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Keystone KSTAD70B

Keystone KSTAD70B 70-Pint Dehumidifier User Manual

1. Introduction

This manual provides essential information for the safe and efficient operation of your Keystone KSTAD70B 70-Pint Dehumidifier. This unit is designed to remove up to 70 pints of moisture from the air daily, suitable for rooms up to 4500 square feet. Key features include electronic controls with an LED display, a 24-hour timer, a transparent water level indicator, and a full bucket alert with automatic shutoff. It also offers a continuous draining option and a removable, easy-to-clean dust filter with a clean-filter alert. The auto-restart function preserves your settings after a power outage, and rolling casters facilitate easy movement.

Figure 1: Front view of the Keystone KSTAD70B Dehumidifier.

2. Safety Information

Please read all safety instructions before operating the dehumidifier to prevent injury or damage. Keep this manual

for future reference.

- Always connect the unit to a properly grounded electrical outlet of the correct voltage.
- Do not operate the unit with a damaged power cord or plug.
- Ensure adequate clearance (at least 12-18 inches) around the air intake and outlet to prevent overheating and ensure efficient operation.
- Do not block the air vents.
- Do not use the dehumidifier near water or in excessively wet environments.
- 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.
- Do not use chemical solvents or abrasive cleaners on the unit.

3. Setup and Placement

3.1 Unpacking

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

3.2 Placement

For optimal performance, place the dehumidifier in a location where air can circulate freely around it. The unit circulates air from the sides, not the top. Therefore, avoid placing it directly in a corner or against walls. Maintain a minimum clearance of 12-18 inches (30-45 cm) on all sides to ensure proper airflow.

3.3 Initial Power On

Plug the power cord into a grounded electrical outlet. The unit is now ready for operation.

4. Operating Instructions

4.1 Control Panel Overview

Figure 2: Control panel of the Keystone KSTAD70B Dehumidifier.

The control panel features an LED display and various buttons for setting the dehumidifier's functions:

- **Power Button:** Turns the unit on or off.
- **Fan Button:** Adjusts fan speed (typically Low, Medium, High).
- **Timer Button:** Sets the 24-hour on/off timer.
- **Up/Down Arrows:** Adjust humidity level settings or timer duration.
- **Filter Indicator:** Illuminates when the air filter needs cleaning.
- **Full Indicator:** Illuminates when the water bucket is full and needs emptying.
- **Cont. (Continuous) Indicator:** Illuminates when the unit is set for continuous operation.
- **Turbo Mode:** Activates maximum dehumidification.
- **Normal Mode:** Standard dehumidification operation.
- **Auto Defrost:** Automatically defrosts the coils if ice builds up.

4.2 Setting Desired Humidity Level

Press the Up or Down arrow buttons to set your desired humidity level. The unit will operate until the set humidity is reached, then cycle on and off to maintain it. The recommended humidity range for comfort is typically between 45% and 55%.

4.3 Continuous Operation

To run the dehumidifier continuously, select the 'Cont.' setting. In this mode, the unit will operate regardless of the ambient humidity level. Note that when continuous operation is selected, the humidity setpoint buttons will not respond.

4.4 Timer Function

Use the Timer button to program the unit to turn on or off automatically after a set number of hours (up to 24 hours).

4.5 Auto-Restart

The unit features an auto-restart function that saves your settings. In the event of a power outage, the dehumidifier will automatically resume operation with the last settings once power is restored.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your dehumidifier.

5.1 Emptying the Water Bucket

When the water bucket is full, the 'Full' indicator light will illuminate, and the unit will automatically shut off. Carefully remove the bucket and empty the collected water. Reinsert the bucket firmly until it clicks into place to resume operation.

Figure 3: Removing the water collection bucket.

