# Colzer Dehumidifier User Manual
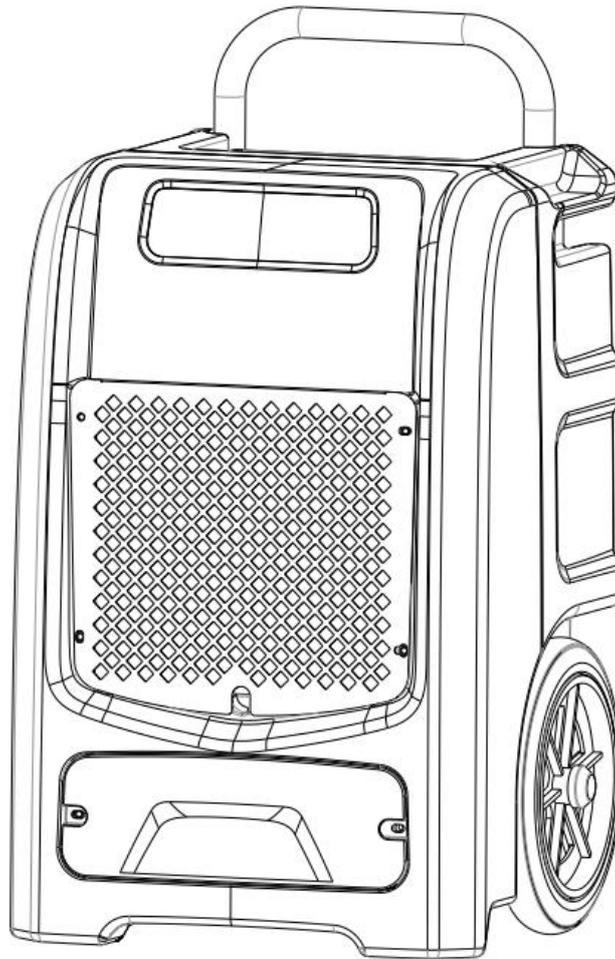
Model No.: TR160D

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

Welcome

Thanks for your purchase and welcome to the Colzer family.

We suggest that you read this user manual before plugging in your new dehumidifier 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 **colzersmart.com/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.

To access customer support, please email to **service@colzer.com** with your purchase order ID to help us address the problem faster.

Need Help?
Before you request for customer support, here are a few things you can do to help us serve you better.

➢ Read this user manual:
It contains instructions to help you use and maintain your dehumidifier properly.

➢ If you receive a damaged dehumidifier:
Immediately contact the seller that sold you the dehumidifier.

➢ Save time and money:
Check the troubleshooting section at the end of this manual before writing to us. This section will help you solve common problems that may occur.

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, 15 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.

PRODUCT SPECIFICATIONS

Colzer Dehumidifier		
Model No.		TR160D
Power Source		AC 110-120V, 60 Hz
(80°F, RH 60%)	Input Power	735 W
	Input Current	7.0 A
	Moisture Removal	93 Pints/Day
(86°F, RH 80%)	Input Power	835 W
	Input Current	8.0 A
	Moisture Removal	160 Pints/Day
BCSC		15 A
Motor Compressor		RLA:7.3A; LRA:36.4A
Refrigerant		R410a (18 oz.)
High Pressure		522 PSIG (3.6 MPa)
Low Pressure		240 PSIG (1.65 MPa)
MADE IN CHINA		

ETL
C us
LISTED
CM
Intertek
5006106

CONFORMS TO UL STD.
60335-1&60335-2-40
CERTIFIED TO CSA STD.
C22.2 NO.60335-1&60335-2-40

FEATURES

* High Dehumidifying Capacity for commercial & industrial use

* Straightforward Control Panel for easy operation

* Built-in Pump for convenient drainage

* Tough Semi-pneumatic Wheels for easy transport

* Rotational Molded Housing for tough job

* Fold-able Handle for space-saving storage

* Hot Gas Valve System for fast defrost

PARTS IDENTIFICATION

Integrated Handle
(Foldable)

