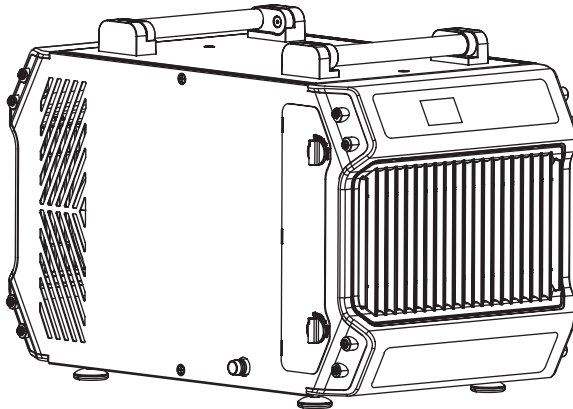




GALAXY 60

USER GUIDE MANUAL

Specifications subject to change without notice.



AlorAir Solutions INC.

Add: 14752 Yorba Ct Chino CA 91710 US

Tel: 1-888-990-7469

E-mail: sales@alorair.com

WARRANTY REGISTRATION

Thank you for choosing the Galaxy Dehumidifier. We appreciate your trust in our product, and we are pleased to offer you a comprehensive warranty plan. To activate your warranty, kindly complete and return the enclosed warranty form found in the dehumidifier box.

Please make a note of your dehumidifier's serial number, as this information is essential for the registration process.

SAFETY NOTES

1. Electrical Connection:

- Always connect your Galaxy Series Dehumidifier using a grounded electrical connection, as required for all electrical appliances. The use of non-grounded wiring will void the warranty, and any liability reverts to the owner.

2. Maintenance and Repair:

- Only qualified technicians should handle the maintenance and repair of Galaxy Dehumidifiers. This ensures proper care and performance.

3. Proper Orientation:

- Operate the dehumidifier with the unit sitting on its feet and level. Using the unit in any other orientation may lead to water flooding electrical components.

4. Moving the Dehumidifier:

- Always unplug the dehumidifier before moving it. If there is a possibility of water flooding the unit, allow it to dry thoroughly before reconnecting to electrical power and restarting.

5. Clearance Requirements:

- To ensure proper operation, maintain a minimum of 6 feet clearance for the inlet and 36 inches clearance for the discharge. Position the dehumidifier with the discharge blowing away from a wall and the inlet pulling air in parallel to a wall for optimal air diffusion.

6. Safety Precautions:

- Do not insert fingers or any objects into the inlet or discharge.
- All work on the dehumidifier should be done with the unit turned "off" and unplugged.

7. Cleaning:

- Do not use water to clean the exterior of the machine. Before cleaning, unplug the unit from power, and then use a damp cloth to wipe the exterior.

8. Usage Caution:

- Do not stand on the machine or use it as a device to hang clothes.

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IDENTIFICATION

For future reference, write down the model name, serial number, and date of purchase for your dehumidifier. This is extremely helpful if you need to seek assistance in the future. The data label is located on the side of your unit.

Model Name: Galaxy 60

Serial Number: _____ **Date of Purchase:** _____

For additional questions concerning your dehumidifier, the following options are available:

- Contact your installing contractor
- E-mail: sales@alorair.com

ELECTRICAL SUPPLY

Power Supply: 115 V, 60 Hz AC, Single Phase

Outlet Requirement: 3-Prong, GFCI

Circuit Protector: 15 Amps

WARNING: 240 Volts AC may cause serious injury from electric shock.

To minimize the risk of electric shock, please adhere to the following guidelines:

1. Disconnect Power Before Servicing:

- Always disconnect the electrical power supply before servicing or performing maintenance on the dehumidifier. This step is crucial to ensure your safety.

2. Grounded Electrical Circuit:

- Plug the unit into a properly grounded electrical circuit to prevent electric shock. Grounding is essential for the safe operation of the dehumidifier.

