

The WLDCK Kit includes:

- WLDC Wireless Damper Control.
- (1) CR2450 Coin Cell Battery.
- DDC2 Damper Control Module.

The WLDC is prelinked to the DDC2 and automatically links when powered.

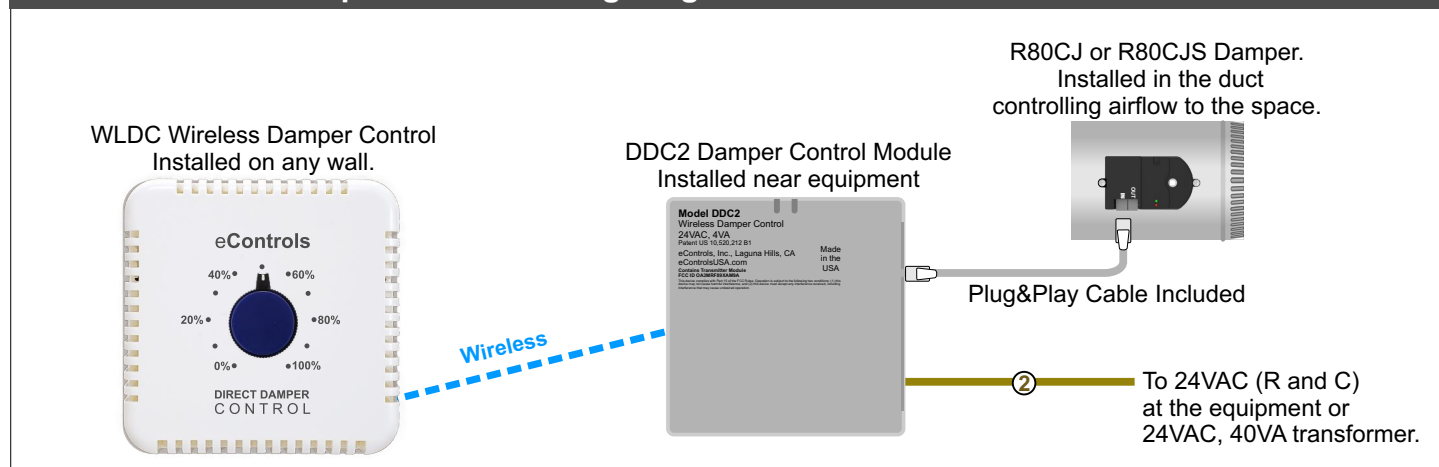
CAUTIONS

- 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.
- Read entire manual before installing products.
- 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.



Compatible with R80CJ-XX Dampers (unsealed) or R80CJS-XX Dampers (sealed).

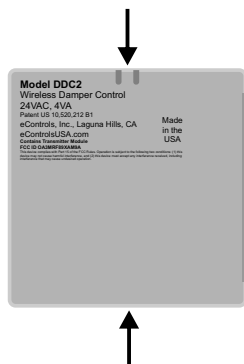
WLDC Wireless Damper Control Wiring Diagram



Step 1. Install the DDC2 Damper Control

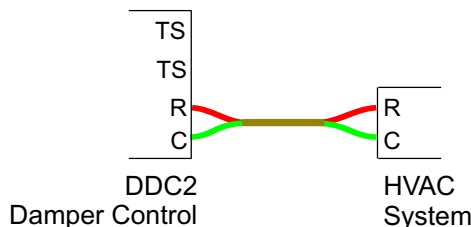
The DDC2 Damper Control is installed near the HVAC equipment on a non-metal surface using the hardware kit.

To remove the cover, press the plastic tabs in the area indicated.



Step 2. Wire the DDC2 to the Equipment

Connect the DDC2 Damper Control to R and C terminals at the equipment using 2 conductor, 18 or 20 ga. thermostat cable.



Step 3. Install Modulating Damper

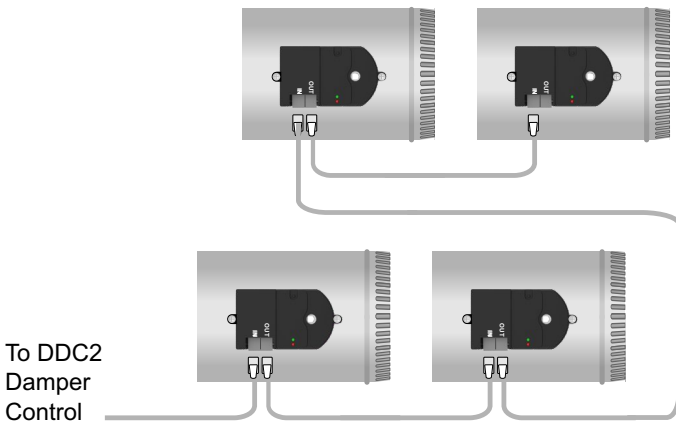
- 1) Install a modulating damper in the trunk line supplying air to the space. Up to four dampers can be connected to define a zone.
- 2) Plug one end of the Plug&Play cable into the "IN" connector on the damper actuator and the other end into the Zone 1 connector on the DDC2 Damper Control.

Damper LEDs and Position

Airflow Setting	LED	Damper Position
100%	Green	Open
0%	Red	Closed
Between 100% and 0%	No LED	Partially Closed

Using Multiple Dampers to Define a Zone

If needed, up to 4 dampers can be connected together to define the space.



Step 4. Apply Power

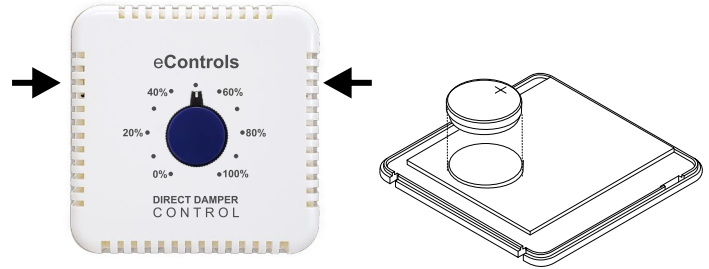
Turn on power to the HVAC equipment. Observe a green LED on the DDC2 circuit board and a green LED on the damper actuator.

Step 5. Mount the WLDC Wall Control

The WLDC Damper Control can be mounted on any wall about 5' off the ground (typical thermostat height) using the hardware kit included.

Step 6. Power the WLDC Damper Control

Install the CR2450 Coin Cell Battery included in the kit.



Press and hold in the areas indicated near the top of the control to release the cover.

Insert the CR2450 Lithium Coin Cell battery. Make sure + side is facing up.

Replace cover by lining up the plastic tabs on the wall base to the grooves on the bottom of the cover then snap into place.

Testing Airflow

At the thermostat, activate a heating or cooling call. Set airflow to 100%. Measure or feel the airflow going to the space as a reference. Now rotate the knob on the WLDC fully counter clockwise to 0% to reduce airflow. Within about 15 seconds the LED on the WLDC will blink green after a successful communication. You should measure or feel very little airflow. Now rotate the knob clockwise to 50%. Measure or feel the airflow going to the space. You should feel more airflow but not as much as at 100%. If not, see troubleshooting. If the LED does not blink green, see Troubleshooting.

Troubleshooting

! LED does not blink

Make sure the battery is installed correctly. Also an indicator of low battery.

! LED only blinks red

Make sure the DDC2 Damper Control is powered - green LED on. Also make sure the WLDC and DDC2 are within range - about 100' within the home. To see the LED on the DDC2, you may need to remove the cover.

Also, make sure the ID # on the WLDC is matching the ID # on the DDC2. The ID numbers can be found on the ID labels on the circuit boards.

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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