

SD & SDX SERIES

200 & 300 IN-LBS, NEMA 4



The SD & SDX are specifically designed for valve sizes from 3/4" to 2" and dampers that do not exceed the rated torque of the actuator.

SPECIFICATIONS:

TORQUE	SD	200 In-Lb (22.6 Nm)
	SDX	300 In-Lb (33.9 Nm)
CYCLE TIME	5 Sec./90	12Vdc, 24Vdc, 24Vac, 115Vac & 230Vac
	9 Sec./90	24Vdc (alternative)
	10 Sec./90	115Vac extended duty motor (75%)
DUTY CYCLE	25% standard on 115Vac and 230Vac	
	75% optional on 115Vac extended duty motor	
	100% standard on 12Vdc, 24Vdc and 24Vac	

MOTOR Permanent split capacitor (for AC) with thermal overload protection

CURRENT RATINGS FL= Full Load, LR= Lock Rotor

115VAC (Std.)		24VAC		24VDC		12VDC		208VAC/1PH/60HZ		230VAC/1PH/60HZ	
FL	LR	FL	LR	FL	LR	FL	LR	FL	LR	FL	LR
0.38	0.75	0.70	3.20	0.70	3.20	1.30	4.20	0.28	0.35	0.25	0.35

The motor's LR amps must be taken into account when sizing the input power supply and fuses. Slow blow fuses are recommended

CERTIFICATIONS	CSA	Master Contract 178618
CANADIAN	CSA C22.2 No. 139-10 Electrically Operated Valves 3rd Edition, Class 3221 02 - Valves – General Purpose Actuators	
UNITED STATES	UL 429 Electrically Operated Valves 7th Edition, Class 3221 82 - Valves – Actuators General Purpose Actuators certified to US Standards	
CERTIFIED VOLTAGES	12Vdc, 24Vdc & 115Vac	
CERTIFIED TEMP.	-4F (-20C) to 104F (40C)	
CERTIFIED OPTIONS	Motor brake, spring friction brake, one auxiliary switch and two auxiliary switches (For complete list of options, see option grid in catalog page 40)	

COATING Thermally bonded polyester powder

INDICATOR Visual Dome style
Electric Feedback from limit switches, same as operating voltage

SWITCHES Snap action SPDT, 15A @ 250Vac

LUBRICATION Grease Permanent, little or no maintenance required

WEIGHT 10 lb (4.54 kg)

MOUNTING Universal



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MOUNTING PAD	ISO 5211 F03, F05 & F07 with 14mm star drive
TEMPERATURE	-40F (-40C) to 150F (65.6C), heater & thermostat required 0F and below Optional double heater for application down to -76F (-60C)
OVERRIDE	Manual, non-declutching Declutching manual override optional DC voltage and 75% duty cycle motor must be declutching

TECHNICAL DRAWING:

