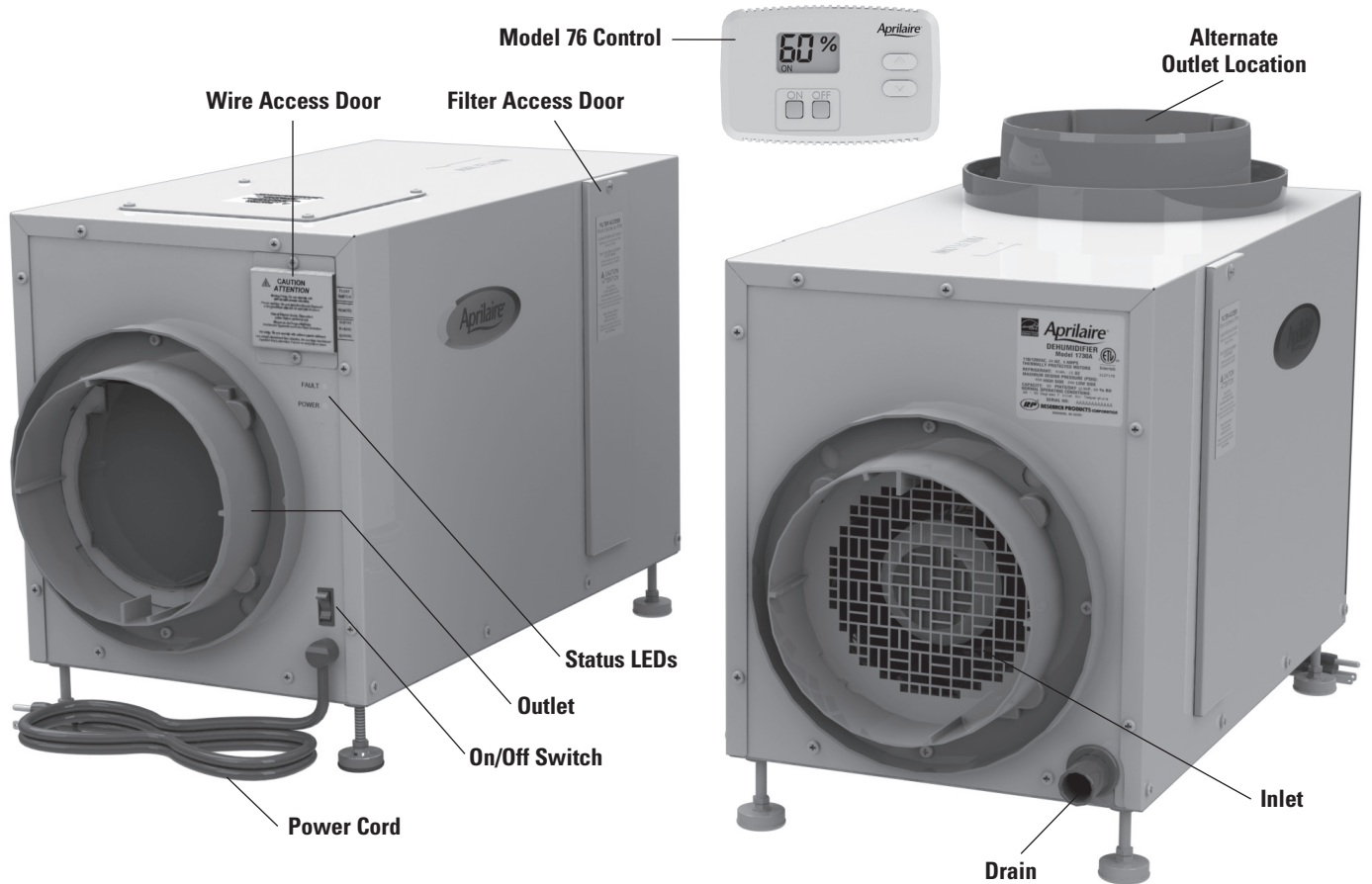


PLEASE LEAVE THIS MANUAL WITH THE HOMEOWNER

Installed by: _____ Installer Phone: _____ Date Installed: _____



⚠ CAUTION

1. Do not use solvents or cleaners on or near the display or circuit board.
2. Unplug the dehumidifier before servicing. Sudden operation may cause personal injury or property damage.

PRINCIPLE OF OPERATION

Your Aprilaire® Whole-Home Dehumidifier installs as part of your home's central heating and cooling system, removing excess moisture and reducing the damage that mold and mildew can have on the sustainability of your home and the health of your family. The Model 76 digital control constantly monitors and displays the relative humidity of the air in your home and controls it to the level you set, putting you in control of your comfort.

OPERATING INSTRUCTIONS

DEHUMIDIFIER

Begin by plugging in the dehumidifier and turning the On/Off switch ON.

