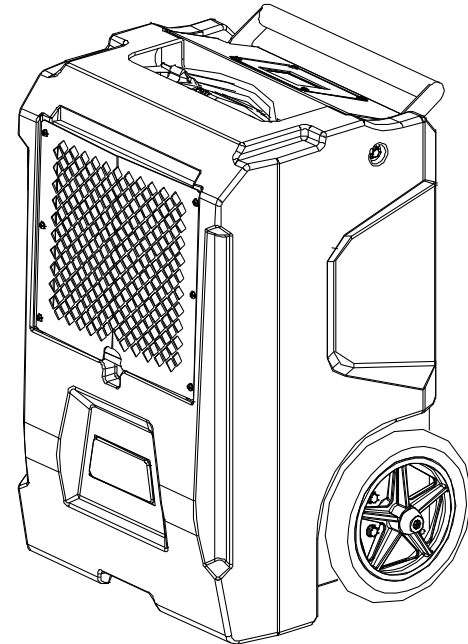




Owner's Manual

Storm DP Dehumidifier

- (110-120V/60Hz, 220-240V/60Hz, dual-voltage)
- (110-120V/60Hz, single-voltage)



Intertek

ALORAIR SOLUTIONS INC.

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WARRANTY

EXCLUSIONS:

DAMAGE DUE TO THE FOLLOWING IS NOT COVERED UNDER WARRANTY

1. ACTS OF NATURE- INCLUDING BUT NOT LIMITED TO:

- FLOODING
- FIRE
- WATER DAMAGE
- HURRICANE/STORM DAMAGE

2. IMPROPER USAGE- INCLUDING BUT NOT LIMITED TO:

- POOL/SPA/TUB APPLICATIONS
- MISUSE, ABUSE, OR TAMPERING WHETHER INTENTIONAL OR ACCIDENTAL
- IMPROPER INSTALLATION OR DESIGN
- IMPROPER VOLTAGE
- LACK OF NORMAL CARE
- FAILURE TO FOLLOW INSTRUCTIONS

3. CORROSION

4. FREEZING

5. ANY ADDITIONAL COSTS DUE TO CHANGES IN LAWS OR BUILDING CODES

6. FREIGHT CHARGES

7. ANY COSTS DUE TO LOST PROFIT OR DELAY

8. DAMAGE TO PROPERTY

9. CAUSE BEYOND CONTROL

10. CONSUMABLE PARTS, INCLUDING BUT NOT LIMITED TO:

- FILTERS
- BATTERIES
- POWER CORDS
- VALVES
- SWITCHES
- RUBBER PARTS

11. DIRECT, INDIRECT, COLLATERAL OR INCONSEQUENTIAL DAMAGES OF ANY KIND

THE WARRANTIES AND LIABILITIES SET FORTH ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, IN LAW OR IN FACT, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. Alorair's total liability, regardless of nature of claim shall not exceed original purchase price of the product if a product or component is replaced while under warranty, the applicable warranty period shall not be extended beyond the original warranty time period.

The foregoing shall constitute the total liability of seller in the case of defective performance of all or any of the equipment or services provided to buyer. buyer agrees to accept and hereby accepts the foregoing as the sole and exclusive remedy for any breach or alleged breach of warranty by seller.

Any dishonesty or fraud in connection with Alorair warranty thoroughly voids all warranty policies. Alorair expressly reserves the right to pursue legal action in the event of dishonesty, fraud, or attempted fraud.

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WARNING

Please read and understand these warnings and instructions before using the machine.
Do not operate this device with the case opened or canceled.

WARNING

Do not adjust or correct the machine in any way. Only use and replace parts authorized by ALORAIR products. Modify or use approved parts.
It may cause danger or damage the machine, and the warranty will become invalid. You should contact your dealer for assistance in this regard.

WARNING



1. Make sure to unplug the power plug before servicing.

2. Risk of electric shock

Before opening the machine cover, make sure to unplug the power cord.

Make sure the power cord is properly grounded.

Check that the power cord is not damaged. If the plug is damaged, do not use the machine.