3. Avoid Using Extension Cords:

- Do not use extension cords with the dehumidifier. Plug it directly into a suitable electrical outlet. Using extension cords may pose a safety risk.

4. Avoid Using Plug Adapters:

- Refrain from using plug adapters with the dehumidifier. Plugging the unit into an appropriate electrical outlet without adapters is necessary to maintain safety standards.

OPERATING PRINCIPLE

Overview:

The Galaxy Series Dehumidifier employs an integral humidistat to monitor the environmental conditions within the designated space. The operational process is designed to maintain optimal humidity levels for enhanced comfort.

Functional Description:

Humidity Monitoring:

- The integrated humidistat continuously monitors the relative humidity in the conditioned space.

Activation Trigger:

- When the observed relative humidity surpasses the preset target, the dehumidifier activates automatically to address the excess moisture.

Evaporator Coil Operation:

- As the dehumidifier activates, air is drawn across an evaporator coil. This coil is maintained at a temperature lower than the dew point of the air.

Moisture Condensation:

- The cooler evaporator coil causes moisture in the air to condense, effectively extracting excess humidity from the air.

Reheating Process:

- The air undergoes a reheating process as it passes through the condenser coil, and the dehumidified air returns to the room at a comfortable temperature.

INSTALLATION

Pre-Installation Preparations:

Before installing your dehumidifier, ensure the area is properly sealed with a vapor barrier. In crawl spaces, seal all vents to enhance the unit's effectiveness.

WARNING: Corrosive Environments:

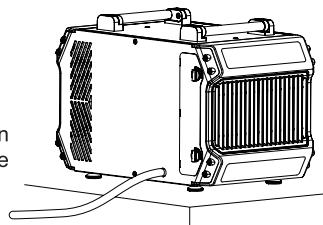
Avoid installing the dehumidifier in corrosive environments. Certain liquid vapor barriers may dry through "solvent evaporation." Ensure the vapor barrier is completely dry, and the installation area is thoroughly ventilated before proceeding.

Step #1: Placement:

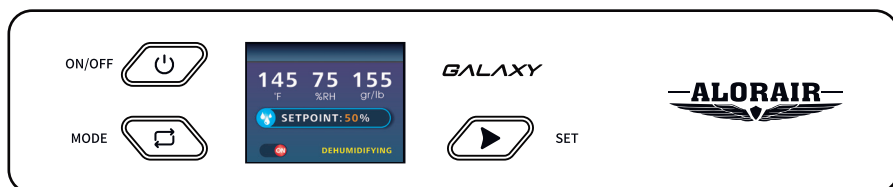
- Position the dehumidifier on a level surface using blocks or spacers. Allow 2 hours if the compressor isn't upright.

Step #2: Drain Line Setup:

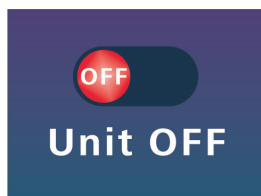
- Insert the water pipe into the drainage outlet.
- Direct the hose to a drain or container.
- Ensure the drain hose is unobstructed before use.
- The machine is placed on a flat surface of a certain height, making sure that the water pipe is lower than the machine.



OPERATION

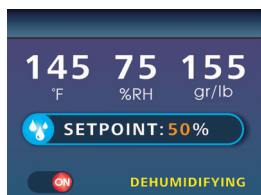


- Press this button to turn on/off the dehumidifier. Note that when turning off the dehumidifier, the fan will have a delayed shutdown. Please refrain from unplugging the power before the fan completes its shutdown process.
- Press this button to switch between sub-interfaces.
- Press this button to select options and confirm settings.



1. Plugged In - Shutdown Mode:

When plugged in, the display communicates that the machine is in shutdown mode, indicating readiness for powering on.

