

This Owner's Manual is provided and hosted by [Appliance Factory Parts](http://www.appliancefactoryparts.com).



APRILAIRE 8552 Owner's Manual

[Shop genuine replacement parts for APRILAIRE 8552](#)

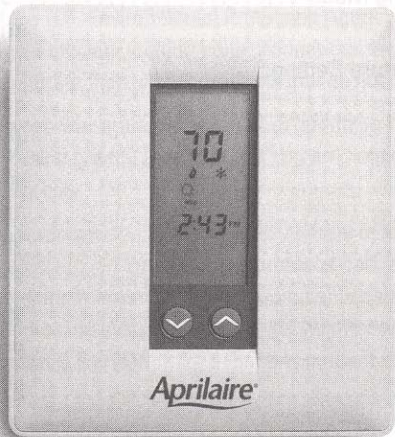


[Find Your APRILAIRE Humidifier Parts - Select From 52 Models](#)

----- Manual continues below -----

Aprilaire®

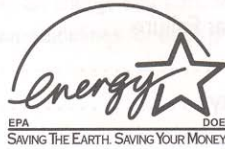
ELECTRONIC THERMOSTAT



Owner's Manual

MODEL 8552

5-2 Day Programmable Thermostat



OWNER'S MANUAL – TABLE OF CONTENTS

Energy Star® Program Information	1
Setting Or Changing The Clock	3
Setting Or Changing The Weekday Program For Heating Mode	5
Program Schedule	6
Setting Or Changing The Weekend Program For Heating Mode	9
Setting Cooling Temperatures	10
Reviewing Programmed Time Schedules And Temperature Settings	12
To Start Running The Program	12
For Best Performance	13
Thermostat Operation	13
• Temperature Control	15
• Time Control	16
• Equipment Control	17
Optional Settings For Additional Thermostat Features	19
In Case Of Power Failure	25
Cleaning	25
Limited Warranty	26

Energy Star® Program





About half of all energy used by households goes to heat the home. By selecting a programmable Aprilaire® Electronic Thermostat, you have made a significant step toward conserving energy while improving your indoor comfort.

In fact, the Aprilaire Electronic Thermostat Model 8552 is an Energy Star product of the U.S. Environmental Protection Agency (EPA). This is a highly efficient, cutting edge product that is good for the environment to operate than similar products that do not qualify for the Energy Star program.

Energy Star products help you differentiate between standard and high efficiency. By using Energy Star products you are helping to prevent rising utility bills.

According to the EPA, taking advantage of the times that you are asleep, an Energy Star thermostat can reduce heating and cooling costs. Aprilaire Thermostat has programmable capabilities that allow you to program heating and cooling systems to meet your comfort and energy needs. EPA's Energy Star Program has determined that this product meets the Energy Star criteria.

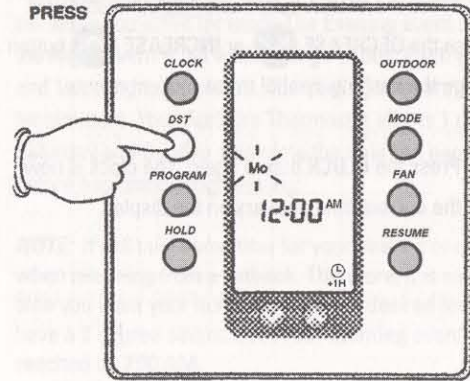
As part of the Energy Star program, your thermostat has been programmed with the following times and temperatures. This has been done to achieve energy efficiency and lower energy bills. If you need to modify your program schedule, see page 6.

EVENT	THERMOSTAT SYMBOL	DESIRED TEMPERATURE SETTING	TIME SCHEDULE						
			Mon	Tue	Wed	Thu	Fri	Sat	Sun
Morning		Heat = 70° Cool = 78°	6:00 am	6:00 am	6:00 am	6:00 am	6:00 am	6:00 am	6:00 am
Day		Heat = 62° Cool = 85°	8:00 am	8:00 am	8:00 am	8:00 am	8:00 am	8:00 am	8:00 am
Evening		Heat = 70° Cool = 78°	5:00 pm	5:00 pm	5:00 pm	5:00 pm	5:00 pm	5:00 pm	5:00 pm
Night		Heat = 62° Cool = 82°	10:00 pm	10:00 pm	10:00 pm	10:00 pm	10:00 pm	10:00 pm	10:00 pm

IMPORTANT: READ ALL IN

Programming your Aprilaire Thermostat is done in t times, and setting your desired temperatures.

