



Models FR and FR-V

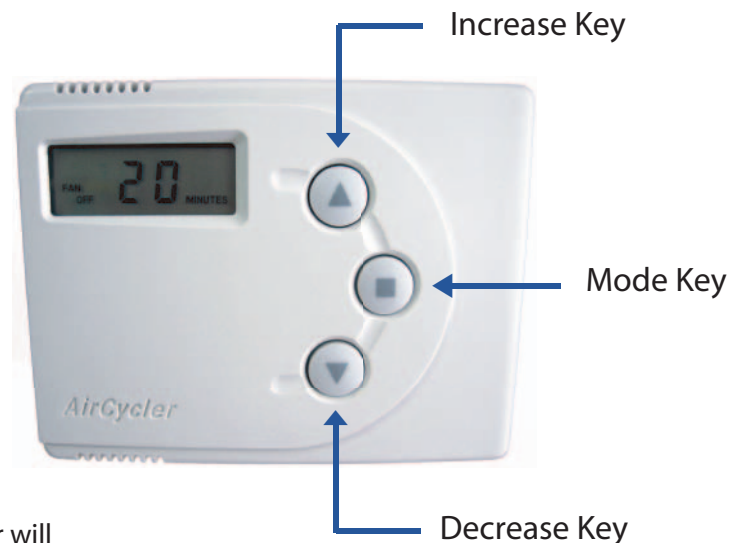
User Guide

Congratulations on purchasing the most advanced controls for ventilation, air distribution, and whole-house mixing.

Operating Mode

Once installed and powered, the AirCycler will automatically enter Operating Mode.

- The factory settings provide 20 minutes of fan off time followed by 10 minutes of fan on time. The LCD display will indicate the current fan activity.
- If the thermostat calls for heating or cooling, the display will read "ON". The AirCycler is now in a standby mode.
- When there is no call for heating or cooling, the AirCycler will display "fan off" and will count down the time remaining until the AirCycler activates the central fan.
- When the AirCycler activates the central fan, the display will read "fan on". The display will now count down the time remaining until the fan is deactivated again. This cycle will repeat until there is another call for heating or cooling from the thermostat.



The Model FR-V has additional settings for outside air damper cycling.

- Factory settings provide 10 minutes of vent on time followed by 20 minutes of vent off time, with the LCD display indicating the current damper activity.
- If the fan is on and the damper is open, the display will indicate VENT ON and the time remaining until the damper closes.
- If the fan is on and the damper is closed, the display will indicate VENT OFF and the time remaining until the damper opens.
- The display will alternate between FAN times and VENT times.

Turning the AirCycler off

Should you choose to turn the AirCycler off during extended vacation periods or when windows are open, press and hold the Mode key for six seconds. All thermostat functions will continue to operate normally. To turn the AirCycler back on, press the Mode key.

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Setup Mode

Setting the FAN ON time

- Press the Mode key once to enter setup mode. FAN ON will flash on the display.
- To change the FAN ON time, use the Increase or Decrease buttons.
- Set the number of minutes between 1 and 199, or select "un" for unlimited operation. This allows the fan to operate continuously after the FAN OFF delay has expired following a cooling or heating cycle.

Setting the FAN OFF time

- To set the delay after the last heating or cooling operation, press the Mode key again. FAN OFF will flash on the display.
- As above, set the number of minutes between 1 and 199.
- Press the Mode key one last time to return to normal operation. or for the FR-V model, proceed to VENT settings.

Note: In humid climates, the FAN OFF time should be at least 6 minutes. This avoids moisture re-evaporation from the coil and condensation in cold supply ducts.

Setting VENT times, FR-V model only

- Press the Mode key until VENT ON flashes.
- Increase or decrease the number of minutes to open the outside air damper while the fan is on.
- Press Mode again, VENT OFF will flash.
- Increase or decrease the number of minutes to close the outside air damper after the VENT ON time has elapsed.
- This cycle repeats for the duration of time the central fan is operating continuously

Testing the AirCycler

Trained technicians use Test mode to verify or demonstrate the control operation. The test mode will display fan activity in seconds rather than minutes.

To activate Test mode, follow these steps.

- Press the Mode key
- Press the Mode Key a second time and hold for six seconds. The display will indicate Test.
- Exit Test mode and return to Operating mode by turning the AirCycler off.
- Hold the Mode key for two seconds, then press Mode again to turn the AirCycler on.

As a safeguard, the AirCycler will automatically exit Test mode after ten minutes.

Why is controlled ventilation essential?

Many homeowners are reducing their home's energy cost by tightening their homes. If homes are not equipped for controlling and removing indoor pollutants, indoor air quality problems may result. Controlled ventilation helps maintain healthy indoor air quality for the occupants and the home itself.

Why The AirCycler?

The AirCycler assures steady ventilation, and does so economically by drawing and distributing outside air through the home. A "smart logic" system operates the fan only if it has been inactive for a set period of time. The AirCycler evens out temperature, humidity and air quality variations from room to room, and improves the air quality level throughout your home without the continuous operation of a central fan.

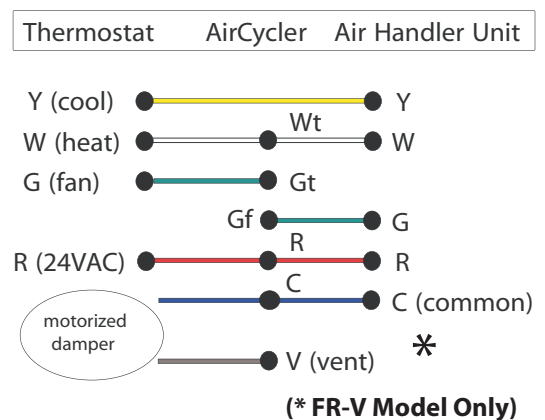
What is the energy cost to run the AirCycler?

For a typical 1,500 ft.² home, the energy cost for the AirCycler is between \$ 1 to \$ 5 monthly, depending on your climate and electric costs.

For More Information:

Energy Efficient Homes: www.energystar.gov
Indoor Air Quality: www.epa.gov

Wiring Diagram



For more information:
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