

SNS-400 TO 1500

SAFE & SECURE SERIES ACTUATOR WITH BATTERY BACKUP NEMA 4, 4X 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, fail open, or continue standard operations, always leaving you in control during sudden loss of utility power and/or control signal.

SPECIFICATIONS:

TORQUE	SNS4	400 In-Lb (45.2 Nm)
	SNS6	675 In-Lb (76.3 Nm)
	SNS10	1,000 In-Lb (113 Nm)
	SNS15	1,500 In-Lb (169.5 Nm)
CYCLE TIME	SNS4	10 sec. / 90° OPTIONAL: 23 sec. / 90°
	SNS6/10	15 sec. / 90° OPTIONAL: 47 sec. / 90°
	SNS15	30 sec. / 90° OPTIONAL: 75 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
SNS4	1.65	4.20	0.83	2.10	0.20	0.44	0.09	0.22
SNS6	1.50	4.20	0.75	2.10	0.16	0.44	0.08	0.22
SNS10	2.20	4.20	1.10	2.10	0.23	0.44	0.12	0.22
SNS15	2.30	4.20	1.15	2.10	0.24	0.44	0.12	0.22

The motor's LR amps must be considered when sizing input power supply and fuses. Slow blow fuses recommended

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

RUN TIMES/CYCLES	Max. Torque	Seconds / 90° Rotation		# of Cycles		Total Run Time (in min.)
		Std. Motor	Optional	Std. Motor	Optional	
SNS4	400	9	23	30	11	150
SNS6	675	15	47	30	9	150
SNS10	1000	18	47	6	2	30
SNS15	1500	30	75	5	2	25

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

SPECIFICATIONS (CONTINUED):

POSITION INDICATOR	Visual	Dome Indicator		
SWITCHES	Snap action	SPDT, 15A @ 250Vac		
LUBRICATION	Grease	Permanent / No Maintenance Required		
WEIGHT	Pound	22 (lb)	Kilogram	10 (kg)
MOUNTING	Universal			
MOUNTING PAD	ISO 5211 F07 & F10 with 17mm star drive			
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			

