

DuroZone®

INSTALLATION INSTRUCTIONS

Controlling Multiple Model WRCD Remote Control Dampers



Wiring Instructions

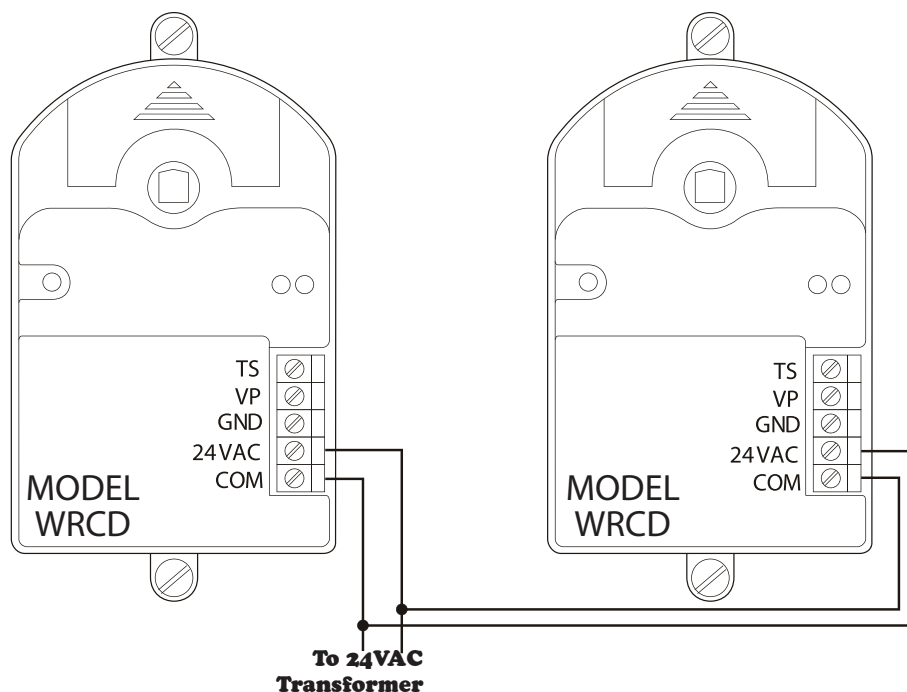
The damper requires 24VAC power that can be provided by a 40VA, 24VAC transformer. The transformer can be a plug-in type or a transformer mounted on a junction box in the ceiling. A single 40VA transformer can power 6 dampers.

WRCD Damper Motor Terminals

TS	Not used
VP	Not used
GND	Not used
24VAC	Connect to 24VAC transformer
COM	Connect to 24VAC transformer

Multiple WRCD Dampers in a Zone

An unlimited amount of WRCD Dampers may be programmed to operate together from the same Zone number and Address number. Multiple WRCD Dampers in a zone may be powered from individual 24 volt transformers or by a single transformer. When powering multiple WRCD dampers from the same 24 volt transformer, all wires from terminal 24 VAC on the motor must be connected to the same terminal on the 24 volt transformer. Similarly, the COM terminals from those WRCD motors must all be wired to the other terminal of the 24 volt transformer. The damper motor is rated 3.5VA and 130 miliamps in operation; 2.25VA and 90 miliamps when idle. WRCD dampers to be operated as one group need to have the identical zone number and address number programmed into them. Follow the steps on the WRC Wireless Remote Control instruction sheet to program the Zone number and Address number into the damper motors.



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Duro Dyne Midwest • Fairfield, OH 45011 • Phone: 513-870-6000 • Fax: 513-870-6005
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ALL DUROZONE DAMPERS FEATURE:

- 5 year limited warranty
- Controlled bypass
- Maintenance free operation
- Quick install mounting clips (except Round Dampers)
- 100% factory testing
- Screwless terminals
- Custom dampers and special controls are available on request.

DuroZone®

INSTALLATION INSTRUCTIONS

One WRCD Damper Controlling Multiple Model RCD Round Diffuser Dampers



Wiring Instructions

The damper requires 24VAC power that can be provided by a 40VA, 24VAC transformer. The transformer can be a plug-in type or a transformer mounted on a junction box in the ceiling. A single 40VA transformer can power 6 dampers.

WRCD Damper Motor Terminals

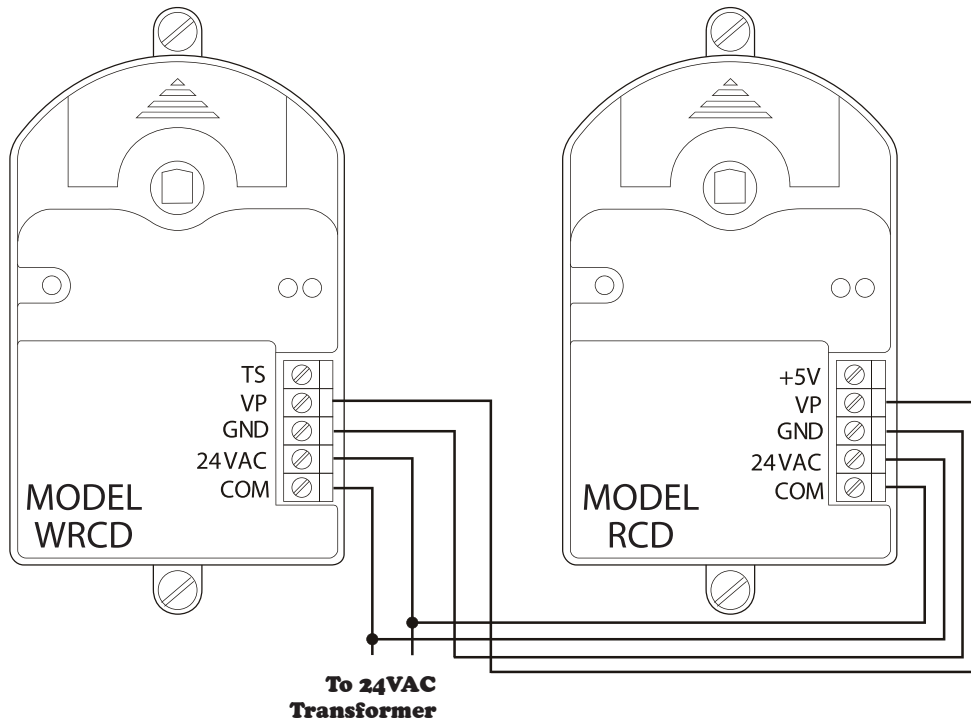
TS	Not used
VP	Connect to VP on another damper
GND	Connect to GND on another damper
24VAC	Connect to 24VAC transformer
COM	Connect to 24VAC transformer

RCD Damper Motor Terminals

+5V	Not used
VP	Connect to VP on another damper
GND	Connect to GND on another damper
24VAC	Connect to 24VAC transformer
COM	Connect to 24VAC transformer

Using One WRCD Damper With Multiple RCD Dampers In One Zone

A WRCD Damper may be wired to one or more (up to 5) RCD dampers. This allows the WRCD and the RCD damper operations to be controlled by the WRC Wireless Remote Control. Connect all the VP terminals on the damper motors together. In like manner connect all the GND terminals on the damper motors together. Multiple dampers in a zone may be powered by individual 24 volt transformers or by a single transformer. When using one transformer to power multiple motors, wire all 24 VAC motor terminals to the same transformer terminal and all COM motor terminals to the other transformer terminal. Damper motors are rated 3.5VA and 130 miliamps during operation; 2.25VA and 90 miliamps when idle.



Install all devices in accordance with applicable electrical and mechanical codes.

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