Spring Return Damper Motor Actuator
Model MSS

The spring return damper motor actuator is designed to operate automatic air control dampers.

This actuator features a synchronous hysteresis motor designed for long life with unique "lost motion" drive to protect the gear train from closing shock. THE MSS has been cycle tested to over 200,000 cycles. The MSS has been specifilcally designed for silent operation. Many spring return motors have a loud gear noise and damper spring returns to its normal position. The MSS have a patented design air brake slowing the spring return motion to eliminate the noise.

This motor is made for easy replacement and includes a hex wrench used to loosen the set screw of the old motor and to tighten the new motor. The MSR has an easy slip-on cover for wiring that secures tightly with a screw. The wiring connections are made with wire nuts to wire leads and pass thru the plastic strain relief grommet.

The MSS replaces the RDMA, RDMH, RDMZ and MSR models previously used on the ZD and RDS dampers.

SPECIFICATIONS

Electrical Rating				6.5 Watts, 7VA	
Motor Voltage				24 Volts A.C. 50/60 Hz	
Output	Direct Drive			15/16 in. Deep Coupler for 15/16 shaft.	
		0°	45°	84°	Stroke Speed
Torque Rating	Motor Driven	55 in.oz.	45 in.oz.	35 in. oz.	27 Seconds
	Spring Return	35 in. oz.	45 in. oz.	55 in. oz.	8 Seconds
Temperature Limits				180°F (49°C) Ambient	
Shipping Weight				1.5 lbs. (680G)	

The above specifications are nominal and conform to generally acceptable industry standards. ZONEFIRST is not responsible for damages resulting from misapplication or misuse of its products.

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