

Danby DDR040BFCWDB-ME Dehumidifier



# Danby DDR040BFCWDB-ME Dehumidifier Owner's Manual

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**Danby DDR040BFCWDB-ME Dehumidifier**



## Welcome to the Danby family.

We are proud of our quality products and we believe in dependable service. We suggest that you read this owner's manual before plugging in your new appliance as it contains important operation information, safety information, troubleshooting, and maintenance tips to ensure the reliability and longevity of your appliance.

You are entitled to the warranty coverage as described in the owner's manual provided with your new appliance.

1. Please write down your appliance information below. You must keep the original proof of purchase receipt to validate and receive warranty services.
2. Register your product online and receive a FREE 2-MONTH WARRANTY EXTENSION after filling out a product survey, at [www.danby.com/support/product-registration/](http://www.danby.com/support/product-registration/)

**Model Number:** \_\_\_\_\_

**Serial Number:** \_\_\_\_\_

**Date of Purchase:** \_\_\_\_\_

## Need Help?

1. Read your Owner's Manual for installation help, troubleshooting, and maintenance assistance.
2. Visit [www.Danby.com](http://www.Danby.com) to access self-service tools, FAQs, and much more by searching your model number in the search bar.
3. For the Quickest Customer Service, please fill out the web form at [www.danby.com/support](http://www.danby.com/support). Your submission will go directly to an expert on your particular appliance. Our average response times are between 20 minutes

and 2 hours, during EST business hours.

4. Call 1-800-263-2629 – please note that during peak hours, hold times can exceed one hour.

## **Important Safety Information**

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

### **SAFETY REQUIREMENTS**

This appliance is not intended for use by persons (including children) whose physical, sensory, or mental capabilities may be different or reduced, or who lack experience or knowledge, unless such persons receive supervision or training to operate the appliance by a person responsible for their safety.

- Children should be supervised to ensure that they do not play with the appliance.
- To avoid the risk of electric shock, do not operate this dehumidifier in an area that is likely to accumulate standing water. If this condition develops, disconnect the power supply before stepping into the water.
- Do not store or use combustible materials such as gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.
- Do not insert fingers or other objects into grills or openings in the appliance.
- Do not cover or block the intake and exhaust openings.
- Do not operate the appliance without the filter installed.
- Do not operate the appliance near heat sources.
- This appliance is intended for indoor, and residential applications only. Do not use this dehumidifier outdoors. Do not use this dehumidifier for commercial or industrial applications.

### **GROUNDING INSTRUCTIONS**

This appliance must be grounded. Grounding reduces the risk of electrical shock by providing an escape wire for the electrical current.

This appliance has a cord that has a grounding wire with a 3-prong plug. The power cord must be plugged into an outlet that is properly grounded. If the outlet is a 2-prong wall outlet, it must be replaced with a properly grounded 3-prong wall outlet. The serial rating plate indicates the voltage and frequency the appliance is designed for.

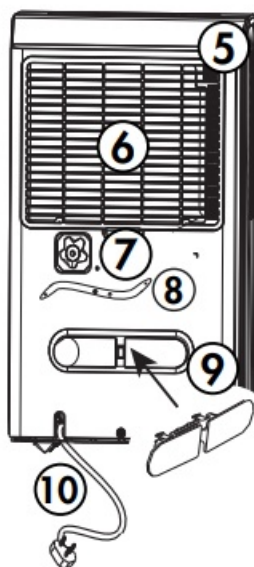
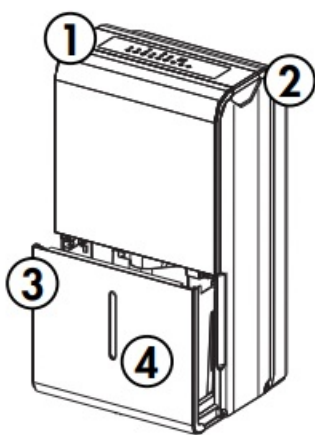
**WARNING** – Improper use of the grounding plug can result in a risk of electric shock.

