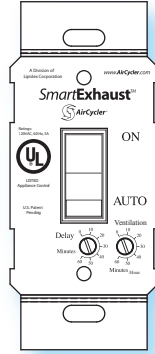
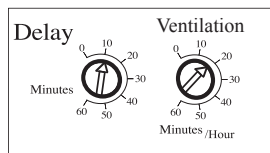


- 1) Do not connect this device to aluminum wire. Use with copper or copper clad wire only.
- 2) TURN POWER OFF at circuit breaker or fuse panel.
- 3) Remove cover plate and existing switch from wall box if there is one already installed.
- 4) Connect the wires in the wall box using the supplied wire nuts. Wires must have 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.
- 5) Mount SmartExhaust™ switch in to wall box with supplied mounting screws.
- 6) Set desired **DELAY** time by turning dial to desired minutes.
- 7) Set desired **VENTILATION** time by turning dial to desired minutes per hour.
- 8) Turn on power at circuit breaker or fuse box.

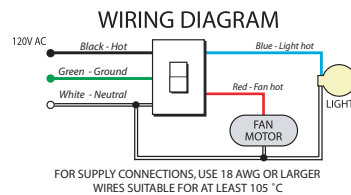


Operating instructions:

- Move toggle switch up to turn on fan and light.
- Move toggle switch down to turn off light. Fan will run for set **DELAY** time.
- To cancel **DELAY** time, move toggle up again for at least 1 second then down again.
- Fan will shut off, canceling set delay time.
- **DELAY** will not activate if light/fan has not been on for at least 10 seconds.
- Fan will automatically come on once per hour for set **VENTILATION** time.

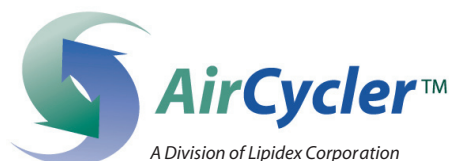


Example: 10 minute delay, 20 minutes per hour ventilation



Any manual fan operation and **DELAY** operation will be subtracted from **VENTILATION** time for that hour.
(See reverse side for details)

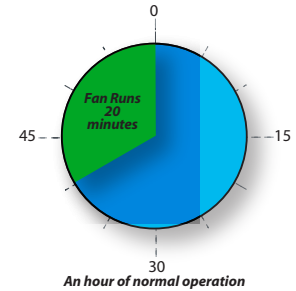
If manual fan operation and **DELAY** operation exceed set **VENTILATION** time, the excess time will be subtracted from the next hours **VENTILATION** time.
(See reverse side for details)



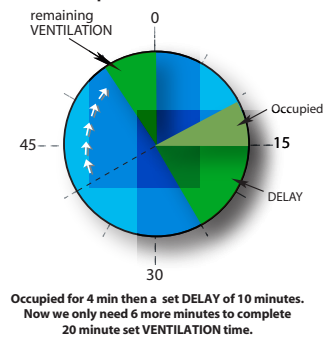
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Marshfield, MA 02050

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

Example:
VENTILATION set for 20 min/hr
DELAY set for 10 minutes



This hour, the bathroom is occupied for 4 minutes:



Now if the **DELAY** dial is set to 10 minutes and someone uses the bathroom for 4 minutes, the microprocessor will keep track of the 4 minutes of use. Then when the person leaves and turns the light switch off, the micro will keep the fan on for 10 more minutes of the **DELAY** setting. This will add up to 14 minutes of total fan run time for that hour. The micro will now subtract the 14 minutes of manual and delay time from the required 20 minutes of **VENTILATION** time and come up with 6 minutes needed to run at the end of the hour. So 54 minutes into the hour the fan will come on and run for 6 more minutes. Resulting in 20 minutes of total run time that hour.

What if manual and DELAY time exceeds VENTILATION time?

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

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

When the person leaves the bathroom and shuts off the light, if they turn it back on with in 3 seconds and then back off with in 3 more seconds, the micro will kill the **DELAY** time for that use.

What if you're only in the bathroom for 5 seconds?

You have to have the switch on for 10 full seconds before the micro will start counting time and enable the **DELAY** function. If you turn the switch back off with in 10 seconds, the fan shuts off and no time is counted.