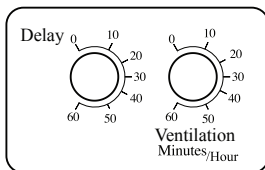


APPENDIX A: CONFIGURING VENTILATION TIME

In order to properly set the VENTILATION time on your SmartExhaust™, you will need to know the code required CFM (Cubic Feet Per Minute) for your home and the Fan CFM. Follow the simple equation below to calculate the VENTILATION minutes per hour.



Code Required Ventilation in CFM		=		Hour	
Fan CFM				Fraction	
Hour	×	60	=	Ventilation	
Fraction		Minutes		Settings in	
				minutes	

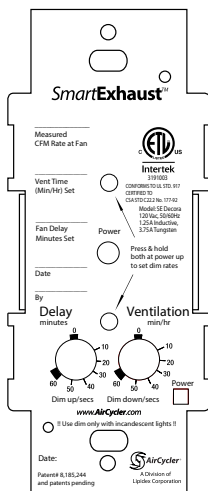
CFM = Cubic Feet Per Minute

APPENDIX B: ADJUSTABLE DIM UP/DIM DOWN RATES:

The dimmer function is designed for use only with permanently installed incandescent lighting fixtures. Do not use dim rates on fluorescent lighting, transformer supplied lighting/appliances, motorized appliances or receptacles. The incandescent lighting controlled by this dimmer function must not exceed 400 watts.

The time required to reach full brightness or completely off can be set from anywhere from 0-6 seconds. Use the DELAY dial to set the dim up rate and VENTILATION dial to set the dim down rate. For example, if you want full brightness to take 5 seconds and fully off to take 3 seconds, set DELAY to 5 and VENTILATION to 3. Pull the small power button on the lower right corner of the switch plate to the off position.

Use the setting tool molded into the rocker plate. Hold down both push buttons in the center of the switch and at the same time push in the power cut off button. In 5 seconds, the light will dim up to full brightness and then back down to off based on the settings you just entered. Lastly, return the DELAY and VENTILATION dials to the required DELAY and VENTILATION time.



TROUBLESHOOTING AND FREQUENTLY ASKED QUESTIONS

What if you're only in the bathroom for a few seconds?

The switch must be on for 10 full seconds before the microprocessor will start counting time and enable the DELAY function. If you turn the switch back off within 10 seconds, the fan shuts off and no time is counted.

What if you don't want the DELAY time to run after you use the bathroom?

To cancel DELAY time for simply double tap the bottom of the rocker when exiting the bathroom. The DELAY will cancel for that time. The fan will continue to run if it's running the VENTILATION time for that hour.

What if manual and DELAY time exceeds VENTILATION time?

The microprocessor will calculate the excess ventilation time and subtract it from the total VENTILATION time for the next hour.

If you're SmartExhaust™ is not operating correctly check:

Does the device have power?

Turn the VENTILATION dial to 60 minutes. The fan will come on within 20 seconds if the device is powered. You must hear the fan turn on to verify the microprocessor is running.

Is the device wired correctly?

The SmartExhaust™ will not operate correctly if it is not wired according to the wiring diagram. Be sure the switch it wired to the recommendations of the manufacturer.

FOR LIMITED WARRANTY INFORMATION VISIT:
WWW.AIRCYCLER.COM/PRODUCTS

This product is protected by the following patents and patents pending:
8185244 Canada 2562062

LIPIDEX CORPORATION
411 PLAIN STREET
MARSHFIELD, MA 02050
WWW.AIRCYCLER.COM
info@aircycler.com



**SmartExhaust™
Rocker**



INSTALLATION & USER'S MANUAL

VENTILATION MADE BREEZY!™
a breeze to install • a breeze to use

INTRODUCTION

The SmartExhaust™ is designed to replace bathroom fan and light switches and provide both functions with one easy operation. By using a microprocessor to monitor and control operation, the SmartExhaust™ delivers a precise amount of ventilation.

BENEFITS & FEATURES

- Earn LEED and ENERGY STAR points for enhanced exhaust ventilation*
- Make standard bath fans ASHRAE 62.2 compliant*
- Combines fan and light switches into one easy operation
- Microprocessor technology provides precise ventilation times
- Programmable DELAY and VENTILATION settings
- Excess manual and/or delay operation is subtracted from the next hour's programmed ventilation time
- Works with incandescent, CFL, fluorescent, LED bulbs**
- Adjustable dim up/dim down rates
- Night Light functions
- Double tap delay cancel

*When used with ASHRAE 62.2 compliant fans

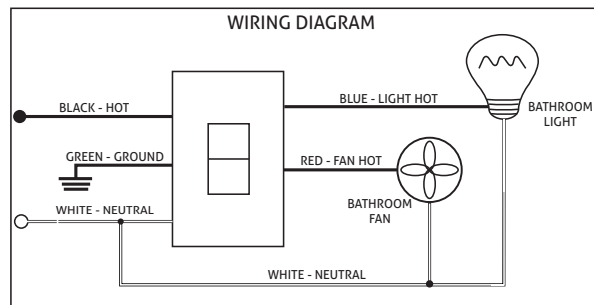
**Not compatible with all LED bulbs

LED BULB COMPATIBILITY

Dimmable LED bulb is recommended. Check bulb manufacturer to confirm bulb and switch type compatibility.