Colzer Info

Air-inlet Grille

Remove to
Access Pump

Wheel

Control Panel

Air Outlet

Wire Nail

Handle Latch

Power Cord

Winder

Label Area   Drain Hose
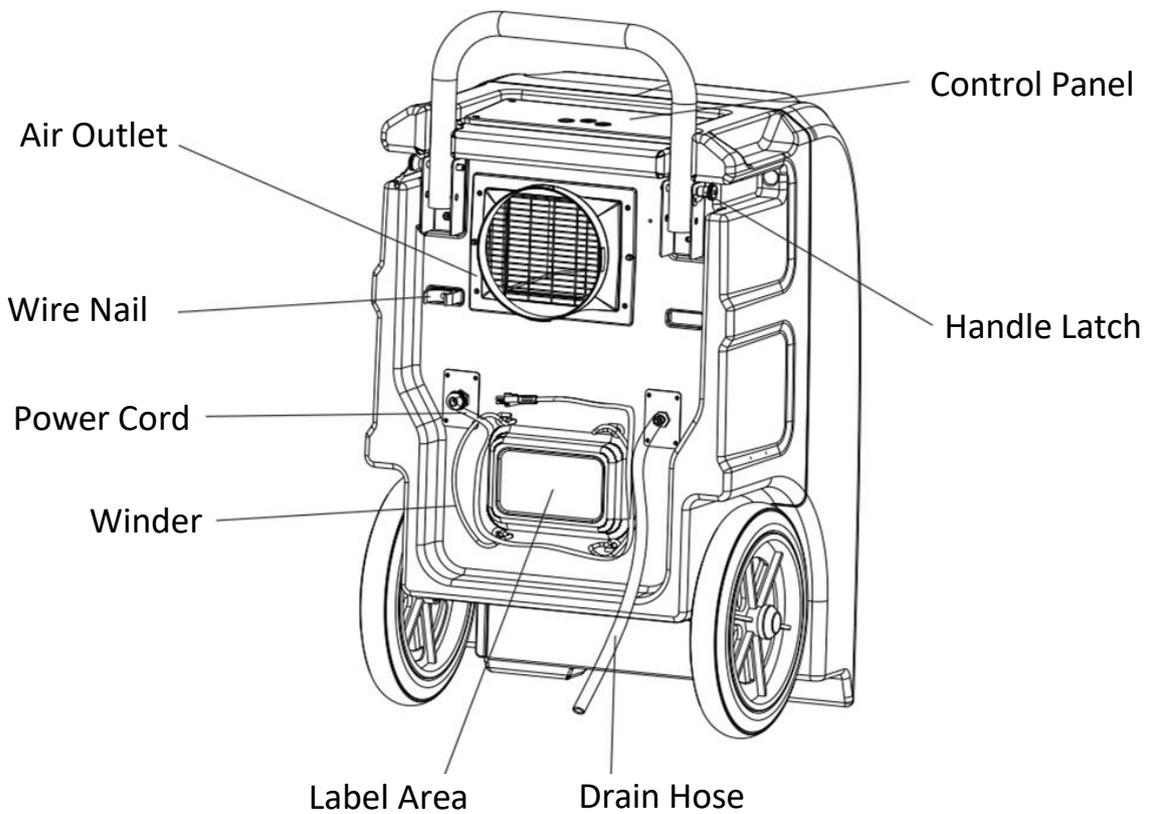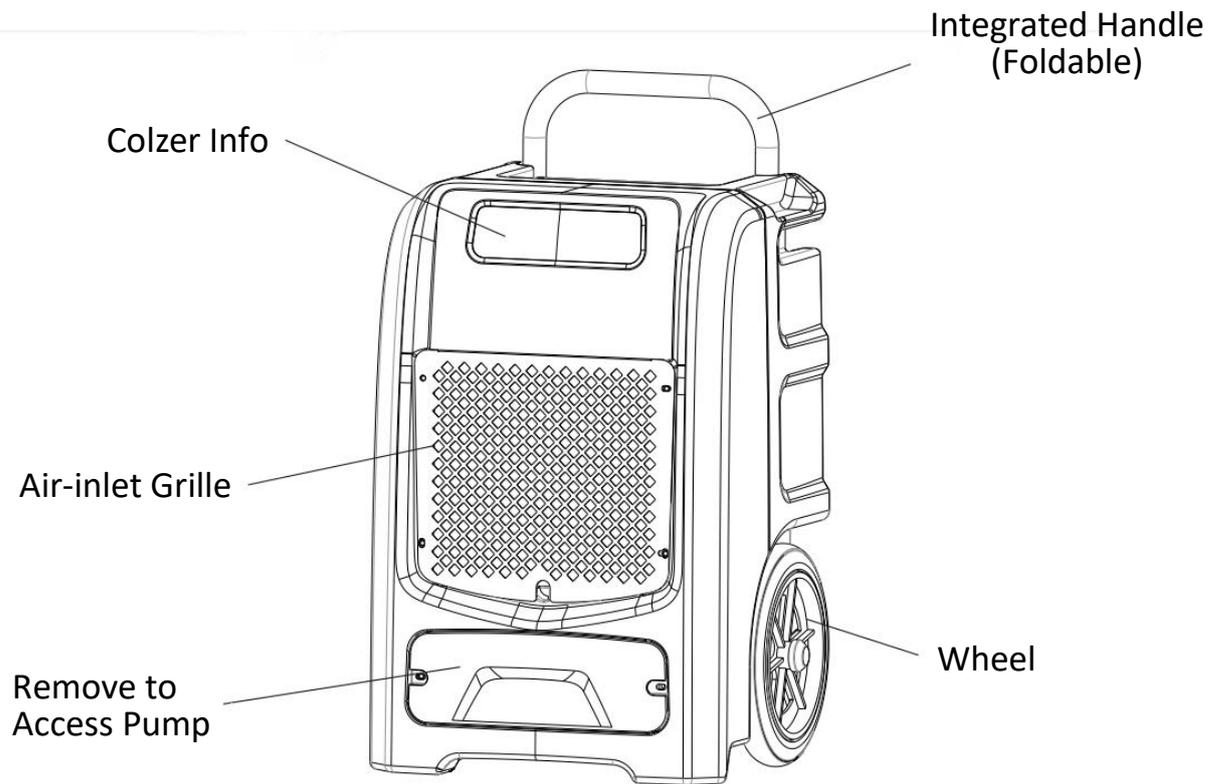
**NOTE: DO NOT OBSTRUCT THE AIR INLET OR OUTLET.**

