

**CADPX**S



**Model: AppleAiro Dehumidifier**



# **INSTALLATION, OPERATION & SERVICE INSTRUCTIONS**

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## CAUTIONARY WARNING

- The appliance is not being used above the elevation level of over 2000 m (6562 ft.)
- The appliance is only designed to be USED INDOORS.
- If being used in a wet area, plug it into a GROUND FAULT INTERRUPTER.
- DO NOT use the appliance as a bench or table.
- The appliance must always be used in a horizontal position.

## WARNING

Read the operation and maintenance instructions carefully before using this unit. Proper adherence to these instructions is essential to obtain maximum benefit from your AppleAiro dehumidifier.

- It is designed to be used INDOORS ONLY.
- If used in a wet area, plug it into a GROUND FAULT INTERRUPTER.
- DO NOT use the AppleAiro as a bench or table.
- It must always be used in the upright position

# INTRODUCTION

Claiming to be the World's Most Powerful Dehumidifier for its Size, the AppleAiro sure promises to deliver a lot in its small size.

This machine can eliminate any kind of musty odors or dampness in your crawl space by drying and filtering the air.

It is highly efficient, it can provide an extraordinary performance of around 85 pints per day capacity and can over 2,300 sq,ft of dry air per minute in the room where it is kept.

## ELECTRICAL SUPPLY

Power Supply: 110-120 VAC, Grounded

Outlet Requirement: 3-Prong

Circuit protector: 15 Amp

## SPECIFICATIONS

Power: 6.48 amps

Water Removal: 85 pints/day @ AHAM (80°F, 60%)

Water Removal 10.625 gal/day maximum @ AHAM

Blower: 210 CFM

Functioning Humidity Range: 25-80%

Operating Range: 35.6°F to 105°F

Filter: 12×10×0.75 in Pleated Media MERV-8

Size: 22.2×12.2×14.2 in

Weight: 78 lbs

## INSTALLATION AND OPERATION GUIDE

### Selecting the Location

- Place the Unit in an Upright Position.
- The location of the operation should be an enclosed area.
- The location should allow constant air circulation.
- The location should have power outlet at about 6 meters of the device as that is the length of the cord.
- Keep the Dehumidifier away from any moisture-laden air in the working area.

### Power cord Installation

Connect the plug of the connector of the power to the power outlet of the appliance.

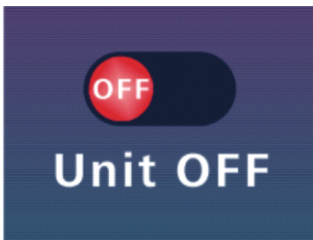
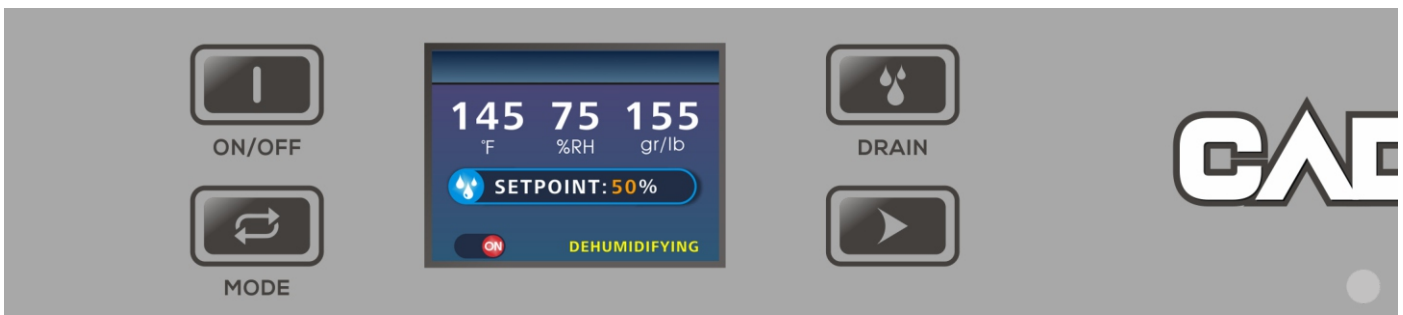
## Drain Hose Installation

