

# Fresh Air Ventilation Kit Plus

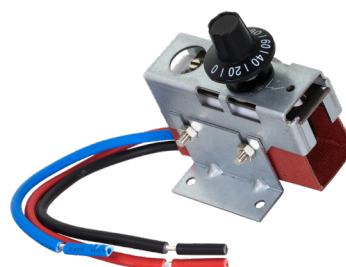
iO-FAV-o6-PLUS  
iO-FAV-o8-PLUS

The Fresh Air Ventilation system is designed to introduce fresh air into a home through an intake damper controlled by a micro-processor logic panel. The iO-FAV has single adjustment setup, exhaust fan control option, outdoor temperature and/or humidity limit option and damper override capabilities. It is easy to install and meets ASHRAE Standard 62.2. The iO-FAV kit comes with a control panel, 20VA transformer and 6" or 8" round damper. The control panel is available separately (iO-FAVPAN) and can be ordered with additional size dampers.

## Features and Benefits:

- Micro-controller logic panel
- Status LEDs
- Single adjustment setup
- "Damper Closed" override switch
- Meets ASHRAE Standard 62.2
- Exhaust fan control options
- Remote damper override options
- Outdoor temperature and humidity override option
- Optional On Demand CO<sub>2</sub> gas detection

**Warranty:** 5 years



Outdoor Thermostat  
iO-ODT



Humidistat  
H8908A SPST

## Specifications:

Mounting	Aluminum back plate with mounting holes
Panel Dimensions	8.00" Height x 6.00" Width x 1.50" Depth
Coverage	1,500 – 4,000 ft <sup>2</sup>
Adjustable Ventilation Schedule	1 – 60 minutes
Ventilation CFM Range	40 – 150 CFM
Power Requirement	24VAC
Damper Requirement	24VAC, 10VA, power open/spring close actuator



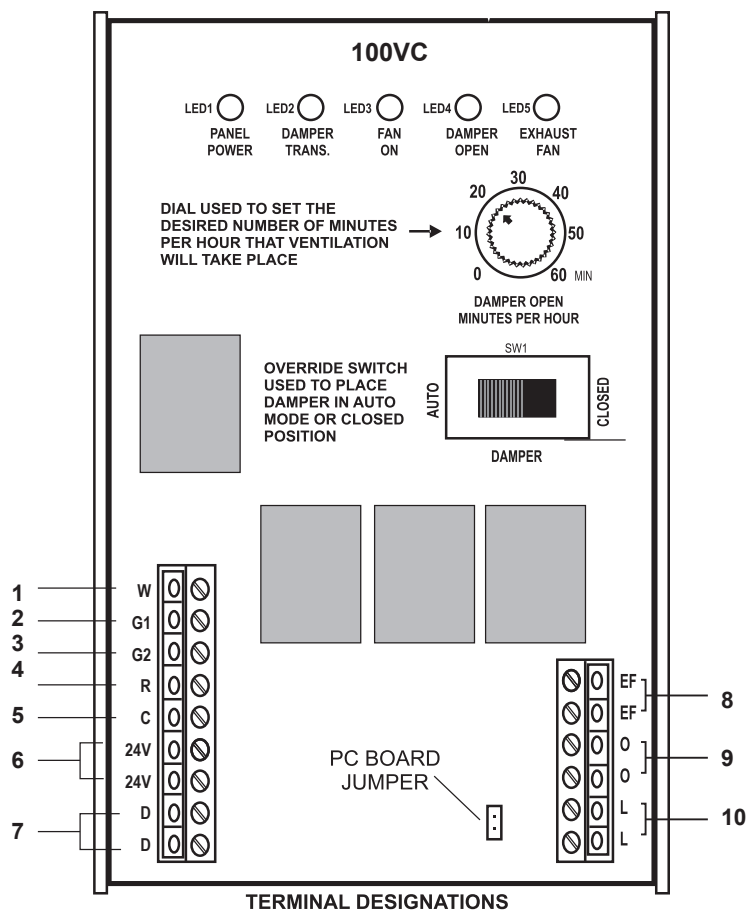
Sensors sold separately

Connecting the CO<sub>2</sub> sensor to the over-ride terminals on our Fresh Air Ventilation panel activates the On Demand Ventilation function to provide fresh air into areas or rooms with high concentrations of CO<sub>2</sub>. Contact iO HVAC Controls for engineering and installation instructions and schematics.

The ASENSE room and duct transmitters monitor the carbon dioxide (CO<sub>2</sub>) levels in industrial, school, and office type environments.

- Single beam non-dispersive infrared technology
- Relay energizes fresh air ventilation
- Combined output options of 0-5 VDC or 0-10 VDC and 0 to 20mA
- Measures the CO<sub>2</sub> concentration in the ambient air up to 2,000 ppm
- Limited 5 year manufacturer's warranty

## FAV DIAGRAM



- 1 - WIRES TO 'W' ON THE HVAC UNIT OR 'Y' ON HEAT PUMP
- 2 - WIRES TO 'G' (FAN) ON THE THERMOSTAT
- 3 - WIRES TO 'G' (FAN) ON THE HVAC UNIT
- 4 - WIRES TO 'R' (24V HOT) ON THE HVAC UNIT
- 5 - WIRES TO 'C' (24V COMMON) ON THE HVAC UNIT
- 6 - SEPARATE 24V TO POWER DAMPER
- 7 - 24V TO DAMPER (POWER OPEN / SPRING CLOSED)
- 8 - DRY CONTACT EXHAUST FAN OPTION (N.O.)
- 9 - REMOTE DAMPER OVERRIDE OPTION (N.O.)
- 10- OUTDOOR THERMOSTAT AND/OR HUMIDISTAT OVERRIDE OPTION (JUMPER MUST BE REMOVED)