

HEAT CONTROLLER BHD-301-H

HEAT CONTROLLER BHD-301-H 30 Pint Dehumidifier User Manual

Model: BHD-301-H

INTRODUCTION

Thank you for choosing the HEAT CONTROLLER BHD-301-H 30 Pint Dehumidifier. This manual provides important information regarding the installation, operation, and maintenance of your dehumidifier. Please read this manual thoroughly before using the appliance to ensure safe and efficient operation. Keep this manual for future reference.

IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury to persons.

- Read all instructions before using this appliance.
- Do not operate any appliance with a damaged cord or plug.
- Do not use near water or in excessively damp environments.
- Ensure the unit is placed on a level, stable surface.
- Allow at least 12 inches of open space on all sides of the unit for proper air circulation.
- This appliance uses R-410A refrigerant. Servicing should only be performed by qualified personnel.

PRODUCT OVERVIEW

The HEAT CONTROLLER BHD-301-H is a portable 30-pint dehumidifier designed to remove excess moisture from your indoor environment. Key features include:

- Automatic water level shut-off.
- Multiple drain options for continuous operation.

- Easy-to-use controls.
- Auto restart function after power interruption.
- Slide-out, side-mounted nylon filters for easy cleaning.
- Check filter light indicator.
- Durable casters for easy mobility.
- Defrost control.
- Two fan speeds.



Figure 1: Front view of the HEAT CONTROLLER BHD-301-H 30 Pint Dehumidifier. This image shows the compact design and control panel location.

SETUP

1. **Unpacking:** Carefully remove the dehumidifier from its packaging. Retain packaging materials for future storage or transport.
2. **Placement:** Place the unit on a firm, level surface in the area where dehumidification is desired. Ensure there is at least 12 inches (30 cm) of clear space around all sides of the unit to allow for proper air intake and exhaust. Do not block the air inlets or outlets.
3. **Power Connection:** Plug the power cord into a properly grounded 115-volt electrical outlet. Do not use extension cords or adapter plugs.
4. **Drainage Options:**
 - **Collection Bucket:** For manual draining, ensure the internal collection bucket is correctly seated. The unit will automatically shut off when the bucket is full.
 - **Continuous Drain:** For continuous operation without emptying the bucket, attach a standard garden hose (not included) to the continuous drain port located on the back of the unit. Ensure the hose is sloped downwards to a suitable drain.

OPERATING INSTRUCTIONS

Control Panel

The control panel features intuitive buttons and indicators for easy operation.

- **Power Button:** Press to turn the unit ON or OFF.
- **Humidity Setting Buttons:** Use the UP/DOWN arrows to set the desired humidity level (e.g., 40% - 80% relative humidity). The unit will operate until the set humidity is reached.
- **Fan Speed Button:** Toggle between HIGH and LOW fan speeds. High speed provides faster dehumidification, while low speed offers quieter operation.
- **Timer Button:** Set a timer for automatic ON/OFF operation (refer to specific timer instructions in the full manual).
- **Filter Light:** Illuminates to remind you to clean the air filter.
- **Full Bucket Indicator:** Illuminates when the water collection bucket is full and needs to be emptied. The unit will stop operating until the bucket is emptied and reinserted.

Initial Operation

1. Plug in the dehumidifier.
2. Press the Power button to turn the unit ON.
3. Use the humidity setting buttons to select your desired humidity level. A good starting point is 50% relative humidity.
4. Select your desired fan speed (High or Low).
5. The unit will begin to operate, drawing in moist air and discharging dry air.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your dehumidifier.

Cleaning the Air Filter

1. Turn off the dehumidifier and unplug it from the power outlet.
2. Locate the slide-out, side-mounted nylon filter.
3. Gently slide the filter out of its housing.
4. Wash the filter with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinserting. Do not use a dishwasher.
5. Once dry, slide the filter back into its housing.
6. Plug in the unit and turn it on. The "Check Filter" light should reset.

Frequency: Clean the air filter every two weeks or more frequently if the unit is operating in a dusty environment, or when the "Check Filter" light illuminates.

Emptying the Water Bucket

- When the "Full Bucket" indicator light illuminates, the unit will stop operating.
- Carefully pull out the water collection bucket.
- Empty the collected water into a sink or drain.
- Reinsert the empty bucket firmly into the unit. Ensure it is properly seated to allow the dehumidifier to resume operation.

Cleaning the Unit Exterior

Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; Power cord not plugged in; Full bucket indicator on.	Check power outlet; Ensure power cord is securely plugged in; Empty water bucket and reinsert.
Unit runs but does not dehumidify.	Air filter clogged; Room temperature too low; Humidity setting too high.	Clean air filter; Ensure room temperature is above 41°F (5°C); Lower the desired humidity setting.
Unit is noisy.	Unit not level; Air filter clogged.	Place unit on a level surface; Clean air filter.
Water leaks from the unit.	Water bucket not properly seated; Continuous drain hose not properly connected or sloped.	Ensure water bucket is fully inserted; Check continuous drain hose connection and ensure proper downward slope.

If the problem persists after attempting these solutions, please contact customer support.

SPECIFICATIONS

Feature	Detail
Model Number	BHD-301-H

Feature	Detail
Dehumidification Capacity	30 Pints per Day
Power Supply	115 Volts
Refrigerant	R-410A
Dimensions (W x D x H)	11 x 16 x 21 inches
Item Weight	30.9 pounds
Special Feature	Portable
Fan Speeds	2 (High, Low)

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official HEAT CONTROLLER website. Keep your purchase receipt as proof of purchase for warranty claims.

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