Units:
UN is to choose units of measure, Feirnhieght or Celsius display.

-X is a calibration factor for the room temperature reading. Adjust X for the most accurate temperature reading.

combo STAT only:
Mount digital temperature sensor with supplied heat resistant tie-wraps to hot water pipe inlet to air-handler.

Run supplied telephone type wire to AirCycler STAT in heated space.

Avoid running wire parallel to 110VAC lines.

Visit our website at www.AirCycler.com for more installation information.

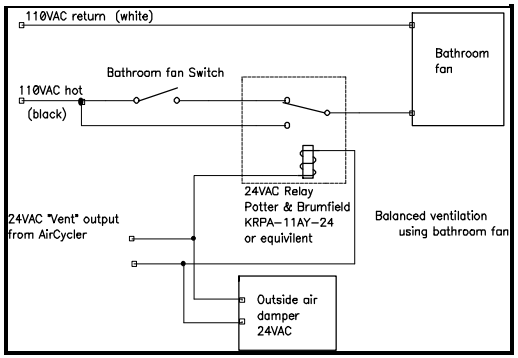
Operation:

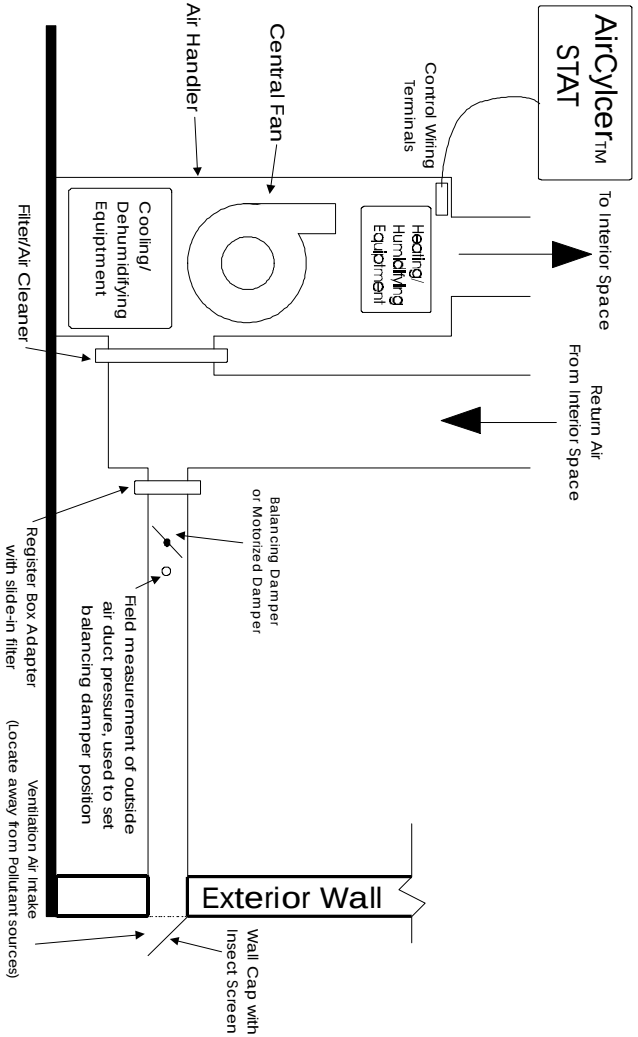
Temperature setting warmer

Change operating mode

Temperature setting cooler

Balanced ventilation using an additional fan





AirCyclers are covered by one or more patents and patents pending.

AirCycler is a registered trade mark of Lipidex Corporation.

www.AirCycler.com

Designed and manufactured in the USA by,

Lipidex Corporation

AirCycler™ *STAT*
& combo STAT
www.AirCycler.com

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

Improves indoor air quality
The AirCycler improves indoor air quality and comfort by operating a central fan during periods of thermostat inactivity. The AirCycler STAT operates the fan for a programmable duration if the fan has been inactive for a programmable period of time. In addition it will operate a motorized outside air damper to operate independently of the fan, limiting ventilation air flow and maximizing energy savings while assuring adequate fresh air intake.

