

# ASHRAE 62.2 Accessories for TD Fans

## CVC - Continuous Ventilation Control



S&P's CVC allow a new or existing bath fan to run continuously on a low speed. In conjunction with an S&P TD fan a CVC will immediately improve the air quality in the home and reduce the damaging effects of moisture and mold.

The CVCs are designed to meet the requirements of ASHRAE 62.2 and the International Residential Code. In areas where ASHRAE 62.2 is not a requirement the CVC is still an economical choice to improve indoor air quality.

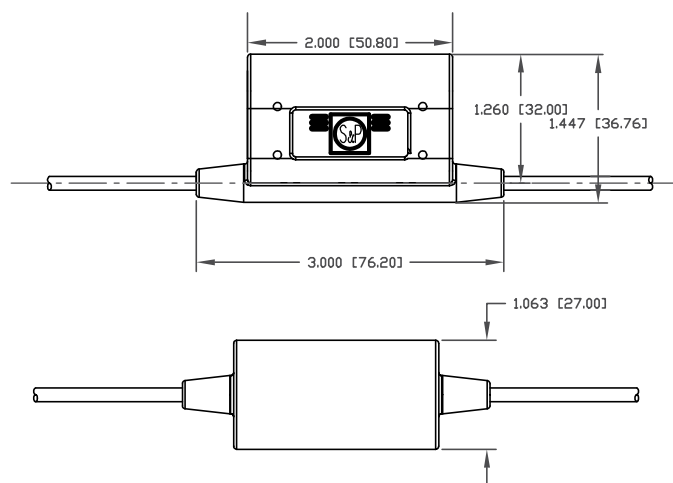
CVC Model	TD Fan Size	Application	Max. Flow	Continuous Flow @ .25"SP
<b>CVC-100</b>	100	Single Inlet	101 CFM	20 CFM
<b>CVC-100x</b>	100x	Single Inlet	135 CFM	20 CFM
<b>CVC-150</b>	150	Single Inlet	218 CFM	20 CFM
		Dual Inlet	293 CFM	40 CFM



## Features

- Reduces remodeling costs, helps meet ASHRAE 62.2 requirements
- Perfect for homes, apartments, dorms, hotels and elderly housing
- Economical and easy to install in your existing wall box
- Works with most fan controls, i.e. motion sensors, timers, speed controllers.
- Improves the indoor air quality in your home
- Undetectable, efficient and effective
- Operates with any standard switch
- No programming required
- 120V, 60 Hz, 3A Maximum

## Dimensions in Inches (mm)



## Easy Installation. . .

1



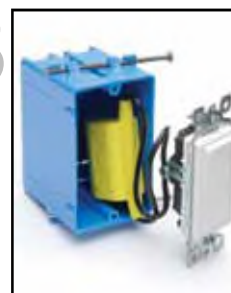
Attaches to any standard wall switch.

2



Simple 2 wire connection across the wall switch and fits into most standard wall/ junction boxes.

3



Completely installed in minutes!

# S&P Fans with Timer Control - ASHRAE 62.2



## FT622 - ASHRAE 62.2 Bath Fan Ventilation Control

The FT622 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 FT622 delivers a precise amount of ventilation, and is a simple solution to meet ASHRAE 62.2 in conjunction with an S&P fan, specifically a TD-MIXVENT or PC Premium Choice Fan.

There are only two settings on the FT622: VENTILATION and DELAY. The VENTILATION setting allows the user to set the number of minutes per hour the fan should run. The DELAY setting allows the user to set the number of minutes the fan should run after the bathroom light has been turned off. The DELAY setting provides additional run time for the fan to complete the remaining necessary ventilation after use.

## How to Set the FT622 Run Time Requirements to meet ASHRAE 62.2

- Using the CFM requirement chart for ASHRAE 62.2 below determine the necessary ventilation rate.
- Divide the required ventilation air by the tested air flow rate of the installed fan.
- For example, a three bedroom, 2500 square foot home requires 60 CFM of ventilation air.
- A TD-100x fan is rated to provide 90 CFM.  $60/90=.66$
- To determine the number of minutes the fan needs to run per hour multiply  $.66 \times 60 = 39.6$
- This means the FT622 needs to be set to run for 40 minutes per hour.
- Any manual fan operation and DELAY operation will be subtracted from the pre-set VENTILATION time for that hour. If manual fan operation and DELAY operation exceed pre-set VENTILATION time, the excess time will be subtracted from the next hour's total VENTILATION time.

## ASHRAE 62.2 Standard chart

Floor Area (ft <sup>2</sup> )	Bedrooms				
	0-1	2-3	4-5	6-7	>7
<1500	30	45	60	75	90
1501-3000	45	60	75	90	105
3001-4500	60	75	90	105	120
4501-6000	75	90	105	120	135
6001-7500	90	105	120	135	150
>7500	105	120	135	150	165

## S&P Fans with Timer Control - ASHRAE 62.2 Cont.



### FT247 - Programmable Fan Timer

S&P offers the FT247 with easy programming for your bathroom fan ventilation needs. Simply set what time you want the fan to turn on and off and what day or days you want the fan to run. S&P recommends using the FT247 with a TD-MIVENT Fan or PC Premium Choice Fan

- Provides 7 ON and 7 OFF events per day
- LCD display
- Rechargeable battery back-up
- Push button activation
- **Note:** Do not use with fluorescent lamp ballasts

### How to set the FT247 Run Time Requirements to meet ASHRAE 62.2

- Using the CFM requirement chart for ASHRAE 62.2 below determine the necessary ventilation rate.
- Divide the required ventilation air by the tested air flow rate of the installed fan to determine the amount of run time required in an hour.
- For example, a 3200 square foot 3 bedroom home requires 75 CFM of ventilation air and a TD-150 fan is rated to provide 150 CFM, so  $75/150 = .5$  hour
- Now multiple that number by 24 hours to determine how many hours a day the fan should run at full speed.
- $(.5 \text{ hour}) \times (24 \text{ hours}) = 12 \text{ Hours per day of operation.}$

You now know the fan needs to run 12 hours per day but it is up to the installer to decide when the fan is active. S&P suggests the fan run 6 hours in the morning and 6 hours in the evening, times when the bathroom is used most. So 4 am to 10 am and 5 pm to 11 pm would be a great way to exchange air during high activity times. The FT247 can set up to 7 on and off events per day, so there are multiple options for setting the fan to run.

### ASHRAE 62.2 Standard chart

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3001-4500	60	75	90	105	120
4501-6000	75	90	105	120	135
6001-7500	90	105	120	135	150
>7500	105	120	135	150	165