual water.

### Other displays

#### **Defrost cycle**

During normal operation, the temperature sensor detects frost forming on the coils, causing a defrost cycle to start. The display will read DEFROST ON. Dehumidification stops during the defrost cycle. When the unit completes the cycle, the display returns to DEHUMIDIFIER ON.

#### **Error messages**

When the display menu shows the error message "GET SERVICE," followed by "ER01" or another numeral, follow these steps:



1. Unplug the unit and then plug it back in. This may re-set the electronics.
2. If that does not fix the problem, try the solution (if one is listed) in the "Error Message Table" to the left.
3. If that does not fix the problem, contact the Dri-Eaz Service Department at 888-867-3235.

**Error Message Table**

ER 1,2,3,5,6	Problem with electronic control panel. Contact Dri-Eaz Service at 888-867-3235.
ER 4	Check the temperature or sensor cable, contact Service for instructions 888-867-3235.
ER 8	Check the touchpad key. Press and release each key several times.
ER 9	Check for obstructions or kinks in the drain hose.

## Maintenance

### MAINTENANCE INTERVALS

 <b>WARNING</b> 
<b>ELECTRIC SHOCK HAZARD</b>
Unplug any DrizAir dehumidifier before performing maintenance.

#### **Before Each Use**

- Inspect the electrical cord for damage. Look for fraying, cuts, etc. Do not use the unit if you find any. Call Dri-Eaz for the nearest Service Center 888-867-3235.
- Inspect filter. Look for accumulated dust and dirt that would restrict airflow through the filter into the unit. If any is visible, vacuum out the debris. **Do not wash the filter**, as it will reduce the effectiveness of the electrostatic material.

#### **IMPORTANT: Replace the filter whenever**

- **It has been vacuumed clean 3 times**
- **It has been used on a mold remediation job**

#### **Monthly**

Remove housing, in order to locate the coils, catch basin, float shaft, and drain hose.