

ULTRA-ZONE™

Forced Air Zone Controls

SUBMITTAL SHEET

Model DAPC

Distributed Air Pressure Controller

SPECIFICATIONS:

ZONE CAPACITY: 1, 2 or 3 air zones can be modulated.

INPUT VOLTAGE: Dedicated 24vac 50/60 Hz Transformer. 40-75va (UL Listed NEC Class 2). **The DAPC must share 24vac from the New or Existing Zone Control. DO NOT steal 24vac from the HVAC system, to power a zone control and/or the DAPC.**

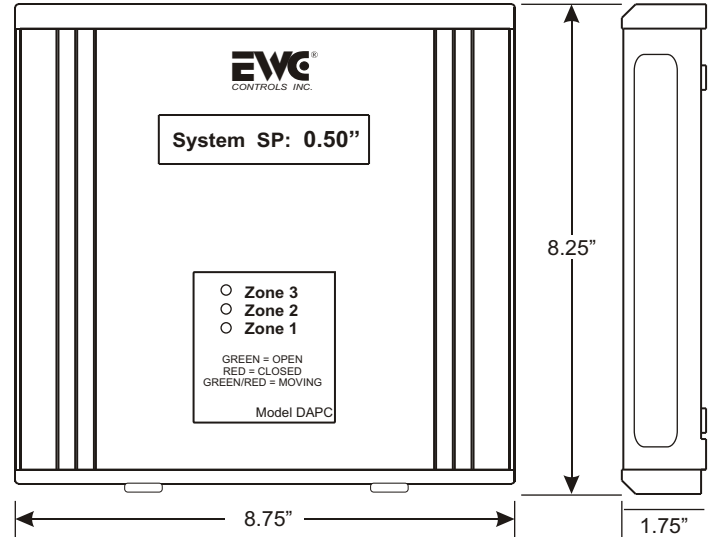
POWER DRAW / CURRENT: 3.5va / 145mA (0.145A) without dampers (load) connected.

OVER-CURRENT (auto-reset) PROTECTION: 500mA polyfuse protects each damper output circuit. 200mA polyfuse protects the DAPC logic circuit.

WIRING: 18awg multi-conductor solid or stranded copper wire. Shielded cable is unnecessary.

TEMPERATURE: 0° to 160°F (-17° to 71°C).
HUMIDITY: 0% - 95% Rh Non-Condensing

CALIBRATION: Field calibration is not required.



NOMINAL DIMENSIONS
9" X 9" X 2"

FEATURES:

FUNCTION: The DAPC will modulate (float) inactive zone dampers toward the open position, in order to maintain the desired static pressure set-point of the HVAC system. The desired set-point can be the product's default (0.5"wc) or menu selected (0.15"wc - 1.50"wc) or enable "commission" mode and the DAPC will discover and adopt the system's true static pressure as the desired set-point.

NUMBER OF ZONES: Modulate 1 or 2 Zones on a Two Zone system. Modulate 1, 2 or all 3 Zones on a Three Zone system. Modulate 3 Zones on a Five Zone system.

COMPATIBLE HVAC EQUIPMENT: Compatible with Daikin® unitary "FIT" and Amana® "S" Inverter (communicating) HVAC systems. Also compatible with major OEM (non-communicating) 24vac (single or multi-stage) Split Systems and Package Units.

COMPATIBLE ZONE CONTROLLERS: Ultra-Zone models UT3000, UZC4, BMPlus3000 & NCM300.

COMPATIBLE DAMPERS: EWC® Models URD, ND, and SID Dampers equipped with MA-ND5 (35second travel time) or MA-15S (15second travel time) motor actuators. *Multiple URD, ND or SID dampers (same travel time) wired in parallel to a single zone, are compatible.*

ADDITIONAL FEATURES:

- * Commission mode tests all connected dampers and discovers the true static pressure of your HVAC system.
- * LCD screen for Menu Programming, Observing Zone Damper position and Static Pressure of the HVAC system.
- * On Board LED's indicate zone damper position/status. Open, Closed or Floating.
- * Data (EWCNET) output for the Next Generation of Ultra-Zone controllers, making the DAPC forward and backward compatible.

ACCESSORIES:

- Two (2) duct mount pitot tubes, 1/4"OD.
- One (1) 16ft length pressure hose (clear), 1/4"ID x 3/8"OD.
- Two (2) barb connectors (pre-mounted) onto the DAPC, 1/4"OD.
- One (1) Technical Bulletin #090375A0270.



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SUBMITTAL FORM

SUBMITTED BY: _____
 JOB: _____
 ARCHITECT: _____
 ENGINEER: _____
 CONTRACTOR: _____
 LOCATION: _____