1. Attach the hose inlet to the drain outlet located on the graph appliance.



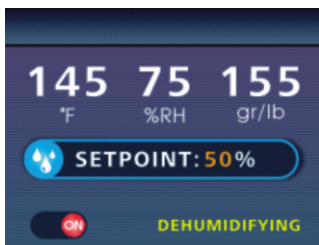
2. Allow the hose to be set off to a drain or a sink or even to a container that can collect the discharged water.

# OPERATION



### 1.1.Plugged in - Shutdown Mode

When plugged in, the display will communicate to the user that the machine is in Shutdown mode and ready to be powered on.

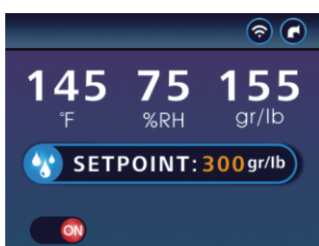


### 1.2.Dashboard

Dashboard while in Humidistat Mode

When the machine is dehumidifying the unit will display:

- Temperature and RH/GPP
- Set humidity value (Optionally set GPP)
- Display: Dehumidifying
- GPP = Grains per pound (gr/lb)



### 1.3.Standby Mode

In Standby Mode, the display will also show Temperature/RH/GPP/Set humidity value.

## 1.4. Navigation

Press the  key to advance to the next screen .

Press the  key to scroll through available values .



## 1.5. Purging

Press the  button to purge the machine.

The display will communicate to the user that the machine is purging.

The last line of the control panel display “DRAINING”. This will momentarily replace float switch until the machine has finished purging. Work cycle lasting 14 seconds.

While in Humidistat Mode, When the water level reaches, the unit will drain automatically.

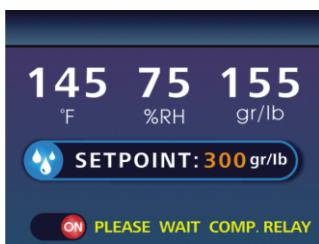
The last line of the control panel display “DRAINING”.



## 1.6. Defrosting

The display will communicate to the user that the machine is defrosting on the last line of the dashboard.

This will momentarily replace grain depression until the machine has finished defrosting.



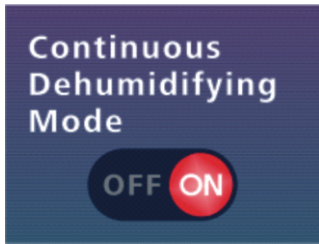
## 1.7. Compressor protection state

The display will communicate to the user that the machine is Waiting for compressor to run on the last line of the dashboard.



## 1.8. Coil temp

The screen displays the Coil temp.

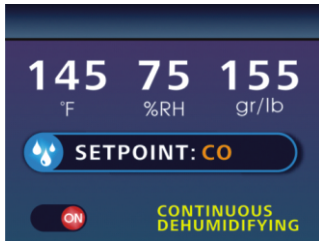


### 1.9. Continuous dehumidifying Mode

The default mode is continuous dehumidifying Mode "On".

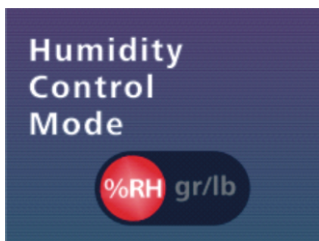
Press the Set button to toggle the continuous dehumidifying Mode On/Off.

If the continuous mode "off", the humidistat mode is automatically turned on, and then the humidistat set point is entered for operation.



The display will communicate to the user that the machine is continuously dehumidifying on the last line of the dashboard.

The set value shows "CO".



### 1.10. Humidity control mode

Users can choose between two modes for controlling humidity.

