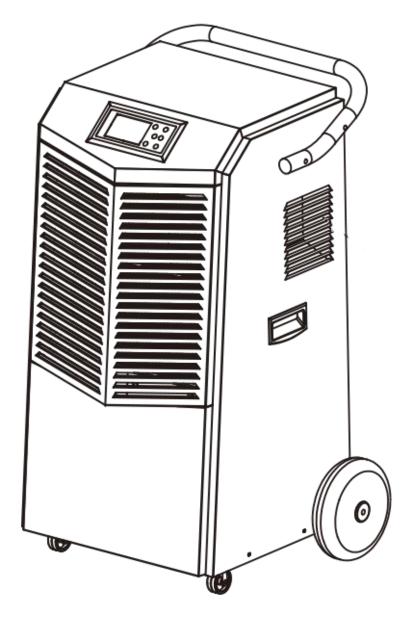# Colzer Dehumidifier
User Manual

Model No.: CFT4.0D

Please read this User Manual before operating and keep safe for future reference.

Welcome

Thanks for choosing us!

COLZER is dedicated to keeping people healthy, comfortable and more enjoyable by offering quality appliances range from dehumidifiers, air purifiers, humidifiers to refrigerators, wine coolers, ice makers, and more. From breathing easier in your office to upgrading your kitchen appliances, we hope you trust COLZER to help you every step of the way.

We do hope you'll enjoy the dehumidifier you purchased from us.

Before plugging in your new dehumidifier, we suggest that you read this user manual as it contains important safety information, operation instructions, troubleshooting, maintenance tips, and warranty information to ensure the reliability and longevity of your dehumidifier.

We also kindly ask you to take a few minutes to register your product at **https://colzer.com/pages/join-vip** for more efficient support as well as updates, promos, and other cool stuff. Although greatly appreciated, product registration is not required to activate any warranty.

It is our goal that you are always happy with what you bought from us, so please let us know if your buying experience was anything short of excellent.

We're always just an email away.

To access customer support, please email to **service@colzer.com** with your purchase order ID to help us address the problem faster and serve you better.
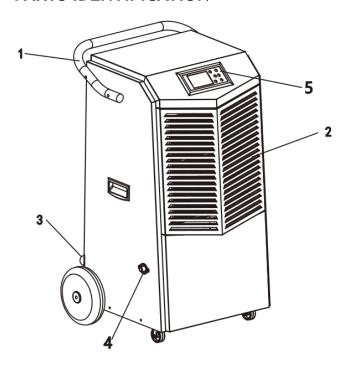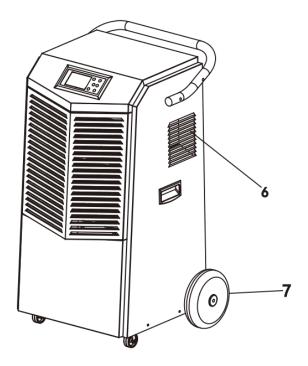
Thank you again!

CONTENTS

SAFETY INFORMATION

• Install the dehumidifier on flat surface to minimize vibration and or noise.

• Inspect the power cord before use. Never operate the dehumidifier when the power cord or plug is damaged.

• Insert the three-prong plug on the power cord into a matching electrically grounded outlet (115V/ 60 Hz, 16 A at least).

• Do not use an adapter. Never cut off the third prong. Do not use an extension cord.

• Do not operate the dehumidifier in standing water. Keep motor and wiring dry.

• Never immerse the dehumidifier into water or other liquids.

• Do not put the dehumidifier close to heat-generating devices, including flammable or dangerous materials.

• Unplug the power supply before cleaning or storing the dehumidifier. Always grasp the plug (not the cord) to unplug.

• Do not put fingers or other items into air inlet or air outlet.

• Never insert any other objects into the dehumidifier body.

• Do not sit, stand or put heavy objects on the dehumidifier.

• This dehumidifier should only be used by adults who have read the manual and understand the operating procedure of the dehumidifier.

• The dehumidifier is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction by an adult.

⚠ **Never repair or remove plug and or power cord. Any repairs should be completed by qualified electrician or distributor.**

PARTS IDENTIFICATION

1. Handle
2. Air Inlet
3. Power Cord
4. Drain Outlet
5. Control Panel
6. Air Outlet
7. Wheel

NOTE: DO NOT OBSTRUCT THE AIR INLET OR OUTLET.

OPERATION INSTRUACTIONS

1. Install the Handle

1) Unscrew the pre-installed hand screws on both sides of the handle to take the handle off.

2) Install the handle as illustrated below, please note to align the holes on the handle with the holes on the dehumidifier.

