

FCMC Fresh Command Multifamily Control



The Field Controls **Fresh Command Multifamily Control (FCMC)** is meticulously crafted to ensure a continuous supply of fresh air throughout the year, prioritizing energy efficiency, optimal indoor air quality, and occupant well-being. By incorporating FCMC into your ventilation system, you not only save significantly on energy costs but also minimize maintenance interventions, enhancing overall system reliability.

Compliant with multifamily ventilation standards and up-to-date building energy codes, the FCMC simplifies operation with a single dial, allowing seamless adjustment between intermittent and constant ventilation modes. Its straightforward installation and configuration process ensure hassle-free integration into your existing setup, guaranteeing consistent and dependable performance across all seasons.

Features

- Complies to ASHRAE 62.2 2010; 2013; 2019(+)
- Auto-senses 8 key factors to balance temperature & humidity
- Built-in temperature & humidity sensor with no additional wiring needed
- Quick-Start Test feature for an immediate test cycle
- Fast Click® lock cover deters tenant or renter interference
- Seeks to ventilate with heating or cooling call for optimal comfort and efficiency
- One dial to adjust intermittent ventilation
- On/off switch with easy access that does not require cover removal

How It Works

The FCMC operates on a 30-minute cycle period with dynamic dwell time to allow for synchronizing with the equipment when heating or cooling becomes active (W and Y terminals).

- Active equipment: The FCMC initiates a ventilation call once the period counter has completed
- Not active equipment: The FCMC holds starting the next call using a dynamic off-timer function based on the control set point

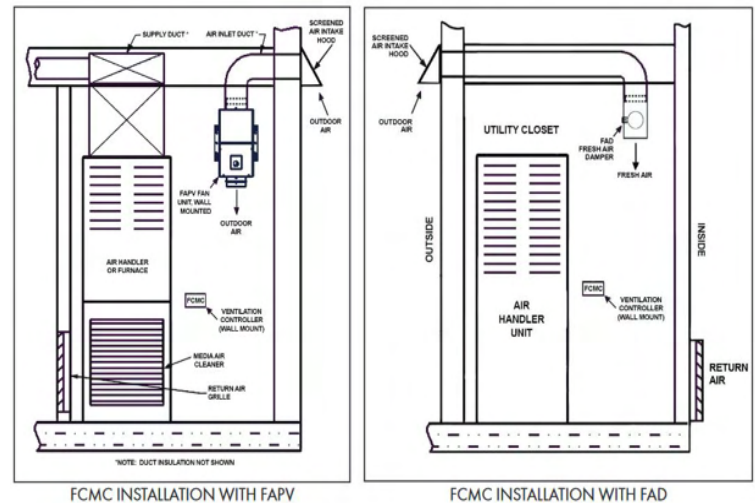


Dwell time = 30 minutes - Control Run Time (100%, 75%, 50%, 25%)

The wait period following the Dwell time is the full control set point time + 15 minutes. If the heating or cooling signal becomes active any time after the initial Dwell time has lapsed, there will not be an extended wait for the equipment to turn on or before another ventilation cycle begins.

Installation Options

The FCMC is designed to install directly to the wall in the mechanical utility closet. The FCMC will perform best if the control is mounted where both outside air and return air can blend. Improperly mounting the FCMC away from the return or too close to the fresh air discharge may result in reduction of fresh air ventilation.



FRESH COMMAND MULTIFAMILY CONTROL SPECIFICATIONS

Model	Voltage	Full Load Power	Idle Power	Wiring Requirement	Operating Temperature Range	Operating Humidity Range
FCMC	16 - 32 VAC	1.28W	27 0mW @ 27.4 VAC	18.22 AWG, 24 VAC (Min)	10°F to 160°F	5 to 95% RH (non-condensing)