

# FAVC (Fresh Air Ventilation Control)



“ The FAVC intelligently manages the central fan to meet ASRAE 62.2 requirements while conserving energy costs. Plus, it has the ability to monitor other appliances. ”

## WHY DO YOU NEED A FRESH AIR VENTILATION CONTROL?

Homes today are more energy efficient and built with better insulation. As a result, homes trap stale, unhealthy air inside. The ASHRAE 62.2 fresh air ventilation standard was established to define what is the number of adequate air changes to improve indoor air quality.

## WHY A Field Controls FAVC (Fresh Air Ventilation Control)?

The Field Controls FAVC (Fresh Air Ventilation Control) manages fresh outdoor air intake and stale indoor air exhaust to provide whole-dwelling ventilation to satisfy ASHRAE 62.2 2010, 2015 and 2016 standards. The FAVC delivers a comfort advantage—efficient fresh air ventilation all year long.

Controls based on timers are inefficient and waste energy since they run on a pre-set time and not actual air flow. Exhaust-only fans like those in bathrooms and kitchens can remove stale indoor air but can create negative pressure within the home which means unhealthy air from the basement or garage maybe introduced. The FAVC is different. It powers the central fan for shorter more frequently airflow cycles every 30 minutes. The FAVC comes pre-set from the factory and is easily adjusted to the square footage and number of bedrooms of the dwelling.

The FAVC also continuously monitors indoor air quality by monitoring return air home temperature and relative humidity comfort levels along with actual outside temperature. This conserves energy since the FAVC runs the fan only when needed, unlike controls based on timers. The FAVC controls the amount of fresh air ventilation to regulate humidity in the winter months and to prevent humid conditions in summer months. In addition to inhibiting mold, the FAVC will limit condensation and corrosion build up on the heat exchanger. Plus, the climate mode feature allows the FAVC to be customized for warm or cold climates, or economy mode.

The FAVC also offers the option of monitoring and/or controlling up to four appliances to evenly balance fresh air ventilation. Appliances including dampers, an ERV/HRV, HVAC central blower, clothes dryer, kitchen exhaust fan and various exhaust fans.

### BENEFITS:

- Complies with ASHRAE 62.2 2010, 2015 and 2016
- New or existing single/multi-family operation
- Low power usage
- Simple Installation
- Smart Controller (adjusts ventilation time based on central fan and/or home appliances in operation)
- 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 individual exhaust fan appliances
  - Individual Heat and Cool air flow settings for HVAC central fan
  - ASHRAE 62.2 Continuous CFM dial setting
- Inhibits fresh air ventilation based on outside temperature levels and indoor relative humidity setting

# WHY A Field Controls FAVC? CONTINUED

## FEATURES:

- Factory Pre-set settings
- Normal or Economy Mode of Operation
- Multiple Climate Application Mode: Normal, Hot, Cold or Disabled
- Adjusts ventilation need based on 30-minute time periods
- 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

## RESOURCE MATERIAL: FAVC

**WEBSITE:** [www.fieldcontrols.com](http://www.fieldcontrols.com)

Videos, brochures, and manuals can be viewed, downloaded, and printed from fieldcontrols.com. Brochures and manuals can also be searched for on fieldcontrols.com. To order brochures call or email Customer Service (252-522-3031 or [sales@fieldcontrols.com](mailto:sales@fieldcontrols.com)). Use the Form number when ordering.

### SUBMITTAL SHEET:



**FAVC SUBMITTAL SHEET**

### INSTALLATION MANUAL:



**FAVC INSTALLATION MANUAL**

### Videos



**REP PORTAL:** [www.fieldcontrols.com/rep-portal](http://www.fieldcontrols.com/rep-portal) (Rep Portal link is located in footer of website). Pitch cards, price sheets, current promotions, and more can be viewed and downloaded from the Rep Portal. Use your MITS username and password to log onto the Rep Portal. MITS Username: \_\_\_\_\_ MITS Password: \_\_\_\_\_

### PRESENTATIONS:

**PRICE SHEETS:** Log on to the rep portal for current pricing