

ULTRA-ZONE™

Forced Air Zone Controls

SUBMITTAL SHEET

Model NCM-3z Zone Controller

SPECIFICATIONS:

Zone Capacity: 2 or 3 air zones can be created and controlled.

Input Voltage: *Dedicated 24vac 50/60 Hz Transformer. 40 - 75va (UL Listed NEC Class 2). DO NOT use 24vac from the HVAC system, to power the NCM-3z zone controller.*

Power Draw / Current: 6.0va / 125mA (0.125A) without accessories.

Over-Current (auto-reset) Protection: One 750mA polyfuse protects each Thermostat & Damper circuit. One 300mA polyfuse protects the NCM's logic circuitry. One 100mA polyfuse protects the Data output circuit.

Wiring: 18awg multi-conductor solid copper wire. Shielded cable is unnecessary. Use plenum rated cable when code/conditions require.

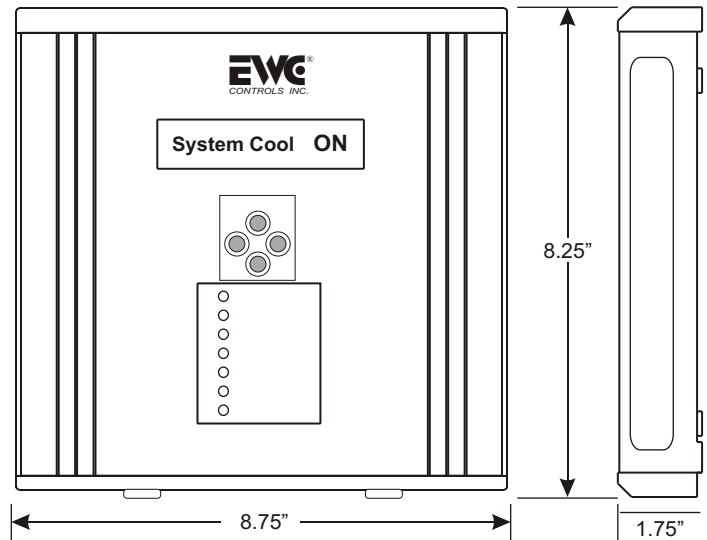
Printed Circuit Board:

Ambient Temperature: 0° to 160°F (-17° to 71°C).

Flame Rating: 94V-O, **Humidity:** 0% - 95% Rh Non-Condensing

Housing Specifications:

High Strength Impact Polystyrene. HB flame rating. UV resistant.



NOMINAL DIMENSIONS
9" X 9" X 2"

FEATURES

ZONE CAPACITY: 2 or 3 Zones. Non-expandable. Zone 3 can be used as a Fresh Air damper control with only 2 zones.

COMPATIBLE HVAC EQUIPMENT:

Gas / Electric / Hydronic – 1 or 2 Stage Gas, LP, Oil Furnace with 1 Stage Air Conditioner.

Heat Pump Conventional – Single Stage Heat Pump with Electric Resistance Auxiliary Heat.

COMPATIBLE THERMOSTATS: Non-communicating single stage Heat/Cool Thermostats or 2 Stage Heat, 1 Stage cool Heat Pump Thermostats. WiFi thermostats are compatible as well as 24v Home automation type, assuming a sufficient number of wires/conductors are available.

COMPATIBLE ZONE DAMPERS: EWC Models URD, ND and SID. 24vac 3 wire Power Open & Power Close type.

ADDITIONAL FEATURES:

- * 16 character, menu driven liquid crystal display, with push button programming.
- * Real time HVAC system status, Zone damper status and Supply air temperature display.
- * Optional Fresh Air Damper control via Zone 3 (*when only two zones are utilized*).
- * Staging delay via Adjustable W2 Timer (*Off, 5, 15, 30, 45 or 60 minute delay*).
- * Enhanced Hydronic (Hot Water) coil features. (*Separate Aqua-Stat not required*).
- * Supply Air Temperature Monitoring to help protect HVAC equipment.
- * Adjustable Purge time (60 to 180 seconds).
- * Seven "on-board" LEDs provide visual HVAC System and Zone Damper status.
- * Rugged "Phoenix" terminal blocks with screw head test point. Screw torque rating: 3.5 inch lb (0.4nM)

ACCESSORIES:

Model SAS - Supply Air Sensor (*Included, except on NCM-3zL*).

Model SBD2 - Smart Bypass Damper (*Recommended*) or,

Model DAPC - Distributed Air Static Pressure Controller (*Highly Recommended*).

Model CPLS - Coil Protection Lockout Switch (*Highly Recommended*).

Mounting Hardware included.



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SUBMITTAL FORM

SUBMITTED BY: _____

JOB: _____

ARCHITECT: _____

ENGINEER: _____

CONTRACTOR: _____

LOCATION: _____