OPERATION INSTRUACTIONS

1. Install the Handle

1) Remove the handle from the buckle and flip the handle up 180° to align the hole position of the handle and the handle holder;
2) Insert the corded bolts into the holes of the handle holder and the handle by pressing and holding the metal button on the top of the bolt.
3) Release your finger when you have inserted the bolt to the latch.
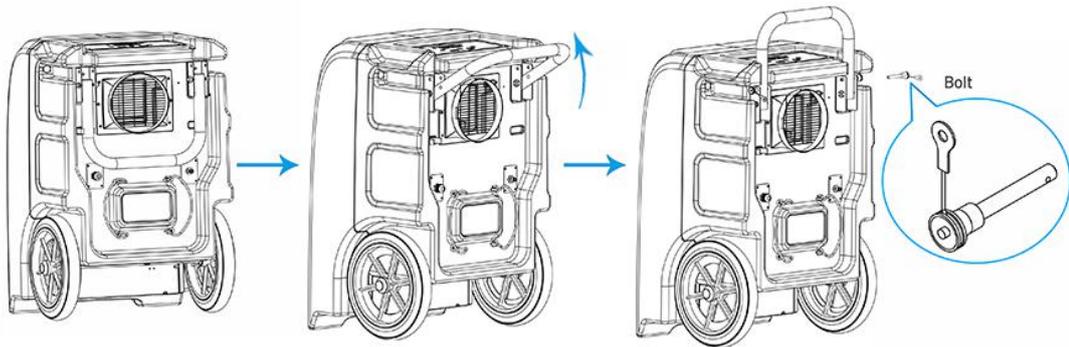
To Fold the Handle for Storage
1) Pull out the bolt from the latch by pressing and holding the metal button on the top of the bolt;
2) After removing both bolts from the latches, fold the handle down by 180° and fix it to the buckle.

> **NOTE:** Press and hold the top knob of the bolt when you are trying to insert or pull out the bolts. Otherwise, you may not be able to insert or pull out the bolts.

2. Position Your Dehumidifier

> **IMPORTANT**
>
> Transporting or storing the dehumidifier in a horizontal position is not recommended. When the dehumidifier is placed in a horizontal position, the oil from the compressor can flow into the refrigerant coils and reduce the ability of the dehumidifier to function and possibly damage the dehumidifier. If the dehumidifier has been placed in a horizontal position, set it upright and let it stand for at least 24 hours before plugging it in.

For best results, operate your dehumidifiers in an enclosed area. Close all doors and

windows that open to efficiency. 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

The dehumidifier pump connects to a plastic drainage hose. The hose, stored on the back of the dehumidifier, is equipped with a quick-connect fitting for easy attachment to the drain outlet.

1) Uncoil the entire hose;

2) Attach the end of the hose with the connect fitting to the drain outlet directly, until you hear a "click" sound;

3) Place the unattached end in a sink, drain, bucket or outdoors – anywhere that water can drain out safely. (Ensure there are no kinks or other obstructions that will stop the water to flow.)

NOTE:

• Ensure that water which runs to outdoors does NOT create a slip hazard.

• If you use a bucket or other container for water collection, check it regularly to prevent overflows.

• The drain hose for the water pump can drain up to 15ft vertically. More than 15ft may cause water back up to the pump resulting in leakage.

• When turning off the dehumidifier, please take the hose out from the water collection container to avoid the water back-flow causes water leakage.

• To remove the drain hose from the outlet, press and hold the buckle on the connect fitting and pull the hose out.

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4. Plug in Electrical Cord

The dehumidifier needs to be plugged into a GFCI-protected 115 volt outlet rated for at least 15 amps. Uncoil the power cord from the winder and plug it firmly into a suitable outlet.

