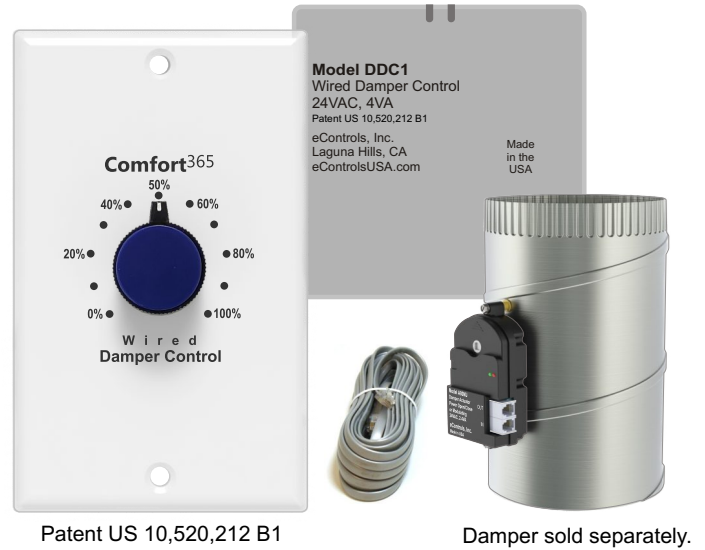


The WDDCK Kit includes:

- WDDC Wired Damper Control.
- DDC1 Damper Control Module.

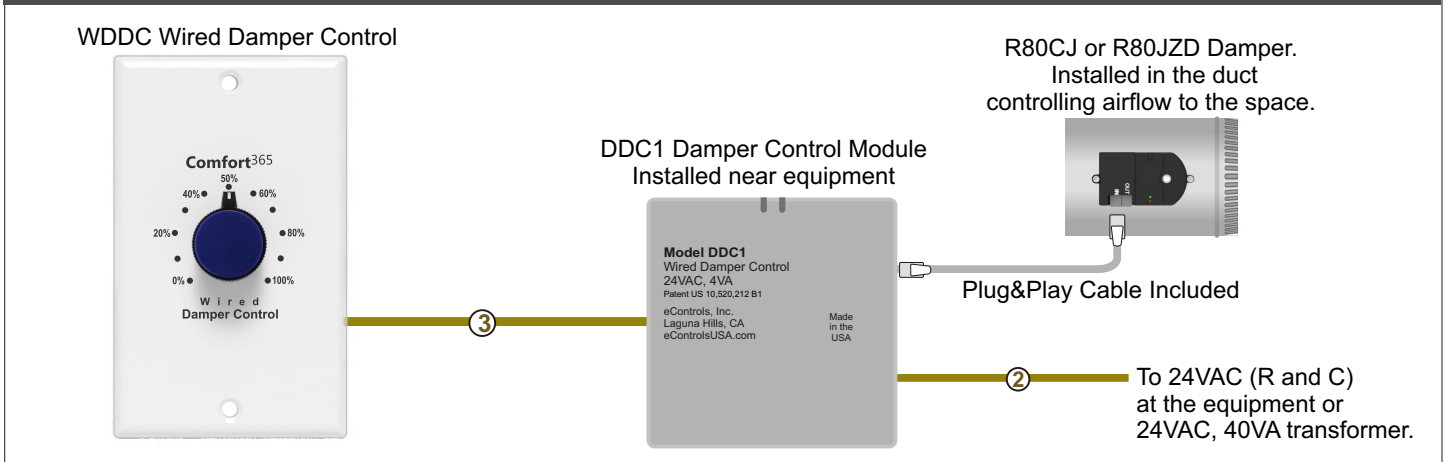
CAUTIONS

- 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 R80JZD-XX Dampers (sealed).

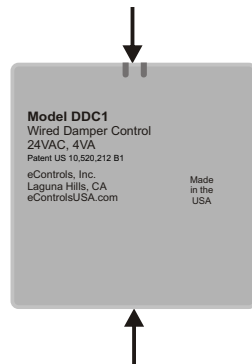
WDDC Wired Damper Control Wiring Diagram



Step 1. Install the DDC1 Damper Control

The DDC1 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.

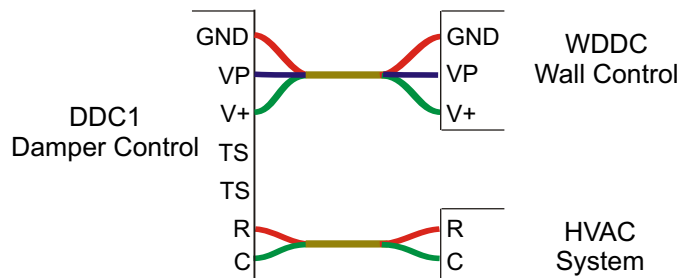


Step 2. Install the WDDC Wall Control

The WDDC can be installed directly to any wall, about 5' off the floor. See cut out template on page 2.