Controls ventilation inexpensively
The AirCycler enhances the effectiveness of existing ventilation systems -- greatly improving ventilation air distribution effectiveness in systems without separate ventilation ducts. Because it uses the existing duct system, it is also inexpensive to install. In fact, the AirCycler costs less than an exhaust pickup or supply drop, and complements stand-alone supply, exhaust, heat recovery, energy recovery, and central-fan-integrated systems.

The AirCycler smoothes out temperature, humidity, and air quality variations from room to room, and improves the air comfort level throughout your home without the continuous operation of a central fan.

Assures steady ventilation
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 certain period of time. In the coldest climates, outside air can be balanced by a relay that simultaneously operates an exhaust fan. A motorized air damper can also be added to seal off the ventilation duct when the central fan is not on. The *Vent control* can also limit ventilation flow by closing the outside air damper if the fan has been on for a specified period of time.

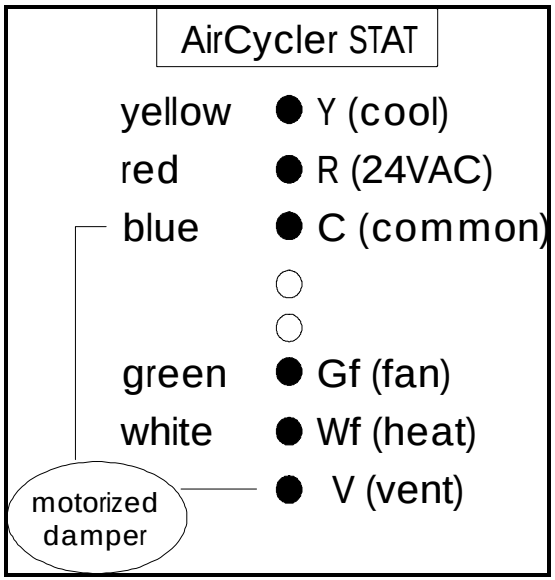
INSTALLING YOUR AirCycler STAT

The AirCycler STAT should be installed in a central location away from any direct airflow from air vents.
The AirCycler is wired like any conventional thermostat.

R = red, 24VAC power
C = blue, Common
Y= yellow, cooling
W = white, heating
G = green, fan

An additional control, V is a 24VAC output to power a normally closed, power open outside air damper.

Please note: Disconnect power to the central air handling unit before installing the *AirCycler*. Failure to do so **could cause personal injury** and harm electrical components.



wiring diagram

Setup

Three keys on the face of The AirCycler control the entire setup process -- the *Mode* key (the square box), the *Increase* key (the up arrow), and the *Decrease* key (the down arrow).

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

- The current mode will be displayed alternating with the current temperature reading.

HT = heating mode
CL = cooling mode
OF = off

- If the AirCycler activates the fan only for fan cycling, FAN will be displayed. VENT will be displayed when the outside air-damper is open.

Setup Menu
To enter the setup menu, hold down the up arrow while snapping the AirCycler into it's mounting plate. The microprocessor in the AirCycler is looking to see the up arrow held down when it first wakes up with power on.

Use the *Increase* or *Decrease* buttons to change settings.

Advance to the next setting with the mode button.

- FAN ON will flash on the display for fan on time. 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.
- FAN OFF is the time period of fan inactivity before it is turned on again.

Setting the delay

- To set the delay after the last heating, cooling, or fan operation, press the *Mode* key again. FAN OFF will flash on the display.
- As above, set the number of minutes between 1 and 199, or select "*un*" for unlimited operation.

VENT

- Press the *Mode* key. VENT ON will flash.
- 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 while the fan is on.

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.

For Comb STAT, skip to combo STAT pump settings.

HP is to enable heat pump functions. The increase or decrease buttons will toggle between on and off.

PC is to enable pump cycling for combination domestic hot water based systems. On will cycle the pump for 55 seconds if there has been no call for heating in 24 hours.

*Please skip to **UNITS** on the next page.*

Combo STAT pump settings:
PUMP ON
Set temperature above which pump will be allowed to run.
PUMP OFF
Set temperature below which pump will be inhibited.
PUMP OFF MINUTES
Set time pump will be inhibited.
Pump inhibit provides priority to household hot water demand.