

No Bypass • Use Existing Tstat • Wireless • Comfort and Energy Savings

The **ZCDWL 2-Zone Wireless Comfort Control** is an effective alternative to traditional zoning - typically priced at about half the cost and installable in as little as two hours.

While the thermostat controls the activation of heating and cooling calls, the ZCDWL system monitors the upstairs and downstairs zone temperatures and uses modulating dampers to dynamically adjust the distribution of heating and cooling to the zones to provide whole home comfort and energy savings in every season.



ZCDWL 2-Zone Comfort Control

FEATURES

Eliminates Bypass Damper and Duct

The modulating dampers never close and the airflow through the equipment doesn't change.

Eliminates Discharge Air Temperature Sensor

With bypass eliminated, the return air temperature is not altered.

Eliminates Separate 24VAC Transformer

The dampers require only 2VA when positioning and 1VA when holding position allowing the control to be powered using the HVAC equipment 24VAC.

Uses the Existing Thermostat

Works with any gas/electric or heat pump thermostat with 24VAC outputs to control the HVAC equipment.

Eliminates Running New Wiring in the Home

The ZCDWL control and sensor are battery powered and wireless, eliminating new wiring within the home.

Low Material Cost and Installs in 2 Hours

Sell the installation at half the cost of traditional zoning and make \$1,200 for a 2-hour call.

Saves 30% in Energy at Night

The ZCDWL saves the homeowner 30% in energy each night by automatically directing 30% more heating or cooling to the upstairs sleeping zone and 30% less to the unoccupied downstairs zone.

Focus Comfort and Save Energy

The homeowner can focus more heating or cooling to an occupied zone and less to an unoccupied zone, saving energy and improving comfort.

EASY INSTALLATION

- ▶ Install modulating dampers in the trunks supplying air to the upstairs and downstairs zones.
- ▶ Mount the DC3 Damper Control near the equipment and wire the 5 terminals on the DC3 to the appropriate HVAC equipment terminals and connect the dampers to the DC3 using the plug&play cables provided.
- ▶ Install the 2 AAA batteries supplied with the TSWL Temperature Sensor and mount the sensor in the bedroom hallway or the primary bedroom.
- ▶ Install the 2 AAA batteries supplied with the ZCDWL 2-Zone Comfort Control and mount the control in the downstairs living space.