3. Be careful that moving parts can injure your hands. Make sure the power plug has been unplugged before servicing.



4. The surface of the device may be hot. Allow the equipment to cool before performing maintenance procedures.

Limited Warranty

All warranty benefits apply to the original owner only. Warranty cannot be transferred or assigned.

1 YEAR (FROM DATE OF PURCHASE): AlorAir warrants the dehumidifier will operate free of defects in workmanship and materials. At its discretion, AlorAir will repair or replace any malfunctioning components, free of charge (excluding transportation costs)

3 YEARS (FROM DATE OF PURCHASE): AlorAir warrants the refrigeration circuit (compressor, condenser and evaporator) will operate free of defects in material or workmanship. At its discretion, AlorAir will replace defective parts, including factory labor or refrigerant. This does not include transportation.

5 YEARS (FROM DATE OF PURCHASE): AlorAir warrants the compressor, condenser, and evaporator will operate free of any defects in material or workmanship. At its discretion, AlorAir will repair or replace the defective parts. This does not include labor, transportation, or refrigerant.

CUSTOMER RESPONSIBILITIES: In order to take advantage of the warranty service, the customer must do the following:

1. Customer must provide normal care and maintenance (including, but not limited to cleaning filters, coils and pumps)
2. Removal and re-installation of unit is the sole responsibility of owner.
3. If customer cannot return unit to certified repair center, all costs associated with freight shipment are borne by the customer. In addition, all duties related to freight shipments, including but not limited to palletizing, wrapping, labeling, and pickup are associated with customer.
4. If shipped, customer is responsible for all risk of loss or damage.

AlorAir Warranty Steps:

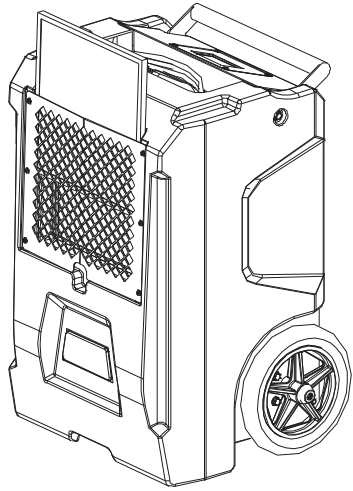
1. Once goods are received, customers must log in www.alorair.com fill out the warranty Registration form and submit to AlorAir company. We will receive your purchasing and installation information and save it. If no warranty registration is sent to us, warranty period will begin the day the shipment left the warehouse. Please be sure to record serial # and date of installation. You will need this information to receive the RA number.
2. If warranty service is necessary, customers must contact **AlorAir** Tech Support by sales@alorair.com or local technical service phone to receive a Return Authorization (RA number). Once an RA has been issued, customers should bring the unit to a certified repair center. AlorAir will arrange the shipping to bring the unit back to the Alorair warehouse (at the expense of the customers) if customers are not available.
3. After the unit has been received by **AlorAir**(whether at a repair center or the warehouse), AlorAir will have an initial inspection. If it is determined to be invalid warranty claim (see exclusions below), customers have to pay for all associated repair costs and shipping costs for units repair.
4. Customers can pick up the unit after repair at their own expense for shipping. Units will have a rigorous testing before sending it back to customers
5. If the unit can no longer be fixed, and it is in the warranty period and determined to be valid claim, we will ship the customer a new unit within the same year warranty from the date of replacement.
6. After parts are repaired or replaced by AlorAir, the original warranty period continues to apply until it meets its deadline. No extensions to the original warranty period.
7. The warranty is only valid if it is purchased from an authorized seller.

Cleaning the Machine Body

Use a soft, damp cloth to clean the exterior parts of the unit. Do not use any soap or solvents.

Procedure for filter maintenance

The dust and obstacles on the filter should be removed regularly. You may need to clean and replace the filter.



Step:

1. Unplug the unit.
2. Remove the filter by sliding it upward from the bottom by hand to remove it.
3. Check for dirt and build-up.
4. For MERV-8 or Pre-filter, wash it in warm water or vacuum it. Do not use soap or cleaners. Also, shake it gently and ensure the filters are dry before reinserting it.