- Relative humidity=%RH
- GPP = Grains per pound (gr/lb)



### 1.11. Humidistat Set Point

Press the Set button to adjust the set point RH% in 5% increments ranging from 25% RH to 80% RH and then loop back to 25% RH. Press the Next button to confirm selection and advance to the next screen.

Press the Set button to adjust the set point (gr/lb) in 2(gr/lb) increments ranging from 20(gr/lb) to 200(gr/lb) and then loop back to 20(gr/lb) . Please select a humidity setting point for adjustment.



### 1.12. Diagnostic Codes

If the machine has an error and needs service, the onboard control system will display a diagnostic code. If **E1**, **E4**, **HI** or **LO** is displayed on the vehicle control screen, please refer to the following:

**E1:** Humidity Sensor or Communication Error

Solution: Check to ensure that the sensor wire is connected at both ends, if no issues are visible, the sensor may be faulty.

**E4:** Problem with Pump

Solution: Verify that the pump is properly installed and functioning. If so, unplug the unit for two minutes, then restart.

**LO:** Room Temperature is below 35.6°F

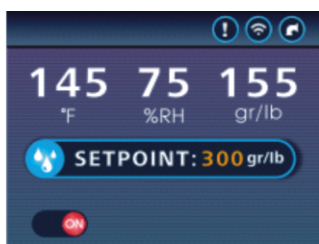
Solution: Increase the room temperature so it is within operation range (above 35.6°F). If error is still displayed, check the sensor.

**HI:** Room Temperature is above 105°F





Solution: Decrease the room temperature so it is within operating range (below 105°F). If error is still displayed, check the sensor.

**E5:** Refrigerant Leak

Solution: Contact us for Assistance.



### 1.13. Status icon

-  : Wi-Fi connection successful
-  : To automatically activate or deactivate the dehumidifier when the air conditioner runs. Air conditioning to control dehumidifier, dehumidifier locked.
-  : Pipe mode requires connection to the controller.
-  : Connection to server failed.

## MAINTENANCE

### Unit Maintenance

- Always clean the surface of the housing with a damp cloth.

Do not clean with water directly.

