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› [Honeywell](#) /

› [Honeywell Home DR120 Whole-House Dehumidifier User Manual](#)

Honeywell DR120A3000/U

Honeywell Home DR120 Whole-House Dehumidifier User Manual

Model: DR120A3000/U

1. INTRODUCTION

The Honeywell Home DR120 Whole-House Dehumidifier is designed to manage humidity levels throughout your entire home. This unit can be integrated into ducted HVAC systems or used as a freestanding appliance. It features a separate control for fresh air intake, allowing for ventilation even when dehumidification is not required, which helps reduce airborne contaminants.

Proper installation and maintenance are crucial for the efficient and safe operation of this dehumidifier. Please read this manual thoroughly before installation or use.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of injury, electric shock, or fire:

- **Professional Installation:** When integrated into a ducted HVAC system, this unit requires professional installation.
- **Electrical Safety:** Ensure the unit is properly grounded. Disconnect power before performing any service or maintenance.
- **Water Drainage:** Ensure proper drainage to prevent water damage. Do not block the drain hose.
- **Airflow:** Do not obstruct the air intake or exhaust vents. Maintain adequate clearance around the unit.
- **Children and Pets:** Keep children and pets away from the unit during operation.
- **Flammable Materials:** Do not store or use flammable materials near the dehumidifier.

3. PRODUCT FEATURES

- Ductable design for integration with HVAC systems or freestanding use.
- Separate control for fresh air intake to dissipate stale air and reduce airborne contaminants.
- Ventilation capability independent of dehumidification.

- Quiet operation for minimal disturbance.
 - Suitable for residential applications.
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4. SETUP AND INSTALLATION

The DR120 dehumidifier offers flexible installation options:

4.1. Ducted HVAC System Integration

For whole-house dehumidification, the unit can be installed into your existing ducted HVAC system. This configuration requires professional installation to ensure proper ducting, electrical connections, and integration with your HVAC controls. The system's blower must be operational to circulate air through the dehumidifier for effective drying.

4.2. Freestanding Operation

The DR120 can also be used as a freestanding dehumidifier in a specific area. Ensure the unit is placed on a level surface with adequate clearance for airflow. Connect the drain hose to a suitable drainage point.

4.3. Fresh Air Ventilation

The unit includes a separate control for fresh air intake. This feature allows the dehumidifier to pull in fresh air from outside, helping to ventilate indoor spaces and reduce trapped airborne contaminants, even when dehumidification is not active.



Figure 1: Honeywell Home DR120 Whole-House Dehumidifier. This image shows the main unit with its two circular duct connections on the left side, designed for air intake and exhaust. The unit is dark gray with the 'Honeywell' logo visible on the right side panel, and it rests on four adjustable feet.

5. OPERATING INSTRUCTIONS

Once installed, the DR120 dehumidifier operates to maintain desired humidity levels. Specific controls may vary based on your installation type (integrated vs. freestanding) and any external humidistat or smart home system connections.

5.1. Setting Desired Humidity

Adjust the humidistat (either integrated or external) to your preferred humidity level. A common comfortable range is between 40% and 60% relative humidity.

5.2. Ventilation Mode

Utilize the separate control for fresh air intake to activate ventilation. This mode allows the unit to bring in outside air to improve indoor air quality without necessarily engaging the dehumidification function.

5.3. Continuous Operation

The unit will cycle on and off as needed to maintain the set humidity level. Ensure the HVAC system's blower is running if the dehumidifier is integrated into the ductwork.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your dehumidifier.

- **Filter Cleaning/Replacement:** Check and clean or replace the air filter every 3-6 months, or more frequently in dusty environments. Refer to the filter access instructions for your specific setup.
 - **Drainage System:** Periodically inspect the drain pan and drain hose for blockages, kinks, or leaks. Ensure water flows freely to the drain.
 - **Coil Cleaning:** If accessible, gently clean the evaporator and condenser coils annually to remove dust and debris, which can impede efficiency.
 - **Exterior Cleaning:** Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
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7. TROUBLESHOOTING

If your dehumidifier is not operating as expected, consult the following common issues before contacting support:

- **Unit Not Turning On:**
 - Check if the power cord is securely plugged in.
 - Verify the circuit breaker has not tripped.
 - Ensure the humidistat setting is below the current room humidity.
 - **Not Dehumidifying Effectively:**
 - Check if the air filter is clean and not obstructed.
 - Ensure all doors and windows in the dehumidified area are closed.
 - Verify that the HVAC blower is operating if the unit is ducted.
 - Check for proper airflow through the unit's intake and exhaust.
 - **Water Leaking:**
 - Inspect the drain hose for kinks, blockages, or improper connection.
 - Ensure the unit is level.
 - **Unusual Noise:**
 - Check for loose parts or debris inside the unit.
 - Ensure the unit is placed on a stable, level surface.
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8. SPECIFICATIONS

Brand	Honeywell
Model Name	DR120A3000/U
Product Dimensions	32.13"D x 14.75"W x 20.5"H
Color	Multicolor (typically dark gray)
Special Feature	Quiet Operation
Recommended Uses	Residential
Operation Mode	Sleep (Quiet)
Manufacturer	Honeywell
ASIN	B082MPZVW1
Date First Available	January 27, 2021

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official Honeywell Home website. For technical support, service, or to order replacement parts, please contact Honeywell Home customer service. Keep your purchase receipt and model number (DR120A3000/U) readily available when contacting support.