

Model WDDCK / Sealed Dampers

Patent US 10,520,212 B1

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

Model (s)	Qty	Notes	
WDDCK			
	Size	Qty	Notes
R80JZD-			
R80JZD-			
R80JZD-			
R80JZD-			
Approval			



WDDCK Wireless Damper Control Kit

Kit includes WDDC Wired Damper Wall Control and DDC1 Wired Damper Control.

R80JZD-XX Damper

Modulating, Round, Plug&Play Damper. Sealed. 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 - 3 wires and 1 plug&play cable to connect.
- 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

WDDC Wired Damper Wall Control

HVAC Equipment

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

Compatible Thermostat

WDDC 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

3-Wire connection to DDC1.

Power

Powered by DDC1 Damper Control.

Installation

Any wall using hardware provided.

Mechanical

2.75 x 4.5 x .25 inches.

DDC1 Wired Damper Control

Operation

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

Damper Connection

RJ11 connector for plug&play connection to damper.

Wired Control

Damper positions communicated by the WDDC control.

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.

R80JZD-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.

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

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

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