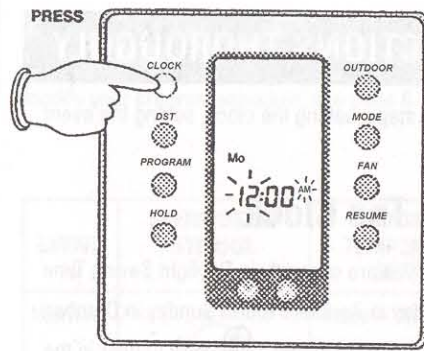
Setting Or Cha



Setting Or Weekday Program

Programming your Aprilaire Electronic Thermostat in your home and selecting the time you want it to be will allow a maximum of 4 time schedules per day. Each **Morning** event is typically when you wake up and is set when you leave for work. The **Evening** event is the **Night** event is set when you go to bed. Each event has 1 heating and 1 cooling temperature. The cooling temperature is set for Saturday and Sunday. Complete the chart on page 6 before beginning programming:

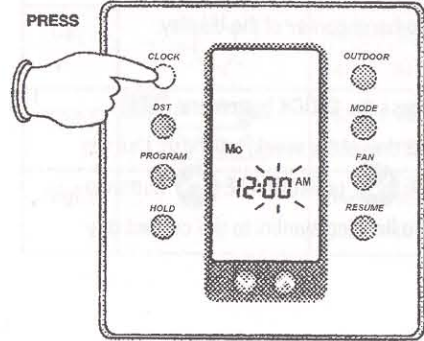
NOTE: It will take some time for your heating or cooling when returning from a setback. Therefore, it is suggested that the time you want your home to reach the desired temperature have a 6 degree setback, set your **Morning** event at 7:00 AM.







Step 3: Press the **CLOCK** button again and "12:" (hours) and "AM" or "PM" will flash. Use the **DECREASE** (down arrow) or **INCREASE** (up arrow) button to change the flashing symbol to the current hour making sure the hour has the proper **AM** or **PM** designation.

Step 4: Press the **CLOCK** button and ":00" (minutes) will flash. Use the **DECREASE** (down arrow) or **INCREASE** (up arrow) button to change the flashing symbol to the current minute.

Step 5: Press the **CLOCK** button again. The clock is now set and the current time appears on the display.

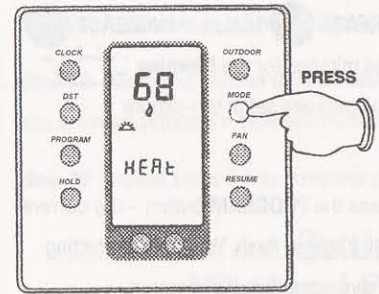


PROGRAM SCHEDULE

EVENT	THERMOSTAT SYMBOL	DESIRED TEMPERATURE SETTING	TIME SCHEDULE	
			MONDAY – FRIDAY	SATURDAY & SUNDAY
Morning		Heat = Cool =		
Day		Heat = Cool =		
Evening		Heat = Cool =		
Night		Heat = Cool =		

NOTE: While programming you must press a button at least every 15 seconds or the thermostat will revert back to the operational mode. If this happens, simply repeatedly press the **PROGRAM** button until you get back to where you left off. The information you have already entered has been retained.

NOTE: If consecutive events have the same temperature, you can skip an event by simultaneously pressing the **PROGRAM** and **MODE** buttons. Press and release the **PROGRAM** button to advance to the next event.



Step 1: Pres

"HEAT" and

Step 2: Pres

PROGRAM

We Th Fr";

event symb

flashing "12

other hour); and flashing "AM" or "PM" will ap

You are now setting the time you want your hea

equipment to come on in the morning.

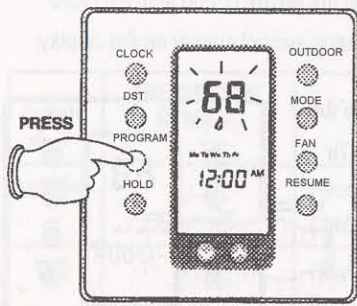
Step 3: Press the **DECREASE**  button or **IN**




button to set the desired hour for the **Morning**

event.

Step 4: Press and release the **PROGRAM** butt


(or some other minutes) will flash.





Step 5: Press the **DECREASE**  button or **INCREASE**  button to set the desired minutes for the **Morning**  event (program starting times are set in ten-minute increments).

