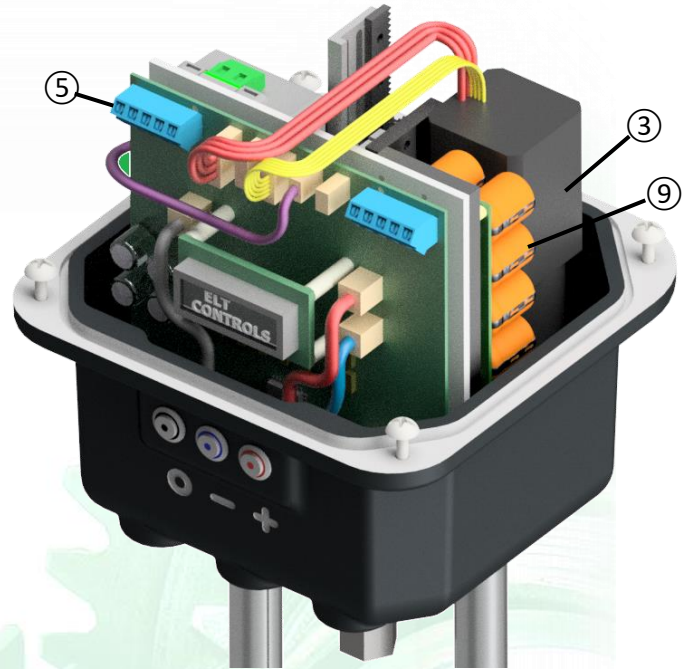
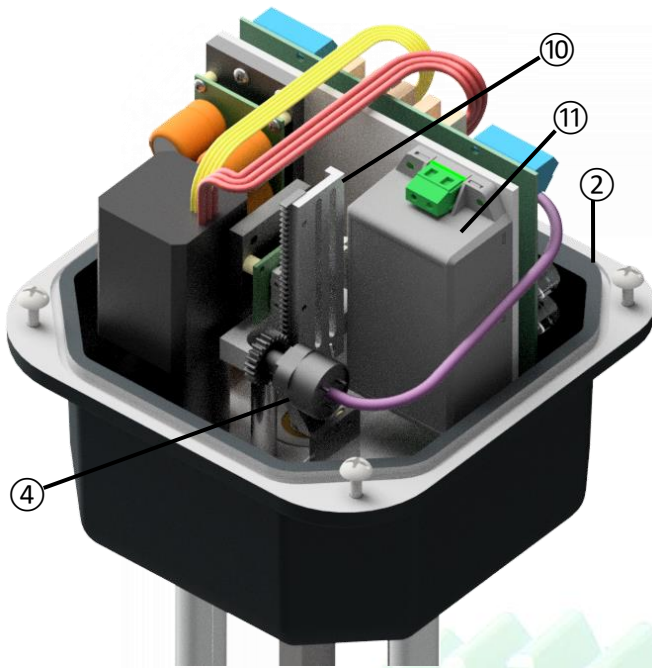


The EL Series Electric Linear Actuator is an intelligent industrial solution for precise control valve modulation with a microcontroller based design. This actuator series is designed and built to handle continuous operation applications and rugged enough to handle many different environments. This design also includes a front panel with LCD display and local push buttons for easy configuration, control, and diagnostics.

Features & Capabilities

- NEMA 4/4X Industrial Aluminum Enclosure
- All Metal Drive Train
- Brushless DC Motor for Extended Life
- Position Accuracy is less than 1% of full stroke
- Heavy Duty Thrust Bearings for High Capacity
- Fast Acting for Semi-Instantaneous Response
- Integrated Control Interface for Setup / Diagnostics
- 4-20mA or 0-10V Analog Input Signal
- On / Off Binary Inputs
- Ambient Temperature Range: 0 - 140°F / -20 - 60°C
- Analog Feedback for remote positioning data
- Precision control for accurate positioning
- Valve Configuration w/ Automatic Calibration
- Multiple Power Supply Options
- Self Diagnostics
- Misalignment Stem Coupling Adapter





Highlights

- 1) Aluminum NEMA 4/4X Case
- 2) O-Ring Seals for Water Tight Enclosure
- 3) Brushless DC Gear Motor
- 4) Precision Hall Effect Rotary Position Sensor
- 5) Terminal Block for Electrical Connections
- 6) LCD Display Screen
- 7) Pushbuttons for Control Setup
- 8) LED's for Status and Diagnostics
- 9) Super Capacitor Backup Power Supply
- 10) Auxiliary Position Limit Switches
- 11) Power Supply Transformer for 115-230VAC
- 12) Manual Hand Wheel w/ Disengagement Switch
- 13) Electrical 1/2" NPT Conduit Connections
- 14) Captive Stainless Steel Case Screws
- 15) Misalignment Stem Adapter

Integrated Control Interface



Main LCD Display with 3 Control Push Buttons for Easy Configuration

Functionality:

- Ability to Display Position Data
- Configure Actuator Settings
- Diagnostic Data Display
- Manual Control Mode
- Valve Sync Mode

Advantages:

- Bright & Easy to Read LCD Display
- User Friendly Menu Programming
- Self Contained / Field Configurable
- No Extra Equipment Required
- Easy to Troubleshoot

Auto **Valve Sync** Feature automatically configures the actuator to the valve based on the program settings.

