

DIRECT DAMPER CONTROLS

Improve Comfort and Save Energy

Eliminate Overcooling or Overheating

Wireless and Wired Controls

Residential and Commercial Applications



Made in the USA

eControls

Direct Damper Controls

Direct Damper Controls eliminate the overcooling and overheating found in many homes and commercial sites where a single thermostat controls multiple spaces. Direct Damper Controls allow a user to control the amount of air into a space by opening or closing the damper that is connected to the diffuser or register.



I'm too cold when the air conditioning is on.

Direct Damper Controls improve comfort and productivity by enabling the occupant to adjust the airflow to their desired comfort level.

In a home, there may be certain rooms where less airflow is desired, such as a nursery or a grandparents room. Direct Damper Controls enables the occupant to select the airflow that is most desirable for the space.

Space is too cold or too warm for your customer.

Direct Damper Controls makes the space comfortable for every customer by adjusting the airflow to the customer's comfort level.



Heating or cooling a vacant room wastes energy.

Save energy using Direct Damper Controls to close the damper to an unused space and direct more airflow to the occupied spaces.

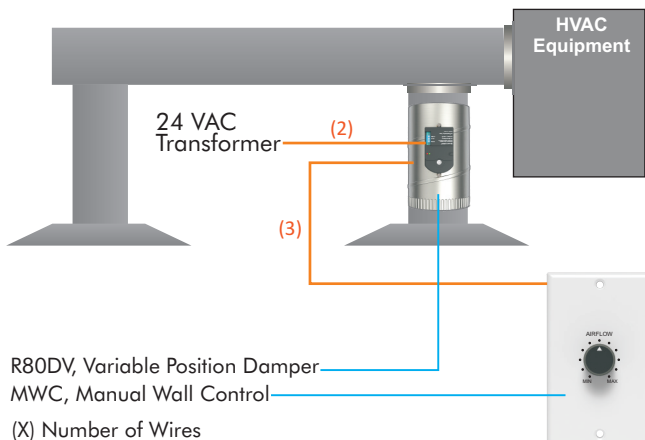
Rooms, such as a home theater or a garage, may only need airflow on occasion. Reducing airflow to these rooms saves energy.



How It Works

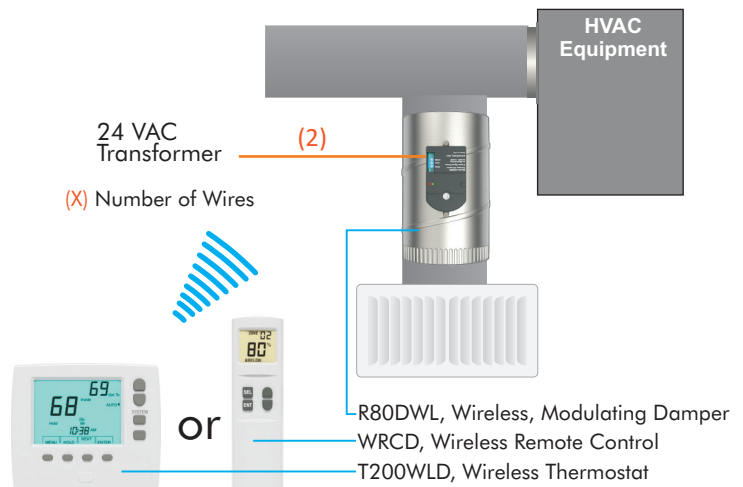
Wired Direct Damper Control

- An R80DV damper is installed between the flex duct and diffuser or register.
- Damper is wired to 24VAC transformer.
- Manual Wall Control, MWC, is installed on the wall and wired to the damper.
- MWC is used to adjust damper position from 100% open to fully closed enabling the occupant to control the airflow into the space.



Wireless Direct Damper Control

- An R80DWL wireless damper is installed between the flex duct and diffuser or register.
- Damper is wired to 24VAC transformer.
- Wireless Thermostat, T200WLD, is installed on the wall and controls the damper by the space temperature and setpoint temperature.
- Or, a Wireless Remote Control, WRCD, can be used to adjust damper position from 100% open to fully closed enabling the occupant to control the airflow.



