

MOTORIZED DAMPER



24 OR 120 VOLT
MODELS

AIRFLOW CONTROL ACCESSORY

FOR ZONED CONTROL OF CONDITIONED AND VENTILATION AIRFLOWS

MOTORIZED DAMPER

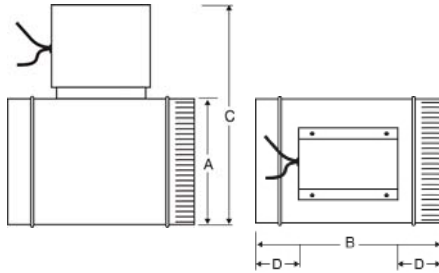
Application Notes

- Normally closed dampers are standard. *Specify normally open dampers as an option.*
- 24 or 120 Volt models available
- 120 Volt models supplied with end switch rated for a 10 amp load. The end switch permits sequencing the operation of a remote fan after damper is opened, enabling use of remote fans to ventilate selectively individual bathrooms, laundry, kitchen, etc.
- Possible controls for use with zoned ventilation systems: Manual spring wound time delay, electronic time delay, cycle timer, programmable timers, occupancy, and humidity sensing switches.

ORDERING INFORMATION

MODEL	VOLTAGE	END SWITCH	DAMPER	DAMPER
			NORMALLY CLOSED	NORMALLY OPENED
MD4"	24 V	No	#23 037	#23 037 NO
MD4"	120 V	Yes	#23 038	#23 038 NO
MD5"	24 V	No	#23 039	#23 039 NO
MD5"	120 V	Yes	#23 043	#23 043 NO
MD6"	24 V	No	#23 040	#23 040 NO
MD6"	120 V	Yes	#23 041	#23 041 NO
MD8"	24 V	No	#23 044	#23 044 NO
MD8"	120 V	Yes	#23 045	#23 045 NO
MD10"	24 V	No	#23 046	#23 046 NO
MD10"	120 V	Yes	#23 047	#23 047 NO
MD12"	24 V	No	#23 048	#23 048 NO
MD12"	120 V	Yes	#23 049	#23 049 NO
MD14"	24 V	No	#23 050	#23 050 NO
MD14"	120 V	Yes	#23 051	#23 051 NO

SPECIFICATIONS



	4"	5"	6"	7"	8"	10"	12"	14"
A	4"	5"	6"	7"	8"	10"	12"	14"
B	4"	5"	6"	7"	8"	10"	12"	14"
C	7"	8"	9"	10"	11"	13"	15"	17"
D	1.38"	1.38"	1.38"	1.88"	2.38"	3.38"	4.38"	5.5"

24 and 120 VAC Round Damper Wiring Instructions

Important: Always wire according to local codes.

Damper Wiring Identification

Black leads: 24 or 120 volt input

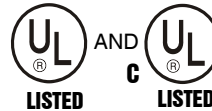
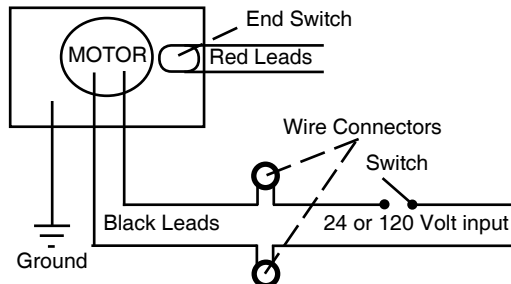
Green lead: Ground

Red leads: (If equipped with end switch) 24 or 120 volt, 10 amps

To Remove/Install Motor Cover (120 V only)

A. To remove cover, press in and lift up on end of motor cover with wire hole.

B. To install motor cover, place tab on solid end of cover into small slot in motor mount, swing cover over motor and slip second tab into larger slot.



Flow Control Adjustment

MINIMUM FLOW ADJUSTMENT

Minimum airflow can be set by loosening the bolt on the shaft and turning the damper from the fully closed position to leave a gap between the gasket and the damper blade. Retighten the bolt with the damper at the desired opening.

MAXIMUM FLOW ADJUSTMENT

(Available only on models without end switch) Maximum airflow can be set by loosening the flow control adjustment bolt. When set, this bolt acts as a stop, limiting the opening of the damper blade. It is preset at the factory to open fully. To adjust, loosen the bolt lock nut, turn the adjusting bolt to the desired setting, and retighten the bolt lock nut. Activate the motor after each adjustment to properly reset the motor and damper blade.

AMERICAN
aldes
VENTILATION CORPORATION

4521 19th Street Court E., Suite 104, Bradenton, FL 34203, USA

P: 941-351-3441 - F: 941-351-3442

<http://www.americanaldes.com> ~ www.ventzone.com

info@aldes-us.com

IAQ
VENTILATION
HOTLINE
800-255-7749

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