Step 6: Press and release the **PROGRAM** button – the current heating temperature will begin to flash. You are now setting the heating temperature you desire in the morning.

Step 7: Press the **DECREASE**  button or **INCREASE**  button to set the desired heating temperature for the **Morning**  event.

Step 8: Press and release the **PROGRAM** button – the **Day**  event symbol will appear. You are now setting the time and heating temperature you want throughout the day.

Step 9: Repeat steps 2-6 to complete programming for the **Day**  event.



Step 10: Press and release the **PROGRAM** button – the **Evening**  event symbol will appear. You are now setting the time and heating temperature you want during the evening.





Step 11: Repeat steps 2-6 to complete programming for the evening.

Step 12: Press and release the **PROGRAM** button – the current heating temperature will begin to flash. You are now setting the time and heating temperature you desire in the evening.

Step 13: Repeat steps 2-6 to complete programming for the weekend.

Setting Or Changing Weekend Program

Step 1: After setting the **Night**  event Weekday **"Sa Su"**; the **Morning**  event symbol; flashing **"12:"** (or some other hour); and flashing **"AM"** or **"PM"** appear on the display. You are now programming the time and temperatures for the weekend.

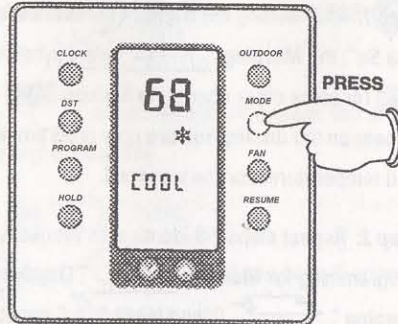
Step 2: Repeat steps 2-6 identical to Weekday programming for **Morning** , **Day** , **Evening** , and **Night**  events for heating mode as applicable.

Setting Cooling Temperatures

NOTE: Cooling temperatures *must* be set at least 2 degrees higher than heating temperatures. (Example: If heating temperature is set at 70°F, cooling temperature must be set to at least 72°F or higher.) If not set at least 2 degrees higher, the thermostat will automatically lower the previously programmed heating temperature to maintain the 2 degree separation.

NOTE: Your event starting times are the same in the cooling mode program as the heating mode start times. Example: If your program start time for the **Morning** "☀️" event is 7:00 AM for heating, the cooling start time is already programmed for 7:00 AM as well. Once you change the program starting time for an event, the thermostat automatically changes the starting time for both the heating and cooling modes.

Step 1: Press and release the **MODE** button until the word "**COOL**" and the "❄️" cooling symbol appear on display.



- 10 -

Step 2: Press and release the **PROGRAM** button – "M We Th Fr"; **Morning** "☀️" event symbol; and flashing starting time you programmed will appear on the display.






Step 3: Press and release the **PROGRAM** button repeatedly until the temperature flashes.

Step 4: Press the **DECREASE** ⏴ button or **INCREASE** ⏵ button to set the desired cooling temperature (for the event). You are now setting the cooling temperature you want in the morning.

Step 5: Repeat steps 2-4 for the **Day** "☀️", **Evening** "🌃", and **Night** "🌙" events.

Step 6: After selecting the cooling temperature for the **Weekday Night** "🌙" event, press and release the **PROGRAM** button. "Sa Su"; **Morning** "☀️" event symbol; and flashing starting time you programmed will appear on the display.

- 11 -

Step 7: Press and release the **PROGRAM** button until the temperature for the **Morning**  event flashes. Repeat steps 2-4 for the **Morning** , **Day** , **Evening** , and **Night**  events.

Reviewing Programmed Time Schedules And Temperature Settings

Step 1: Press and release the **MODE** button repeatedly to advance to the desired mode (heating or cooling).

Step 2: Press and release the **PROGRAM** button repeatedly to advance to "Mo Tu We Th Fr", or "Sa Su" and specific event. Continue pressing the **PROGRAM** button to review the time schedules and temperature settings for each desired event.

To Start Running The Program

After all temperatures and start times have been programmed, press and release the **RESUME** button to start running programs. If no button is pressed thermostat will resume automatically in approximately 15 seconds.

