

MD10 SR

The MD10 SR is a compact spring return damper actuator for the operation of ventilation dampers up to 2m² in building service installations



Specification

Motor Torque	Min. 10Nm @ Nominal Voltage
Spring Return	Min. 10Nm
Running Time, Motor	
Modulating	≤150 s
On/off	≤75 s
Spring Return	≤20 s
Control Signal, modulating	
Range of Operation (X)	2...10 Vdc
Input Resistance	100 kΩ
Position Feedback (Y)	2...10 Vdc, max. 0.5mA
Position accuracy	+/- 5%
Cable Size	1m
-24M,	4 x 0.75 mm ²
-T, -24T	2 x 0.75 mm ²
S2 versions	2+6 x 0.75 mm ²
Direction of Rotation	
Motor	Reversible with Switch I/O
Spring return	via mounting orientation, L / R
Manual Override	5mm Hex key crank, supplied plus interlocking switch

Adjustable angle of rotation	0...Max 95°
Position indication	Mechanical
Protection Class	
24 V versions	III Extra low Voltage
230 V Versions	II Totally insulated
Degree of Protection	IP54
Ambient Humidity	95% r.h. Non condensing
Environmental	
Operation Temperature	-30°C...+ 50°C
Storage (non operation)	-40°C...+ 80°C
Sound power level	
Motor	≤40 dB (mod.) 45dB (on/off)
Spring return	≤62 dB
Service Life	Min.60,000 emergency positions
Maintenance	Maintenance free
Weight	2.1Kg

Part number	Type Designation	Torque Nm	Power Supply	Power Consumption			Control Signal
				In Operation	At Rest	For wire sizing	
MD10SR-T	MD10 SR-24/230T 1M54 00	10	24...240 Vac / 24...125 Vdc	6W	2.5W	9.5VA	On/Off
MD10SR-TS	MD10 SR-24/230FTS 1M54 00	10	24...240 Vac / 24...125 Vdc	6W	2.5W	9.5VA	On/Off
MD10SR-24T	MD10 SR-24T 1M54 00	10	24 Vac/Vdc	6W	2.5W	8.5VA	On/Off
MD10SR-24TS	MD10 SR-24TS 1M54 00	10	24 Vac/Vdc	6W	2.5W	8.5VA	On/Off
MD10SR-24M	MD10 SR-24M 1M54 00	10	24 Vac/Vdc	3.5W	2.5W	5.5VA	2...10 V Mod.

For damper actuator accessories see page 78.

Spindle Clamp

Damper Spindle Attachment		Spindle Length	Spindle Diameter	Spindle Diameter	Spindle Diameter
			●	■	◆
Clamp on Top	With Insert	≥85 mm	10...22 mm	10 mm	14...25.4 mm
	Without Insert		19...25.4 mm	12...18 mm	
Clamp on Bottom	With Insert	≥15 mm	10...22 mm	10 mm	14...25.4 mm
	Without Insert		12...18 mm	19...25.4 mm	