INCLUDES IN KIT
- Fresh Air Ventilation Control
- Mounting Template
- Mounting Packet containing (2) Sheet Metal Screws
- ODT Sensor Packet containing temperature sensor, sheet metal screw and (2) wire nuts

OPTIONAL ACCESSORIES
- C-Sensor: Current sensor compatible with FAVC inputs, similar use as C-Sensor, adjustable setpoint, may be installed on positive or negative pressure ducts.
- P-Sensor: Duct-mounted differential pressure switch compatible with FAVC inputs, similar use as C-Sensor, adjustable setpoint, may be installed on positive or negative pressure ducts.
- Fresh Air Dampers (FAD) – Return air mounted fresh air dampers sizes 4” thru 20” compatible with FAVC ventilation terminals. All are 24 VAC actuator powered units.
- Heat/Energy Recovery Ventilators (HRV/ERV) - The HRV/ERV products are designed to provide a balanced ventilation approach to a space to meet ventilation requirements while saving energy costs on heating or cooling fresh air from the outside. The HRV/ERV controls are compatible with FAVC exhaust terminals.
- Inlet Hood – Inlet hoods with screens are available to fit fresh air inlet diameters of 4, 5 and 6 inches from Field Controls.

DESCRIPTION
The Fresh Air Ventilation Control™ (FAVC) which is part of the Field Controls Healthy Home System™ product line, interacts with your residential HVAC system and is designed to provide fresh air ventilation all year long keeping energy conservation, indoor air quality and comfort in mind. The FAVC system meets the requirements of ASHRAE 62.2 standard for ventilation. The controller has several modes of operation:

- Standard Mode: Designed to work in conjunction with your HVAC system, the FAVC will continuously monitor indoor and outdoor conditions and adjust fresh air ventilation accordingly.
- Smart Controller: Adjusts ventilation time based on outside temperature and can be used in conjunction with a smart thermostat.
- Normal or Economy Mode of Operation: Normal, Hot, Cold or Disabled
- Multiple Climate Application Mode: Normal, Hot, Cold or Disabled
- Adjusts ventilation need based on 30-minute time periods
- Smart Controller (adjusts ventilation time based on outside temperature)
- Inhibits fresh air ventilation based on outside temperature
- Monitors four (4) exhaust fan appliances
- Controls three (3) appliances (including ventilation damper)
- Monitors four (4) exhaust fan appliances
- Adjustable air flow dial settings for each exhaust fan appliance
- Individual Heat and Cool air flow settings for HVAC central fan
- Conventional Heat/Cool HVAC Systems
- Heat Pump Systems
- Hydronic Air Handlers
- Stand-alone Configuration

FEATURES
- Normal or Economy Mode of Operation
- Multiple Climate Application Mode: Normal, Hot, Cold or Disabled
- Simple Fresh Air Ventilation using Fresh Air Damper or HRV/ERV Devices
- Monitoring Capability (up to 4 appliances – multiple bath fans, exhaust fans, clothes dryer, range hood, draft assisted gas log fireplaces, and/or exhaust fan devices)
- Monitoring and Control Capability
- Built-in Selectable Enthalpy Control
- Temperature sensor located in R/A ductwork
- Compatible with any HVAC system having accessible 24VAC R W Y G terminals:
  - Conventional Heat/Cool HVAC Systems
  - Heat Pump Systems
  - Hydronic Air Handlers
  - Stand-alone Configuration

BENEFITS
- Smart Controller (adjusts ventilation time based on central fan and/or appliances in operation)
- Low power usage
- Simple Installation
- Complies with ASHRAE 62.2 2016
- Adjusts ventilation need based on 30-minute time periods
- Versatility (controls, monitors and CFM adjustable for appliances)
- Controls three (3) appliances (including ventilation damper)
- Monitors four (4) exhaust fan appliances
- Adjustable air flow dial settings for each exhaust fan appliance
- Individual Heat and Cool air flow settings for HVAC central fan
- Ashrae 62.2 Continuous CFM dial setting
- Factory Pre-set settings
- New or existing single/multi-family operation
- Inhibits fresh air ventilation based on outside temperature levels and indoor relative humidity setting

DIMENSIONAL DATA

Field Controls LLC reserves the right to modify a product, without prior notice, whether in design, color or specifications, in order to offer at all times a quality product that is highly competitive. Please consult your national and local building codes to find out whether the installation of electrical products requires the services of a certified technician or electrician. Field Controls and Healthy Home System™ are registered Trademarks used under license by Field Controls LLC. All rights reserved.
### PRODUCT SPECIFICATIONS: Power Requirements (Class 2 Appliance)

<table>
<thead>
<tr>
<th></th>
<th>Power</th>
<th>Outputs</th>
<th>Isolated Inputs (Monitoring)</th>
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<tbody>
<tr>
<td>Input Voltage</td>
<td>20-30 VAC</td>
<td>Fan Output GF (Maximum Load Current): 3A inductive @24VAC</td>
<td>Appliance #1 [A1, A1C] 5mA @24VAC, TVS protected</td>
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<tr>
<td>Minimum VA Required</td>
<td>1.7 VA @ 24 VAC</td>
<td>Exhaust (E,E) (Maximum Load Current): 3A inductive @24VAC</td>
<td>Appliance #2 [A2, A2C] 5mA @24VAC, TVS protected</td>
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<tr>
<td>Wiring Requirements</td>
<td>18/22 AWG, 24 VAC (Min)</td>
<td>Fan Input GT (Monitor Circuit Current): 5mA @24VAC</td>
<td>Appliance #3 [A3, A3C] 5mA @24VAC, TVS protected</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>10°F to 160°F</td>
<td>Heat Input W (Monitor Circuit Current): 5mA @24VAC</td>
<td>Appliance #4 [A4, A4C] 5mA @24VAC, TVS protected</td>
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<tr>
<td>Operating Humidity Range</td>
<td>5 to 95% RH (non-condensing)</td>
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### Power Requirements (Class 2 Appliance)
- **Input Voltage:** 20-30 VAC
- **Minimum VA Required:** 1.7 VA @ 24 VAC
- **Wiring Requirements:** 18/22 AWG, 24 VAC (Min)
- **Operating Temperature Range:** 10°F to 160°F
- **Operating Humidity Range:** 5 to 95% RH (non-condensing)

### Outputs
- **Fan Output GF (Maximum Load Current):** 3A inductive @24VAC
- **Exhaust (E,E) (Maximum Load Current):** 3A inductive @24VAC
- **Fan Input GT (Monitor Circuit Current):** 5mA @24VAC
- **Heat Input W (Monitor Circuit Current):** 5mA @24VAC

### Isolated Inputs (Monitoring)
- **Appliance #1 [A1, A1C]:** 5mA @24VAC, TVS protected
- **Appliance #2 [A2, A2C]:** 5mA @24VAC, TVS protected
- **Appliance #3 [A3, A3C]:** 5mA @24VAC, TVS protected
- **Appliance #4 [A4, A4C]:** 5mA @24VAC, TVS protected

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### PROJECT INFORMATION

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