IDEALair™

COMMERCIAL-GRADE
Dehumidifier

ENVIRONMENTALLY FRIENDLY · R410A REFRIGERANT · R410A REFRIGERANT · R410A REFRIGERANT · R410A REFRIGERANT ·

User Manual

Thank you for choosing our dehumidifiers.

This owner's manual will provide you with valuable information necessary for the proper care and maintenance of your new dehumidifier. Please take a few moments to read the instructions thoroughly and familiarize yourself with all the operational aspects of this dehumidifier.

IDEAL AIR
Commercial-Grade
60 Pint Dehumidifier
Model: 700895

IDEAL AIR
Commercial-Grade
100 Pint Dehumidifier
Model: 700896

"The perfect dehumidifier or use with humidity controllers"

AUTOMATIC RESTART allows unit to be used with humidity controllers.

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Please follow all of safety precautions listed here for your safety and for your dehumidifier to operate at optimal performance.

● Do not use if there is damage to the power cord. Do not plug into wall.

● Do not crimp, clamp, or stress the power cord.

● Do not set dehumidifier on uneven ground

● Do not set dehumidifier directly in front of the windows to avoid getting wet by rain

● Do not use chemical or corrosive object on dehumidifier.

● Do not set the dehumidifier near a heat source (or allow direct heat onto the unit).

● Do not spill liquid on the dehumidifier

● Do not wash or soak the dehumidifier

● Plug directly into a grounded outlet; do not use multi outlet adapters

● Do not put hands or fingers into the air outlet frame or heat exhaust holes

● Do not disassemble the unit or component parts unless directed to do so by a qualified Technician.

● Keep children away

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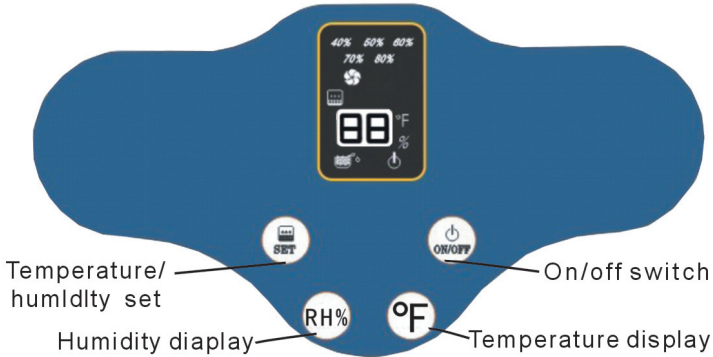## Precautions of Dehumidifier Usage

Warning: Before usage, the dehumidifier should be set upright on a level surface for at least 2 hours.

● The dehumidifier is powered by AC 110V/60Hz. To avoid damage on to the dehumidifier, only plug into a 110 volt outlet.

● Do not disassemble the case and other covers of the dehumidifier (incl. air outlet, front plate, etc.). If service is needed, it should be performed by a qualified service technician.

● Always plug into a grounded outlet.

● Keep children away from the dehumidifier.

Dehumidifier Maintenance and Precautions

● Clean surfaces with a soft cloth (do not use solvents, gasoline, or a strong detergent). Hand wipe only. Do not immerse in water.

● Do not spill the water, detergent or liquids into unit. If this happens, unplug dehumidifier at once.

● Inspect removable filter once a month and clean as necessary.
   If dust or dirt is collecting inside the dehumidifier, thoroughly clean and filter with warm water and let it dry thoroughly.

● Turn on fan for 2 hours in sunshine to dry dehumidifier completely.
Keep dehumidifier in a dry place. Keep children away from dehumidifier.

● Do not smoke or eat near dehumidifier. Do not place anything on top of dehumidifier.

● Do not place dehumidifier near dangerous materials that are flammable, explosive, gas filled, ect.

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How to use the LCD/LED panel controller

Temperature/ humldlty set

On/off switch

Humidity diaplay

Temperature display

The buzzer will sound once when first plugged in and the indoor temperature will automatically appear on the display.

Press "On/Off" button and controller LCD/LED will light up, dehumidifier compressor and fan will start running.

Press "Set" button to choose from a range humidity settings 40%: continuously dehumidifies. 50%, 60%, 70%, 80% runs the compressor to regulate indoor temperature and humidity.

Press " F " button to display temperature.

