

FRESH AIR VENTILATION SYSTEM



DELIVER FRESH AIR TO YOUR HOME

The FAV (Fresh Air System™) from Field Controls is an intelligent, automatic, year-round ventilation system that integrates with an existing HVAC system and thermostat to meet ASHRAE 62.2 requirements. The FAV includes proven components for simple, reliable, fresh air delivery for improved indoor air quality. The FAVC (Fresh Air Ventilation Control) utilizes the central fan to supply outdoor air from a known source through a controlled duct for fresh air intake, while the FAD (Fresh Air Damper) prevents infiltration during off periods. When there is a call for fresh air intake, the control opens the damper allowing fresh air to enter the HVAC return.



FEATURES

- Fresh Air Ventilation Control utilizes the central fan to supply outdoor air from a known source through a controlled duct
- Fresh Air Ventilation Control can monitor up to four appliances
- Fresh Air Ventilation Control has a built-in temperature/humidity sensor
- Fresh Air Damper prevents infiltration during off periods
- Fresh Air Damper is a power open/close damper

BENEFITS

- Delivers fresh air automatically, year-round
- Creates uniform temperature and humidity throughout the home
- Enhances effectiveness of media air cleaners and UV air purifiers
- Helps reduce heating and cooling costs



Consistent with WHO, ASHRAE and CDC guidance for addressing Airborne Viruses - High Efficiency Filtration and UVC Air Treatment

CFM CONTINUOUS DIAL

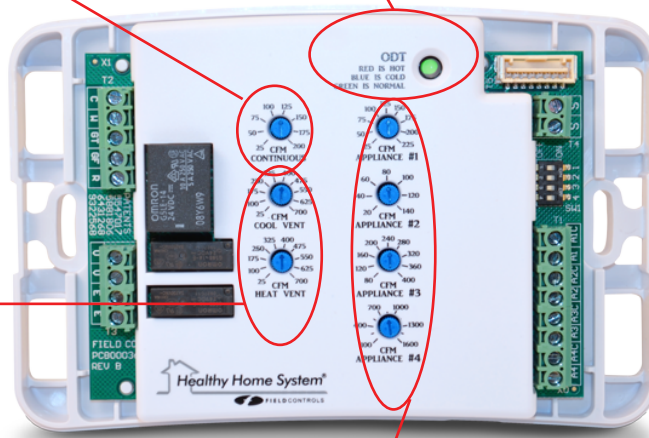
The CFM Continuous Dial controls the continuous ventilation rate based on size of the home and number of bedrooms and is preset at 100 CFM.

CFM COOL/HEAT VENT DIAL

3 color ODT light indicates whether outside air temperature meets ventilation requirements or if ventilation will be limited due to temperature or humidity levels.

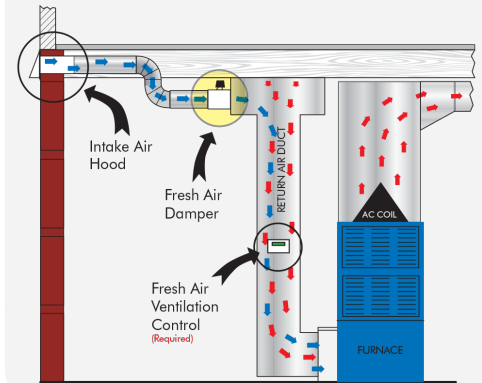
OUTDOOR TEMPERATURE LIGHT

3 color Outdoor Temperature light indicates whether outside air temperature meets ventilation requirements or if ventilation will be limited due to temperature or humidity levels.



HOW IT WORKS

The Fresh Air System (FAV) is a motor-driven damper activated by the Fresh Air Ventilation Control (FAVC). When there is a call for fresh air, the control opens the damper, allowing fresh air to enter the HVAC return. When the control is satisfied, the damper is closed.



OPTIONAL APPLIANCE MONITORING CONTROLS

Appliance Dial	Appliance Type	Appliance CFM	Standard Configurations	Optional Configuration
#1	Bathroom Fan, HRV/ERV Unit	25-255	Offers balanced ventilation by monitoring the appliance and takes credit for ventilation requirements when appliance #1 fan runs, preset at 75 CFM	Energy Saving Mode <ul style="list-style-type: none"> Can drive appliance # 1 fan in lieu of central fan Takes credit for ventilation with damper when heating and cooling Drive appliance # 1 fan when additional ventilation is required within the heating/cooling cycle Gets energy credit when the bathroom fan is used (non ECM central fan blower)
#2	Bathroom Fan	20-140	Monitors appliance # 2, preset at 75 CFM	
#3	Clothes Dryer, Standard Range Hood	80-400	Passive Make Up Air Mode opens when appliance # 3 is on, preset at 200 CFM	Active Make Up Air Mode <ul style="list-style-type: none"> Turns on central fan and opens damper when appliance # 3 runs
#4	Fireplace, Commercial Range Hood	100-160	Monitors appliance # 4, preset at 850 CFM	Active Make Up Air Mode <ul style="list-style-type: none"> Turns on central fan and opens damper when appliance # 4 runs

FRESH AIR DAMPER SPECIFICATIONS

Model	Product	Description	Voltage	Amps	Watts
FAV-4	FAVC and FAD	Motorized, stainless steel, power open/close in 15 sec. increments, fits 4" duct	24	0.07	3
FAV-5	FAVC and FAD	Motorized, stainless steel, power open/close in 15 sec. increments, fits 5" duct	24	0.07	3
FAV-6	FAVC and FAD	Motorized, stainless steel, power open/close in 15 sec. increments, fits 6" duct	24	0.07	3
FAV-7	FAVC and FAD	Motorized, stainless steel, power open/close in 15 sec. increments, fits 7" duct	24	0.07	3
FAV-8	FAVC and FAD	Motorized, stainless steel, power open/close in 15 sec. increments, fits 8" duct	24	0.07	3
FAV-10	FAVC and FAD	Motorized, stainless steel, power open/close in 15 sec. increments, fits 10" duct	24	0.07	3
FAV-12	FAVC and FAD	Motorized, stainless steel, power open/close in 15 sec. increments, fits 12" duct	24	0.07	3