

The WWDC Wireless Wall Damper Control eliminates overheating, overcooling and conditioning unused spaces to improve comfort and save energy.

Understanding Your WWDC Damper Control

Your installation includes a WWDC Wireless Wall Damper Control and a wireless modulating R80DWL Damper that controls the amount of heating or cooling airflow to a space. The WWDC Control wirelessly communicates to the R80DWL Damper. Airflow can be adjusted from 100% (damper fully open) to 0% (damper closed) in 10% increments.



WRDC
Wireless Wall Damper Control



R80DWL Damper
(Sold Separately)

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Eliminate Overheating or Overcooling

When the space is overheated or overcooled, simply lower the airflow. The damper partially closes and reduces the amount of heating or cooling to the space. By partially closing the damper, more heating or cooling is redirected to other spaces, improving comfort and saving energy.

Turn the knob to the left to reduce airflow to the space. The damper responds within about 15 seconds. Start with a 10-20% adjustment.

Turn the knob to make additional adjustments to airflow to achieve your ideal comfort level.



Eliminate Conditioning Unoccupied Spaces

For unoccupied spaces, lower the airflow to a very low setting. The damper closes and significantly reduces the amount of heating or cooling to the space, saving energy. By closing the damper, more heating or cooling is redirected to other spaces.

Turn the knob to the far left to reduce airflow to the space. The damper responds within about 15 seconds. At 0% there will be minimal airflow to the space.

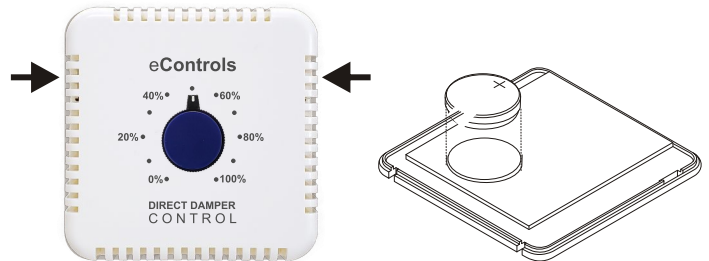
When the space is occupied, simply turn the knob to the right to increase the heating or cooling airflow to the space.



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Changing the Coin Cell Battery

The WWDC Control is powered by a CR2450 Lithium Coin Cell Battery. Battery life is about 3 years.



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

Remove the battery. Insert a 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.

Troubleshooting

The damper is not controlling airflow.

- Make sure the damper is powered.
- Change the batteries in the WWDC Control.

Power Outage

- When power is restored after a power outage, the damper goes to a fully open position then repositions to the last damper setting. If the damper does not reposition, rotate the knob slightly to send a communication to update the damper position.

Airflow set to 0% but I still feel some airflow.

- For unsealed dampers, it's normal to feel a very small amount of airflow. If the airflow is very noticeable, a technician should check to make sure the damper is opening and closing properly.

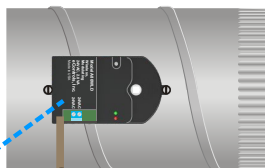
INSTALLATION

CAUTIONS

- Before installing, turn off all power to the HVAC system.
- Read and follow all instructions carefully.
- Read entire manual before installing products.

Wiring Diagram

R80DWL or R80DWLS Damper
Installed in the duct
controlling airflow to the space.



Wireless
Communication

To 24VAC, 40VA
transformer or
24VAC (R and C)
at the equipment.

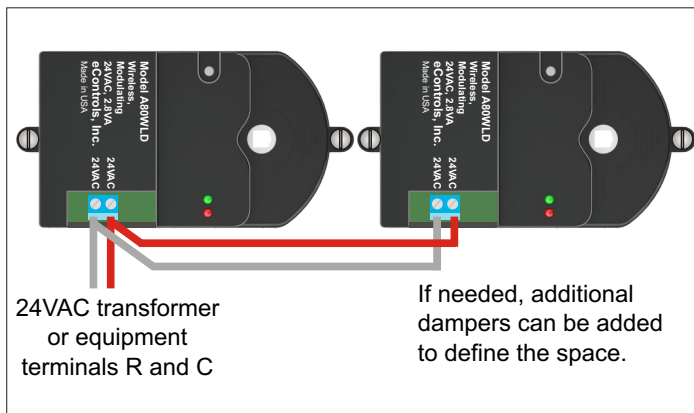


WWDC Wireless Wall
Damper Control
Installed on any wall.

Step 1. Install and Wire Damper(s)

- Install an R80DWL or R80DWLS damper in the trunk line supplying air to the space.
- Use 18 or 20 ga., 2-conductor thermostat cable to connect the damper actuator to a 24VAC, 40VA transformer or to the R and C terminals at the equipment. See Figure 1.
- If needed, multiple dampers can be connected to define a space. Use 18 or 20 ga. thermostat cable to connect multiple dampers. A 40VA transformer can power up to 6 dampers. See Figure 1.

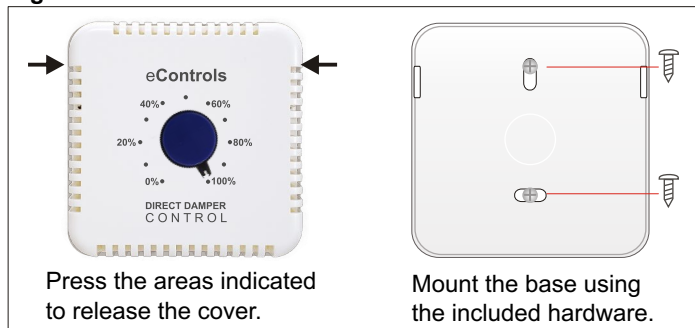
Figure 1.



Step 2. Mount the WWDC Control

The WWDC is mounted on any wall about 5' off the ground (typical thermostat height). See Figure 2.

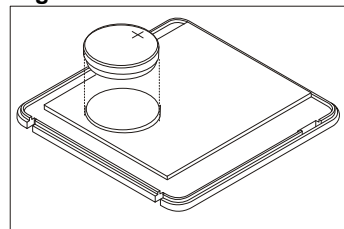
Figure 2.



Step 3. Install Batteries to Power WWDC

After mounting the base, insert the CR2450 Lithium Coin Cell battery. Make sure + side is facing up. See Figure 3.

Figure 3.



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.

Step 4. Power Dampers and Test Airflow

Power the 24VAC transformer or equipment.

- The damper should display a green LED indicating the damper is fully open.
- Set the thermostat for a cooling call or continuous fan call.
- Rotate the knob counter clockwise to set airflow to 0%. The damper should go to the closed position and display a red LED. You should measure or feel very little airflow to the space.
- Rotate the knob clockwise to set airflow to 50%. The damper should go to a partially closed position and display a blinking red/green LED. You should measure or feel some airflow to the space but not as much as at 100%.
- Rotate the knob clockwise to set airflow to 100%. The damper should go to a fully open position and display a green LED.

Damper LEDs and Position

Airflow Setting	LED	Damper Position
100%	Green	Open
0%	Red	Closed
Between 100% and 0%	Green and Red LED Blink.	Partially Closed

eControls

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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.