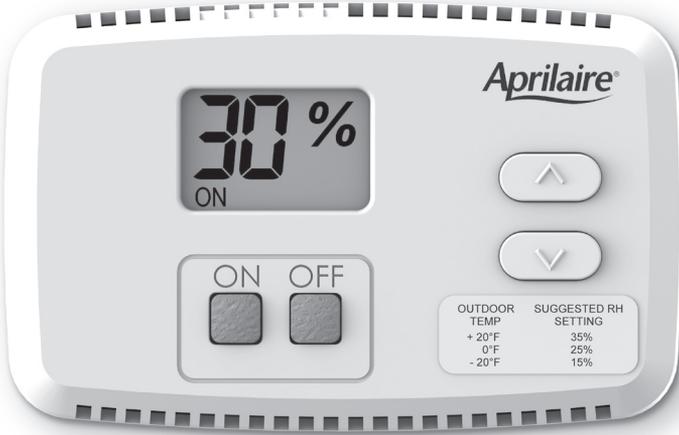




# Model 65 Humidifier Control



## Model 65 Humidifier Control Owner's Manual

Installed by: \_\_\_\_\_

Installer Phone: \_\_\_\_\_ Date Installed: \_\_\_\_\_

**PLEASE LEAVE THIS MANUAL WITH THE HOMEOWNER**

Thank you for purchasing the Aprilaire® Model 65 Humidifier Control. Your control allows you to set the RH (Relative Humidity) level for your home and will control your humidifier to maintain the setting. The control also displays the RH.

The RH setting you choose will depend on your comfort level and the amount of moisture your home can tolerate without causing condensation to form on windows or other surfaces. As outdoor temperature drops, condensation is more likely to occur on cold surfaces such as windows, and so the RH set point will need to be adjusted accordingly. The control comes with a label you can apply to the front that will serve as a reminder and a guideline for adjusting the RH setting as outdoor temperature varies. The recommended settings, also shown in **Table 1** are based on years of research and apply to the average home.

If you have other devices that measure and display RH, they may not match the display on the Model 65 control due to differences in calibration or the location of the devices. The Model 65 control allows you to apply an offset to the display so that it will match another device. Whether the actual RH is 32% or 36% does not matter as long as you are comfortable.

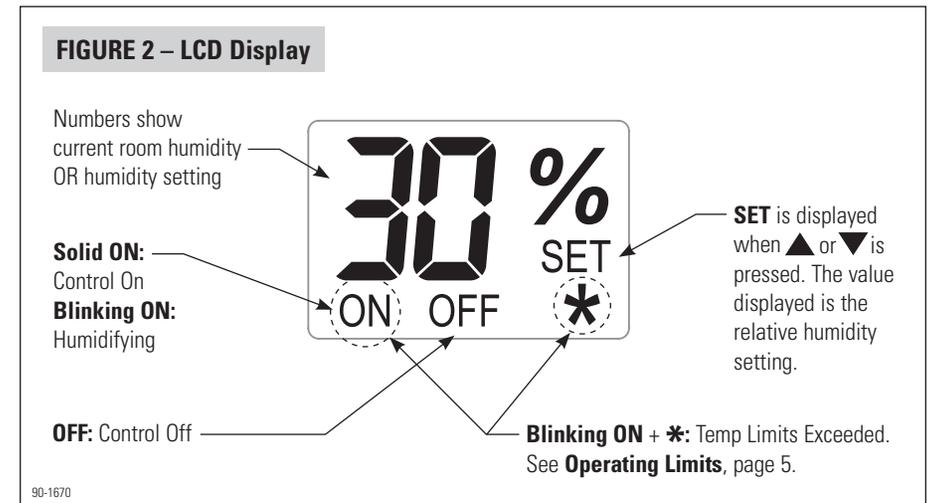
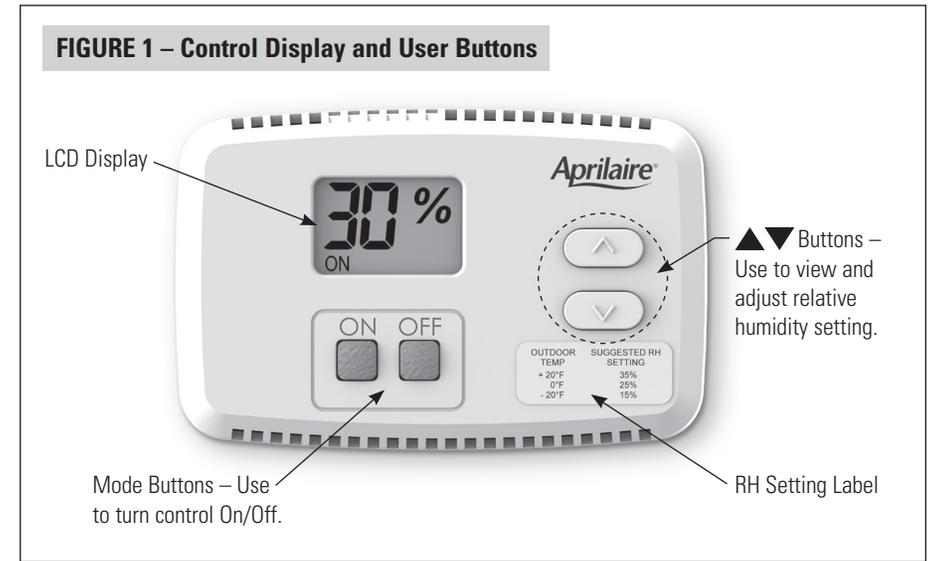
## SETTING AND OPERATING THE CONTROL – SEE FIGURES 1 & 2

