

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 |
| | 11 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

| 115 Vac (Std.) | | 115 Vac Extended Duty | | 24 Vac | | 24 Vdc | | 12 Vdc | | 208 Vac/1Ph/60Hz | | 230 Vac/1Ph/60Hz | |
|----------------|------|-----------------------|------|--------|------|--------|------|--------|------|------------------|------|------------------|------|
| FL | LR | FL | LR | FL | LR | FL | LR | FL | LR | FL | LR | FL | LR |
| 0.38 | 0.75 | 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

| | | |
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| CERTIFICATIONS | CSA | Master Contract 178618 |
| CANADIAN | CSA C22.2 No. 139-10 Electrically Operated Valves 3 rd 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 up to -76F (-60C)

OVERRIDE Manual, non-declutching
Declutching manual override optional
DC voltage and 75% duty cycle motor must be declutching

