



Craig Kackert
**Design
 Tech., Inc.**
 805-522-3750 USA

LINEAR ACTUATORS with Limit Switches

SW-Series 2" 4", and 6" stroke 25 to 150 lbf loads



Applications

- Open & close
- R.P.V.s
- Special effects
- Remote motion
- Robotics

Features

- Low cost models
- Long life motor options
- Speeds up to 3"/sec
- Compact sizes

General

These compact and rugged actuators provide consistent performance in harsh environments. All SW-series actuators are offered in 2", 4", or 6" strokes with Limit Switches at end of strokes. (Non adjustable.) The SW10-Series are low cost actuators that come in 25, 40 or 75 lb. Loads, and 12 or 24 vdc motors. The W70-Series actuators have long life high performance DC core-less motors, that provides up to 150 lb loads.

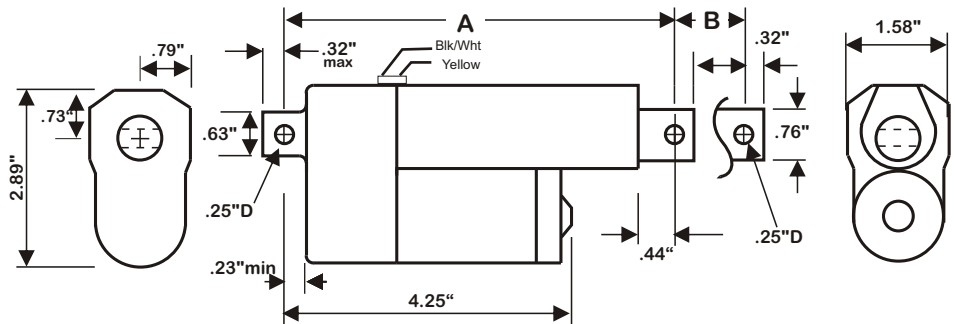
Specifications

Stroke	2", 4", or 6".
Drive	Acme screw
End play	<0.010in
Static load	300 lb
Restraining torque	20 in lb
Housing	Al./zink (96hr salt spray)
Mounting	Clevis 1/4" dia

	W10-SERIES	W70-SERIES
Test Voltage	13.5vdc@ 6 amps 26vdc@ 3 amps	26 vdc@ 6 amps 20 amp peak@ 5ms
Motor fuse	Thermal auto reset	None
Motor temp.	-10°C to 65° C	-20° C to 120° C
Duty cycle	30%	50%
Load/speed	25 lb @ 3"/sec 40 lb @ 1.5"/sec 75 lb @ 1"/sec	100 lb @ 1.5"/sec 150 lb @ 1.0"/sec

Operation:
 To retract actuator, connect wht/blk lead to positive and the yellow lead to negative. Reverse polarity to extend. Use a double pole double throw switch.

Caution:
 To protect wiring externally fuse each actuator. Use a 6 amp fuse for 12 volt units and a 3 amp fuse for 24 volt units.



Ordering Information

Series	DC voltage	Load lb.	Stroke
10			2
70			4
90			6
SW	-	-	-

SW-SERIES	A = IN	B = STROKE	WEIGHT
2" stroke	6.26	1.83	26oz
4" stroke	8.26	3.83	28oz
6" stroke	10.26	5.83	30oz

Cycle life of actuator could vary depending on operating conditions. Tolerances are ± 5%.
 Not intended for medical use. Specification may change without notice. Rated load @ 50% duty cycle.

7-26-07