- Consult a qualified electrician or service agent if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.
- Do not connect the appliance to extension cords, adapters or together with another appliance in the same wall outlet.
- Do not splice the power cord. Do not under any circumstances cut or remove the third ground prong from the power cord.
- If the power supply cord is damaged, it must be replaced by the manufacturer, its service agent or similar qualified person in order to avoid hazard.

### **OPERATING INSTRUCTIONS**

## FEATURES

1. Control panel
2. Handles (both sides)
3. Water bucket
4. Water level indicator
5. Air outlet
6. Air filter
7. Continuous drain outlet
8. Power cord storage strap
9. Power cord storage band
10. Power cord



## CONTROL PANEL

1. **Auto defrost light**: The light will illuminate when frost builds up on the evaporator coils. The compressor will cycle off and the fan will continue to run until the frost melts.
2. **Bucket full light**: The light will illuminate when the bucket is full or incorrectly positioned inside the cabinet. The compressor and fan operation will stop as a safety feature. When the bucket is emptied or correctly re-positioned the dehumidifier will resume operation automatically.

3. **Display:** Shows the actual ( $\pm 5\%$  accuracy) room humidity level in a range of 30% to 90%. Otherwise, displays selection when programming humidity or timer.
4. **Smart dehumidify:** This function will automatically adjust the humidity level with the fluctuating room temperatures. The humidity level cannot be adjusted in this setting, it will stabilize between 45% – 55%. Press the humidity adjust buttons to cancel this feature.
5. **Filter button:** The check filter light will illuminate after 250 hours of operation. After cleaning the filter, press the filter button to turn off the light.
6. **Continuous button:** Press to activate the continuous dehumidifying operation.
7. **Fan button:** Press to select normal or high fan speed. The light will illuminate when set to high fan speed.
8. **Timer button:** Press to set the timer.
9. **Humidity adjusts buttons:** The humidity level can be set within a range of 35% to 85% relative humidity in 5% increments. For drier air, set to a lower percentage value. For more damp air, set a higher percentage value.
10. **Power button:** Press to turn the dehumidifier on or off.



## OPERATION

- Place the dehumidifier on a smooth, level floor that is strong enough to support the appliance with a full bucket of water.
- Do not place the dehumidifier on carpeting as this can block air flow around the appliance. Do not force casters to move over carpeting as the appliance can become unbalanced and spill water.
- To maintain efficiency, operate the appliance in an enclosed area. Keep nearby doors and windows closed.
- Maintain a minimum clearance of 40 cm (16 inches) around the air outlets and 20 cm (8 inches) on the other sides of the appliance to allow for proper air circulation.
- The recommended ambient operating temperature is between 5°C (41°F) and 32°C (90°F).
- Any time the appliance is placed on its back or side, it must be allowed to stand upright for 6 hours before plugging in to avoid damage to internal components.
- The default setting is 40% and has high fan speed. Depending on conditions the dehumidifier may not start automatically under the default setting. This means the ambient humidity is less than 40%. Press the humidity adjust buttons to lower the set humidity until it is lower than the ambient humidity.
- For optimal performance, ensure that the humidity setting is 10% lower than the ambient humidity. It is normal for the ambient humidity to vary up to 5% above or below the set humidity.
- It is recommended in normal conditions to set the humidity between 40-45%.
- It is normal for the dehumidifier to exhaust warm air from the air outlet.
- The power cord storage band can be found

in the water bucket and it can be installed by pressing it onto the back of the cabinet until it clicks.

## **TIMER**

### **Auto Off**

1. When the dehumidifier is turned on, press the timer button to activate the auto-off timer.
2. Press the humidity adjust buttons to change the set time in 0.5-hour increments up to 10 hours and then in 1-hour increments up to 24 hours.

### **Auto On**

1. When the dehumidifier is turned off, press the timer button to activate the auto-on timer.
2. Press the humidity adjust buttons to change the set time in 0.5-hour increments up to 10 hours and then in 1-hour increments up to 24 hours.

