



Danby DDR050BLPBDB-ME 50 Pint Dehumidifier Owner's Manual

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Danby^{*}
Do the right thing^{*}

Danby DDR050BLPBDB-ME 50 Pint Dehumidifier



Product Information

The DEHUMIDIFIER is a product manufactured by Danby Products Limited. It is designed to remove moisture from the air and create a more comfortable environment. The product is available in different models, each with a unique model number and serial number. The appliance must be properly grounded for safe operation. It is important to read and follow all safety instructions provided in the user manual.

Product Usage Instructions

1. Before using the dehumidifier, ensure that it is properly grounded. The power cord must be plugged into a properly grounded 3-prong wall outlet. If your wall outlet has only 2 prongs, it must be replaced with a properly grounded 3-prong wall outlet.
2. Do not operate the dehumidifier in an area that is likely to accumulate standing water. If standing water is present, disconnect the power supply before stepping into the water.
3. Keep the dehumidifier away from combustible materials such as gasoline or other flammable vapors or liquids.
4. Avoid inserting fingers or other objects into grills or openings in the appliance to prevent injury.
5. For any installation help, troubleshooting, or maintenance assistance, refer to the Owner's Manual.
6. Visit www.Danby.com and search for your specific model number to access self-service tools, FAQs, and more information.

7. To contact customer service, fill out the web form at www.danby.com/support or call 1-800-263-2629. Please note that hold times may be longer during peak hours.

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/

- **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 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. 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 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, 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.

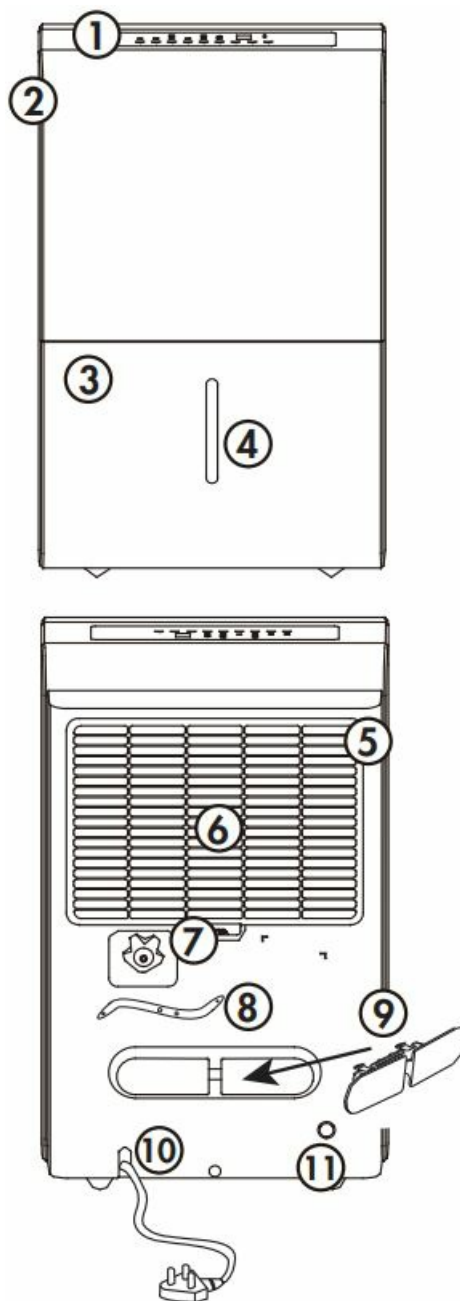
WARNING: Improper use of the grounding plug can result in a risk of electric shock. Consult a qualified electrician or service agent if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.

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.

SAVE THESE INSTRUCTIONS!

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
11. Pump drain outlet

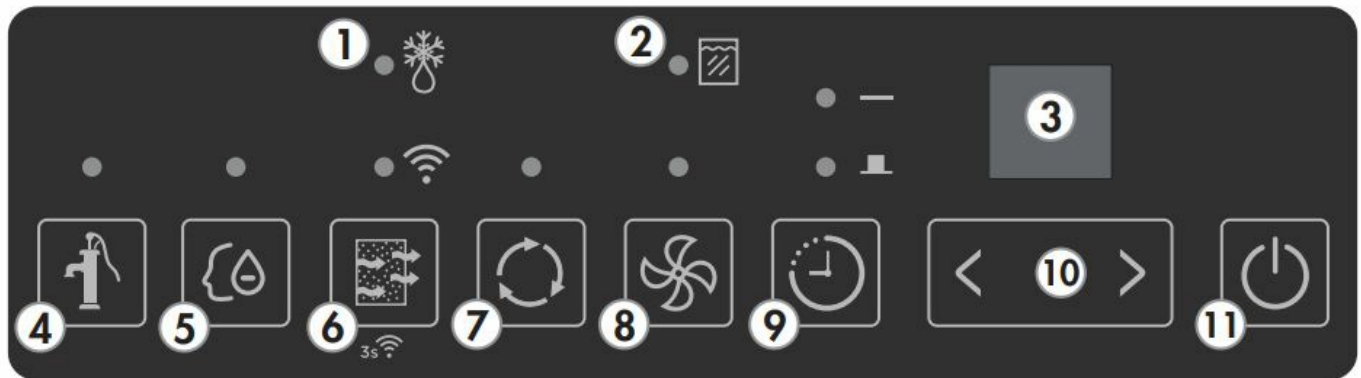
LOCATION

- 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 other sides of the appliance to allow for proper air circulation.

