

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

Understanding Your MWC Damper Control

Your installation includes an MWC Wired Wall Damper Control and a wired modulating R80DV Damper that controls the amount of heating or cooling airflow to a space. The MWC Control is wired to the R80DV Damper. Airflow can be adjusted from 100% (damper fully open) to 0% (damper closed).

MWC
Wired Wall
Damper
Control



R80DV Damper
(Sold Separately)



USER

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. 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. 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.



INSTALLATION

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INSTALLATION STEPS

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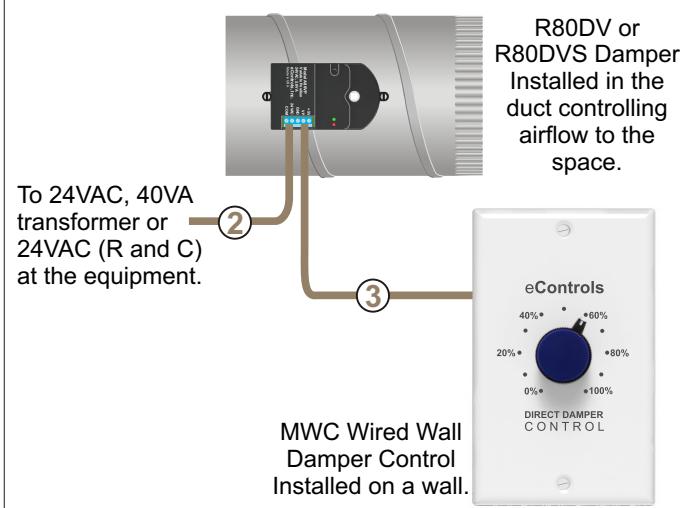
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CAUTIONS

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

Wiring Diagram

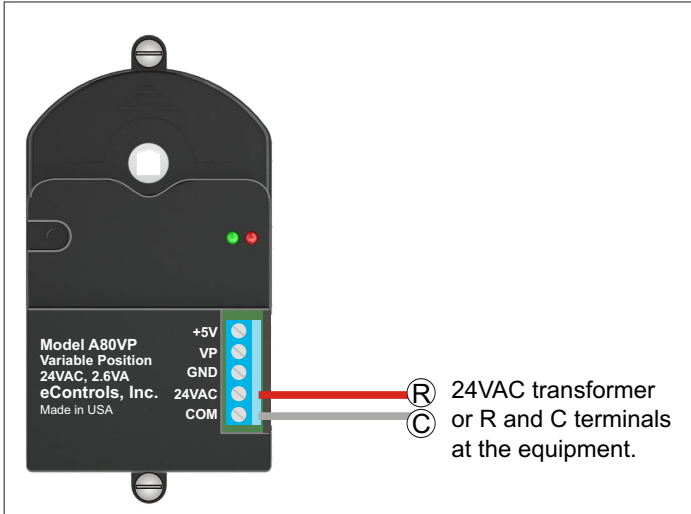


INSTALLATION

STEP 1 Install and Wire Damper(s)

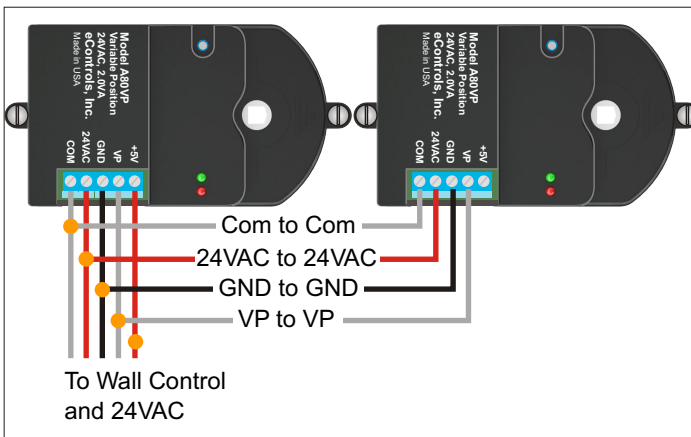
- Install an R80DV or R80DVS damper in the trunk line supplying air to the space. Multiple dampers can be connected to define a space.
- Use 18 or 20 ga., 2-conductor thermostat cable to connect the damper actuator to a 24VAC, 40VA transformer or to the R and C terminals at the equipment. A 40VA transformer can power up to 6 dampers. See Figure 1.

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 2.

Figure 2.

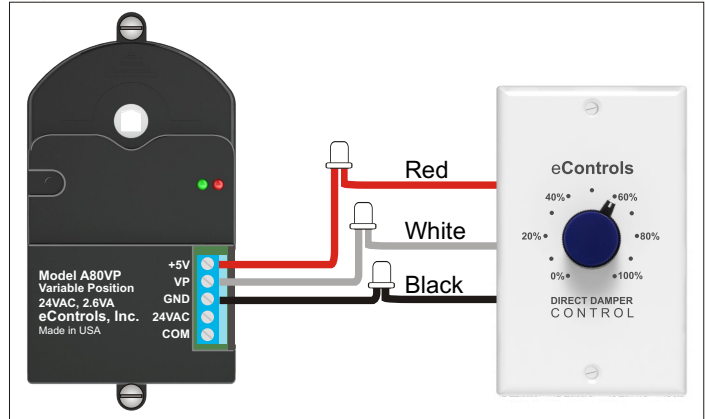


STEP 2 Install and Wire MWC Control

The MWC is installed about 5' off the floor, directly to a wall or a single gang box can be used.

- Run 18 or 20 ga., 3-conductor thermostat cable from the damper location to the MWC Control location. Connect the cable to the damper terminals. See Figure 3.
- Using the wire nuts included, connect the MWC Control wires to the wires connected to the damper. See Figure 3.

Figure 3.



STEP 3 Apply Power and Test Airflow

Power the equipment or the 24VAC transformer.

- 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 the 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 the airflow to 50%. The damper should go to a partially closed position and display no LED. You should measure or feel some airflow to the space.
- Rotate the knob clockwise to set the airflow to 100%. The damper should go to a fully open position and display a red LED. You should measure or feel some airflow to the space.

TROUBLESHOOTING

- No LED on Damper Actuator when airflow is set to 100% - Check the wiring. Check power.
- Airflow not working - Check the wiring.

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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