3) Tighten the 4 hand screws securely until the handles secure tightly against the dehumidifier.

2. Position Your Dehumidifier

For best results, operate your dehumidifiers in an enclosed area. Close all doors and windows. Place your dehumidifier away from obstructions, and keep it away from anything that could block airflow into and out of the dehumidifier.
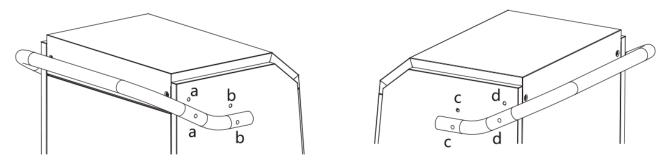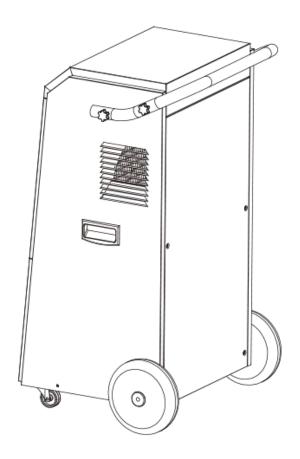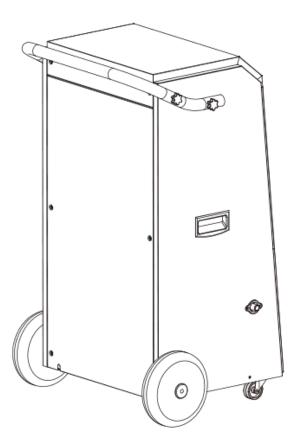
3. Set Up the Drainage

Attaching the included drain hose to the drain outlet on the right side of the dehumidifier to drain the condensation water automatically by gravity.

NOTE: You can use any other hoses with inner diameter of 5/8 (0.63) inches instead.

Unwind the hose and then direct the other end of the hose down to a suitable drainage facility, like a bigger external bucket or floor drain. The drainage facility should be lower than the drain outlet of the dehumidifier. Make sure the hose has no kinks and is unobstructed, so the water can be drained smoothly by gravity.

The ground

4. Plug in Electrical Cord

> **IMPORTANT**
>
> **Please let the dehumidifier stand upright for 24 hours before the first time plugging in.** The dehumidifiers may have been tilted or placed upside down during shipping. Leave the dehumidifier to stand upright for 24 hours so the oil in the compressor can settle from the move, not doing so can affect the performance or lifespan of the dehumidifier.
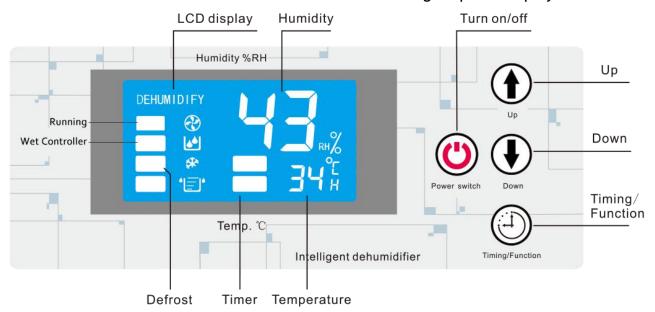
The dehumidifier needs to be plugged into a GFCI-protected 115 volt outlet rated for at least 16 amps. Uncoil the power cord and plug it firmly into a suitable outlet.

Note: When the dehumidifier is first plugged into AC power, the control panel display will light up for a second, which is part of the dehumidifier's self-diagnosis procedure and no user intervention is required.

5. Understand the Control Panel

The control panel on the dehumidifier has an LCD screen and 4 buttons. Press the POWER Button to turn the dehumidifier on. The LCD screen will light up and display the readouts.

(1) What is on the LCD Screen?

Big Font Digital Number (**43** on the above illustration) is humidity reading. If no operations on the control panel, this big font digital number is the humidity reading of the inlet air the dehumidifier detects which is similar to the room humidity level. When you are pressing the ↑ or ↓ button to set a desired humidity percentage value, the big font digital number will turn to display the setting value and flash.

Small Font Digital Number (**34** on the above illustration) is temperature reading of the

inlet air which is similar to the room temperature. However, if the timer function is being set or has been activated, the small font digital number will turn to display the timer setting value or time remaining.

Running Icon: Running icon flickers typically because the compressor has not kicked in. It usually happens 1) when the dehumidifier is under the 3-minute compressor delay status; 2) when the dehumidifier is programmed to delay-start (AUTO ON TIMER).