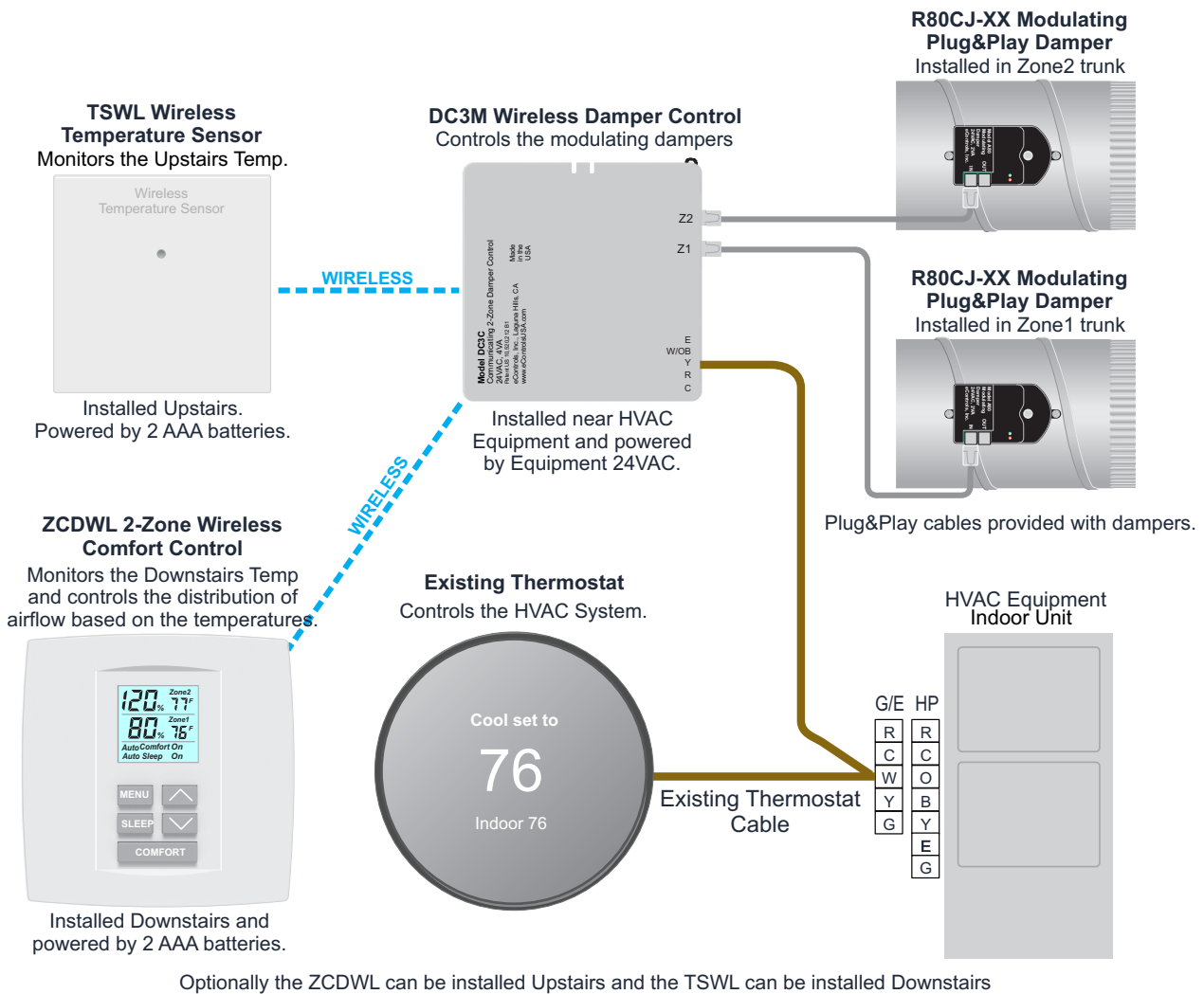


Proudly designed, engineered
and assembled in the USA

Patent US 10,520,212 B1

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WIRING DIAGRAM



How It Works

The ZCDWL monitors the equipment for heating and cooling calls and monitors the downstairs temperature at its location and the upstairs temperature at the sensor.

If the upstairs and downstairs temperatures differ by 2 degrees or more, the ZCDWL automatically distributes 2% more heating or cooling to the zone that needs it every 2 minutes.

To distribute more heating or cooling upstairs, the upstairs damper fully opens and the downstairs damper partially closes, forcing more heating or cooling to the upstairs zone. To distribute more heating or cooling downstairs, the downstairs damper fully opens and the upstairs damper partially closes, forcing more heating or cooling to the downstairs zone.

The ZCDWL system dynamically adjusts the dampers to find the right distribution of heating and cooling to provide a balanced, comfortable home and save energy in every season.

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.

Ordering Information

ZCDWLK 2-Zone Wireless Comfort Control Kit

Kit Includes pre-linked ZCDWL 2-Zone Wireless Comfort Control, DC3M Wireless Damper Control and a TSWL Wireless Temperature Sensor.

R80CJ-XX Round Dampers

Round, Modulating, Plug&Play Damper. Includes 25' plug&play cable. Available in 6-20 inch diameters.

RT80CJ-XX Rectangular Dampers

Rectangular, Modulating, Plug&Play Damper. Includes 25' plug&play cable. Call for available sizes.

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26072 Merit Circle #110 / Laguna Hills, CA 92653
949-916-0945 Sales@eControlsUSA.com
www.eControlsUSA.com