

ULTRA-ZONE[®]

Zone Control System

UZC-4

- Computer Watchdog Circuit
- Auto-Changeover and fan control from any zone
- Compatible with most off-the-shelf 1 or 2 stage heat/cool or heat pump thermostats - Also all mechanical, digital/electronic dual mode, and Internet compatible thermostats that operate on 24vac
- Controls up to 20 zones
- LED display for complete diagnostic system readout
- Reset circuit breaker with a ground fault indicator protects all connected modules and thermostat circuitry
- Adjustable heating and cooling limits to protect equipment
- Damper motor power isolation
- One-zone setback capability



Patent Pending



Excellence Without Compromise[®]
EVC
CONTROLS INC.

EVC Controls HVAC established in 1988.

Proudly Manufacturing in the USA for over 56 Years

UZC-4

Zone Control System

Compatible With All HVAC Systems Up to 4 Stages of Heat and 2 Stages of Cool.

The Ultra-Zone Model UZC is a 4 zone control panel that features auto changeover between heating and cooling modes.

The UZC will control Single Stage 2, 3, & 4 Stage conventional, geothermal or Dual Fuel heat pumps, without the need for dual fuel kits. Also single or multi-stage gas, oil, & hydronic HVAC systems with single or two stage cooling and constant or variable speed fan systems.

The UZC allows for the use of any type of thermostat on any zone with any type of HVAC equipment. This is done with a staging timer built into the UZC. A field adjustable timer between 7 – 42 minutes will energize the staging up if zones are not satisfying based upon the timer setting.

There are (2) two energy saving features that the UZC incorporates that can save homeowners more than 40% on utility bills. The first is our 50% rule. This feature will not allow staging up to occur if less than 50% of the zones are in demand. The second is using our OAS sensor with the UZC to sense the outside air temperature, which will also limit the staging up process if the temperature is too mild.

The UZC also feature (2) two safety controls built into the panel. 'Fire Alarm Interlock and Demand-Based Ventilation.' The contractor can wire an external Fire Alarm to the panel. If triggered, the panel will shut down and close all dampers. With the Demand-Based Ventilation function, contractors can wire a separate CO2 monitor that will open a fresh-air damper to bring in outside air with the help of the HVAC system fan.

Other Industry setting features include:

- Electronic Bypass Damper Interface
Achieves "Latent Cooling "and "Quiet Mode" start up
- Adjustable Supply Air Sensor
Prevents over heating or cooling
- Adjustable Heat Differential Potentiometer
Allows the SAS to be mounted in any location
- One Zone Feature
Allows one thermostat to control multiple zones for set back
- Computer Watchdog Circuitry
Prevents lock-ups from power failures and power interruptions.
- Manual and Automatic Thermal Circuit Breakers
Protects the UZC from wiring shorts
- Dehumidify Interface
Auxiliary contacts to help increase comfort operations
- Return Air Monitoring
Enhanced HVAC energy savings

Engineering assistance only a phone call away



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