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> [APTOOK 110 Pints Commercial Dehumidifier \(Model OX-R180B\) User Manual](#)

APTOOK OX-R180B

APTOOK 110 Pints Commercial Dehumidifier (Model OX-R180B) User Manual

Effective Humidity Control for Basements and Crawl Spaces

1. IMPORTANT SAFETY INFORMATION

Read all instructions carefully before operating the dehumidifier. Failure to follow these instructions may result in electric shock, fire, or serious injury. Keep this manual for future reference.

- Always connect the unit to a properly grounded electrical outlet.
- Do not operate the unit with a damaged power cord or plug.
- Ensure the unit is placed on a stable, level surface.
- Do not block air inlets or outlets.
- Unplug the unit before cleaning or performing any maintenance.
- This appliance is not intended for use 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 concerning use of the appliance by a person responsible for their safety.

2. PRODUCT OVERVIEW

The APTOOK 110 Pints Commercial Dehumidifier is designed for efficient moisture removal in large areas such as basements, crawl spaces, and commercial environments. It features a robust design, remote control capabilities, and multiple drainage options.



Figure 2.1: Front view of the APTOOK 110 Pints Commercial Dehumidifier. This image shows the main unit with its red and black casing, integrated handles, and the digital control panel displaying humidity and temperature.

Key Features:

- **Large Capacity Dehumidification:** Removes up to 110 pints of moisture per day (at 90°F, 90% RH), suitable for areas up to 1,300 square feet.
- **Remote Control Panel:** External touch control panel with a 32.8-foot extension cord for convenient operation.
- **Compact Design:** Dimensions of 13.9"D x 20"W x 13.9"H, designed for installation in confined spaces like crawl spaces.
- **Auto Defrost:** Operates effectively in temperatures as low as 41°F (5°C) with an automatic defrost cycle.
- **Dual Drainage Options:** Supports gravity drainage via a drain hose or pump drainage (pump sold separately).
- **Ducting Capability:** Features a duct adapter for connecting an exhaust duct (duct sold separately) to distribute dry air.

3. SETUP AND INSTALLATION

3.1 Unpacking

Carefully remove the dehumidifier from its packaging. Inspect the unit for any signs of damage. Retain packaging materials for future transport or storage.

3.2 Placement

The dehumidifier can be installed in two primary ways: on a level surface or suspended from floor joists.

- **Floor Installation:** Place the unit on a stable, level surface. Ensure adequate clearance around the air inlet and outlet for optimal

airflow.

- **Overhead Installation:** Use the included joist hanging kit for secure suspension from floor joists. This method helps reduce noise and vibration.



Figure 3.1: The dehumidifier installed in a crawl space, showing its compact size and potential for overhead installation using the joist hanging kit.

3.3 Drainage Options

The unit offers continuous drainage to eliminate the need for manual water emptying.

- **Gravity Drainage:** Connect the included drain hose to the drain outlet on the unit and direct it to a suitable floor drain or sump pit. Ensure the hose has a continuous downward slope to allow water to flow freely.
- **Pump Drainage (Optional):** For vertical drainage or when a floor drain is not available, connect an external condensation pump (sold separately) to the unit. The pump will automatically discharge collected water to a higher location, such as a window or sink.



Figure 3.2: Illustration of the dehumidifier connected to an external condensation pump for vertical drainage, showing the hose extending upwards to a window.

3.4 Ducting (Optional)

For distributing dry air to specific areas, a duct adapter (sold separately) can be attached to the air outlet. This allows for connection to standard ducting.

Make The Air Fresh And Clear

Duct Adapter Diameter 6.88inch (Duct Buy Separately)



Figure 3.3: The dehumidifier with an exhaust duct attached, demonstrating how it can be used to direct dry air to different areas within a crawl space.

4. OPERATING INSTRUCTIONS

4.1 Control Panel

The unit features a digital control panel that displays current humidity and temperature. It can be operated directly on the unit or remotely using the extended control panel.

