

Aprilaire®

Model 8120A & 8126A Digital Ventilation Controller

Owner's Manual

Includes Safety &
Operating Instructions and
Warranty Information

READ AND SAVE THESE INSTRUCTIONS



PRINCIPLES OF OPERATION

Today's houses are constructed using "Green" techniques and energy saving systems. These practices and innovations help reduce your utility bills, but prevent the introduction of fresh air. Without ventilation, stale air and contaminants from cleaning, painting, and exhaust from attached garages can remain in the air for extended periods of time. Your Aprilaire ventilation controller brings in fresh air and circulates it through your home around the clock to help reduce the stuffy effects of trapped stale air. The actual rate of ventilation is determined by the size of your home and the number of occupants. With your investment in the ventilation controller, you have a dependable way of automatically providing fresh air to your home. The controller continuously monitors indoor humidity, along with the outdoor temperature, and operates according to the timer settings as adjusted to your preference, local codes, or the HVAC industry recognized ASHRAE 62.2-2010 guidelines. The ventilation controller will not let outside air enter if it could potentially raise the humidity inside to high levels. To prevent this, the ventilation controller has an upper limit of 55% RH when the outdoor temperature is above 50°F. The ventilation controller can also prevent ventilation in extreme high or low temperatures. See your installing contractor to enable or disable these limits.

Please Note: Ventilation will not occur if the inlet is clogged with debris. Clean this regularly.

SETTING INSTRUCTIONS

Your ventilation controller is installed in the return duct of your furnace or heat pump. There is one user adjustable setting, the ventilation time per hour. For example, if the controller knob is set to 20 minutes, you will get 20 minutes of ventilation every hour. Ventilation occurs during heating and cooling calls. If the heating or cooling system does not initiate ventilation, the controller will turn on the furnace blower to provide the 20 minutes.

- The dial is labeled in 10 minute increments, but can be set to any estimated value within 5 minute accuracy. The installer will have already set this for you according to the size and number of occupants for your home. If you feel like you need more or less time, turn the knob a maximum of 5 minutes either way. Allow ventilation at the new setting to operate for 24 hours before adjusting.
- The TEST/RESET setting is used to check the device for proper installation. This setting will only activate the controller for 1 minute. Do not leave the knob at TEST/RESET.

