



SNS-2000 & 2800



SAFE & SECURE SERIES ACTUATOR WITH BATTERY BACKUP, NEMA 4 AND/OR 7

The Safe & Secure Series is a compact powerful solution for critical applications. Equipped with an internal battery this unit is field adjustable to fail closed or fail open, always leaving you in control during sudden loss of utility power and/or control signal.

SPECIFICATIONS:

TORQUE	SNS20	2000 In-Lb (226 Nm)
	SNS28	2800 In-Lb (317 Nm)
CYCLE TIME	SNS20	12sec. / 90°
	SNS28	14 sec. / 90°
DUTY CYCLE	100%	
MOTOR	Brush type 12Vdc (for all input voltages)	



CURRENT RATINGS FL= Full Load, LR= Lock Rotor

	12 Vdc		24 Vac/Vdc		115 Vac		230 Vac	
	FL	LR	FL	LR	FL	LR	FL	LR
SNS20	5.50	48.00	2.75	24.00	0.60	5.00	0.30	2.50
SNS28	9.00	48.00	4.50	24.00	1.00	5.00	0.50	2.50

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

BATTERY 12 Volt 0.8 Ahr, Rechargeable Sealed Lead Acid Battery, Minimum 4 Years Life in Stand-By Use at 68°F

RUN TIMES/CYCLES	Max. Torque	Time to complete 90° rotation (in sec.)	# of Cycles	Total Run Time (in min.)
SNS20	2000	12	1	N/A
SNS28	2800	14	1	N/A

Testing was done at the maximum torque for each valve. If the torque is less than the maximum, the run time/cycles will increase. All cycles are based on - 90° motion, 5 minute delay, then repeat

CHARGER Trickle charger drawing 1 to 1.3A during battery recharge and 50mA to maintain to full charge

CERTIFICATIONS None - General Purpose Actuators
Designed to meet NEMA 4 Standards with optional NEMA enclosure types 4X, 9 and 7 available.

COATING Thermally bonded polyester powder

POSITION INDICATOR Visual Dome Indicator
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 40 (lb)
Kilogram 18.1 (kg)

SPECIFICATIONS (CONTINUED):

MOUNTING	Universal
MOUNTING PAD	ISO 5211 F07 bolt circle & 4.242" bolt circle with 0.87" Male Double "D" Drive ISO 5211 F07 & F10 with 22mm Square Female Drive, Optional
TEMPERATURE	-40F (-40C) to 150F (65.6C), heater & thermostat required 0F and below Optional double heater for application up to -76F (-60C)
OVERRIDE	Manual, Declutching Hand Wheel

