

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.

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 H₂O.

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.



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