For Best Pe

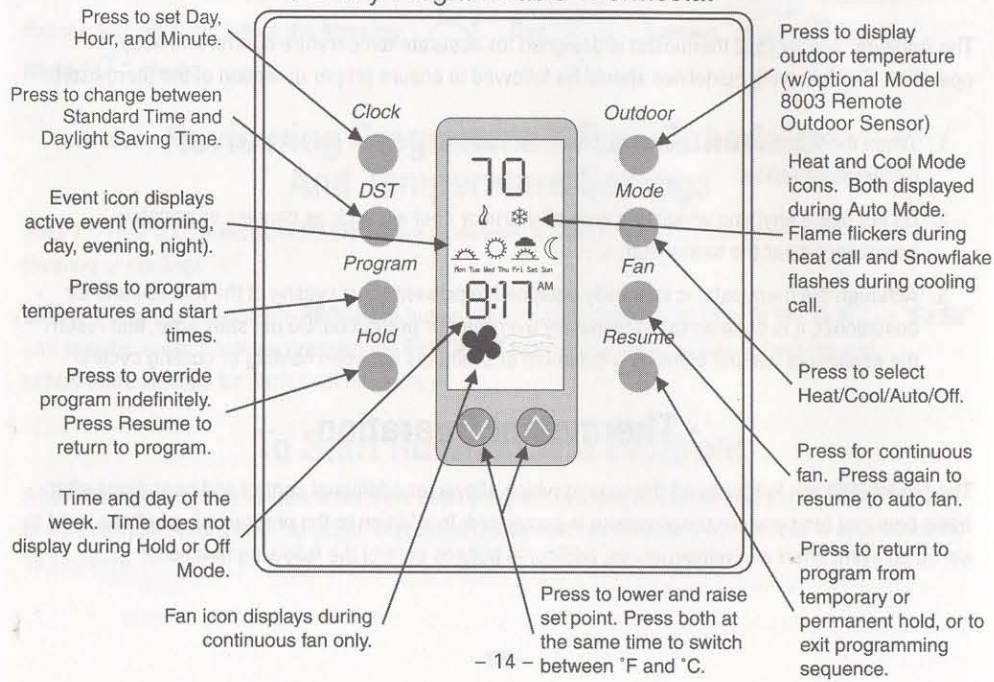
The Aprilaire® Model 8552 thermostat is designed for operation. The following guidelines should be followed:

1. When the thermostat is operating, close the cover over the temperature sensor.
2. Do not place anything which can give off warm air, such as humidifiers, near the thermostat.
3. Although the thermostat is internally equipped with a fan conditioner, it is possible to inadvertently overheat the equipment without allowing a minimum of 2 inches of clearance.

Thermostat



The Model 8552 is a full-featured thermostat which allows basic time and temperature programming is complete. After set up all event times and temperatures, additional b

Aprilaire Model 8552 5-2 Day Programmable Thermostat



TEMPERATURE CONTROL



- **Reading the Actual Room Temperature:** The thermostat displays the actual room temperature, not the set-point temperature.
- **Check the Set-Point Temperature:** Press and release the **Mode** button. The thermostat will display the programmed set-point temperature for 5 seconds before automatically returning to the active mode.
- **Temporarily Override the Set Temperature:** Press and hold the **INCREASE** (▲) button to change the room set-point temperature. The new set-point temperature will be held for 30 seconds before returning to the program.
- **Hold a New Temperature Set Point:** Press and hold the **INCREASE** (▲) button to change the room set-point temperature. The new set-point temperature can be maintained indefinitely by pressing and holding the **INCREASE** (▲) button. The thermostat will maintain this new set-point temperature until the **Resume** button is pressed returning the thermostat to the original program. The thermostat will maintain this new set-point temperature during extended vacant periods (vacations, business trips) and will return to the original program when you return.

- **Returning to Programmed Operation:** At any time, press the **RESUME** button to return the thermostat to operate as programmed.
- **Change Between °C and °F:** The thermostat has the capability of displaying either Celsius or Fahrenheit temperatures. If the displayed temperature seems abnormally high or low (ie: 70°F = 21°C) you may need to switch to °C or °F by simultaneously pressing the **DECREASE**  button and the **INCREASE**  button.
- **Checking the Outdoor Temperature:** If your thermostat was installed with the optional Aprilaire Outdoor Temperature Sensor, simply press the **OUTDOOR** button and the thermostat will display the outdoor temperature for 3 seconds before automatically returning to the actual room temperature display.



TIME CONTROL


- **Change From 12- to 24-Hour Clock:** Press and release the **CLOCK** button, then press the **MODE** button. To return to a standard clock, repeat the process.

