

Modulating Zoning



Saves over \$200 in Material Cost per Install and Is About Half the Labor Cost Compared to Traditional Zoning

A simple 2-Zone wireless solution for two-story homes that uses modulating dampers to control the distribution of heating and cooling to the upstairs and downstairs to provide a comfortable home and save energy.

Low Cost

Cost is about half of traditional zoning.

Fast, Wireless Installation

Less than half the installation time of traditional zoning.

Simple Operation

Very little homeowner training or support needed.

Meets the Builders Requirement for a Comfortable Home

Compatible with Smart Home thermostats or any 24VAC thermostat.

Eliminates the Hassles of Zoning!

- **Wireless - Eliminates Rough In Wiring or New Wiring in the Home.**
- **Eliminates Bypass**
The modulating dampers never close.
- **Eliminates Installing DAT Sensor**
The discharge air temperatures are not affected by Modulating Zoning.
- **Eliminates Installing Electrical Box and 24VAC Transformer**
Dampers only require 2VA power.
- **Reduces HERS Testing**
Eliminates two of the HERS zonal tests.
- **Plug&Play Dampers**
Eliminates wiring errors.
- **5 Year Warranty**

Patent US 10,520,212 B1

Made in  America

Evaluate a System

Contact us to request a sample system.

Request a Quote to Compare Cost

Contact us for a same day quote.

2-Zone, Wireless Manual Wall Control Model ZCMWL

The simple, wireless installation includes two modulating dampers installed in the trunks feeding the upstairs and downstairs zones, a wireless damper control module installed near the equipment and a wireless wall control installed on any upstairs or downstairs wall that requires no new wiring in the home.

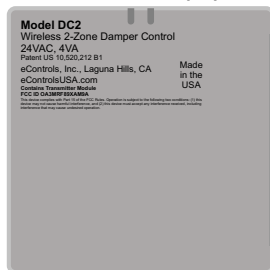


Wiring Diagram

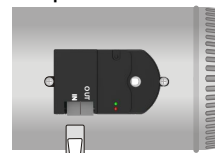
ZCMWL Wireless 2-Zone Control
Installed on any wall.



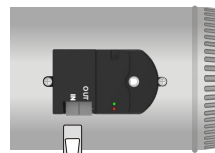
DC2 Damper Control
Installed near equipment



Modulating
Plug&Play Damper
Upstairs Zone



Modulating
Plug&Play Damper
Downstairs Zone



Plug&Play
Cables Included



② To 24VAC
(R and C) at the equipment

②# Conductor Tstat Cable

How It Works

The ZCMWL manually distributes more heating or cooling to the zone that needs it. When more heating or cooling is directed upstairs, the upstairs damper fully opens and the downstairs damper partially closes, forcing more heating or cooling to the upstairs zone.

When more heating or cooling is directed downstairs, the downstairs damper fully opens and the upstairs damper partially closes, forcing more heating or cooling to the downstairs zone.

Modulating Zoning dampers never close but are dynamically adjusted by the homeowner to find the right distribution to provide a comfortable home and save energy in every season.

Modulating Zoning Test Data

Testing was done on a modulating zone system to determine the effect of modulating zoning on the discharge air temperature, discharge plenum pressure and airflow through the equipment. Overall, testing found that modulating zoning had minimal effect on the discharge air temperatures and pressure.



To view the detailed
report, scan the code.

<http://econtrolsusa.com/modulating-zoning-test-results>

Where to Purchase

Purchase from your favorite distributor. Contact us today to get started.

Contact Information:

949-916-0945

Sales@eControlsUSA.com

Ordering Information

ZCMWLK	2-Zone Wireless Manual Wall Control Kit. Includes a ZCMWL Wireless Wall Control and a DC2 Wireless Damper Control.
R80CJ-XX	Round, Modulating, Plug&Play Damper. Includes 25' plug&play cable. Available in 6-20 inch diameters (XX).

eControls

26072 Merit Circle #110 / Laguna Hills, CA 92653
949-916-0945 Fax 949-458-8502 www.eControlsUSA.com