

# ULTRA-ZONE<sup>®</sup>

# DAPC

Distributed Air Pressure Controller

*If you can't use a By-Pass Damper...*

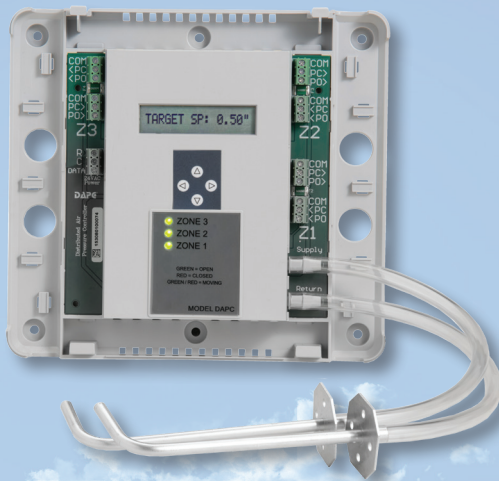
## **GREAT NEWS!**

### **EWC Controls has introduced the DAPC**



The most **Accurate** and most **Reliable** Airflow management tool available controlled by a digital manometer.

- Out of the box Plug-n-Play ready
- Modulates EWC Ultra-Zone Dampers
- Real-time damper positioning
- Monitors System Static Pressure
- Monitors Supply Side and Return Side Static
- Adjustable Static Pressure settings
- Automatically discovers System Static Pressure
- Adjustable Linear Damper Settings
- Ideal for systems where space for a By-Pass is limited
- Easy to Read LCD Display for Monitoring & Set-up
- Plenum Pitots and tubing included



Excellence Without Compromise

# **EWC<sup>®</sup>**

**CONTROLS INC.**

Proudly Manufacturing in the USA

EWC's Ultra-Zone DAPC (Distributed Air Pressure Controller) will monitor your zoned HVAC systems static pressure and the zone dampers "Open" and "Closed" commands from your installed zone panel. The DAPC will modulate zone dampers allowing excess air to flow into larger non-calling zones to control operating static pressure. The balancing of static pressure into non-calling zones, or through the system is adjustable for installer convenience. The DAPC will simulate functions of a traditional by-pass damper without the need to cycle conditioned air back into the return duct.

EWC Controls' variety of zone boards (NCM – BMPlus – UZC – UT) are all compatible with the DAPC. The Distributed Air Pressure Controller will only work with genuine EWC zone dampers (ND – URD – SID 35 and 15 second versions). Ultra-zone dampers are wired from the ductwork to the DAPC and from the DAPC to the zone

panel. The DAPC comes with (2) two pitot plenum probes, one for the supply and return, plus 16ft of pitot tubing, everything necessary for a complete plug-n-play installation of a no-bypass zoning system. The DAPC will control up to 3 zones with a total of 20 dampers from a zone board having its own dedicated power supply.

The DAPC will receive a call from your zone control panel and send a signal to the corresponding zone damper. As zone dampers are closing, static pressure will start to fluctuate. Once static pressure goes above or below the DAPC set point, non-calling zones will start to modulate open or closed to maintain operating static pressure.

The DAPC onboard LED's provide damper status and damper movement. The LCD screen provides constant feedback on static pressure and allows installers trouble-free viewing throughout programming and operation.



*Engineering assistance only a phone call away*

**ULTRA-ZONE®**  
COMFORT CONTROL SYSTEMS

385 Highway 33  
Englishtown, NJ 07726  
Phone: 800-446-3110  
Fax: 732-446-5362  
[www.ewccontrols.com](http://www.ewccontrols.com)



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