

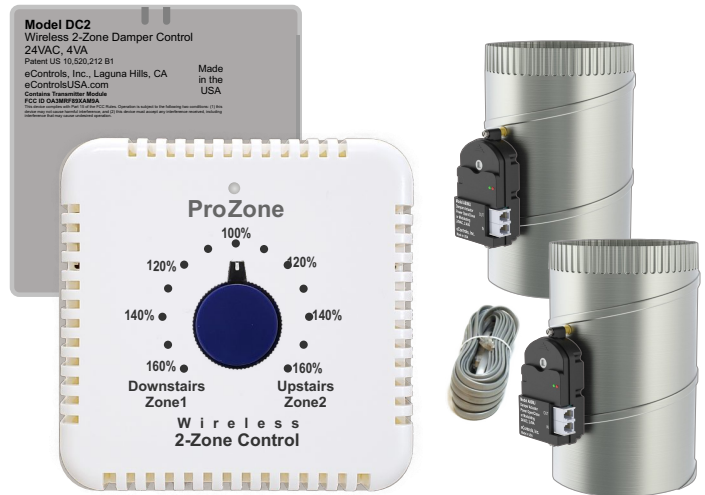
The ZCMWLK Kit includes:

- ZCMWL 2-Zone Wireless Wall Control.
- DC2 Wireless Damper Control.

The ZCMWL and DC2 are programmed with a unique address and automatically link when powered.

CAUTIONS

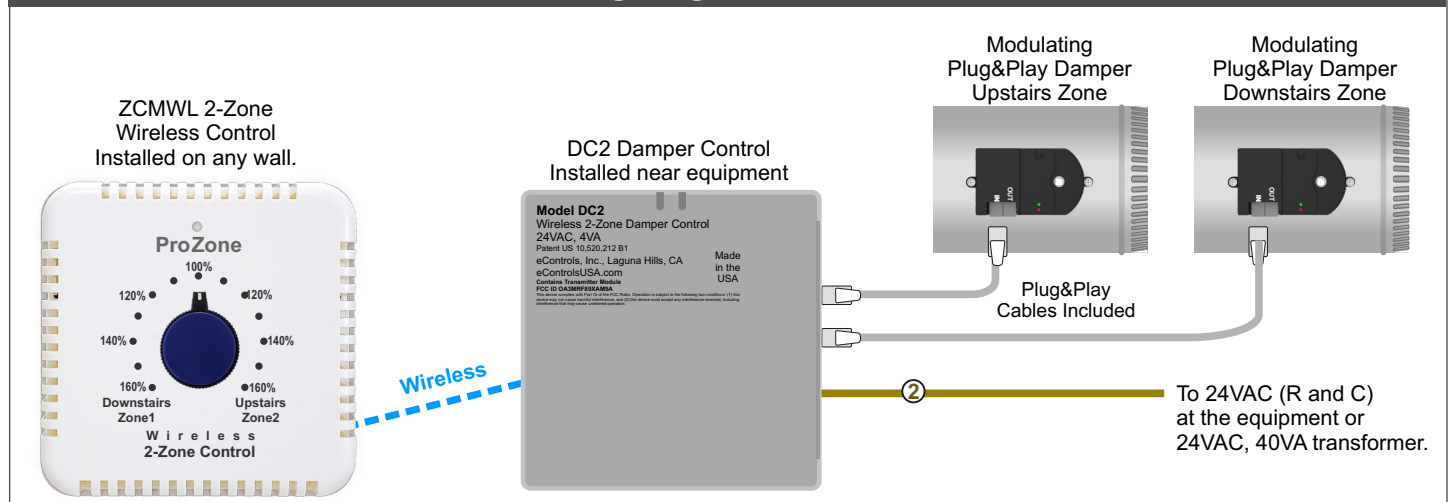
- Turn off power to HVAC equipment before installing or servicing airflow controls.
- Read and follow all instructions carefully.
- Read entire manual before installing products.
- Follow all local electrical codes during installation. All wiring must conform to local and national electrical codes.
- Installation should be performed by a qualified individual with sufficient experience and skill.
- Use cautions when mounting components to surfaces that may have concealed wiring beneath the surface.



R80CJ-XX Modulating Plug&Play Dampers (Sold Separately)

Patent US 10,520,212 B1

ZCMWL 2-Zone Wireless Control Wiring Diagram



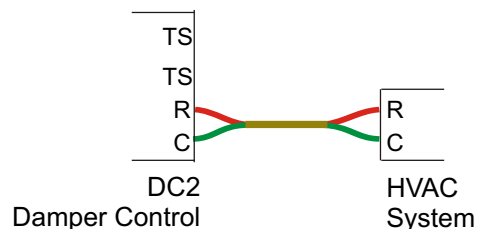
Step 1. Install the Damper Control Module

The DC2 Damper Control is installed near the HVAC equipment on a non-metal surface using the two screws provided. Remove the cover by pressing in the areas indicated to release the cover.