Apply the RH setting label to the front cover if you want a guideline for setting the control according to outdoor temperature. Since all houses are different, you will need to determine exactly where to set the control so that you have enough humidity to meet your needs, but not so much as to cause excess condensation on windows or other cold surfaces.

**⚠ CAUTION**

Do not adjust humidity set-point above recommended level or to recommended level if condensation occurs on inside surface of windows or on other surfaces. Excess condensation can cause damage to structure or furnishings. Excess moisture can also allow the possibility for mold growth to occur.

When the control is first powered up, it will display “30%”, which is the default setting.



## TURNING CONTROL ON & OFF

Begin by pressing the ON button. "ON" will appear on the display. This means the control is on, but it does not necessarily mean the humidifier is running. In order for the control to turn on your humidifier, several conditions must be met:

- 1) The control and humidifier must be powered,
- 2) the RH level in the conditioned space must be below the set point, and
- 3) your furnace or furnace blower must be running.

When these conditions are met and the humidifier is operating, "ON" will blink in the control display.

**NOTE:** If you have an Aprilaire Model 800 Steam Humidifier and a Model 850 Fan Pack, they will operate independently of any HVAC (Heating, Ventilating and Air Conditioning) equipment.

To disable the humidifier, press the OFF button. The control will remain on and display "OFF" plus the actual RH but will not allow the humidifier to operate. The control must be ON in order to adjust the RH setting.

## SETTING THE DESIRED RH LEVEL

Use the ▲ and ▼ buttons to display and raise or lower the RH setting. When pressing the ▲ and ▼ buttons, "SET" and the RH setting will be displayed. Each press of the buttons will change the setting by 1% RH. If a button is pressed and held, the setting will change 1% RH every 1/2 second. "SET" will disappear and the display will once again show the actual RH 5 seconds after the buttons are pressed.

**Table 1 – Outdoor Temperature and Recommended Indoor RH Setting**

Outdoor Temperature	Recommended Indoor RH Setting
+40°F	45%
+30°F	40%
+20°F	35%
+10°F	30%
0°F	25%
-10°F	20%
-20°F	15%

## OPERATING LIMITS

If the temperature in the space to be conditioned drops below 40°F or rises above 99°F, the control will not allow the humidifier to operate. Under these conditions, the display will blink "ON" and "✖". Once the temperature is in the normal operating range, the control will once again allow the humidifier to operate and the blinking "ON" and "✖" will no longer be displayed.

## ADJUSTING THE RH DISPLAY OFFSET

If you have another device that displays RH in your home, it may not match the Model 65 Control display due to placement or a difference in calibration. If you want the devices to match, the RH displayed by the Model 65 control can be adjusted higher or lower by up to five percentage points. Allow the control to acclimate to the space for 48 hours before adjusting the offset.

The control must be on in order to adjust the offset. Press and hold the OFF button for 5 seconds or until the display shows a value between -5% and +5%. Use the ▲ and ▼ buttons to adjust the offset. The control will revert back to the normal display mode after 5 seconds.

## CLEANING THE CONTROL

The outside surface of the control may be cleaned with cloth dampened with water or glass cleaner. Do not spray liquid onto the control. Do not use abrasive or solvent-based cleansers on the control. Damage to the control or RH sensor could result.

## LIMITED WARRANTY

Your Aprilaire® Humidifier Control 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 control 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 installation date of the control.

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 CONTROL 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 DEFECTS(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

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, email address, product purchased, date of purchase and dealer name and address to:

Research Products Corporation, P.O. BOX 1467, Madison, WI 53701

**Your Warranty Registration information  
will not be sold or shared outside of this company.**

# Thank you!

**Aprilaire®**

P.O. Box 1467 • Madison, WI 53701-1467 • Phone: 800/334-6011 • Fax: 608/257-4357

**[www.aprilaire.com](http://www.aprilaire.com)**