### **Using Auto On and Auto Off Together**

- The auto on and auto off timers can be used at the same time by first setting one and then the other.
- For example, if the dehumidifier is running, you can set the auto-off timer to let it run for a set amount of time before turning it off and then set the auto-on timer to turn it back on at a later time.
- Or, if the dehumidifier is not running, you can set the auto-on timer to turn it on at a later time and then set the auto-off timer to shut it off after running for some time.

**Note:** The timer will not cycle the dehumidifier on and off indefinitely. The auto on and auto off timers will function one time and then the dehumidifier will return to regular functioning.

Turning the dehumidifier on or off at any time or changing the timer setting to 0.0 will cancel the timer settings.

## **WATER REMOVAL**

There are two ways to remove collected water from the appliance.

### **Water Bucket**

- The dehumidifier will automatically collect condensed water in the water bucket. When the bucket is full, the compressor and fan will turn off and the full bucket indicator light will turn on. The display will show "P2".
- To empty the bucket, gently remove it from the appliance by gripping both sides and pulling outward. Be cautious when removing the bucket, it will be full and can be heavy.
- Do not place the water bucket directly on the floor. The bottom of the bucket is uneven and it will fall over and spill water.
- Empty the bucket and replace it in the appliance. The dehumidifier will not function without the bucket installed.
- Never tamper with or attempt to defeat the water level float system. Proper installation of the water bucket is crucial in maintaining reliable operation.

### **Continuous Drain**

- Water can be removed using the continuous drain with a standard garden hose and female threaded end (not

provided).

- Before using any automatic drain functions, check that all drain ports are clean. There is one drain port inside the bucket compartment of the appliance, remove the bucket to see it. There is one drain port on the back of the appliance where the female threaded end and garden hose attached. All drain ports should be cleaned with a pipe cleaner before use.
- To use the continuous drain you must purchase a garden hose and a female threaded end.

The required dimensions are:

- **Female threaded end:** ID:M=1"
- **Garden hose:** ID $\geq$ Φ5/16"

Remove the cover from the continuous drain outlet and attach the female threaded end and the garden hose to the back of the appliance. Direct the other end of the garden hose to a bucket or floor drain.

Ensure that the garden hose is not bent and goes straight down from the back of the appliance. The continuous drain is only activated by gravity so any bends or upward motion in the hose will stop the water from draining.

The garden hose should be cut so that it is no more than 1.8 m (6 feet) long. If the drain hose is too long water may not drain completely which can lead to stagnant water and mildew build up inside the hose.

#### **Notes:**

- Do not clean the drain ports with anything more rigid than a pipe cleaner as this can damage the appliance.
- If the drain ports are clogged or dirty it can cause water to leak from the bottom of the appliance.
- There is no drain pump in this appliance. The continuous drain is fed by gravity alone.

## **CARE & MAINTENANCE**

### **AIR FILTER**

The air filter should be cleaned approximately every 2 weeks. The air filter may require more frequent cleaning if there is significant dander or fur in the air.

Approximately every two weeks, the filter indicator light on the control panel will illuminate as a reminder to clean the filter. Follow the steps below to clean the filter and return the appliance to normal functioning.

1. The air filter is located behind the rear intake grill. To remove the air filter, grasp the filter tab on the bottom of the grill and slide it downward.
2. Use a vacuum cleaner with a soft brush attachment to remove any large debris or dust build up from the air filter.
3. Wash the filter in lukewarm, soapy water, below 40°C (104°F), or use a neutral cleaning agent.
4. Rinse the filter with clean water and dry thoroughly before reinstalling in the appliance.
5. Press the filter button on the control panel to resume normal functioning.

**Note:** Do not operate the appliance without the air filter installed.

### **CLEANING**

- To avoid possible electric shock, ensure that the appliance is unplugged before performing any cleaning or maintenance.

- The outside of the appliance can be wiped clean with a soft cloth or with a lukewarm, damp cloth if necessary.
- Do not use gasoline, benzene, thinner or any other chemicals to clean this appliance as these substances can cause damage to the finish and deformation of plastic parts.
- Never pour water directly onto the appliance as this will cause deterioration of electrical components and wiring insulation.
- Ensure that the drain ports on the interior of the appliance and the drain ports on the back of the appliance are free of dirt and calcium buildup.
- **Note:** Do not clean the drain ports with anything more rigid than a pipe cleaner as this can damage the appliance.
- **Note:** If the drain ports are clogged or dirty it can cause water to leak from the bottom of the appliance.