Step 3. Wire the DDC1 Damper Control

Connect the DDC1 Damper Control to R and C terminals at the equipment using 2 conductor, 18 or 20 ga. thermostat cable. Connect the DDC1 Damper to the WDDC Wall Control using 3 conductor, 18 or 20 ga. thermostat cable.



Step 4. Install Modulating Damper

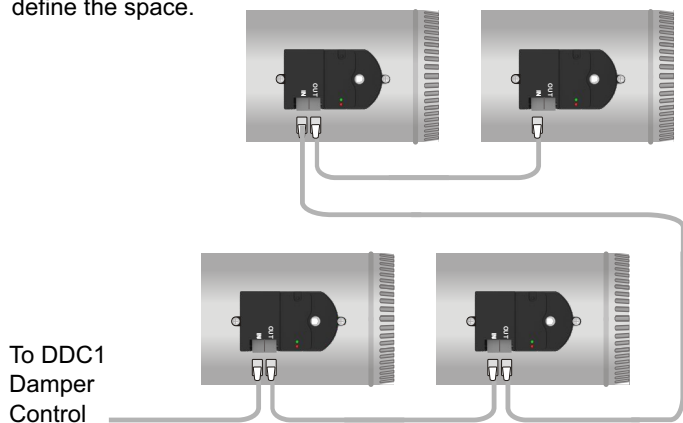
- 1) Install a modulating damper in the trunk line supplying air to the space. Up to four dampers can be connected to define a zone.
- 2) Plug one end of the Plug&Play cable into the "IN" connector on the damper actuator and the other end into the Zone 1 connector on the DDC1 Damper Control.

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 5. Apply Power

Turn on power to the HVAC equipment. Observe a green LED on the DDC1 circuit board and a green LED on the damper actuator.

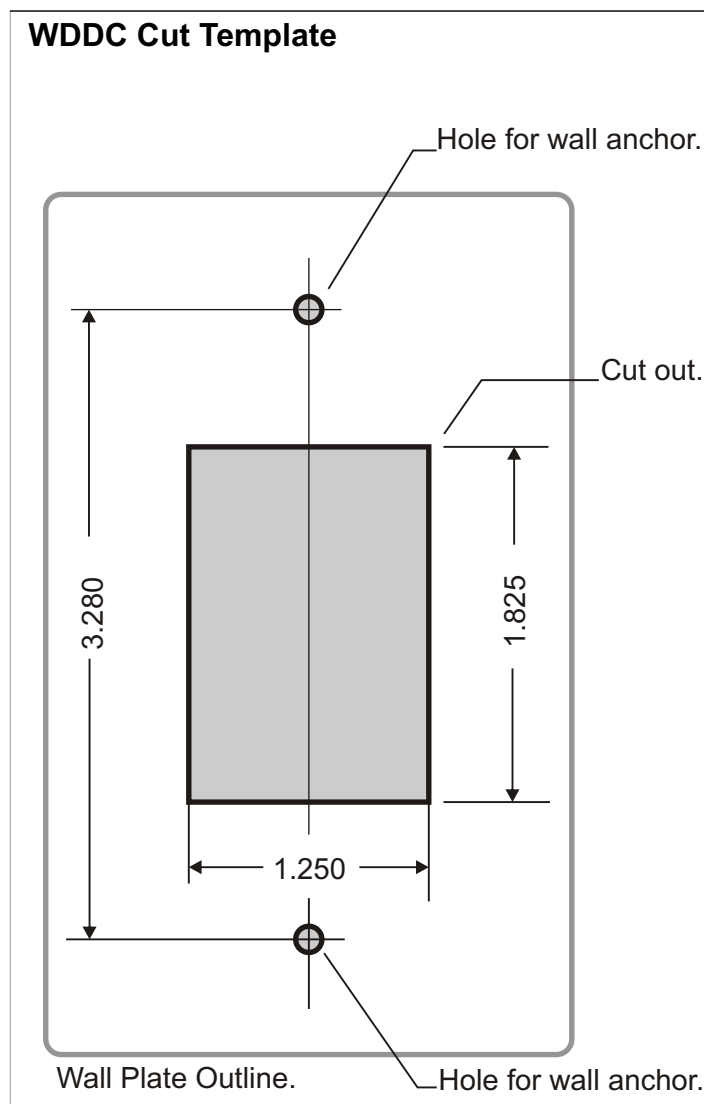
Testing Airflow

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 WDDC fully counter clockwise to 0% to reduce airflow. 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.

Troubleshooting

- ❗ Make sure the DDC1 Damper Control is powered - green LED on. To see the LED on the DDC1, you may need to remove the cover.
- ❗ Check the wiring at the WDDC and DDC1. Check the damper connection at the damper and at the DDC1.

WDDC Cut Template



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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