Effortless Humidity Control

A 32.8 in extension cord, remove the touch panel and install it upstairs



Figure 4.1: Close-up of the digital control panel, showing the humidity and temperature display, along with buttons for power, timer, mode selection, and humidity adjustment.

4.2 Initial Startup

1. Plug the power cord into a grounded electrical outlet.
2. Press the Power button to turn on the unit.
3. The display will show the current ambient humidity and temperature.

4.3 Setting Desired Humidity

Use the "+" and "-" buttons on the control panel to set your desired humidity level. The unit will operate until the set humidity is reached, then cycle on and off to maintain it.

4.4 Mode Selection

Press the "Mode" button to cycle through available operating modes (e.g., Continuous, Auto). Refer to the display for the active mode.

4.5 Timer Function

The 24-hour timer allows you to schedule the unit to turn on or off automatically. Consult the full manual for detailed timer programming instructions.

5. MAINTENANCE

5.1 Filter Cleaning

Regular cleaning of the air filter is crucial for maintaining efficiency and extending the lifespan of the unit. The filter is washable.

1. Unplug the dehumidifier from the power outlet.
2. Locate and remove the air filter.
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinstalling.
5. Reinstall the dry filter and plug the unit back in.



Figure 5.1: The side panel of the dehumidifier opened to reveal the washable air filter, indicating easy access for maintenance.

5.2 Auto Defrost Function

The unit is equipped with an automatic defrost system. When frost builds up on the evaporator coils, the unit will temporarily stop dehumidifying and run the fan to melt the frost. This ensures continuous operation in low-temperature environments.



Figure 5.2: Diagram illustrating the auto defrost function, showing how the unit prevents frost buildup on its coils for efficient operation.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on	No power; Power cord not fully plugged in; Circuit breaker tripped.	Check power supply; Ensure plug is secure; Reset circuit breaker.
No water collected	Humidity level too low; Temperature too low; Air filter clogged.	Adjust desired humidity setting; Ensure ambient temperature is above 41°F; Clean air filter.
Unit is noisy	Unit not on a level surface; Obstruction in fan; Loose components.	Place on a level surface; Check for and remove obstructions; Contact customer support if noise persists.
Remote control panel not responding	Cable not connected properly; Panel damaged.	Ensure the extension cable is securely connected; Contact customer support.

If troubleshooting steps do not resolve the issue, please contact APTOOK customer support.

7. SPECIFICATIONS

- **Brand:** APTOOK
- **Model:** OX-R180B
- **Dehumidification Capacity:** 110 Pints per day (at 90°F, 90% RH) / 60 Pints per day (at 80°F, 60% RH)
- **Coverage Area:** Up to 1,300 sq. ft.
- **Product Dimensions:** 13.9"D x 20"W x 13.9"H
- **Item Weight:** 54.9 pounds
- **Power:** 567 watts
- **Air Flow Capacity:** 125 Cubic Feet Per Minute (CFM)
- **Operating Temperature Range:** 41°F - 110°F (5°C - 43°C)
- **Special Features:** Adjustable Humidity Control, Automatic Defrost, Continuous Draining, Portable, Remote Control Panel
- **Material:** Metal
- **Included Components:** Dehumidifier unit, Drain Hose, Remote Control

- **Optional Accessories (Sold Separately):** Duct adapter, External Condensation Pump

8. WARRANTY AND SUPPORT

APTOOK dehumidifiers include a 1-year warranty. For warranty claims or technical assistance, please contact customer support.

- **Warranty Period:** 1 Year Full Coverage
- **Return Policy:** 30-Days Money Back
- **Support Response Time:** 12 Hours Reply

For further assistance, visit the official APTOOK Store: [APTOOK Store on Amazon](#)

9. PRODUCT VIDEOS

Watch this official product video for visual guidance on setup and operation.

110 Pint Crawl Space Dehumidifier with Drain Hose

Your browser does not support the video tag.

This video provides an overview of the APTOOK 110 Pint Crawl Space Dehumidifier, highlighting its features and demonstrating its use with a drain hose. It covers aspects of its design and functionality for effective moisture removal.