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. **Pump button:** Press to activate the drain pump. Ensure that a drain hose is connected before starting the pump.
5. **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.
6. **Filter button:** The check filter light will flash after 250 hours of operation. After cleaning the filter, press the filter button to turn off the light. Press and hold the filter button for 3 seconds to activate the wireless feature.
7. **Continuous button:** Press to activate the continuous dehumidifying operation.
8. **Fan button:** Press to select normal or high fan speed. The light will illuminate when set to high fan speed.
9. **Timer button:** Press to set the timer.
10. **Humidity adjust 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.
11. **Power button:** Press to turn the dehumidifier on or off.

OPERATION

- 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 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.

WIRELESS CONNECTION

- This appliance can be controlled with a wireless application on your wireless device.
- Visit <https://www.danby.com/support/apps> to download the application and learn about its operation.

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.

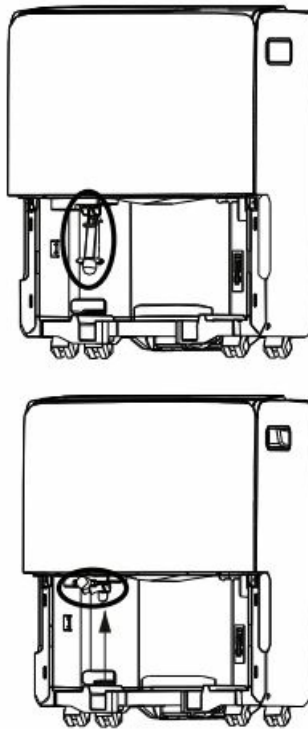
Using Auto On and Auto Off Together

- 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 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 a period of 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 three 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.

Note: When removing the bucket, the pump arm for the drain pump may fall down. It must be gently pushed upward back into the correct position before replacing the bucket.

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 attach. All drain ports should be cleaned with a pipe cleaner prior to use. To use the continuous drain you must purchase a garden hose and 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.
- The continuous drain is fed by gravity alone.

WATER REMOVAL

Pump Drain

- If the continuous drain is inconvenient, water can be removed from the appliance using the pump drain.
- When using the pump, the appliance will first fill the bucket with water, and then the pump arm will pump water from the bucket through the drain and out the hose.
- Note that the pump will not completely empty the bucket, it will only remove approximately 20% of the water from the bucket. Water will remain in the bucket as the pump operates.
- When using the pump drain, the water bucket should be emptied every few days to ensure that the water in the bucket does not become stagnant or grow mildew
- Remove the continuous drain hose from the unit and rotate the black plastic cover to the continuous drain hose outlet clockwise.
- Peel off the fixed tape, insert the pump drain hose into the pump drain hose outlet for depth of 15 mm at least or until it clicks and make sure the hose is secure so there are no leaks.
- Direct the other end of the hose to a drain. Press the pump button to activate the pump function. When the bucket is full, the pump will begin to work.
- Ensure that the drain hose is not bent, this can stop the water from draining correctly and overwork the pump.
- Do not connect the provided hose together with another hose. The maximum length of the pump drain hose should be no more than 4.6 m (15 feet). 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.
- To remove the hose, press inward on the ring around the drain and pull the hose outward.

Important: If the drain pump is activated, water will exit the drain whether a hose is attached or not. Ensure that the drain pump is deactivated when the hose is removed to avoid damage to floor due to leaking water.

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.

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
- **Eb:** bucket removed or not in correct position

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 build up.

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.

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.

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 \geq 5/16".

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 on to 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

- Plug is not fully inserted into the wall outlet
- Blown fuse or circuit breaker
- Ambient humidity is lower than the set humidity
- Bucket is full or is not in the proper position

Insufficient dehumidifying

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

Noise

- Air filter is dirty
- Bucket is not in proper position
- 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

- Hose connection is loose
- Drain cover has been removed

Frost build-up

- When ambient temperature is below 5°C (41°F) frost may form
- Switch the appliance to fan only mode until the frost melts

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not

installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna
2. Increase the separation between the equipment and receiver
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
4. Consult the dealer or an experienced radio/TV technician for help

Changes or modifications not approved by the party responsible for FCC and Industry Canada compliance could void the user's authority to operate the equipment. This appliance complies with Part 15 of the FCC Rules and license-exempt RSS standards.

Operation is subject to the following conditions:

1. This device may not cause interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC RF and IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm(8 inches) between the radiator and your body. This device complies with RSS-247 of Industry Canada. Operation is subject to the condition that this device does not cause harmful interference.

This device contains:

- **FCC ID:** 2ADQOMDNA21
- **IC:** 12575A-MDNA21

WARRANTY

This quality product is warranted to be free from 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 Daby Products Limited (Canada) or Danby Products Inc. (U.S.A.) (hereafter "Danby" or by an authorized distributor of Danby, and is nontransferable

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

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, detective house wiring or inadequate tuses.
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. In the event that warranty service is required, present the proof of purchase to our authorized service depot.

Warranty Service

- Carry In

Contacts

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- Findlay, Ohio, U.S.A. 45840
- www.Danby.com

Printed in China



Documents / Resources

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