OVERVIEW

Storm DP Dehumidifier has an extremely high water-repellent capacity, which makes the machine an authorized machine to meet recovery needs. The flexible installation makes it ideal for almost all applications. It is the best choice for all urgent post-water injection repair tasks (elimination of moisture and early prevention of mold growth). Its wide range of applications include flooding and restoration, carpet cleaning, laundry, merchants, garages, etc... or anywhere you need to extract moisture at a professional level.

New generation surface scratch resistance polyethylene shell 25% than the previous generation. The self-developed rotating shell design is easy to maintain and beyond imagination. Telescopic handles and rubber tires are stacked together for easy transportation. Under the condition of unchanged performance, the volume of the whole machine is 40% smaller. Simplified user controls include a large LCD display and APP control. It can control the dehumidifier at home anytime and anywhere, plus the built-in pump to pump water through the dehumidifier more intelligently.

FEATURES

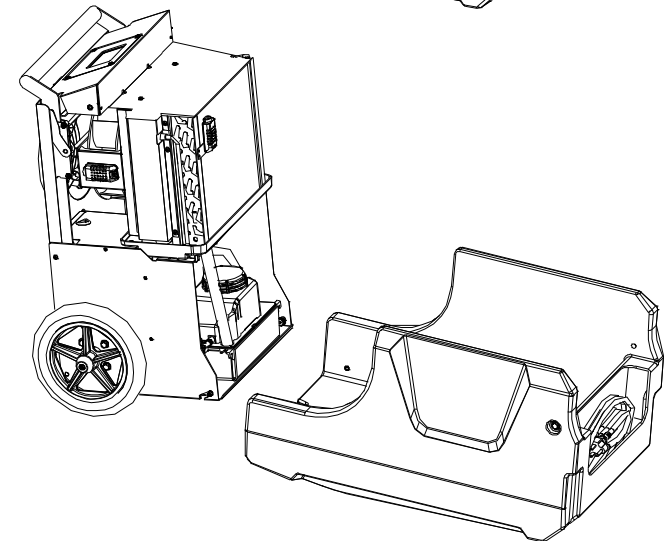
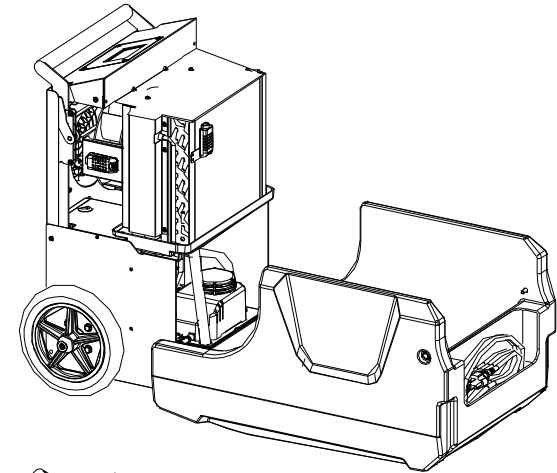
Smart Wi-Fi & APP control
Easy clean – shell can be opened to access all components
Easy to store wires and hoses
Built-in Condensate Pump
Environmental R410A Refrigerant
Sturdy handle-Large Diameter Wheels
Microchannel Cold a Heat Exchanger
Rotational Molded Body
Superior Stacking
Rotary Compressor
Ducting Options
Water-Full Protection
Automatic Humidistat Control
Quick Connection to Cable/Hose
Memory Starting
MERV-8 Filter
Low Temperature

SPECIFICATIONS

Power(dual-voltage):110-120V/60Hz,4A,220-240/60Hz,2.8A
Power(single-voltage):110-120V/60Hz,4A
Size For: Up to 1,300 sq.ft
Filter: MERV - 8 Filter
Airflow: 210 CFM, 350 CMH
Sound Pressure Level: < 58 dBA
Refrigerant: R410A
Wheel: 2 Wheels
Draining: Condensate Pump
Functioning Temperature Range: 35.6~100.4 °F
Functioning Humidity Range: 25~80%
Water Removal (AHAM): 50 PPD@80 °F-60%
Weight(dual-voltage):70.5 lbs
Weight(single-voltage):57.3 lbs
Unit Dim(L x W x H): 14.9" X 14.6" X 23.1"

MAINTENANCE

1. Remove the two screws on the mold cover.
2. Rotating shell.
3. Tilt the machine at a certain angle to remove the casing from the machine.
4. Clean the inside of the machine. Soap insolvants should not be used.