Specifications

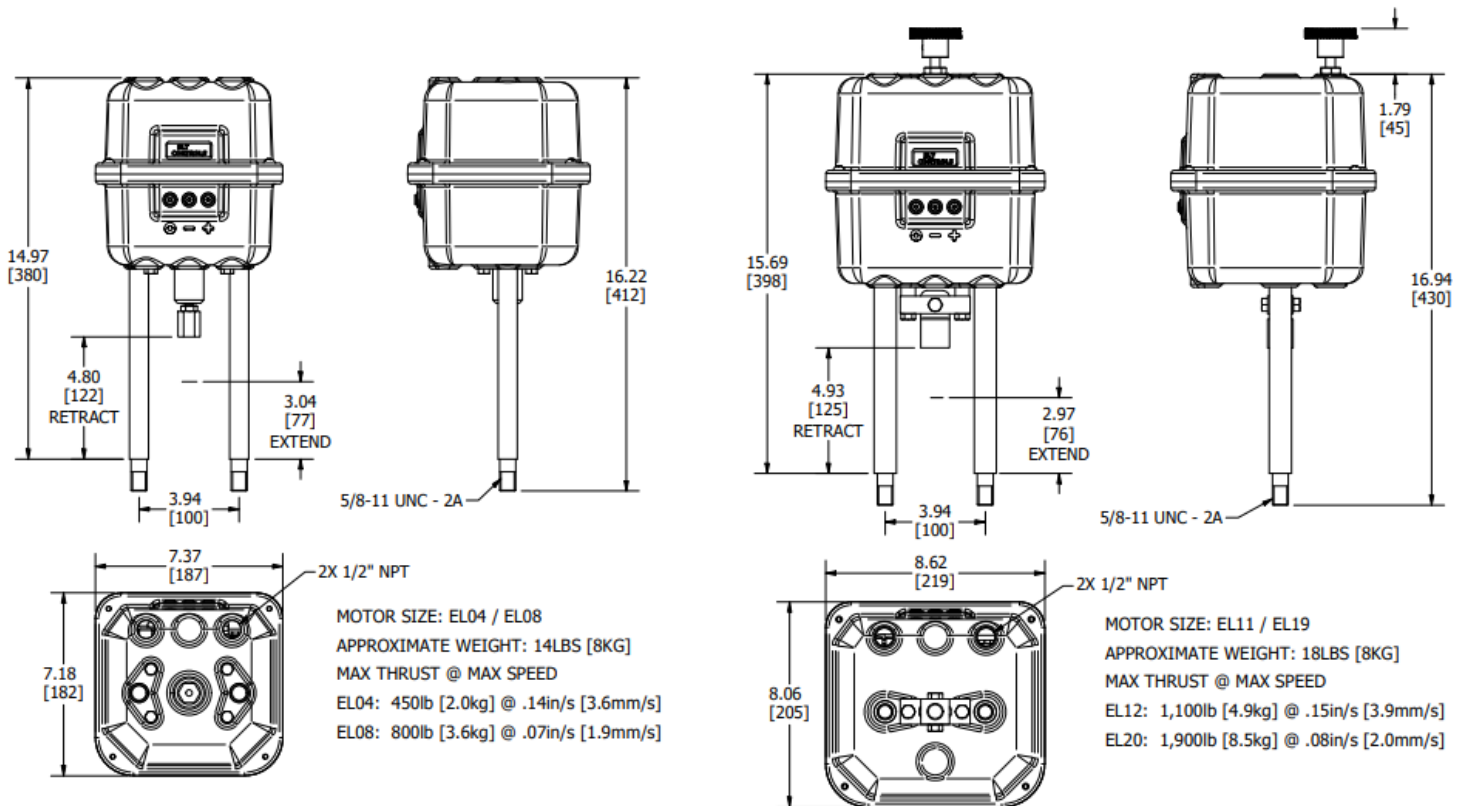
E Linear Series	Motor Size / Thrust		Voltage		Manual Hand Wheel		Heater Element		Limit Switches		Additional Options	
	Code	(lbs)	Code		Code		Code		Code		Code	
EL	04	450	0	24VAC/DC	0	No	0	No	00	None	00	None
	08	800										
	11	1,100	T	115-230VAC	M	Yes	H	Yes	L	Yes		
	19	1,950										

Example: EL11T-00L-00 is capable of 450lbs thrust, with a Transformer & Limit Switches

Motor Size	Max Thrust		Max Speed		Max Time (s) for 1in/25mm Stroke	Max Stroke	Power (W)	Max Current (A)		
	lbs	kN	in/sec	mm/sec				24v	115VAC	230VAC
04	450	2.00	0.14	3.6	7	1.96in 50mm	26	1.9	0.4	0.2
08	800	3.56	0.07	1.9	13					
11	1,100	4.89	0.15	3.9	7		62	3.8	0.8	0.4
19	1,900	8.45	0.08	2.0	13					

Consult factory for larger thrust capacities or different configurations

Dimensions



Optional Accessories

- **Transformer** - Used when power supply voltages are 80-305VAC 50-60Hz.
- **Fail Safe Super Capacitor Bank** – Backup power supply available in the event of power loss. Programmable to have the valve fail close, open or to a desired position.
- **Manual Hand Wheel** – Manually adjust the position of the actuator. Actuator operation is suspended while the hand wheel is engaged.
- **Two Position Limit Switches** – 3A @ 250VAC contacts to provide remote on/off position feedback
- **Heater Element** - Reduce condensation in cold ambient conditions