

**Model WLDCK / Unsealed Dampers**

Patent US 10,520,212 B1

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

Model (s)	Qty	Notes	
WLDCK			
	Size	Qty	Notes
R80CJ-			
R80CJ-			
R80CJ-			
R80CJ-			
Approval			



**WLDCK Wireless Damper Control Kit**

Kit includes WLDC Wireless Damper Wall Control, coin cell battery and DDC2 Wireless Damper Control. Prelinked.

**R80CJ-XX Damper**

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

**FEATURES**

- Eliminates overheating and overcooling.
- Saves energy by reducing heating and cooling to unoccupied spaces.
- Simple installation - Only 2 wires and 1 plug&play cable to connect. No new wiring within the space.
- Simple operation - Little homeowner training or support needed.
- Manual Operation - Turn the knob to:
  - Adjust the airflow to spaces that are overheated or overcooled.
  - Reduce airflow to unoccupied spaces.

# Specifications

## WLDC Wireless Damper Wall Control

### HVAC Equipment

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

### Compatible Thermostat

WLDC 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 DDC2 Damper Control. See Wireless Specs.

### Power

Coin cell battery, CR2450.

### 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

Wireless Direct Damper Wall Control and Wireless 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.

## DDC2 Wireless Damper Control

### Operation

Controls modulating damper(s) controlling airflow to a space.

### Damper Connection

RJ11 connector for plug&play connection to damper.

### Wireless Control

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

### Maximum Number of Dampers

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

### Power

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

### 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**

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