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SERIES

Spring Return Fail-safe

Electric Valve Actuators

(2020 type)

SUNYEH

Electrical Data

SUN YEH ELECTRICAL IND. CO., LTD.

Content

1. S-500 to 3600, ON/OFF & Floating Control, 1PH, 30% & 50% duty cycle

1.1 24VAC/DC, ON/OFF Control

50% duty cycle for-30℃ to +40℃ / -40℃ to +40℃ (optional)

30% duty cycle for 41℃ to 65℃

Model	Torque		Motor Power	Power Consumption DC / 60 / 50 Hz	Running Current DC / 60 / 50 Hz	Running Time DC / 60 / 50 Hz	Return Time	Lock Current DC / 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Sec / 90˚	Amp
S-500	50	445	50	90 / 100 / 100	3.5 / 4.2 / 4.3	8 / 8 / 8	5	25.6 / 25.6 / 25.6
S-1300	130	1150	130	170 / 180 / 180	6.9 / 8.2 / 8.4	8 / 8 / 8	4	85.0 / 85.0 / 85.0
S-2000	200	1770	130	210 / 220 / 220	8.6 / 10.0 / 10.0	13 / 13 / 13	4	85.0 / 85.0 / 85.0
S-2600	260	2300	130	210 / 220 / 220	8.6 / 10.0 / 10.0	16 / 16 / 16	4	85.0 / 85.0 / 85.0
S-3600	360	3185	130	210 / 220 / 230	8.6 / 10.3 / 10.4	24 / 24 / 23	8	85.0 / 85.0 / 85.0

- The actuator will be protected by 15 Amp. fuse on the PCB.
- The running current is measured at max. torque.

1.2 110-120VAC, ON/OFF Control

50% duty cycle for-30℃ to +40℃ / -40℃ to +40℃ (optional)

30% duty cycle for 41℃ to 65℃

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Return Time	Lock Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Sec / 90˚	Amp
S-500	50	445	50	150 / 150	1.3 / 1.7	8 / 9	3	3.1 / 3.4
S-1300	130	1150	130	420 / 290	4.0 / 2.5	8 / 9	10	4.9 / 4.9
S-2000	200	1770	130	400 / 290	3.7 / 2.5	13 / 15	15	4.9 / 4.9
S-2600	260	2300	130	400 / 290	3.7 / 2.5	15 / 18	19	4.9 / 4.9
S-3600	360	3185	130	280 / 240	2.4 / 2.2	22 / 27	24	5.2 / 5.4

- The actuator will be protected by 5 Amp. fuse on the PCB.
- The running current is measured at max. torque.

1.3 110-120VAC, Floating Control

50% duty cycle for-30℃ to +40℃ / -40℃ to +40℃ (optional)

30% duty cycle for 41℃ to 65℃

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Return Time	Lock Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Sec / 90˚	Amp
S-500	50	445	50	150 / 150	1.3 / 1.7	8 / 9	3	3.1 / 3.4
S-1300	130	1150	130	420 / 290	4.0 / 2.5	8 / 9	10	4.9 / 4.9
S-2000	200	1770	130	400 / 290	3.7 / 2.5	13 / 15	15	4.9 / 4.9
S-2600	260	2300	130	400 / 290	3.7 / 2.5	15 / 18	19	4.9 / 4.9

- The actuator will be protected by 10 Amp. fuse on the PCB.
- The running current is measured at max. torque.

1.4 220-240VAC, ON/OFF Control

50% duty cycle for-30℃ to +40℃ / -40℃ to +40℃ (optional)

30% duty cycle for 41℃ to 65℃

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Return Time	Lock Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Sec / 90˚	Amp
S-500	50	445	50	170 / 170	0.7 / 0.6	8 / 9	3	1.1 / 1.2
S-1300	130	1150	130	430 / 320	2.0 / 1.4	8 / 9	10	2.4 / 2.4
S-2000	200	1770	130	430 / 320	2.0 / 1.4	13 / 15	15	2.4 / 2.4
S-2600	260	2300	130	430 / 320	2.0 / 1.4	15 / 18	19	2.4 / 2.4
S-3600	360	3185	130	260 / 240	1.1 / 1.0	22 / 27	23	2.4 / 2.5

- The actuator will be protected by 5 Amp. fuse on the PCB.
- The running current is measured at max. torque.

1.5 220-240VAC, Floating Control

50% duty cycle for-30℃ to +40℃ / -40℃ to +40℃ (optional)

30% duty cycle for 41℃ to 65℃

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Return Time	Lock Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Sec / 90˚	Amp
S-500	50	445	50	170 / 170	0.7 / 0.6	8 / 9	3	1.1 / 1.2
S-1300	130	1150	130	430 / 320	2.0 / 1.4	8 / 9	10	2.4 / 2.4
S-2000	200	1770	130	430 / 320	2.0 / 1.4	13 / 15	15	2.4 / 2.4
S-2600	260	2300	130	430 / 320	2.0 / 1.4	15 / 18	19	2.4 / 2.4

- The actuator will be protected by 10 Amp. fuse on the PCB.
- The running current is measured at max. torque.