Wet Controller Icon: Wet Controller Icon flickers when the room humidity level (inlet humidity reading) is 3% lower than the set humidity.

1) When you see the "wet controller" icon illuminating while setting up, it typically means the set humidity level is not 3% lower than the inlet humidity reading. Please make sure the set humidity value is at least 3% (10% recommended) lower than the inlet humidity reading.

2) In Humidistat Mode, if you see "wet controller" icon illuminating after running the dehumidifier for a while, it means the dehumidifier has got the room humidity down to the set point and the dehumidifier enters into standby mode. When the room humidity level raises up to 3% higher than the set humidity, the dehumidifier will automatically restart to dehumidify. That is to say, the dehumidifier will automatically stop or restart to maintain the room humidity level within a range of ±3% of the set point.

For example, if the set humidity is 50%, when the inlet humidity level the dehumidifier detects is 47%, 3% lower than the set humidity, the dehumidifier will automatically stop and enter into "wet controller" mode. When the inlet humidity level the dehumidifier detects raises to 53%, 3% higher than the set humidity, it will automatically restart.

Defrosting Icon: The dehumidifier begins to defrost when the frost has accumulated on the interior of the dehumidifier. When the dehumidifier is defrosting, the fan is running, but the compressor is not, the defrost icon is flashing. The dehumidifying function will cease until the frost has melted. When defrosting is complete, the defrosting Icon will disappear and the dehumidifier begins to dehumidify again automatically.

Note: The frequent defrost process indicates that the room temperature is too cold. Therefore, if the room temperature is lower than 60°F, please consider adding heat to promote proper drying.

Fan Icon: The fan icon illuminates when the fan is running.

Water Droplets Icon: The water droplets icon illuminates when the compressor kicks in, which means the dehumidifier is dehumidifying. When the compressor delays to start due to the 3-minutes delay system, this icon flickers.

Timer Icon: Timer icon illuminates when the timer function is enabled.

(2) Understand the Control Buttons

Power Switch: Press to turn the dehumidifier ON or OFF.

Up Button: Press ↑ to increase the set-point of humidity level or timer.

Down Button: Press ↓ to decrease the set-point of humidity level or timer.

Timing/Function Button: Press once to check the settings. Press and hold for 3 seconds to enter Timer setting system.

6. General Operation Instructions

(1) Turn the dehumidifier on

Press the Power Switch to turn the dehumidifier on.

(2) Set a desired humidity percentage value

Press ↑ or ↓ button to set your desired humidity percentage value between 1%-98% in increment of 1%. 40%-60% is a general humidity setting guide. After selected the target value, press Timing/Function Button to confirm your setting, or let the setting be registered automatically after 5 seconds of no operations on the control panel.

Note:

• The dehumidifier with a humidistat will stop and start automatically to maintain the inlet humidity level the user has set. For example, if the set humidity is 50%, when the inlet humidity level the dehumidifier detects is 47%, 3% lower than the set humidity, the dehumidifier will automatically stop and enter into "wet controller" mode. When the inlet humidity level the dehumidifier detects raises to 53%, 3% higher than the set humidity, it will automatically restart.

• However, if the set humidity level is equal to or lower than 30, the dehumidifier will enter CONTINUOUS MODE where the dehumidifier will run continuously.

(3) Turn the dehumidifier off

Press the Power Switch to turn the dehumidifier off.

Note: To protect the compressor, the fan will continue to operate for 5 seconds after the dehumidifier has shut off. So please do not disconnect the power cord to force the dehumidifier to stop. Always use the power button.

7. Timer Setting

The TIMER function enables you to either Delay AUTO-ON or Delay AUTO-OFF the dehumidifier in the choice from 1 hour to 24 hours.

· **Setting an AUTO-ON timer:** When the dehumidifier is off, selecting Timer will turn the dehumidifier on in the hours that will be set.

· **Setting an AUTO-OFF timer:** When the dehumidifier is on, selecting Timer will turn the dehumidifier off in the hours that will be set.

Follow the below steps to set the TIMER:

1) Press and hold the Timing/Function Button for about 3 seconds, until you see the icon TIMER icon lights up and flashes and the small font digital number turns to display as 00 H;

2) Adjust the timer setting by pressing ↑ or ↓ button repeatedly to change the delay timer at 1-hour increments, up to 24 hours.

3) After selected the target timer value, press Timing/Function Button to confirm your setting, or let the setting be registered automatically after 5 seconds of no operations on the control panel.

4) The small font readout will count down the time remaining (8,7,6, etc.) until the dehumidifier either starts or stops.