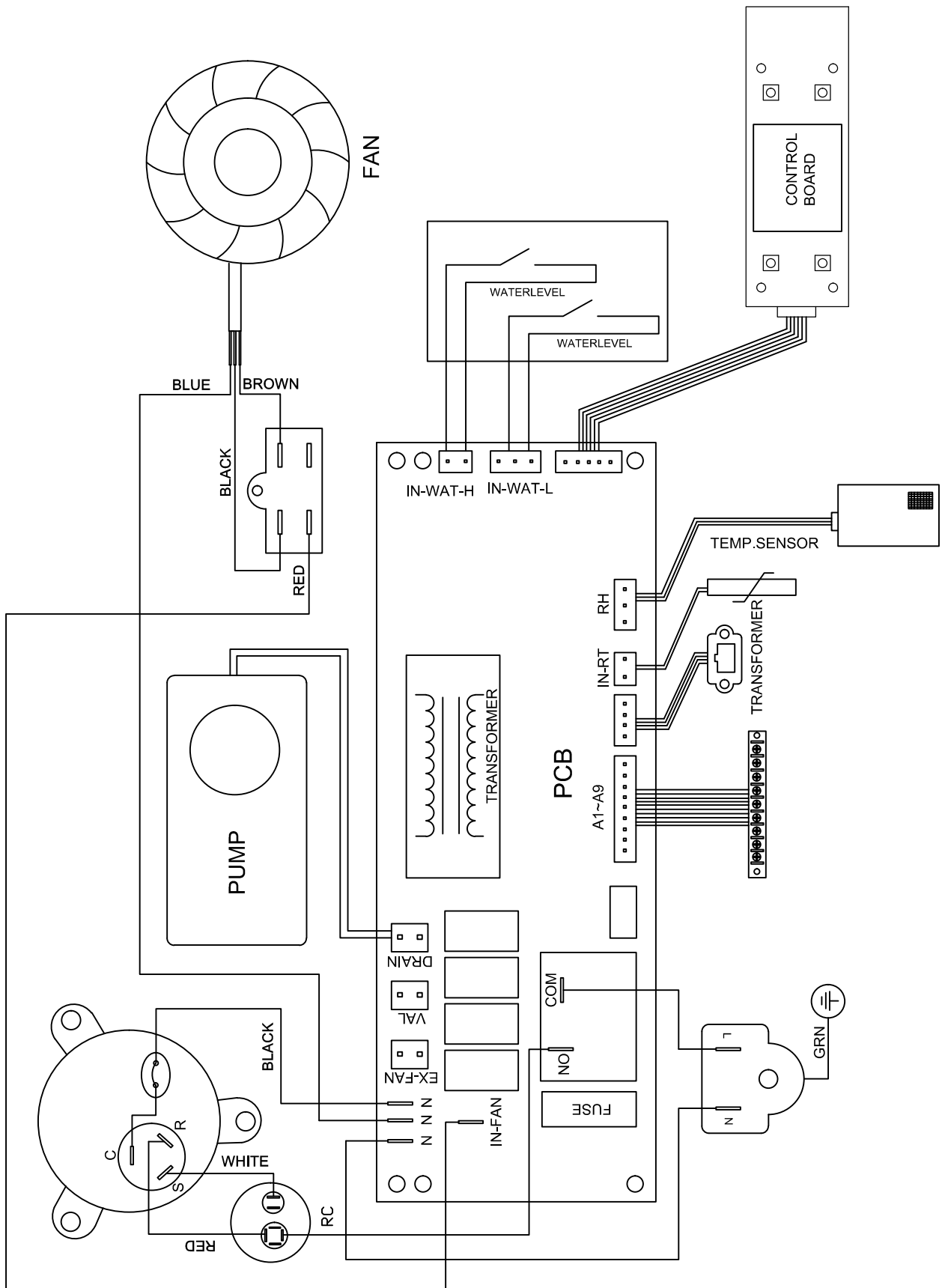
- Always store the machine in a dry and cool indoor place, away from sunlight as well as chemicals and out of children's reach.

### Filter Maintenance

1. Unplug the unit.
2. Slide-out the filter from the side.
3. Check the filter for dirt and buildup.
4. Clean the filter mesh by vacuuming it or washing with warm water (no soap or cleaners). Gently shake the filter dry then reinsert it. If there is dirt or buildup, replace the filter.



# WIRING DIAGRAM



# **BUMPER TO BUMPER WARRANTY**

By choosing CADPXS, you will be sure that you have a commercial-grade dehumidifier that will perform the job it is designed for. These are state of the art dehumidifiers that are backed with a bumper to bumper warranty.

## **BENEFITS OF CADPXS WARRANTY**

A CADPXS bumper-to-bumper warranty covers the entire product and accessories, electrical parts and components, safety equipment and instruments.

It does not cover parts of the product that wear and tear with time. It does not cover routine maintenance tasks. Parts damaged by you, an accident, or improper maintenance are also not covered.

Coverage from dealerships can be more costly due to the fact that it may be rolled into your product payment plan and accrue interest. Third-party extended warranty costs will vary depending on the make and model of your product, your product usage history, and other factors.

If you want to avoid unexpected expensive repairs, a bumper-to-bumper warranty can protect you financially and provide you with peace of mind that you'll be taken care of. product service contracts also usually include added benefits such as technical assistance, repairs, and in some cases installation assistance.

## **WARRANTY REGISTRATION**

CADPXS believes in the quality of its products. This is why it stands behind its products and gives a more extended warranty than what you can get elsewhere. To CADPXS, a longer warranty is an important aspect of our service. This is the reason why the company fully supports its bumper to bumper warranty.

The warranty is valid if claimed by an original buyer and if bought from CADPXS, authorized reseller or dealer. The company covers the cost of the components, the cost of labor required to repair the unit. However, the cost of disassembling, transportation, and installing the product will be paid by the client.



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