

#### Includes:

- WRDC Wireless Remote Damper Control.
- (2) AAA Alkaline Batteries (already installed).

#### Compatible Dampers (sold separately):

- R80DWL-XX (Unsealed)
- R80DWLS-XX (Sealed)

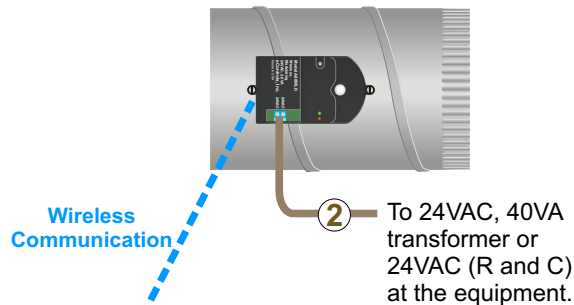


### ⚠ CAUTIONS

- Not intended as a zoning system. See eControlsUSA.com for zoning solutions.
- Turn off power to HVAC equipment before installing or servicing airflow controls.
- Read and follow all instructions carefully before installing.
- 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.

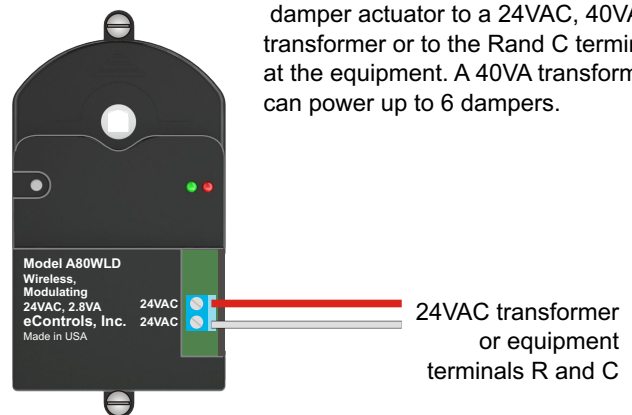
### Wiring Diagram

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



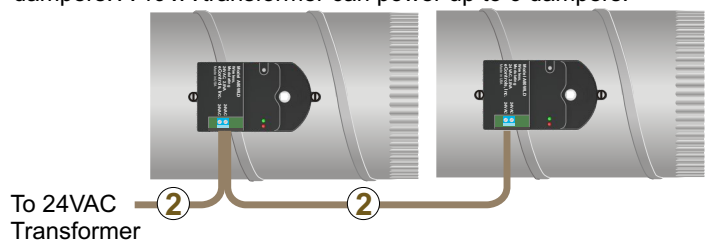
### Step 1. Install and Wire Damper(s)

- 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 a 24VAC, 40VA transformer or to the Rand C terminals at the equipment. A 40VA transformer can power up to 6 dampers.



### Powering Multiple Dampers

Use 18 or 20 ga., 2 conductor thermostat cable to connect multiple dampers. A 40VA transformer can power up to 6 dampers.



## 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. Set Damper Number (Only if multiple dampers are installed)

Dampers are factory set to Damper 01 and only need to be changed when the WRDC Remote is controlling multiple dampers in different spaces or when another WRDC Remote installation is within 300 feet.

Push Button Switch



With the damper powered, 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 Damper number to be set. The Damper number can be reset at anytime.

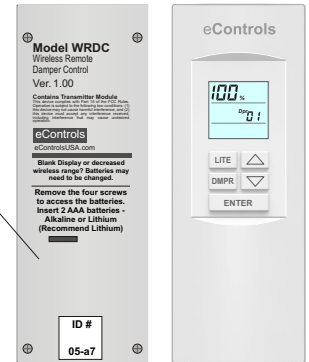
Use the form below to record the Damper number and the corresponding location.

Damper #	Damper Location
Damper 1	
Damper 2	
Damper 3	
Damper 4	
Damper 5	
Damper 6	
Damper 7	
Damper 8	

## Step 4. Power the Remote

Use the pull tab on the back of the WRDC Remote to activate the AAA batteries already installed.

Pull Tab



The remote will immediately power up and default to Damper 01 and 100% Airflow.

## Testing Airflow

The WRDC Remote and the Damper default to Damper 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% then press ENTER. 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% then press ENTER. 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% then press ENTER. The damper should completely open and display a green LED.

To test a different Damper number, press the DMPR key then use the Up or Down key to select the Damper number to test. The selection is saved when the backlight turns off. Repeat the steps above to test airflow to the space.

## 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

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