

## I. PRINCIPLE OF OPERATION

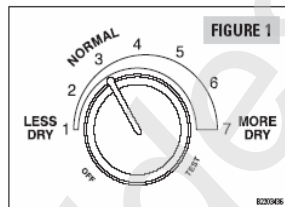
The purpose of the Aprilaire® Dehumidifier is to keep humidity in the house at acceptable limits to reduce the unwanted effects of high humidity. The dehumidifier measures the condition of the house air to decide when to run.

## II. OPERATING INSTRUCTIONS

There are three adjustable settings: the **dryness setting**, the **air cycle period** and the **air cycle time** within that period. The dehumidifier can be set from "1" or "LESS DRY" to "7" or "MORE DRY" based on desired comfort level. Most installations should be initially set to the "3" or "NORMAL" setting; however this can be adjusted to your individual needs.

### 1. ADJUSTING THE DEHUMIDIFIER SET POINT

Use the main control knob (**Figure 1**) on the outside of the unit to set the dehumidifier dryness setting. Start with a "NORMAL" setting for most installations. Moving the knob clockwise to "MORE DRY" will make conditions drier. Moving the knob toward "LESS DRY" allows for higher moisture levels.



Based on the thermostat set point, use the following table to determine the control knob setting to reach the desired RH value. The dehumidifier will work to achieve these values.

%RH (± 5%) based on Control Knob Setting and Indoor Temperature				
Control Knob Setting	Indoor Temperature(°F)			
	65	70	75	80
1 - "LESS DRY"		84%	71%	60%
2	86%	73%	61%	52%
3 - "NORMAL"	74%	63%	53%	45%
4	64%	54%	45%	39%
5	55%	46%	39%	33%
6	47%	39%	33%	28%
7 - "MORE DRY"	40%	34%	28%	24%

**EXAMPLE:** At an indoor temperature of 75°F with a dehumidifier control knob setting of 3 - NORMAL, the dehumidifier will work to achieve an RH value of 53%.

#### NOTES:

1. %RH values are ±5% and are to be used as a **GUIDE ONLY** for initial set-up.
2. Indoor Temperature is measured at the inlet to the Model 1700.

## IV. MAINTENANCE

### AIR FILTER

Under normal circumstances, the filter in the dehumidifier should be cleaned or replaced once a year. A clean filter is necessary to prevent damage to the dehumidifier and allow it to function at full capacity. To remove the filter, first unplug or disconnect power to the dehumidifier, then remove the air filter via the access panel on the side of the dehumidifier. To clean, flush with warm water and detergent solution. After a clean or new filter is reinstalled, replace the access panel and reconnect power to the dehumidifier. The replacement filter for the dehumidifier is Model 4510 and is available from your installing contractor or from most other HVAC contractors in your area.

### DRAIN

The drain trap or outlet should be checked and cleaned of debris annually. Flush it with water under pressure to ensure opening is clear.

## V. 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

Please... Take a few minutes to visit us on-line at  
**[www.aprilaire.com](http://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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**Aprilaire®**

**Free Standing  
Dehumidifier**



## Model 1700FS Dehumidifier Owner's Manual Includes Safety & Operating Instructions and Warranty Information

### **WARNING**

120 volts may cause serious injury from electric shock. Disconnect electrical power before servicing.

### **CAUTION**

Sudden operation may cause personal injury or property damage. Unplug the dehumidifier before servicing.

**READ AND SAVE THESE INSTRUCTIONS**