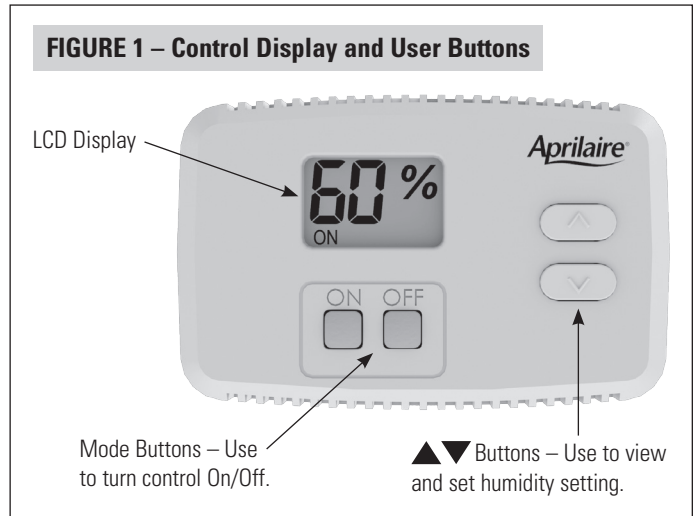
CONTROL

The control will allow you to set the desired relative humidity (%RH) level in your home and can be used to turn dehumidification On or Off. Begin by pressing the ON button and ON will be displayed on the LCD Screen (see LCD display in **Figure 1**). Use the arrow buttons to set the control at 59% when first installed. Allow the dehumidifier to run until the initial setpoint has been reached, before deciding if you want to change the humidity setting.

▲ **Raise the setting if you prefer the air to be less dry;** this will reduce the amount of time that the dehumidifier runs.

▼ **Lower the setting if you prefer the air to be more dry;** this will increase the amount of time that the dehumidifier runs.

Your comfort is the best measure of how to adjust your setting. When first installed, your dehumidifier has to remove all the moisture that is initially in your home. The home acts like a sponge so the moisture in the materials of your home is at the same level as the air. After drying the air, the materials of the home will release moisture back into the air until they are again at the same level. As a result, it is not uncommon for the dehumidifier to operate for an extended period of time when first installed.



Energy Savings Tip #1: Adjust the setting to be as high as is comfortable to reduce dehumidifier run time – if it feels clammy or smells damp or moldy lower the setting. To save energy, turn the dehumidifier control OFF when you open your windows just as you would with air conditioning.

Energy Savings Tip #2: If vacating your home for an extended period in the summer, set the RH at 59% and set your thermostat to as high as you are comfortable setting it in the cooling mode. Consult with appropriate professionals regarding the highest temperature that is safe for your pets or possessions. This will keep the humidity at a controlled level to help prevent mold while minimizing the amount of cooling energy used.

LCD DISPLAY

FIGURE 2 – LCD Display

Numbers show current room humidity OR humidity setting

Solid ON:

Control On

Blinking ON:

Dehumidifying

OFF: Control Off

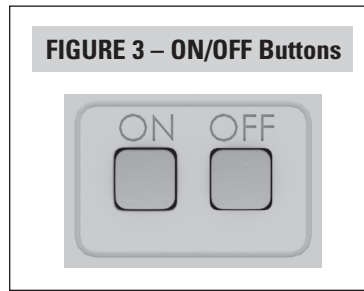


SET is displayed when ▲ or ▼ is pressed. The value displayed is the humidity setting. See **Figure 5**.

Blinking ON + *: Control Limit Exceeded. See **Control Limits**, page 3.

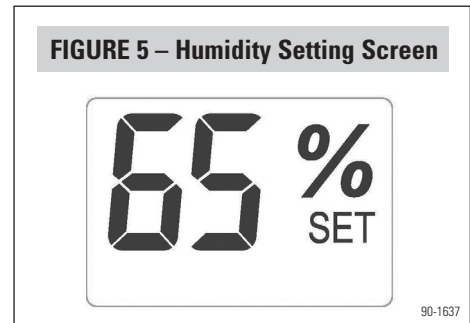
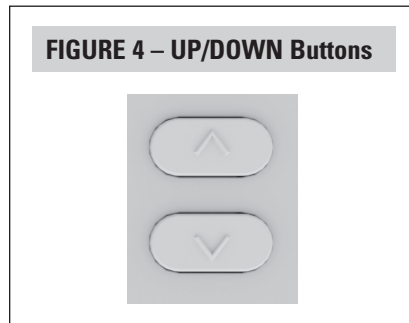
TURNING CONTROL ON/OFF

- Pressing the ON button will turn on the control.
- Pressing the OFF button will turn off the control.
- The control will continue to display the measured humidity when OFF.
- The humidity setting cannot be changed when the control is OFF.