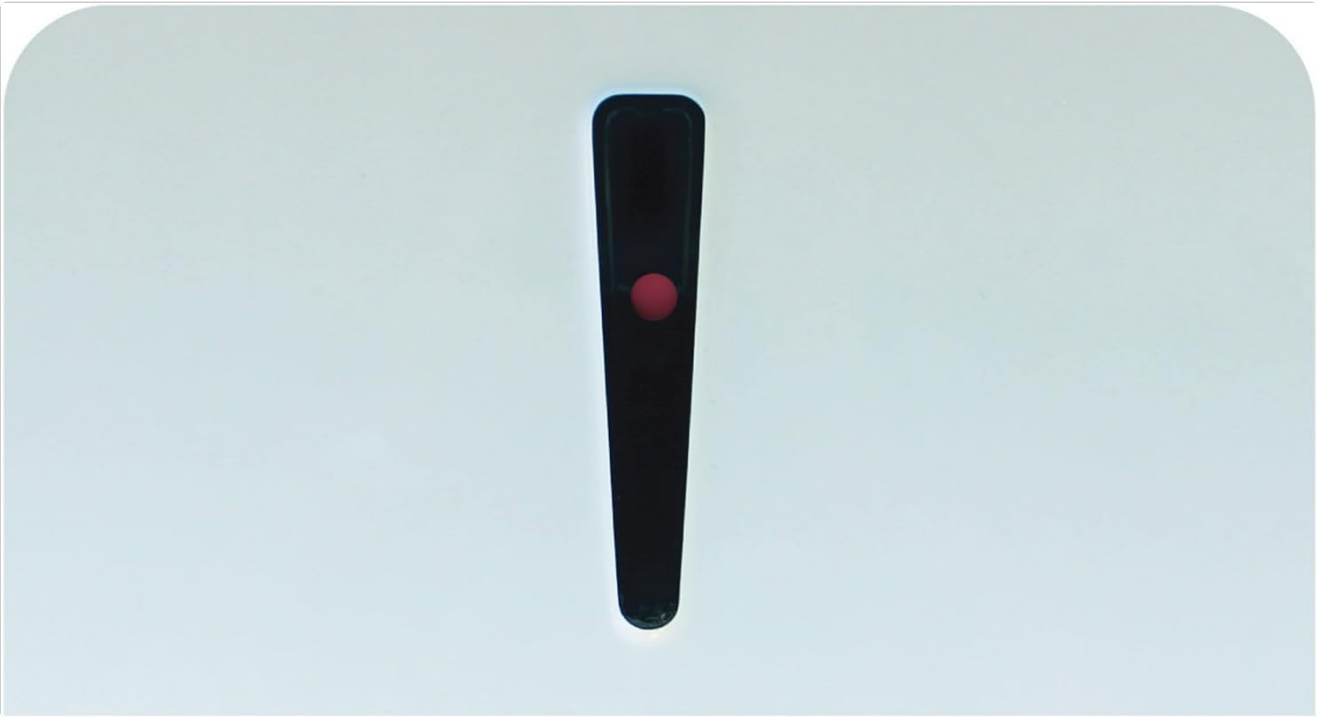

Figure 4: Transparent water level indicator.

5.2 Continuous Draining Option

For continuous operation without emptying the bucket, you can connect a standard garden hose (not included) to the

unit's low-level drain. The unit includes an adapter with a clear hose that pushes onto a smooth plastic fitting inside the unit. This adapter has male hose threads for attaching a garden hose. Ensure the hose is routed downwards to a suitable drain to allow gravity to remove the water.

5.3 Cleaning the Air Filter

The 'Filter' indicator light will remind you when it's time to clean the air filter. A clean filter ensures efficient operation and better air quality. To clean, lift the filter straight up from the top at the front corner of the unit and slide it out. Wash the filter with warm, soapy water, rinse thoroughly, and allow it to air dry completely before reinserting.

Figure 5: Removing the air filter for cleaning.

6. Troubleshooting

Before contacting support, try these common troubleshooting steps:

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; power cord loose; 'Full' indicator on.	Check power supply; ensure cord is plugged in; empty water bucket.
Unit runs but does not dehumidify.	Air filter clogged; room temperature too low; unit size too small for area.	Clean air filter; ensure room temperature is above 41°F (5°C); consider unit placement.
Unit is noisy.	Unit not level; fan obstruction.	Place on a flat, stable surface; check for obstructions in fan area.
Water leaks from unit.	Water bucket not properly seated; continuous drain hose loose or clogged.	Ensure bucket is fully inserted; check continuous drain hose connection and clear any blockages.

7. Specifications

Feature	Detail
Brand	Keystone
Model Name	KSTAD70B
Dehumidification Capacity	70 Pints per Day
Recommended Room Size	Up to 4500 Square Feet
Color	White
Special Features	Automatic Restart, Automatic Shutoff
Number of Speeds	3
Operation Mode	Normal, Turbo, Auto-Defrost
Wattage	720 watts
Item Weight	40 Pounds
Product Dimensions (L x W x H)	11.25 x 15.5 x 23.25 inches
Recommended Uses	Residential

8. Warranty Information

The Keystone KSTAD70B Dehumidifier comes with a **1-year warranty** on parts and labor, and a **limited 5-year warranty** on the sealed system. Please refer to the physical warranty card included with your product for full terms and conditions.

9. Customer Support

For product registration, warranty claims, or technical assistance, please refer to the contact information provided in the physical instruction manual that came with your dehumidifier. Online registration or direct manufacturer contact information may not be readily available; therefore, retaining your original manual is important for support inquiries.

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