TROUBLESHOOTING

Symptom	Cause	Solution
A blank Display	Inappropriate Connection	Check and ensure that the two ends of the power code are properly plugged in
	Power Outage	Try to have the power reset
The air is not flowing	A dirty Filter	The filter should be cleaned
	A blocked air outlet and inlet	Remove the blockage
Error Code: E1	Communication or humidity sensor error	Ensure the sensor wire is properly connected at the two ends. If no issue is visible, it shows that the sensor is faulty.
Error Code: E4	Problem with Pump	Verify that the pump is properly installed and functioning. If so, unplug the unit for two minutes, then restart.
Error Code: LO	It comes forth when the temperature in the room falls below 33° F	The temperature in the room must be increased and should be above 33°F. If an error is displayed, you may need to check the sensor.
Error Code: HI	It occurs when the room temperature is above 105°F	Reduce the temperature to below 105°F. But if the error is still being displayed, check the sensor.
E5 Error Code	Leaking of the Refrigerant	Get help from installation assistant.



Wi-Fi connection successful.



Connection to server failed.



Hotspot direct successful icon.

OPERATION NOTES GUIDELINES

The unit should be operated stored and transported on stable surfaces. For efficiency purposes, the windows and the doors should be closed avoid placing the unit in a place where the air outlet and inlet are blocked.

Drain Hose Notes

It comes with a drain line connection that is easily plugged in the unit .

The drain line may be directed into the drain or the sink .

For proper drainage, uncoil the hose before you deploy it to use.

The end of the hose should never be placed at the height of 15 feet.

Always ensure that the drain hose is not blocked before you embark on using it.

Transportation Notes

During transportation, you must secure the dehumidifier using elastic bands.

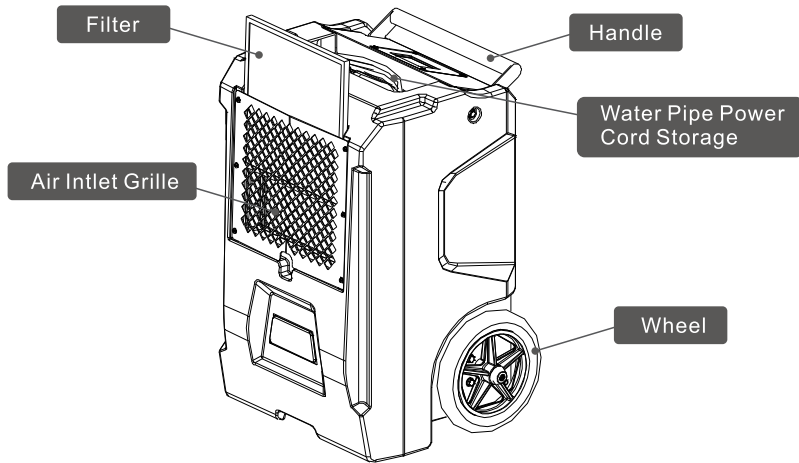
If the unit is transported vertically, let it stand in a normal position for not less than 30 minutes before using it.