SAFETY CONSIDERATIONS

Read and follow manufacturer's instructions carefully. Follow all local electrical codes during installation. All



wiring must conform to local and national electrical codes. Improper wiring or installation may result in personal injury or product and property damage.

INSTALLATION INSTRUCTIONS

1. TURN POWER OFF at circuit breaker or fuse panel.
2. Remove cover plate and existing switch from wall box

if there is one already installed.

3. Connect the wires in the wall box using the supplied wire nuts. Wires must have $\frac{3}{4}$ inch of bare copper exposed. Twist wires together tightly with supplied wire nuts. Make sure no bare copper is exposed. Secure connections with electrical tape. If a light is not connected, be sure to attach a wire nut to unused blue wire and secure with electrical tape.
4. Mount SmartExhaust™ rocker switch in to wall box with supplied mounting screws.
5. Set desired DELAY time by turning dial to desired minutes.
6. Set desired VENTILATION time by turning dial to desired minutes per hour.
NOTE: To configure how much ventilation per hour is necessary, see Appendix A on the rear of this instruction sheet.
7. Record settings on face plate with an indelible marker and place rocker assembly onto face plate.
8. Turn on power at circuit breaker or fuse box.

Note: To fully comply with ASHRAE 62.2 - attach clear ASHRAE sticker to the face of the switch plate.

OPERATING INSTRUCTIONS

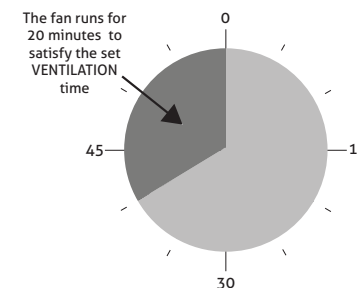
- Tap the top of the rocker switch to turn on the light and fan.
- Tap the bottom of the rocker switch to turn off the light. The fan will continue to run for the set DELAY time.
- To cancel the DELAY time, tap the bottom of the rocker switch again.
- DELAY will not activate if the light/fan has not been on for at least 10 seconds.
- The fan will automatically come on once per hour for the set VENTILATION time.
- Any manual and/or DELAY fan operation will be subtracted from the VENTILATION time for that hour.
- If manual fan operation and DELAY operation exceed set VENTILATION TIME, the excess time will be subtracted from the next hour's set VENTILATION TIME.

OPERATION

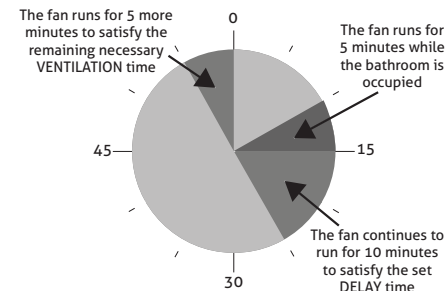
The SmartExhaust™ has a microprocessor in it that reads the two settings dials. If for example the VENTILATION dial is set to 20 minutes/hour, the microprocessor will subtract 20 minutes from 60 minutes and determines that the SmartExhaust™ needs to come on 40 minutes into the hour and run for the remaining 20 minutes of that hour.

If the DELAY dial is set to 10 minutes and the light/fan switch is manually turned on for 5 minutes, the microprocessor will keep track of the 5 minutes of use. When the switch is turned off after the 5 minutes, the microprocessor will continue to run the fan for the 10 minutes of DELAY setting adding up to a total of 15 minutes. The 15 minutes will be subtracted from the total required 20 minutes of VENTILATION time. 55 minutes into the hour, the fan will turn on and run for the 5 additional minutes needed to complete the required ventilation. See the diagram on the right for more details.

A Normal Hour of Operation with no occupancy



The Bathroom is occupied for 5 minutes



DOUBLE TAP DELAY CANCEL FUNCTION

If after leaving the bathroom you do not want the fan to continue to run for its set DELAY time, simply double tap the bottom of the rocker. The DELAY time will be canceled. The fan may continue to run if it's running the VENTILATION time for that hour.

Note: When changing light bulbs, pull the power switch up to disable power to light sockets.

NIGHT LIGHT FUNCTION (Incandescent lights only)

If you have set up a dim rate, you can choose a "night light" brightness level any time by tapping UP on the rocker switch again after initially turning it on, once it reaches your desired brightness level. This option is great at night when you don't want the light to reach full brightness. From then on, a quick double tap on the top of the rocker will turn the light on at a low brightness.

AUTO OFF FUNCTION

This default setting will turn the fan and light off if the light has been left on for more than 60 minutes.

To disable: Pull the power button out. Using the setting tool on the rocker frame, press the BOTTOM button while pushing the power button back down. The blue LED should come on. Hold the BOTTOM button for 5 seconds. The bathroom light will flash once to indicate this feature is now disabled.