5) To disable the timer function, manually turn ON/OFF the dehumidifier, or set the timer to 00.

Note:

· Before entering the AUTO ON TIMER setting, make sure power is being supplied to the dehumidifier.

· For the AUTO ON setting, please turn on the dehumidifier to select a desired humidity level. Otherwise, the humidity maintained will be the same as the previous setting.

· You can only set AUTO ON timer when the dehumidifier is off or set AUTO OFF timer when the dehumidifier is on, but not be able to set both AUTO ON and AUTO OFF timer at the same time.

· The TIMER feature is one-shot. So the TIMER will ONLY function one time instead of cycling the dehumidifier on or off indefinitely.

· The TIMER function will be disabled when the dehumidifier has been powered on/off manually.

· Set the timer as 00, the timer function will not be activated.

8. Smart Functions

(1) 3 Minutes Compressor Delay Mechanism

To avoid any damage to the dehumidifier, the dehumidifier will not start operation following a complete cycle until after 3 minutes. Operation will automatically start after 3 minutes. In other word, if you turn the dehumidifier off and then restart it immediately, the compressor will not kick in until 3 minutes later. During this period, you can see the RUNNING icon flashing on the LCD screen until the compressor kicks in.

(2) Auto Defrost

When the frost builds up on the evaporator coils, the compressor will cycle off and the fan will continue to run until the frost disappears. When the dehumidifier is defrosting, you can see the DEFROSTING icon light up on the LCD screen.

(3) Auto-Restart

If the dehumidifier shuts off unexpectedly due to power outage, the dehumidifier will restart with the previous function settings automatically when the power resumes.

(4) Temperature Protection Function

When the room temperature is higher than 113°F, the dehumidifier will automatically enter into HIGH-TEMPERATURE PROTECTION SYSTEM where the LCD screen displays an "HH" message and the compressor stops.

When the room temperature is lower than 40°F, the dehumidifier will automatically enter into LOW-TEMPERATURE PROTECTION SYSTEM where the LCD screen displays an "LL" message and the dehumidifier stops working.

Note: When you see HH or LL message under normal circumstances, please contact the customer service at service@colzer.com to get technical support.

MAINTENANCE

⚠️ **Ensure the dehumidifier is turned OFF and the plug is removed from the power socket before cleaning or maintenance is carried out.**
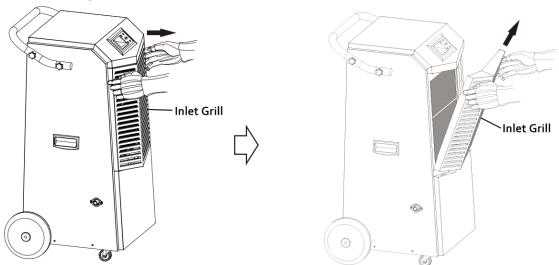
(1) Cleaning the Dehumidifier

Clean the dehumidifier body with a soft damp cloth. Do not submerge or place water on the dehumidifier or control panel. Water may damage the electronic components of the dehumidifier. Do not use chemical solvents such as benzene, alcohol, gasoline or other heavy-duty cleaners. The surface may become damaged or deformed.
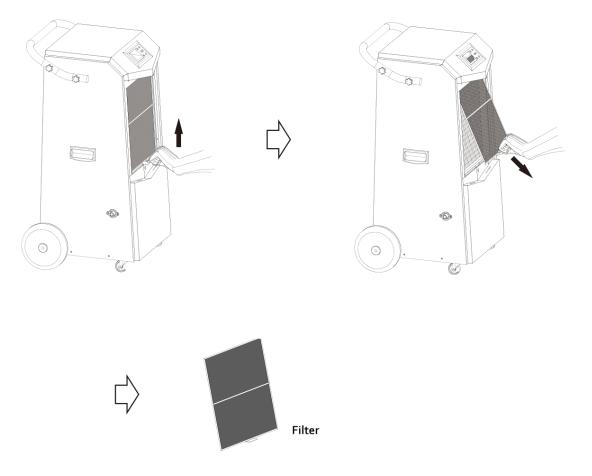
(2) Cleaning the Air Filter

The working performance of the dehumidifier will be greatly reduced if the filters become blocked. The air filter should be cleaned approximately every 2 weeks and may require more frequent cleaning if there is significant dander or fur in the air. The air filter is located behind the inlet grill.

Follow the steps below to take the filter out:

• **To remove the grill:** Hold the top part of both sides of the inlet grill and then pull upward to take the grill out, as illustrated below.

• **To remove the air filter:** Grasp the filter tab on the bottom of the filter, pull up for about 1 inch and then pull the filter obliquely down to take the whole filter out, as illustrated below.

