

# 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% standard on 12Vdc, 24Vdc and 24Vac, optional on 115Vac extended duty motor	
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	
APPROVED VOLTAGES	12Vdc, 24Vdc & 115Vac	
APPROVED TEMP.	-4F (-20C) to 104F (40C)	
APPROVED OPTIONS	Motor brake, spring friction brake, one auxiliary switch and two auxiliary switches (For complete list of options, see option grid in catalog page 33)	
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	Pound	10 (lb)
	Kilogram	4.54 (kg)
MOUNTING	Universal	
MOUNTING PAD	ISO 5211 F03, F05 & F07 with 14mm star drive	



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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:

