

#### Includes:

- WRCD Wireless Remote Control.
- (2) AAA Alkaline Batteries.

#### CAUTIONS

- Not intended as a zoning system. See [eControlsUSA.com](http://eControlsUSA.com) for zoning solutions.
- 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.



Damper sold separately.

Compatible with R80DWL-XX Dampers (unsealed) or R80DWLS (Sealed).

#### WRCD Wireless Remote Damper Control Wiring Diagram

WRCD Wireless Remote Damper Control  
Used anywhere in the space.

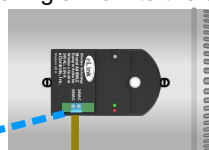
R80DWL or R80DWLS Damper  
Installed in the duct  
controlling airflow to the space.



Scan to watch  
installation Video



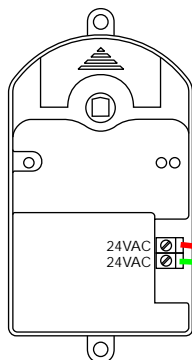
Wireless



② To 24VAC, 40VA  
transformer or  
24VAC (R and C)  
at the equipment.

#### Step 1. Install and Wire Damper

- 1) Install an R80DWL or R80DWLS damper in the trunk line supplying air to the space. Multiple dampers can be connected to define a space.
- 2) Use 18 or 20 ga., 2-conductor thermostat cable to connect the damper actuator to R and C at the equipment or a 24VAC, 40VA transformer. A 40VA transformer can power up to 10 dampers.

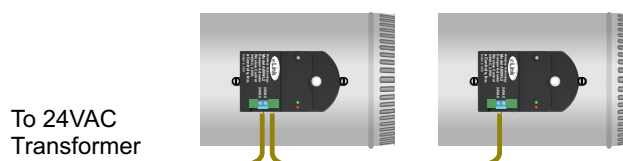


R and C  
equipment  
terminals or  
24VAC  
Transformer

#### Step 1. Continued

##### Using Multiple Dampers to Define a Zone

Use 18 or 20 ga., 2 conductor thermostat cable to connect multiple dampers. A 40VA transformer can power up to 10 dampers. If different from the default of Zone 01 and Address 01, make sure to set the Zone and Address number for the space in each damper.



## Step 2. Apply Power

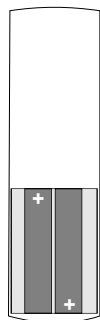
When the damper is powered, the damper goes to a fully open position and displays a green LED.

### Damper LEDs and Position

Airflow Setting	LED	Damper Position
100%	Green	Open
0%	Red	Closed
Between 100% and 0%	Green and Red LED Blink.	Partially Closed

## Step 3. Install Batteries

Remove the battery cover on the back of the remote control. Install two AAA batteries.



The remote will immediately power up and default to Zone 1, Address 1 and 100% Airflow.



## Testing Airflow

The WRCD Remote and the Damper default to Zone 01 and Address 01. At the thermostat, activate a heating or cooling call. The remote control should display 100%. Measure or feel the airflow going to the space as a reference.

Press the Down key on the remote control to set the airflow to 0%. The damper should go to the closed position and display a red LED. You should measure or feel very little airflow to the space.

Press the Up key to set the airflow to 50%. The damper should go to a partially closed position and display a green and red blinking LED. You should measure or feel some airflow to the space but not as much as at 100%.

Press the Up key to set the airflow to 100%. The damper should completely open and display a green LED.

If the space has a different Zone and/or Address number than the default, make sure the WRCD Zone and Address number matches the Zone and Address number set in the dampers for the space. See the WRCD User Manual for instructions on changing the Zone and/or Address number in the remote.

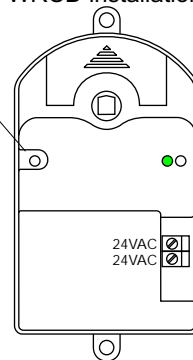
Repeat the steps above to test the airflow.

## Changing the Actuator Zone Number

The dampers are factory set for Zone 1 and Address 1 and only need to be changed when the remote control is controlling airflow to multiple zones or spaces or another WRCD installation is within 100 feet.

Push Button Switch

Press and hold the push button switch. The green LED blinks once, pauses then blinks twice, pauses then blinks three times, etc. up to eight times. Release the switch after the number of blinks corresponding to the Zone number to be set. The Zone number can be reset at anytime.

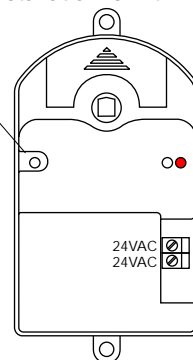


## Changing the Actuator Address Number

The dampers are factory set for Address 1 and only need to be changed when the remote control is controlling airflow to multiple zones or spaces or another WRCD installation is within 100 feet.

Push Button Switch

Turn power Off to the actuator. Press and hold the push button switch while applying 24VAC power to the actuator. The red LED blinks once, pauses then blinks twice, pauses then blinks three times, etc. up to eight times. Release the switch after the number of blinks corresponding to the Address number to be set. The Address number can be reset at anytime.



## Document Multiple Zone Locations

When a WRCD Remote Control is used to control airflow to multiple zones or spaces, record the zone locations below. An expanded form that includes Zones and Address numbers is available online at [eControlsUSA.com/DirectDamperControls](http://eControlsUSA.com/DirectDamperControls).

Zone 1	
Zone 2	
Zone 3	
Zone 4	
Zone 5	
Zone 6	
Zone 7	
Zone 8	

## 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.

# eControls

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