Step 2. Wire the DC2 to the Equipment

Connect the DC2 Damper Control to R and C terminals at the equipment using 2 conductor, 18 or 20 ga. thermostat cable.



Step 3. Install Modulating Dampers.

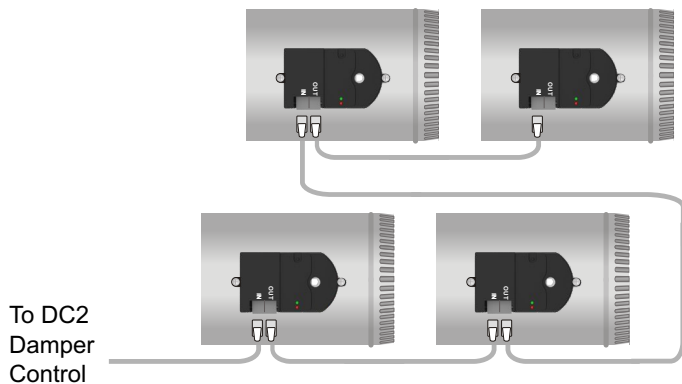
- 1) Install the modulating dampers in the trunk lines supplying air to the upstairs and downstairs spaces. Up to four dampers can be connected to define a zone.
- 2) Plug one end of the Plug&Play cable into the "IN" connector on the Upstairs damper actuator and the other end into the connector on the DC2 Damper Control marked Upstairs.
- 3) Plug one end of the Plug&Play cable into the "IN" connector on the Downstairs damper actuator and the other end into the connector on the DC2 Damper Control marked Downstairs.

Damper LEDs and Damper Position

Airflow Setting	Zone 1, Downstairs Damper	Zone 2, Upstairs Damper
100%	Open Green LED	Open Green LED
More Airflow Directed Upstairs	Partially Closed No LED	Fully Open Green LED
More Airflow Directed Downstairs	Fully Open Green LED	Partially Closed No LED

Using Multiple Dampers to Define a Zone

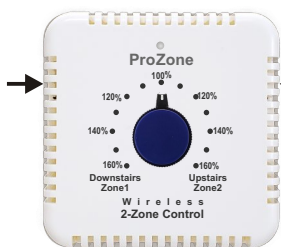
If needed, up to 4 dampers can be connected together to define the upstairs or downstairs space.



Step 4. Apply Power to DC2

Turn on power to the HVAC equipment. Observe a green LED on the DC2 and green LEDs on all damper actuators.

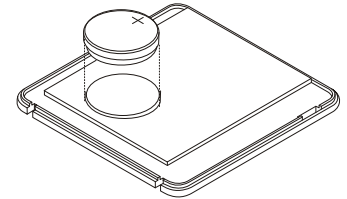
Step 5. Mount the ZCMWL Wall Control



The ZCMWL 2-Zone Control can be mounted on any wall about 5' off the ground (typical thermostat height). Press the areas indicated to release the cover. Mount the base using the included hardware.

Step 6. Install Batteries to Power ZCMWL

After mounting the base, insert the CR2450 Lithium Coin Cell battery. Make sure + side is facing up.



Replace cover by lining up the plastic tabs on the wall base to the grooves on the bottom of the cover then snap into place.

Testing Airflow

1. Check Upstairs Airflow

At the thermostat, activate a cooling call. With the ZCMWL set to 100%, measure or feel the airflow going to the upstairs and downstairs as a reference. Now rotate the knob on the ZCMWL fully clockwise to direct 160% airflow upstairs. Within about 15 seconds the LED will blink green after a successful communication. You should measure or feel more airflow to the upstairs space and less airflow to the downstairs space. If not, see troubleshooting.

2. Check Downstairs Airflow

Rotate the knob on the ZCMWL fully counter-clockwise to direct 160% airflow downstairs. Within about 15 seconds the LED will blink green after a successful communication. You should measure or feel more airflow to the downstairs space and less airflow to the upstairs space. If not, see Troubleshooting.

Return the ZCMWL knob to the center position (100%).

Power Outage

When power is restored, the dampers go to a fully open position (green LED). After 10 minutes, the control communicates the current damper position and the dampers adjust.

Troubleshooting

❗ ZCMWL LED does not blink

Indicates low battery. Change the battery.

❗ ZCMWL LED only blinks red

Indicates the wireless communication was not successful. The control will continue to resend the communication every 15 seconds, up to three times. If you continue to get a red LED, make sure the DC2 Damper Control is powered - green LED on. Make sure the ZCMWL and DC2 are within range - about 100' within the home. Make sure the ID #s on the ZCMWL and DC2 match. The ID #s can be found on the circuit boards of both devices.

❗ Airflow is not changing as expected.

Check the plug&play cable connections to the DC2 and the dampers. Make sure the connections to the Downstairs and Upstairs dampers are not reversed. Make sure the cable connectors are inserted into the actuator and DC2 completely. Make sure the DC2 is powered and a green LED is displayed.

Limited 5-Year Warranty

The 5-year warranty is limited to the repair or replacement of defective product due to parts failure or defective workmanship.

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