

|                    |  |
|--------------------|--|
| Job:               |  |
| Location:          |  |
| Engineer:          |  |
| Contractor:        |  |
| Contractor PO No.: |  |
| Buyer              |  |
| Architect:         |  |
| Notes:             |  |

| Model (s) | Qty  | Notes |       |
|-----------|------|-------|-------|
| ZCMWLK    |      |       |       |
|           | Size | Qty   | Notes |
| R80CJ-    |      |       |       |
| R80CJ-    |      |       |       |
| R80CJ-    |      |       |       |
| R80CJ-    |      |       |       |
| Approval  |      |       |       |



**FEATURES**

- Simple wireless installation. For residential new construction - reduces rough in wiring. For aftermarket - eliminates new wiring in the home.
- 2-Zone wireless control uses modulating dampers to manually control the distribution of heating and cooling to the upstairs and downstairs zones to provide a comfortable home and save energy.
- Manual Operation - Homeowner simply turns the knob to the right to direct more heating or cooling to the upstairs zone. Or, turn the knob to the left to direct more heating or cooling to the downstairs zone.
- Night Comfort and Energy Savings - Direct 30% more heating or cooling to the upstairs zone and 30% less to the unoccupied downstairs zone at night.
- Compatible with smart thermostats or any 24VAC thermostat. Operation is independent of the thermostat.

**ZCMWLK**  
**2-Zone, Wireless Manual Comfort Control Kit**  
 Kit includes a ZCMWL Wireless 2-Zone Comfort Control and DC3M Wireless Damper Control.

**R80CJ-XX Damper**  
 Modulating, Round, Plug&Play Damper. Unsealed. XX diameter from 6 to 20 inches. Includes 25' Plug&Play cable.

**RT80CJ-XX Damper**  
 Modulating, Rectangular, Plug&Play Damper. Unsealed. Available in 8 x 8 thru 16 x 20 in 2 inch increments. Actuator on HH, first dimension side. Includes 25' Plug&Play cable.

# Specifications

---

## ZCMWL Wireless 2-Zone Wall Control

---

### HVAC Equipment

Use with any equipment.

### Compatible Thermostat

Compatible with smart thermostats or any 24VAC thermostat.

### Airflow Modes

Manual Control.

### Airflow Adjustment Range

40 to 160% of nominal airflow.

### Airflow Adjustment Increment

5% adjustment to airflow.

### Wiring

No wiring required.

### Wireless Control

Communicates wirelessly with DC3M Damper Control. See Wireless Specs.

### Power

Lithium Coin Cell Battery.

### Installation

Any wall using hardware provided.

### Mechanical

3.15 x 3.15 x .80 inches.

---

## Wireless Specs

---

### Wireless Protocol

Uses 915MHz ISM Band.

### Wireless Linking

2-Zone Wall Control and Damper Control are pre-linked using a unique address.

### Wireless Range

More than 100 feet in a home.

### FCC Compliance

Complies with Part 15 of the FCC Rules.

---

## DC3M Wireless Damper Control

---

### Operation

Controls modulating dampers controlling the distribution of heating and cooling to the upstairs and downstairs zones.

### Modulating Damper Connection

RJ11 connectors for plug&play connection to dampers.

### Wireless Control

Damper positions wirelessly communicated by the ZCMWL control. See Wireless Specs below.

### Maximum Number of Dampers

Up to 4 dampers in the upstairs space and 4 dampers in the downstairs space can be daisy chain connected and controlled.

### Power

24VAC. Uses equipment 24VAC at R and C terminals.

### Mechanical

4 x 4 x 1.25 inches.

---

## R80CJ-XX Damper

---

### Actuator Type

A80MJ. Power modulating. Electronic control of the motor for long life.

### Actuator Mounting

Two screws. Keyed shaft for automatic alignment.

### Connection

RJ11 Plug&Play cable. 25' Cable included with damper.

### Operation Time

Fully opens in approximately 3 seconds.

### LED Indicators

Green LED indicates fully open and red LED indicates fully closed.

### Electrical Power

24VAC or 24VDC. 2VA when positioning. 1VA when holding.

### Damper Type

Unsealed

### Damper Material

24 GA galvanized steel.

### Blade Material

20 GA galvanized steel.

### Temperature, Operating

-20° to 175° F.

### Maximum Static Pressure

1.0 inch H<sub>2</sub>O.

### Multiple Damper Connection

A second RJ11 connector on the damper actuator can be used to daisy chain connect 3 additional dampers.

### Available Sizes

6" - 20" Diameter.

### Warranty

5-year warranty, limited to the repair or replacement of the product due to defective material or workmanship.

---



eControls, Inc.  
26072 Merit Circle #110 / Laguna Hills, CA 92653  
949-916-0945 Fax 949-458-8502 [www.eControlsUSA.com](http://www.eControlsUSA.com)