Wired Direct Damper Control

Model MWC, Manual Wall Control

The Manual Wall Control adjusts airflow from a ceiling diffuser or register to provide optimum comfort when the space is occupied and reduce energy consumption when the space is vacant.

The MWC is wired to the R80DV damper using three low voltage wires.



Model R80DV-XX, Variable Position Damper

The R80DV Variable Position Damper installs between the flex duct and diffuser or register. The damper is controlled by the Manual Wall Control and can adjust airflow from 0% to 100%.

The damper blade is intentionally sized smaller in diameter than the shell to maintain a small amount of airflow when in the closed position. A mechanical close-position stop can be used to maintain some airflow when a large number of dampers are used on one HVAC system. Dampers are powered by 24VAC and use only 2.6VA and require three low voltage wires from the control to the damper.



Available in 6", 7", 8", 9", 10", 12" and 14" Diameters

Wireless Direct Damper Control

Model WRCD, Wireless Remote Control

The Wireless Remote Control, WRCD, controls airflow by wirelessly communicating to an R80DWL damper installed on a ceiling diffuser or register. The WRCD can control one wireless damper or up to 64 different wireless dampers using unique Zone and Address numbers.

The WRCD displays and sets the airflow from 0% to 100% and communicates to the damper to adjust to the set position.



Model R80DWL-XX, Wireless Controlled Damper

The R80DWL Wireless Controlled Damper installs between the ceiling diffuser and the flex drop. The damper is controlled by the Wireless Remote Control, WRCD, or Wireless Thermostat, T200WLD and can adjust airflow from 0% to 100%.

The damper blade is intentionally sized smaller in diameter than the shell to maintain a small amount of airflow when in the closed position. A mechanical close-position stop can be used to maintain some airflow when a large number of dampers are used on one HVAC system. Dampers are powered by 24VAC and use only 2.8VA.

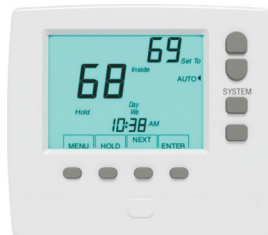


Available in 6", 7", 8", 9", 10", 12" and 14" Diameters

Model T200WLD Wireless Thermostat

The Wireless Thermostat, T200WLD, automatically controls airflow by communicating to an R80DWL damper installed on a ceiling diffuser or register.

The user simply sets the mode in the thermostat to either Heating or Cooling to correspond to the type of call being made by the equipment. The thermostat will adjust the airflow into the space to maintain the temperature. In the Off mode, the airflow defaults to the level set in Options.



Ordering

Direct Damper Controls

Model #	Description	Compatible Damper
WRCD	Wireless Remote Control - Communicates to the R80DWL Damper to control airflow. Battery operated. Table top.	R80DWL-XX
T200WLD	Wireless Thermostat - Communicates to the R80DWL Damper to control airflow. Thermostat automatically controls airflow based on the space temperature, setpoint temperature and the system mode. Battery operated. Wall mounted. 7 Day programmable.	R80DWL-XX
MWC	Manual Wall Control - Communicates to the R80DV Damper to control airflow when the user adjusts the knob. Three low voltage wires connect the wall control to the damper.	R80DV-XX

Model R80DWL, Wireless Controlled Damper Includes A80WLD Actuator. Use with Model WRCD or T200WLD

Model #	Size
R80DWL-06	6" Round Damper, Wireless
R80DWL-07	7" Round Damper, Wireless
R80DWL-08	8" Round Damper, Wireless
R80DWL-09	9" Round Damper, Wireless
R80DWL-10	10" Round Damper, Wireless
R80DWL-12	12" Round Damper, Wireless
R80DWL-14	14" Round Damper, Wireless

Model R80DV, Variable Position Damper Includes A80VP Actuator. Use with Model MWC

Model #	Size
R80DV-06	6" Round Damper, Wired
R80DV-07	7" Round Damper, Wired
R80DV-08	8" Round Damper, Wired
R80DV-09	9" Round Damper, Wired
R80DV-10	10" Round Damper, Wired
R80DV-12	12" Round Damper, Wired
R80DV-14	14" Round Damper, Wired

Prices FOB Laguna Hills, CA.

5-Year Warranty

All products have a 5-year warranty, limited to the repair or replacement of the product due to defective material or workmanship.

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