FRESH AIR VENTILATION KIT PLUS

iO-FAV-06-PLUS iO-FAV-08-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 CO2 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^2
Adjustable Ventilation Schedule	1 – 60 minutes
Ventilation CFM Range	40 – 150 CFM
Power Requirement	24VAC
Damper Requirement	24VAC, 10VA, power open/spring close actuator

iO HVAC CONTROLS

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ON DEMAND CO_2 VENTILATION

ASENSE-R-REL ASENSE-D-REL

Connecting the CO2 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 CO2. Contact iO HVAC Controls for engineering and installation instructions and schematics.

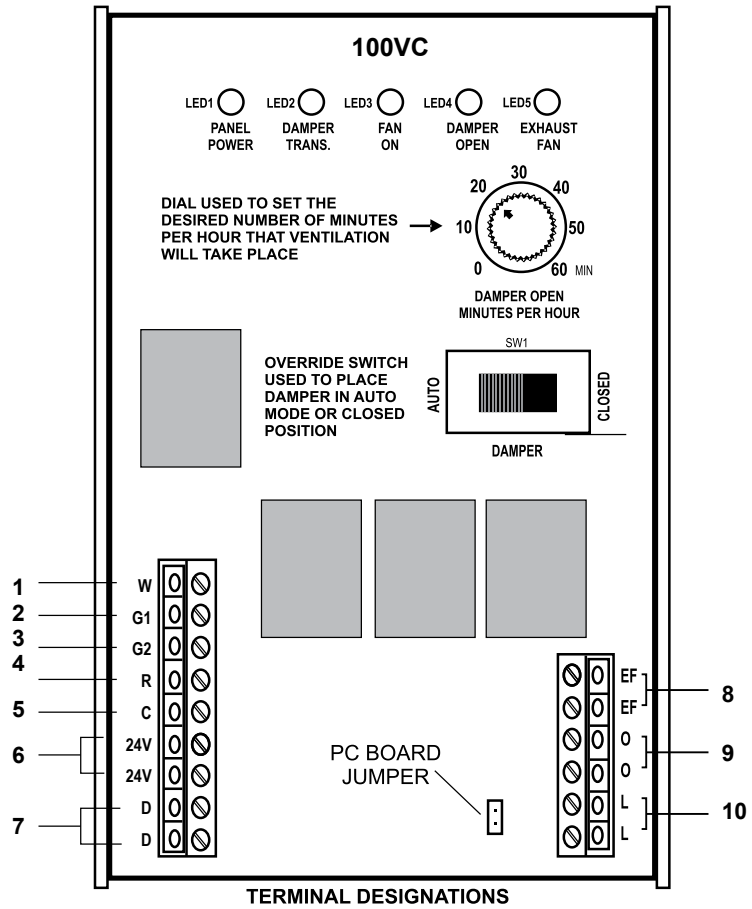
The ASENSE room and duct transmitters monitor the carbon dioxide (CO2) levels in industrial, school, and office type environments.

- 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_2 concentration in the ambient air up to 2,000 ppm
- Limited 5 year manufacturer's warranty



Sensors sold separately

FAV DIAGRAM



TERMINAL DESIGNATIONS

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)

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