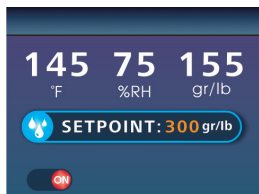


2. Dashboard - Humidistat Mode:

While dehumidifying in Humidistat Mode, the display presents:

- Temperature and Relative Humidity (RH)/(GPP).
- Set humidity value (Optionally set GPP).
- "Dehumidifying" status.

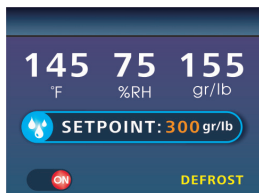
Note: GPP refers to Grains per Pound (gr/lb) and RH refers to Relative Humidity.



3. Standby Mode:

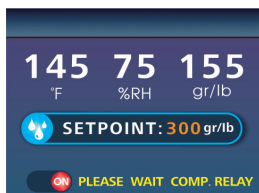
In Standby Mode, the display shows:

- Temperature and Relative Humidity (RH)/(GPP).
- Set humidity value.



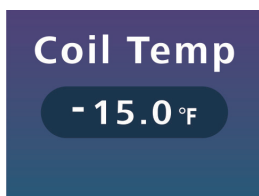
4. Defrosting:

The display communicates to the user that the machine is undergoing a defrosting cycle, indicated on the last line of the dashboard.



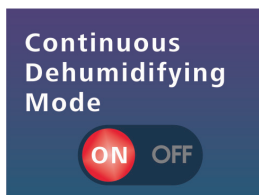
5. Compressor Protection State:

The display informs the user that the machine is in a compressor protection state, awaiting the compressor to run. This information is displayed on the last line of the dashboard.



6. Coil Temp:

The screen provides a display of the coil temperature, giving users real-time information about the operational temperature of the coil.

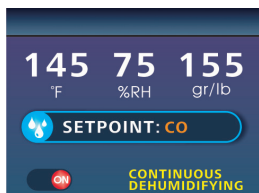


7. Continuous Dehumidifying Mode:

The default mode is Continuous Dehumidifying Mode "OFF." To toggle between Continuous Dehumidifying Mode On/Off, press the Set button.

If the continuous mode is turned off, the humidistat mode is automatically activated. Users can then enter the desired humidistat set point for operation.

When continuous mode is activated, the appliance runs continuously regardless of the humidity.



Humidity Control Mode

%RH gr/lb

8. Humidity Control Mode:

Users have the flexibility to choose between two humidity control modes:

- Relative Humidity (%RH)
- Grains per Pound (GPP) - measured in gr/lb

Humidistat Setpoint

35%RH

9. Humidistat Set Point:

Adjust the set point for Relative Humidity (%RH) by pressing the Set button. Increments of 1% can be selected, ranging from 35% RH to 90% RH. Use the Next button to confirm the selection and move to the next screen.

Similarly, adjust the set point for Grains per Pound (GPP) in 2 gr/lb increments by pressing the Set button. The range spans from 20 gr/lb to 200 gr/lb, looping back to 20 gr/lb. Select the desired humidity setting point for adjustment.

The machine operates when ambient humidity exceeds the set value and shuts down when the ambient humidity falls below the set value.

Grains per pound value setpoint

135 (gr/lb)

10. Fault Codes

- HI:** High temperature alarm
LO: Low temperature alarm
E4: Water full alarm
E5: Refrigerant leakage
E3: Abnormal coil temperature
E1: Sensor fault

HI LO E4
 E5 E3 E1
 Service Required

11. Status Icon



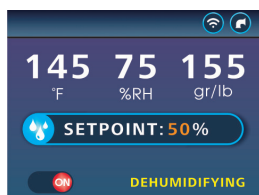
Pipe mode requires connection to the controller.



This icon does not light up when the network is not configured, flashes when the network is configured, and stays on when the network has been successfully configured and the network is normal. (only the Wi-Fi version has this function.)