How it works

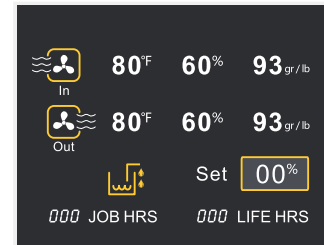
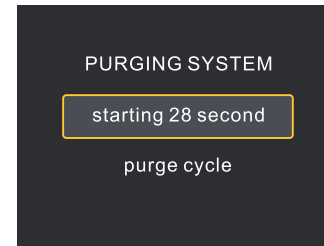
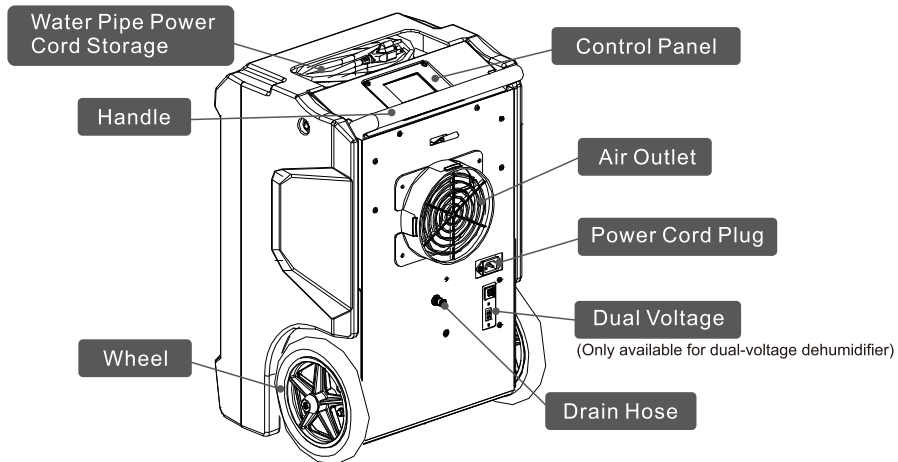
The dehumidifier uses an integral humidistat in monitoring the conditioned space. As soon as the conditions get beyond the desired level, the air is energized. The compressor will then push it across the evaporator coils. The coil is cooler than the dew point. So the water vapor will be forced to condensate into liquid. The cool air will then be reheated before it is distributed into the room.

Storm DP Dehumidifier

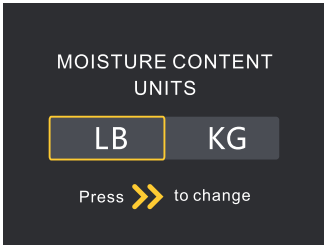
Front View



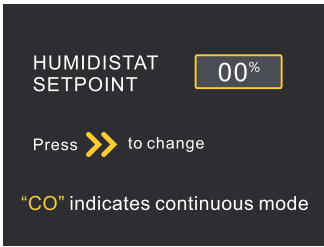
Back View



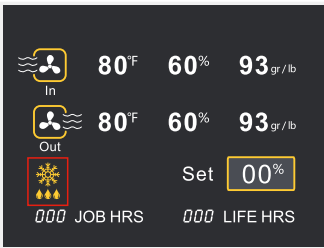
5.1 When the purge button is pressed the display will tell the user on the dashboard that the pump is draining and display a 30-second countdown timer. Until the machine finishes draining, the display will also prompt the user on the dashboard that the machine is draining automatically, and display a 30-second countdown.



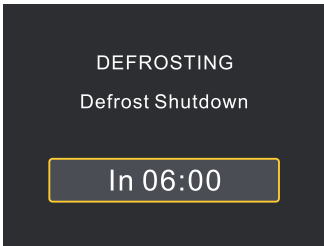
4.7 Press the “Set button” to switch GPP units between gr/lb. or gr/kg. Press the “MENU button” to confirm the selection and advance to the next screen. GPP= Grains per pound (GR/LB)



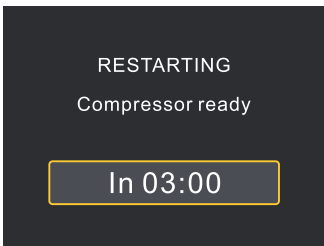
4.8 Press the “Set button” to adjust the set point RH% in 5% increments ranging from 25 to 80% RH. and then loop back to CO. Adjust to CO mode, dehumidifier always running. Press the “MENU button” to confirm selection and advance to the next screen.



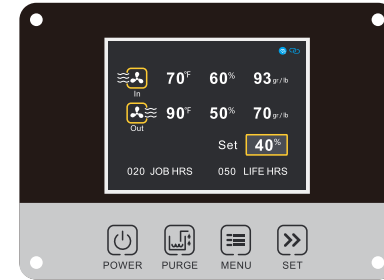
4.9 The display prompts the user that the defrost cycle is in progress. The defrosting status is displayed on the main interface as a flashing icon until the defrosting ends and the defrosting lamp disappears. In the meantime, please wait patiently for the machine to finish frosting.