## END OF SEASON CARE

Unplug the dehumidifier and ensure the filter is clean. Ensure the bucket is empty and then allow both the bucket and the dehumidifier to dry completely before storing for the off-season. It could take a few days for water inside the dehumidifier to completely evaporate. You can speed up this process by wiping the bucket with a dry cloth and ensuring the lower drain of the dehumidifier has been emptied. Store the dehumidifier covered in a dry location.

## FREQUENTLY ASKED QUESTIONS

- **What is the best humidity setting?**
  - We recommend setting your dehumidifier between 40-45%.
- **Is the air that comes out of the dehumidifier supposed to be hot?**
  - Yes, usually this air feels warm.
- **Why isn't the dehumidifier collecting any water?**
  - There may not be enough humidity in your environment or the relative humidity might be set higher than ambient humidity.
- **Does the fan run continuously?**
  - In continuous mode, the fan will run continuously.
  - In smart dehumidify mode or manual mode the fan will cycle on and off.
- **Can I use an extension cord?**
  - No, the dehumidifier is built to operate using the power cord provided.
- **Does the timer cycle on and off forever?**
  - The on and off timers can be used at the same time however, they will only cycle one time and then resume normal functioning.
- **How do I hook up my direct drain?**
  - To use the continuous drain you must purchase a garden hose and a female threaded end.

### The dimensions required are

- **female threaded end:** ID:M=1"
- **garden hose:** ID≥Φ5/16".

Remove the cover from the continuous drain outlet and attach the female threaded end and the garden hose to the back of the appliance. Direct the other end of the garden hose to a bucket or floor drain.



- **Does the filter light come on when it is dirty?**

- The filter light comes on automatically after about 250 hours of use even if the filter is clean. Clean the filter and then press the filter button to turn the filter light off.

- **What is the plastic piece in the bucket?**

- This rounded piece is called a buckle and is clipped onto the back of the dehumidifier. It is used to wrap the power cord during long-term storage of the dehumidifier.

## **TROUBLESHOOTING**

### **The appliance will not operate**

- The plug is not fully inserted into the wall outlet
- Blown fuse or circuit breaker
- Ambient humidity is lower than the set humidity
- The bucket is full or is it not in the proper position

### **Insufficient dehumidifying**

- The air filter is dirty
- Blocked airflow
- The appliance size is too small for the application
- Ambient humidity is lower than the set humidity

### **Noise**

- The air filter is dirty
- The bucket is not in the proper position
- The floor surface is not level

### **Odors**

- Formation of mold or mildew on internal wet surfaces
- Place an algacide tablet in the water bucket

### **Water on floor**

- The hose connection is loose
- The drain cover has been removed

### **Frost build-up**

- When ambient temperature is below 5°C (41°F) frost may form
- The appliance will defrost automatically, during which the compressor temporarily shuts off while the fan continues to operate. Once the defrost process is finished, the appliance will resume its previous operational

settings

## **ERROR CODES**

If the display panel shows any of the below error codes, unplug the appliance, let it stand for 5-10 minutes, and then plug it back in. If the error persists, call for service.

- **AS** – Humidity sensor error
- **ES** – Temperature sensor error
- **P2** – Full bucket or bucket not in the correct position

## **DISPOSAL**

This appliance may not be treated as regular household waste, it should be taken to the appropriate waste collection point for recycling of electrical components. Check for local regulatory compliance regarding the approved and safe disposal of this appliance.

## **LIMITED “CARRY IN” WARRANTY**

- This quality product is warranted to be free from the manufacturer’s defects in material and workmanship, provided that the unit is used under the normal operating conditions intended by the manufacturer.
- This warranty is available only to the person to whom the unit was originally sold by Danby Products Limited (Canada) or DanbyProducts Inc. (U.S.A.) (hereafter “Danby”) or by an authorized distributor of Danby and is non-transferable.