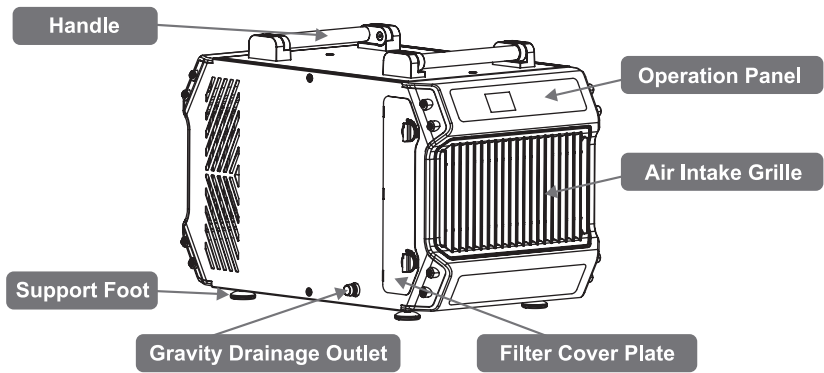


Network anomaly

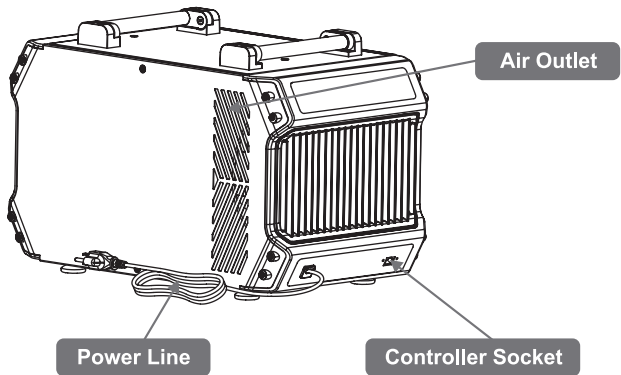


DIAGRAM

Front View



Back View



MAINTENANCE INSTRUCTIONS

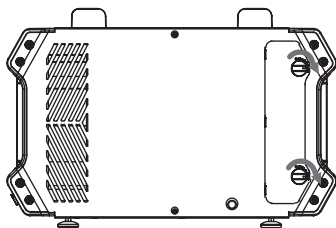
Before Use:

- Examine the power cord for any indications of damage, such as fraying. If damage is observed, replace the cord before using the dehumidifier to ensure safety.
- Inspect the filter for signs of dirt or obstructions. Replace the filter as necessary to maintain optimal performance.
- Check the coils for any signs of buildup and clean them if required.

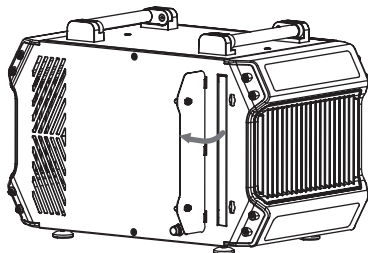
Cleaning the Machine Body:

To clean the exterior of the unit, use a soft, damp cloth. Avoid using any soap or solvents during the cleaning process.

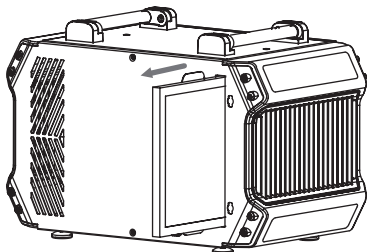
Replace the Filter:



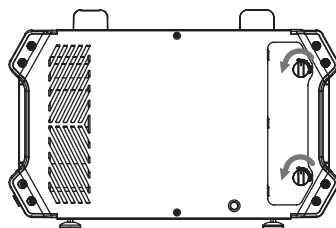
1. Rotate the knob to open.



2. Lift the cover plate.



3. Slide out the old filter and replace with a new filter.



4. After replacing the filter, close the cover plate and rotate the knob to close.

Coil Maintenance:

- Annually, perform maintenance by cleaning the coils using an approved coil cleaner.
- Use a self-rinsing, foaming coil cleaner, such as WEB® Coil Cleaner, for effective and thorough maintenance.