Press " RH% " button to display humidity.

"Water Tank Full" LED will light up when water tank is full. Buzzer will make 15 warning sounds. Compressor and fan will automatically shut off.

Specifications

Model NO.	700895
Moisture removal pints/day	60pints/ (86°F 80% RH)
	36pints/ (80°F 60% RH)
Rated Voltage	115V-1 phase-60Hz
Power consumption	700W
Current	6.55A
Air Flow	177 CFM
Refrigerant	R410a (0.66lbs)
Applied Temperature	45°F--105°F

Model NO.	700896
Moisture removal pints/day	100pints/ (86°F 80% RH)
	60pints / (80°F 60% RH)
Rated Voltage	115V-1 phase-60Hz
Power consumption	1050W
Current	9.4A
Air Flow	265 CFM
Refrigerant	R410a (0.88lbs)
Applied Temperature	45°F--105°F

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Troubleshooting

If you experience any of the problems listed below,please check the solution possibilities before calling a customer service representative.

Step	PROBLEM	POSSIBLE CAUSE	SOLUTION
1	Burning smell or no display.	Power supply voltage is not in the specified range.	Please check whether the Power supply Voltage is between AC110~120V / 60Hz.
2	Unit doesn't operate.	Power cord disconnected.	Plug power cord into outlet.
		Water tank full indication lamp blinking (Tank is full or in a wrong position).	Empty water in drainage tank and then reposition tank back.
		Is Temperature of room above 95°F or below 40°F?	Protection device is activated and unit cannot be started. Please operate the machine within 40°F~95°F.
3	No airflow	Is air filter clogged?	Clean air filter as instructed under "Cleaning the dehumidifier".
		Is intake duct obstructed?	Remove obstruction from intake duct.
		Is discharge duct obstructed?	Remove obstruction from discharge duct.
		Is fan operating?	Replace fan assembly.
4	Operation is noisy	Is unit tilted or unsteady?	Move unit to a stable sturdy location
		Is air filter clogged?	Clean air filter as instructed under "cleaning the dehumidifier"
		Is fan loose or rubbing on piping or wiring?	Secure fan wheel or move obstruction.
7	Unit does not respond when "ON" button is pushed.	No electricity through the power cord.	A) Verify power to the outlet. B) Verify unit is plugged in.
		The main board is defective.	Replace the main board.
8	Control Panel failure code shows " E1 "	Temperature sensor broken.	Replace a new Temperature sensor.
9	Control Panel failure code shows " E2 "	Humidity sensor broken	Replace a new Humidity sensor.
10	Control Panel failure code shows " HI "	The main board is broken.	Replace with a new main board.
11	Control Panel make a "beeping" sound.	The control board is broken.	Replace with a new control board.

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Step	PROBLEM	POSSIBLE CAUSE	SOLUTION
12	Fan indicator light does not illuminate.	The Room temperature is below the low limit (40°F) or above the high limit (95°F) temperature.	In order to protect the machine, it will work again until the room temperature is above the low limit temperature (40°F) and below the high limit (95°F).
		Fan is broken	Replace with a new Fan.
13	The dehumidification effect is reduced (doesn't produce very much water)	Possible refrigerant system problem.	1) Run unit set to 40% RH. Touch coil to ensure it is cool. 2) Check unit for signs of a leak, this would likely be an oily residue somewhere on or in the unit. If leak found, contact Ideal Air Technical Support.
14	Compressor does not run	Compressor start capacitor or Compressor circuit problem	1) Check RH set point to ensure it is set lower than room RH 2) Gently shake compressor to try to initiate rotation. 3) Call Ideal Air Tech Support for further help.
15	Compressor stops and starts repeatedly	The compressor start capacitor broken	Replace with a new run capacitor,
		Main board broken	Replace with a new main board

Dehumidifier Components

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All Ideal Air Products come with a limited 1 year warranty. At our option we will either repair or replace any Ideal Air Dehumidifier that fails in the first 12 months from a manufacture defect. For a complete Limited Warranty Description, go to: www.Ideal-Air.com

IMPORTANT

Product Defect?
Not working properly?

DO NOT return this product to the store where you purchased it.

Contact Ideal Air Support directly at
support@ideal-air.com or 877-943-3251.

For answers to the most common questions and a complete technical support library please visit at **www.ideal-air.com**