## **TERMS OF WARRANTY**

Plastic parts are warranted for thirty (30) days from the date of purchase, with no extensions provided.

### **First 24 months**

During the first twenty-four (24) months, any functional parts of this product found to be defective will be repaired or replaced, at the warrantor’s option, at no charge to the original purchaser.

### **To obtain service**

Contact the dealer where the unit was purchased, or contact the nearest authorized Danby service depot, where service must be performed by a qualified service technician. If service is performed on the unit by anyone other than an authorized service depot, all obligations of Danby under this warranty shall be void. It is the responsibility of the purchaser to transport the appliance to the nearest authorized service depot.

Transportation charges to and from the service location are not protected by this warranty and are the responsibility of the purchaser

Nothing within this warranty shall imply that Danby will be responsible or liable for any spoilage or damage to food or other contents of this appliance, whether due to any defect of the appliance, or its use, whether proper or improper.

## **EXCLUSIONS**

Save as herein provided, by Danby, there are no other warranties, conditions, representations, or guarantees, express or implied, made or intended by Danby or its authorized distributors, and all other warranties, conditions, representations, or guarantees, including any warranties, conditions, representations or guarantees under any Sale of Goods Act or like legislation or statute is hereby expressly excluded. Save as herein provided, Danby shall not be responsible for any damages to persons or property, including the unit itself, howsoever caused or any consequential damages arising from the malfunction of the unit, and by the purchase of the unit, the purchaser does hereby agree to indemnify and hold harmless Danby from any claim for damages to persons or property

caused by the unit.

## GENERAL PROVISIONS

No warranty or insurance herein contained or set out shall apply when damage or repair is caused by any of the following:

1. Power failure.
2. Damage in transit or when moving the appliance.
3. Improper power supply such as low voltage, defective house wiring, or inadequate fuses.
4. Accident, alteration, abuse, or misuse of the appliance such as inadequate air circulation in the room or abnormal operating conditions (ie. extremely high or low room temperature).
5. Use for commercial or industrial purposes (ie. If the appliance is not installed in a domestic residence).
6. Fire, water damage, theft, war, riot, hostility, acts of God such as hurricanes, floods, etc.
7. Service calls result in customer education.
8. Improper Installation (ie. Building-in of a free-standing appliance or using an appliance outdoors that is not approved for outdoor application, including but not limited to garages, patios, porches or anywhere that is not properly insulated or climate controlled).

Proof of purchase date will be required for warranty claims; retain bills of sale. If warranty service is required, present the proof of purchase to our authorized service depot.

## Warranty Service

Carry In

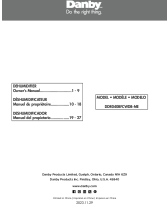
- **Danby Products Limited**
  - PO Box 1778, Guelph, Ontario, Canada N1H 6Z9
- **Telephone:** (519) 837-0920
- **FAX:** (519) 837-0449
- **Danby Products Inc.**
  - PO Box 669, Findlay, Ohio, U.S.A. 45840
- **Telephone:** (419) 425-8627
- **FAX:** (419) 425-8629
- 1-800-263-262904/17

## FAQ

- **Q: How do I register my product for warranty extension?**
  - A: To register your product for warranty extension, visit the Danby website at [www.danby.com/support/product-registration/](http://www.danby.com/support/product-registration/) and fill out the product survey after registering your product online.
- **Q: Where can I find additional support for my appliance?**
  - A: For additional support, you can visit [www.Danby.com](http://www.Danby.com) and search your model number in the search bar to access self-service tools, FAQs, and more. You can also fill out the web form at [www.danby.com/support](http://www.danby.com/support) for quick customer service during EST business hours or call 1-800-263-2629

(note that hold times may be long during peak hours).

## Documents / Resources

	<a href="#">Danby DDR040BFCWDB-ME Dehumidifier</a> [pdf] Owner's Manual DDR040BFCWDB-ME Dehumidifier, DDR040BFCWDB-ME, Dehumidifier
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## References

- [D Danby® the Appliance Specialists | Canada](#)
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