DEHUMIDIFIER STORAGE

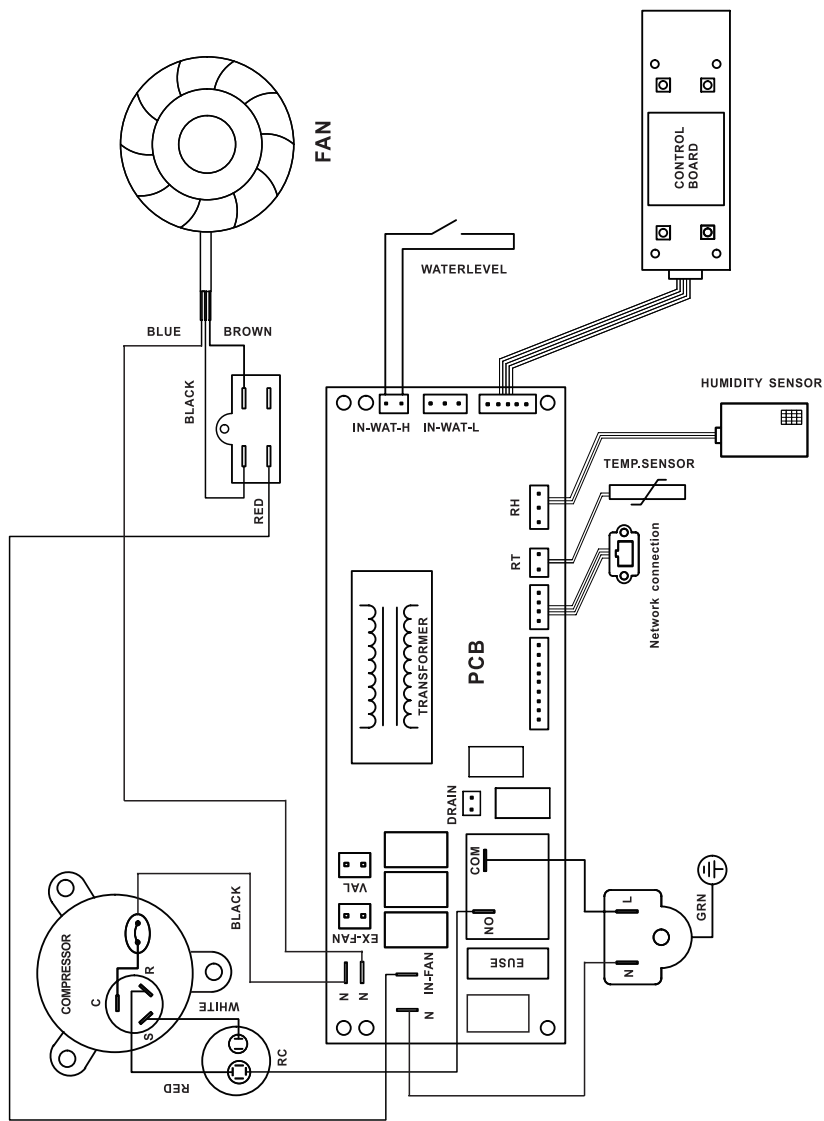
If the unit will be stored for an extended period of time, complete the following steps:

1. Turn off the unit and allow to dry.
2. Wrap and secure the power cord.
3. Cover the filter mesh.
4. Store in a clean, dry space.