Filter

Follow the steps below to clean the filter:

• Use a vacuum cleaner with a soft brush attachment to remove any large debris or dust build-up from the air filter.

• Wash the filter in lukewarm, soapy water, below 40°C (104°F), or use a neutral cleaning agent.

• Rinse the filter with clean water and dry thoroughly.

• Re-install the filter.

NOTE: DO NOT operate the dehumidifier without a filter because dirt and lint will clog it, reducing performance.

(3) When Not Using dehumidifier for Long Periods of Time

• Wait for 1 day after turning off the dehumidifier to complete drain.

• Clean the main dehumidifier and air filter. Ensure the whole dehumidifier is clean and dry.

• Wrap the cord and the hose and bundle them to keep them safe.

• Cover the dehumidifier with a plastic bag.

• Store the dehumidifier upright in a dry, well-ventilated place.

TROUBLE SHOOTING GUIDE

1. Error Codes

Error Code	Error Description	Notes
E0	The 2nd Defrosting Temperature Sensor Fault	Press any button on the control panel will eliminate the audio alert. The dehumidifier can still work to dehumidify.
E1	Humidity Sensor Fault	
E2	The 1st Defrosting Temperature Sensor Fault	
E4	Inlet Temperature Sensor Fault	
EA	The 3rd Temperature Sensor Fault	
Eb	The 4th Temperature Sensor Fault	
E3	Power Phase Fault (Missing phase or Reverse phase)	After troubleshooting, unplug the dehumidifier and then re-plug it in to eliminate the alert.
E5	High-Pressure Fault	
E6	Low-Pressure Fault	
E8	Compressor Current Overload Fault	
E9	Fan Current Overload Fault	
E7	The water bucket of the pump is full	
Ec	Display Fault	You are unable to control the dehumidifier via the control panel.

2. Reset

Please try the below steps to reset the dehumidifier:

1) Turn the dehumidifier off;

2) Press and hold both the TIMING/FUNCTION button and UP button for 3 seconds, until dF flashes on the LCD screen;

3) Press the TIMING/FUNCTION button once;

4) Wait for 5 seconds before any other operations.

3. Troubleshooting Chart

The below chart will help you solve common problems that may occur. If the problem you come across can not be fixed after troubleshooting or the problem is not listed in the below troubleshooting chart, please contact COLZER customer service to obtain professional support at

service@colzer.com.

Problem	Possible Cause	Solution
Dehumidifier does not operate	No power to dehumidifier	Plug it into a working outlet
	Not turned on	Turn the dehumidifier on
	Has not set it properly	Make sure the set humidity level is at 3% lower than the inlet humidity reading
	Error code displays	Contact customer service
Dehumidifier collects little water	Insufficient working time	Allow more working time
	Filter is blocked	Clean filter
	Air Inlet or Outlet is blocked	Clear the obstructions
	Low ambient temperature	Heat up the room
	Condensate hose is blocked	Check hose for restrictions
dehumidifier operating, but room not dry	Doors and windows are open	Seal room from external areas
Abnormal Noise	The dehumidifier has not been placed properly.	Place the dehumidifier in a horizontal position
	Filter is blocked	Clean filter

Note: It is normal that the dehumidifier pulls warm air out.

WARRANTY

COLZER offers a limited 1-year free warranty on this dehumidifier PD123A/PD223A, with original proof of purchase (typically you maybe only requested to offer the order number instead of an invoice) and where a defect has arisen, wholly or substantially, as a result of faulty manufacture, parts or workmanship during the warranty period.

The warranty does not apply where damage is caused by other factors, including without limitation:

(a) normal wear and tear;

(b) abuse, mishandling, accident, or failure to follow operating instructions;

(c) exposure to liquid or infiltration of foreign particles;

(d) servicing or modifications of the product other than by COLZER.

The COLZER warranty covers all costs related to restoring the proven defective product through repair or replacement of any defective part and necessary labor so that it conforms to its original specifications. A replacement product may be provided instead of repairing a defective product. COLZER's exclusive obligation under this warranty is limited to such repair or replacement.

We recommend that you register your product on our website https://colzer.com/pages/join-vip. Although greatly appreciated, the product registration is not required to activate any warranty and product registration does not eliminate the need for the original proof of purchase.

These are our general terms for warranty service, but we always urge our customers to reach out to us with any issue, regardless of warranty terms. If you have an issue with a COLZER product, please contact us at service@colzer.com, and we will do our best to resolve it for you.

Email	**Website**
service@colzer.com	www.colzer.com