After plugged in, the dehumidifier will automatically enter into standby mode where the readout on the display screen is in dim light.

5. Understand the Control Panel

Display Screen

- The first line of the display shows the total number of hours the dehumidifier has been in operation. It will also countdown the timer on the right if the timer function has been activated.

- The second line of the display shows current temperature and humidity of inlet and outlet.

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

- To Turn the Dehumidifier ON: In standby mode, press the POWER button to turn the dehumidifier on. The readout on the display screen will light up and the dehumidifier will run in continuous dehumidify mode.

- To Turn the Dehumidifier OFF: Press the POWER button again to turn the dehumidifier off. The compressor will turn off right after you pressed the POWER button, but the fan will not stop until 1-2 minutes later.

- To Toggle the Temperature Scale: Press and hold the POWER button for 5-8 seconds to toggle the temperature scale between Fahrenheit and Celsius. (Default temperature scale is Fahrenheit.)

Defrosting Indicator: The dehumidifier begins to defrost when the defrost indicator illuminates; the dehumidifier has stopped defrosting when the light is no longer illuminated. When defrosting is complete, the dehumidifier begins to dehumidify again automatically.

Water Full Indicator: When the water pump is full of water, the indicator light turns on to remind the user to drain.

Purge Button: Press to empty water from the condensate pump reservoir. Use "PURGE" before moving the dehumidifier to avoid water spillage. During normal operation, the pump purges automatically when the reservoir is full. The FULL indicator will light up after you pressed the PURGE button, which means the pump is working. 30 seconds later, the pump will stop working automatically and the FULL light will go off.

Timer Button: The TIMER function enables you to either Delay Start or Delay Stop the dehumidifier in the choice from 1 hour to 24 hours.

If the dehumidifier is running, then selecting Timer will turn the dehumidifier off in the hours that will be set (Delay Stop). If the dehumidifier is off, then selecting Timer will turn the dehumidifier on in the hours that will be set (Delay Start).

To Set Timer:

1) Press and hold the TIMER button for 3-5 seconds;

2) Adjust the timer setting by pressing the TIMER button to change the delay timer at 1-hour increments, up to 24 hours. The control will count down the time remaining (8,7.5,7, etc.) until the dehumidifier either starts or stops.

3) After TIMER setting finishes, pressing the TIMER button again at any time will stop the TIMER function.

Note:

- The Delay Start/Stop Feature will work until the dehumidifier either starts or stops. Once that happens the above steps have to be repeated.

- The TIMER feature is one-shot. So the timer will not cycle the dehumidifier on or off indefinitely.

- Before entering the TIMER setting, make sure you've plugged it in.

Smart Functions

<u>Auto Drainage</u>

Thanks to the built-in pump, the dehumidifier will drain the condensation water automatically.

<u>Wait 3 Minutes before Resuming Operation</u>

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.

<u>Auto Defrost</u>

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.

<u>Auto-Restart</u>

If the dehumidifier shuts off unexpectedly due to power being cut, the dehumidifier will restart with the previous function setting automatically when the power resumes.

MAINTENANCE

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

<u>Cleaning the Dehumidifier</u>

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.

Cleaning the Air Filter

The working performance of the dehumidifier will be greatly reduced if the filters become blocked.

To Clean the Filter

1) Pull out the air filter from the top side gently.

2) Vacuum any debris from the filter using the vacuum hose and nozzle attachment.

3) Immerse the filter into lukewarm water (about 40°C) with a mild detergent, and then wash it and allow it to dry.

4) Once dry, re-install the filter into the dehumidifier.

Dehumidifier Storage

1) Push the purge button to empty the water before transportation or storage.

2) Transport and store the dehumidifier upright.

3) You can fold the handle and stack this dehumidifier to save space.

TROUBLE SHOOTING GUIDE

Problem	Possible Cause	Solution
Dehumidifier does not operate	No power to dehumidifier	Connect plug to power socket
	Switch not turned on	Switch on
	E4 error is displayed	Check drainage flow
Dehumidifier collects little water	Insufficient working time	Allow more working time
	Filter is blocked	Clean filter
	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

Error Code	Possible Cause	Solution
E1	Copper head sensor failure	Replace it
E2	Air inlet temperature and humidity sensor failure	Replace it
E3	Air outlet temperature and humidity sensor failure	Replace it
E4	Water pump failure or Water tank of water pump is full	Replace it or check the water pump
E5	4-way valve failure	Replace it

If the problem you are experiencing is not listed here, contact our Service Team at

service@colzer.com for further assistance**.**

Warranty Information

Colzer offers a limited 1-year warranty on all of our products, with original proof of purchase 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 colzersmart.com/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.

Contact Us

Email: service@colzer.com

Live-Chat on Website: colzersmart.com