EQUIPMENT CONTROL

- **Turning on the Fan:** At any time the system fan can be turned on. Note that a **Fan** icon, "", appears in the lower right corner of the display when the fan is continuously operating. To return the fan to the normal mode, press the **FAN** button, which will remove the icon from the display. In the normal mode, the heating or air conditioning is operating. Continuous fan operation is not recommended on a system equipped with a high efficiency air cleaner or a humidifier. If neither heating nor air conditioning is needed. For some systems, a fan only mode may not be an option.
- **Selecting Cooling Mode:** Press the **MODE** button until the display shows "Cooling". In this mode the air conditioning system will maintain the set temperature until the mode is previously completed unless an override temperature is set. A snowflake icon, "", is on the display, which flashes when the air conditioning system is on.
- **Selecting Heating Mode:** Press the **MODE** button until the display shows "Heating". In this mode the heating system will maintain the set temperature until the mode is previously completed unless an override temperature is set.

No. 2 – Keypad Lock. If tampering with the thermostat is expected and unwanted, the keypad can be locked by moving this switch from the factory set **OFF** position to **ON**. This should not be done until all programming is finalized. In the locked position only the following functions can be done:

- The outdoor temperature button will display the outdoor temperature.
- The **DECREASE**  button or **INCREASE**  button will temporarily change the set point a maximum of plus or minus 3 degrees for a period of 1 hour, before the thermostat automatically returns to the original program.

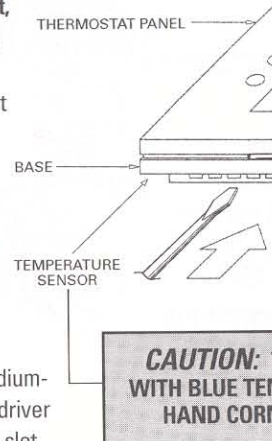
If the thermostat does not respond when a button is pushed it may be because the keypad has been locked. A **Lock** icon “” will appear when a button other than **OUTDOOR** is pushed if the keypad has been locked.

No. 3 – Fan with Heat Call. This switch was set by the installing contractor to operate the thermostat properly with your equipment. **DO NOT** change the position of this switch without consulting with the installing contractor.

To change the DIP switch settings, the thermostat must be removed from the base which is attached to the wall.

The power to the thermostat must be turned off before disassembling or the thermostat can be permanently damaged. If you do not know where the switch is that controls the power to your thermostat, do not attempt to access the DIP switches. The following procedure must be carefully followed:

- a) Turn off power to the thermostat.
- b) Completely open the thermostat cover. The cover will snap into this position.
- c) Carefully insert a medium-sized flathead screwdriver into the latch access slot (see Figure 1).



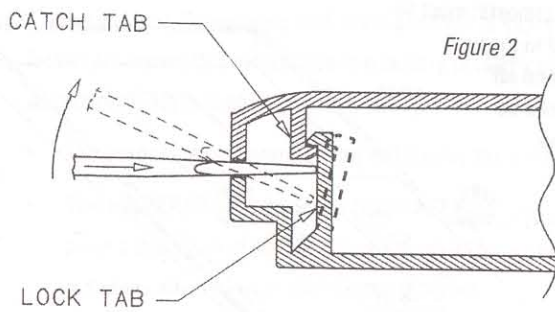
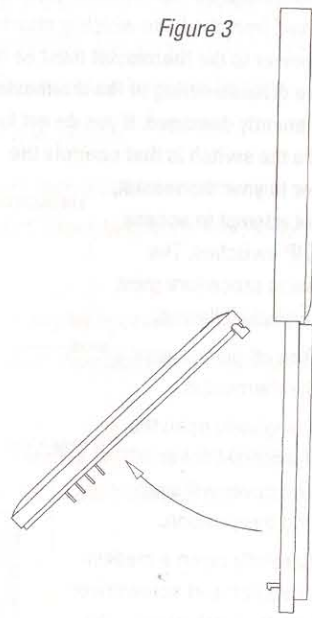


