

**Model WRCD / Sealed Dampers**

Patent US 10,520,212 B1

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

Model (s)	Qty	Notes	
WRCD			
	Size	Qty	Notes
R80WZD-			
R80WZD-			
R80WZD-			
R80WZD-			
Approval			



**WRCD Wireless Remote Damper Control**

Includes WRCD Wireless Remote and 2 AAA batteries. Set to Zone 01 and Address 01.

**R80WZD-XX Damper**

Modulating, Round, Wireless Damper. Sealed. XX diameter from 6 to 20 inches. Set to Zone 01 and Address 01.

**FEATURES**

- Eliminates overheating and overcooling.
- Saves energy by reducing heating and cooling to unoccupied spaces.
- Simple installation - Only 2 wires to connect. No new wiring within the space.
- Simple operation - Little homeowner training or support needed.
- Manual Operation - Press the Up or Down key
  - Adjust the airflow to spaces that are overheated or overcooled.
  - Reduce airflow to unoccupied spaces.
- Set up to 64 unique addresses by setting unique Zone and/or Address numbers.

# Specifications

## WRCD Wireless Remote Damper Control

### HVAC Equipment

Use with any equipment. WRCD does not control the equipment.

### Compatible Thermostat

WRCD works with any thermostat.

### Airflow Mode

Manual Control.

### Airflow Adjustment Range

100% to 0% of nominal airflow.

### Airflow Adjustment Increment

5% adjustment to airflow.

### Wiring

No wiring required.

### Wireless Control

Communicates wirelessly to R80DWL or R80WZD Damper. See Wireless Specs.

### Power

2 AAA batteries.

### Installation

None.

### Mechanical

1.5 x 5.5 x .50 inches.

## Wireless Specs

### Wireless Protocol

Uses 915MHz ISM Band.

### Wireless Linking

WRCD and A80WLD actuator are both set to Zone 01 and Address 01. These only need to be changed if there are other WRCD installations are within 100'.

### Wireless Range

More than 100 feet in a home.

### FCC Compliance

Complies with Part 15 of the FCC Rules.

## R80WZD-XX Damper

### Actuator Type

A80WLD. Power modulating. Wireless. Electronic control of the motor for long life.

### Actuator Mounting

Two screws. Keyed shaft for automatic alignment.

### Connection

Wireless communication to control. 2-wire connection for power.

### Wireless Control

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

### Power

24VAC. Uses equipment 24VAC at R and C terminals. Or, use a separate 24VAC, 40VA transformer.

### Operation Time

Fully opens in approximately 3 seconds.

### LED Indicators

Green LED indicates fully open and red LED indicates fully closed. Green/Red blinking LED indicates position between open and closed.

### Electrical Power

24VAC or 24VDC. 2.8VA when positioning. 1VA when holding.

### Damper Type

Sealed

### Damper Material

24 GA galvanized steel.

### Blade Material

20 GA galvanized steel.

### Dual Air Sealed

Damper blade includes a foam gasket on peripheral of the blade. Adhesive foam gasket is attached to shell.

### Temperature, Operating

-20° to 175° F.

### Maximum Static Pressure

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

### Multiple Damper Connection

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

### Available Sizes

6" - 20" Diameter.

### Warranty

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

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