

## Introducing the All NEW NCM-3z



(with cover)



(without cover)

The most Reliable and most Advanced 2 and 3 zone zoning panel available for residential and light commercial applications. The large LCD display allows for easy programming and real-time system feedback. The LED viewing window provides immediate visual indication of the HVAC system status and damper functions. The small footprint and the advanced features make the NEW NCM-3z the most powerful tool for residential zoning applications.

- 2 or 3 zone compatible
- LCD displays system status
- Built-in Fresh Air feature
- Easy 4 button LCD programming
- Adjustable Purge Delay
- Supply Air Limit Delay
- Single Stage, Two Stage Heat and Heat Pump compatible
- A2L refrigerant Safety Interlock
- 24v output terminal to power additional accessories
- Data output terminal to eliminate use of a By-pass
- Short Cycling Protection
- Hydro-Air compatible

*Excellence Without Compromise*

# EWC<sup>®</sup>

CONTROLS INC.

**Proudly Manufacturing in the USA**



The NEW NCM-3z zone control panel has been designed and introduced after many years of feedback from dealers and contractors from around the country. The expanded features, smaller footprint design and LCD viewable window have all been enhanced and improved through customer input and experience.

The NCM-3z works with single stage and heat pump systems. Multiple configurations of Single Stage systems, 2 heat / 1 cool systems and 2 heat / 1 cool Heat pump systems are all compatible. The NEW panel makes it easy to wire typical 24V heat/cool single stage thermostats and 2 heat / 1 cool Heat pump thermostats with the NCM-3z, as well as any Smart Wifi thermostats.

The four-button menu control is provided for easy set up while scrolling through the LCD Display screen. Left and Right maneuvering will scroll through multiple menu options one at-a-time, if desired, Up and Down maneuvering will allow changing the setting of the menu feature options. The LCD display will provide real-time “system status” feedback, such as Supply Air Temperature, System Mode of Operation, Fresh Air Cycles remaining and Status of the on-board safety interlock features.

Fresh Air option allows the NCM-3z to operate as a 2-zone system with the (3<sup>rd</sup>) third zone acting as a Fresh Air intake. An outside air damper and intake will be required to allow fresh air to enter the home. The NCM-3z will calculate the amount of fresh air allowed based on “Minutes of Fresh Air per Hour” along with the Square Footage of the home, the

number of occupants in the home and the size of the intake duct installed. The NCM-3z will try and satisfy the fresh air demand during a heating and cooling call within the hour but will run the fresh air independently at the end of the hour if needed to satisfy the fresh air requirement.

The NCM-3z Safety Circuit allows the installer to connect safety devices directly to the zone panel. This feature was designed with the new A2L refrigerants in mind, though this feature also works with wet switches, condensate pumps, smoke detectors, and fire alarms. If the safety device contacts open, the NCM-3z will shut down the heating or cooling demand and either turn the Indoor Fan “On” and open all dampers or turn the Indoor Fan “Off” and close all dampers. This feature is installer selectable depending on what desired outcome is required.

The “Data” output terminal on the NCM-3z is provided for those zoning applications where a By-pass damper has no room to be installed. When the “data” terminal is wired to the EWC Controls DAPC control it will modulate the connected zone dampers to balance the static pressure of the HVAC system. This will simulate the function of a traditional by-pass damper without the need to cycle conditioned air back to the return.

The New NCM-3z has all the benefits and features that you are currently enjoying in our NCM-300 today. We have expanded the features to include more options for today’s zoning installations. We know that you will enjoy the innovative redesign and added features that will make your next zoning installation easy and reliable.