CHANGING THE HUMIDITY SETTING

- The first press of either the ▲ or ▼ button will display the humidity setting on the LCD. The setting can be adjusted between 40% and 80%.
- Each subsequent push of the up or down buttons will change the setting by 1%.
- If a button is held down, the setting will continually change by 1% every 1/2 second for as long as the button is pressed.
- The control will exit the humidity setting screen 5 seconds after the last button press/release.



HOW DOES THE CONTROL WORK?

- When the measured humidity is greater than the setting, the control will turn on the dehumidifier and ON will blink on the LCD display.
- When the measured humidity falls 3% below the setting, the control will turn off the dehumidifier and ON will stop blinking, but remain displayed on the LCD.

CONTROL LIMITS

The control limits are used to make sure the dehumidifier does not run when conditions are outside of the operating limits. Dehumidifiers are not as effective when conditions are outside of the operating limits. For example, the dehumidifier will not remove much moisture when conditions are cool and dry. Control limits allow the dehumidifier to work efficiently within the operating range and turn off when conditions are outside of these limits.

- Dew Point Lower Limit: 40°F
- Temperature High Limit: 99°F

SEQUENCE OF OPERATION

- The dehumidifier will turn off if one of the control limits has been exceeded.
- If the control measures a dew point below 40°F OR a temperature above 99°F, the control will deactivate the dehumidifier output if actively dehumidifying, the dehumidifier will stop dehumidifying, and **ON** and ✱ will blink on the LCD screen (see **Figure 2**).
- The control will resume normal operation when conditions fall back within the control limits.

MAINTENANCE

AIR FILTER

The air filter in the dehumidifier should be cleaned or replaced once per year. A clean filter allows the dehumidifier to run at full capacity and prevents damage to the dehumidifier. To remove the filter, unplug or disconnect power to the dehumidifier. Remove the filter by removing the filter access door on the side of the unit. The filter can be cleaned by flushing with warm water and a detergent solution. Allow the filter to dry before reinstalling in the dehumidifier. Reinsert the cleaned or new filter, replace the filter access door and reconnect power/turn on the dehumidifier. A replacement filter, Model 4904, is available from your installing contractor or from most HVAC contractors in your area.

DRAIN

The drain and drain hose should be checked and cleaned of debris annually.

CONTROL

The surface of the Model 76 Dehumidifier Control can be cleaned with water or a non-abrasive household cleaner, including glass cleaner. **Do not spray any liquid directly onto the control.** Spray water or a cleaner onto a soft cloth and gently wipe the surface of the control.

LIMITED WARRANTY

Your Research Products Corporation Aprilaire Dehumidifier is expressly warranted for five (5) years from date of installation to be free from defects in materials or workmanship.

Research Products Corporation's exclusive obligation under this warranty shall be to supply, without charge, a replacement for any component which is found to be defective within such five (5) year period and which is returned not later than thirty (30) days after said five (5) year period by you to either your original supplier or to Research Products Corporation, Madison, Wisconsin 53701, together with the model number and installation date of the dehumidifier.

THIS WARRANTY SHALL NOT OBLIGATE RESEARCH PRODUCTS CORPORATION FOR ANY LABOR COSTS AND SHALL NOT APPLY TO DEFECTS IN WORKMANSHIP OR MATERIALS FURNISHED BY YOUR INSTALLER AS CONTRASTED TO DEFECTS IN THE DEHUMIDIFIER ITSELF.

IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE AFORESAID FIVE YEAR PERIOD. RESEARCH PRODUCTS CORPORATION'S LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, OTHER THAN DAMAGES FOR PERSONAL INJURIES, RESULTING FROM ANY BREACH OF THE AFORESAID IMPLIED WARRANTIES OR THE ABOVE LIMITED WARRANTY IS EXPRESSLY EXCLUDED. THIS LIMITED WARRANTY IS VOID IF DEFECT(S) RESULT FROM FAILURE TO HAVE THIS UNIT INSTALLED BY A QUALIFIED HEATING AND AIR CONDITIONING CONTRACTOR. IF THE LIMITED WARRANTY IS VOID DUE TO FAILURE TO USE A QUALIFIED CONTRACTOR, ALL DISCLAIMERS OF IMPLIED WARRANTIES SHALL BE EFFECTIVE UPON INSTALLATION.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages so the above exclusion or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

WARRANTY REGISTRATION

Take a few minutes to visit us on-line at www.aprilaire.com to register your Aprilaire product.

If you do not have on-line access, please mail a postcard with your name, address, phone number, product purchased and date of purchase to:
Research Products Corporation, P.O. BOX 1467, Madison, WI 53701

Thank you!

YOUR WARRANTY REGISTRATION INFORMATION WILL NOT BE SOLD OR SHARED OUTSIDE OF THIS COMPANY.

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