2. S-500 to 2600, Modulating Control, 1PH, 30% & 50% duty cycle

2.1 110-120VAC, Modulating Control

50% duty cycle for - 20℃ to + 40℃

30% duty cycle for + 41℃ to + 65℃

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Return Time	Lock Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Sec / 90˚	Amp
S-500	50	445	50	150 / 150	1.3 / 1.7	8 / 9	3	3.1 / 3.4
S-1300	130	1150	130	420 / 290	4.0 / 2.5	8 / 9	10	4.9 / 4.9
S-2000	200	1770	130	400 / 290	3.7 / 2.5	13 / 15	15	4.9 / 4.9
S-2600	260	2300	130	400 / 290	3.7 / 2.5	15 / 18	19	4.9 / 4.9

- The actuator will be protected by 5 Amp. fuse on the PCB.
- The running current is measured at max. torque.

2.2 220-240VAC, Modulating Control

50% duty cycle for - 20℃ to + 40℃

30% duty cycle for + 41℃ to + 65℃

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Return Time	Lock Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Sec / 90˚	Amp
S-500	50	445	50	170 / 170	0.7 / 0.6	8 / 9	3	1.1 / 1.2
S-1300	130	1150	130	430 / 320	2.0 / 1.4	8 / 9	10	2.4 / 2.4
S-2000	200	1770	130	430 / 320	2.0 / 1.4	13 / 15	15	2.4 / 2.4
S-2600	260	2300	130	430 / 320	2.0 / 1.4	15 / 18	19	2.4 / 2.4

- The actuator will be protected by 5 Amp. fuse on the PCB.
- The running current is measured at max. torque.

3. S-500 to 2600, 3PH

3.1 220-240VAC, ON/OFF Control

50% duty cycle for -30℃ to +40℃ / -40℃ to +40℃ (optional)

30% duty cycle for 41℃ to 65℃

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Return Time	Lock Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Sec / 90˚	Amp
S-500	50	445	50	140 / 140	0.5 / 0.6	8 / 9	5	1.1 / 1.1
S-1300	130	1150	130	250 / 240	0.8 / 0.9	8 / 9	7	2.1 / 2.1
S-2000	200	1770	130	260 / 260	0.8 / 0.9	13 / 15	11	2.1 / 2.1
S-2600	260	2300	130	260 / 260	0.8 / 0.9	17 / 20	14	2.1 / 2.1

- The actuator will be protected by 5 Amp. fuse on the PCB.
- The running current is measured at max. torque.

3.2 380-415VAC, ON/OFF Control

50% duty cycle for -30℃ to +40℃ / -40℃ to +40℃ (optional)

30% duty cycle for 41℃ to 65℃

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Return Time	Lock Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Sec / 90˚	Amp
S-500	50	445	50	140 / 160	0.3 / 0.4	8 / 9	5	0.7 / 0.7
S-1300	130	1150	130	260 / 220	0.5 / 0.5	8 / 9	8	1.2 / 1.3
S-2000	200	1770	130	290 / 300	0.5 / 0.6	13 / 15	13	1.2 / 1.3
S-2600	260	2300	130	290 / 290	0.5 / 0.6	17 / 19	16	1.2 / 1.3

- The actuator will be protected by 5 Amp. fuse on the PCB.
- The running current is measured at max. torque.

3.3 440-480VAC, ON/OFF Control

50% duty cycle for -30℃ to +40℃ / -40℃ to +40℃ (optional)

30% duty cycle for 41℃ to 65℃

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Return Time	Lock Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Sec / 90˚	Amp
S-500	50	445	50	120 / 150	0.2 / 0.3	8 / 9	5	0.4 / 0.5
S-1300	130	1150	130	260 / 250	0.5 / 0.6	8 / 9	8	1.4 / 1.5
S-2000	200	1770	130	350 / 340	0.6 / 0.7	12 / 15	13	1.4 / 1.5
S-2600	260	2300	130	340 / 340	0.6 / 0.7	16 / 19	16	1.4 / 1.5

- The actuator will be protected by 5 Amp. fuse on the PCB.
- The running current is measured at max. torque.

SUNYEH

SUN YEH ELECTRICAL IND. CO.,LTD.

No.68, Ln. 854, Sec. 1, Shatian Rd., Dadu Dist.,
Taichung City 432, Taiwan
Tel: +886-4-26985666 Fax: +886-4-26983668
E-mail: service@sunyeh.com

www.sunyeh.com