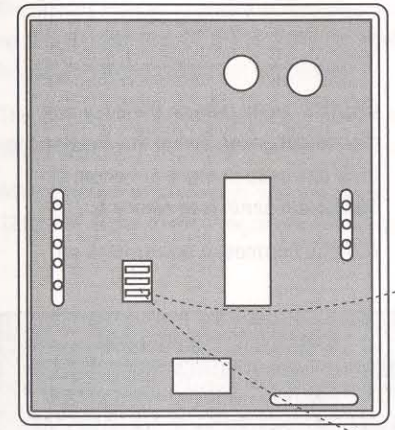
Figure 2

Figure 3



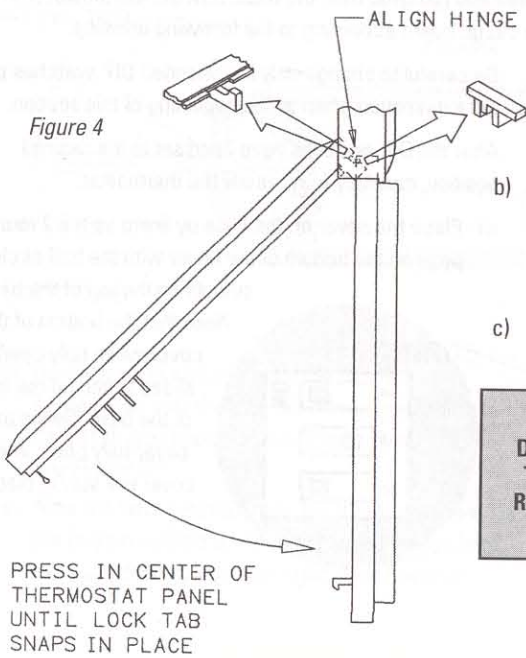
- d) Gently push in and pry up on the handle of the screwdriver until the lock tab disengages from the catch tab (you should feel or hear a click – see Figure 2).
- e) After the latch releases, grip the thermostat panel at the bottom corners and swing it up and away from the base to completely separate (See Figure 3).

Once the thermostat panel has been opened and removed, locate the DIP switches found on the circuit board.



Be careful to follow the explanation in the manual. After the panel is in position, a) Place the screws in the bottom corners.

Figure 4



- b) Align the hinge tabs on the base and thermostat panel. Swing the panel to the base and snap in place at bottom of thermostat panel (see Figure 4).
- c) Turn the thermostat power back on.

CAUTION: TO PREVENT DAMAGE, AVOID CONTACT WITH BLUE TEMPERATURE SENSOR ON BOTTOM RIGHT-HAND CORNER OF THERMOSTAT CIRCUIT BOARD.

In Case Of Pow

The Model 8552 thermostat does not require a battery. If the display indicating power is not being supplied to the thermostat, the heating/cooling system will not operate for up to approximately 30 minutes after the power goes out.

This thermostat is equipped with a continuous memory. The thermostat will never lose what has been programmed.

After a period of 30 minutes without power the clock will reset to 12:00 AM. Refer to the Programming Instructions to reset the clock.

Clean

If the surface of the thermostat becomes dirty it can be cleaned with household cleaners, such as glass cleaner. When using a cleaner, spray the cleaner on the interior of the thermostat. Do not spray any cleaner directly on the thermostat. Use a soft cloth and wipe the surface of the thermostat.

Limited Warranty

Your Research Products Corporation Aprilaire® Thermostat unit is expressly warranted for two (2) years from date of installation to be free from defects in materials and workmanship.

Research Products Corporation's exclusive obligation under this warranty shall be to supply, without charge, a replacement for any thermostat which is found to be defective within a two (2) year period and which is returned, together with the date of installation, no later than thirty (30) days after said two (2) year period by you to either your original supplier or to Research Products Corporation, Madison, Wisconsin 53701.

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 THERMOSTAT ITSELF.

IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE AFORESAID TWO 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 THERMOSTAT 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.

Aprilaire®

TOTAL INDOOR AIR COMFORT SYSTEM

The Aprilaire® Total Indoor Air Comfort System is an integrated group of air quality enhancement products designed to work with your heating and cooling system to make your home more comfortable.

For the best in indoor air quality, ask your heating and cooling contractor about these fine Aprilaire products, or visit us at www.aprilaire.com for your *Indoor Air Solutions*.

Automatic Humidifier

The Best Cure For Dryness®

The world's first computer-equipped, completely automatic humidifier.

High Efficiency Air Cleaner

Nobody Makes Clean Air Easier®

The economical, trouble-free, high efficiency air cleaner for your home.

Fresh Air Exchanger

Only The Freshest Homes Have April Air™

Your best value for a constant, controlled supply of fresh air with energy-recovery.

Zone Control System

Custom Comfort Throughout Your Home®

The most reliable way to achieve temperature control in every area of your home.

Electronic Thermostat

Energy Efficiency Never Looked So Good™

Ultra-thin, easy-to-use programmable or digital controls featuring pinpoint accuracy.



RESEARCH PRODUCTS CORPORATION

P.O. BOX 1467 • MADISON, WI 53701-1467

Products For Better Indoor Air Quality™