5.0 The compressor is in a protective condition. During this period, please be patient and wait for the countdown to end. The dehumidifier will automatically turn on after the countdown.



OPERATION



Press the **POWER** button to turn the dehumidifier ON and OFF.



Press the **PURGE** button to purge the machine.



Press the **MENU** button to advance to the next screen or to enter a value.



Press the **SET** button to scroll through available values.

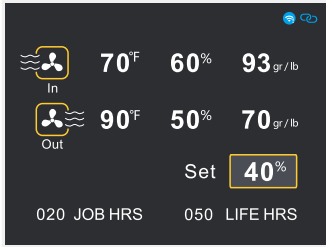
OPERATION NOTES GUIDELINES



1. When the unit is plugged in you will see the AlorAir LOGO.



2. The display will inform the machine is in shutdown mode, press the “Power button” to turn on.



3. When the machine is in dehumidification mode, the display will show:



In: Temperature, Humidity, GPP of the current inlet. GPP= Grains per pound (GR/LB)



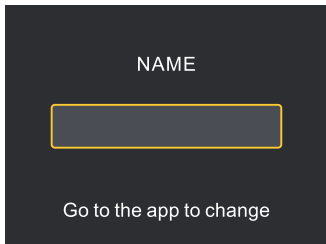
Out: Temperature, Humidity, GPP of the current outlet. GPP= Grains per pound (GR/LB)



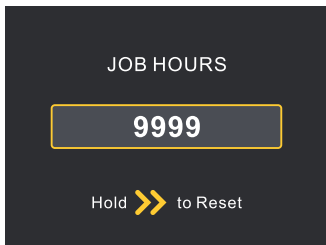
Set: The humidity value currently Set (the machine will stand by after the humidity reaches the Set value)



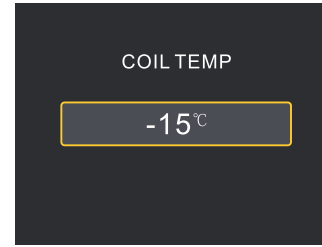
Job hours and Life hours display.



4.1 Press the MENU button to enter the submenu. Device name displayed on the screen. Go to the APP to change only applicable to an app-controlled dehumidifier. Press the MENU button to confirm selection and advance to the next screen.



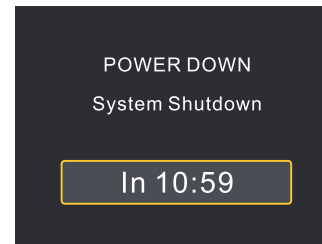
4.2 Display the working hours of this time. Press the MENU button to confirm selection and advance to the next screen.



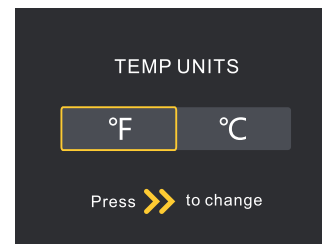
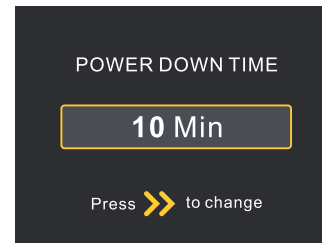
4.3 The screen displays the Coil temp. Press the MENU button to confirm selection and advance to the next screen.



4.4 Wifi Hotspot: Factory setting is "OFF", press "set button" to enable Wifi hotspot and switch ON/OFF. The device can transmit data and receive APP commands. The icon flickers when connected to the main interface. After a successful connection, the icon displays normally. Only applicable to APP-controlled dehumidifier. Press the MENU button to confirm selection and advance to the next screen.



4.5 Press the "power button" to turn off the dehumidifier, the dehumidifier will go through a shutdown cycle. The shutdown cycle can be adjusted according to "Settings", and the shutdown cycle can be adjusted from 3 minutes to 20 minutes to better drain the water.



4.6 Press the Set button to toggle the temperature units between °F and °C. Press the MENU button to confirm selection and advance to the next screen.