TROUBLESHOOTING

Problem	Cause	Solution
Machine Won't Run	Power supply issue	Confirm power to the outlet and proper plug installation.
	Room temperature is over 104°F (Display HI) or below 33.8°F (Display LO)	The dehumidifier is experiencing operation issues due to being subjected to temperatures outside the optimal range. Adjust ambient conditions to maintain a temperature within the range of 33.8°F to 104°F, and the unit will initiate its operation.
Low Air Flow	Air filter is clogged	Replace the filter.
	Air inlet or outlet is blocked	Clear the blockage from the inlet or outlet.
Loud Noise	Machine is not level	Move the dehumidifier to flat, firm ground.
	Filter mesh is blocked	Replace the filter.
Trouble Code: E1	Humidity Sensor Issues	Ensure the wire is connected at both ends. If no issues are visible, the sensor may be faulty. Replace defective sensor.
Trouble Code: HI or LO	Room temperature is over 104°F (Display HI) or below 33.8°F (Display LO)	The dehumidifier is experiencing operation issues due to being subjected to temperatures outside the optimal range. Adjust ambient conditions to maintain a temperature within the range of 33.8°F to 104°F, and the unit will initiate its operation. If room temperatures are within the temperature range, the sensor may be faulty. Replace defective sensor.
Trouble Code: E3	Abnormal coil temperature	Contact your installer for assistance.
Trouble Code: E4	Water full alarm	Check whether water pipes are clogged or bent.
Trouble Code: E5	Refrigerant leak	Contact your installer for assistance.

WIRING DIAGRAM



LIMITED WARRANTY

This limited warranty starts from the date of purchase. AlorAir Solutions Inc. Warrants to the original purchaser that this AlorAir product is free from manufacturing defects in material or workmanship for the limited warranty period of:

Six (6) Month parts and labor. This includes the shipments charges for replacement parts or unit.

One (1) year parts and labor. This does not include the shipment charge to send the defective product back to be repaired or replaced.

Three (3) years parts and labor on Refrigeration System ONLY (Compressor, Condenser, and evaporator). Transportation cost, not included.

Five (5) years parts on Refrigeration System ONLY(Compressor, Condenser, and evaporator). Transportation cost, not included.

This limited warranty is valid only on products purchased from the manufacturer or AlorAir authorized dealer and operated, installed, and maintained according to the instructions included in this user guide or furnished with the product. AlorAir Solutions Inc will not provide in-home service during or after the warranty period. You may be responsible for the shipping charge to bring the product to the manufacturer for service.

To receive warranty service, the purchaser must contact AlorAir at 888-990-7469 or sales@alorair.com. A proof of purchase or order number is required to receive warranty service. During the applicable warranty period, a product will be repaired or replaced at the sole option of AlorAir.

IMPORTANT NOTICE: Keep the item's packaging in case warranty service is required.

LIMITED WARRANTY EXCLUSIONS

This limited warranty covers manufacturing defects in materials or workmanship encountered in normal household, commercial or noncommercial use of this product and shall not cover the following:

- Damage occurs in uses for which this product was not intended for.
- Damage caused by unauthorized modification or alteration of the product.
- Cosmetic damage including scratches, dents, chips, and other damage to the product's finishes.
- Damage caused by abuse, misuse, pest infestation, accident, fire, floods, or other acts of nature.
- Damage caused by incorrect electrical line current, voltage, fluctuations, and surges.
- Damage caused by failure to perform proper maintenance of the product.

The use of this product in SPA or a room with OUTDOOR POOL invalidate or voids limited warranty.



— Restoration & Moisture & Ventilation —



WARRANTY REGISTRATION CARD

Return To:
AlorAir Solutions

ORDER NUMBER: _____

MODEL: _____ **SERIAL #:** _____

INSTALLER: _____ **INSTALLATION DATE:** _____

NAME: _____

ADDRESS: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

PHONE #: _____ **EMAIL:** _____



- ▶ If you have any questions, please feel free to contact us at 888-990-7469 or visit www.alorair.com
- ▶ Register your unit for warranty using this link: www.alorair.com/page/Warranty--Warranty-registration
- ▶ Warranty Registration <https://www.alorair.com> or scan this barcode to direct you to the warranty registration website.



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