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Linear actuators to meet your specific requirements

Warner Linear is a full line of standard electric actuators, each specifically designed to meet the needs of light-duty, general-duty, or rugged-duty applications. All are engineered for maintenance-free, long-life service, providing maximum value for our customers.



Scan to watch!
Linear Actuator Basic Selection Video
<https://p.widencdn.net/ydtpk6>

QUICK SELECTION GUIDE		
Light Duty	General Duty	Rugged Duty
		
M-Track 1 Compact, completely self-contained and sealed to allow for use in small spaces without sacrificing power or capability.	B-Track K2vl Intended for severe service requirements and loads up to 600 lbs. (2669 N) Lowest priced model in the B-Track family.	B-Track K2 Uses a patented straight line load transfer offering high load capability in a small package size. Bronze or Delrin® nut options high impact load applications up to 1,500 lbs. (6672 N).
IP69K Static IP65 Dynamic	IP69K Static IP66 Dynamic	IP69K Static IP65 Dynamic
Drive Type: Acme Screw	Drive Type: Hybrid Acme	Drive Type: Hybrid Acme
Load Capacity & Speed lbs. @ in./sec. (N@mm/sec) 25 @ 1.75 (111@45) 50 @ 0.80 (222@20) 100 @ 0.45 (445@11) 165 @ 0.25 (734@6)	Load Capacity & Speed lbs. @ in./sec. (N@mm/sec) 200 @ 2.0 (890 @ 50) 300 @ 1.0 (1334 @ 25) 600 @ 0.5 (2669 @ 12)	Load Capacity & Speed lbs. @ in./sec. (N@mm/sec) 300 @ 2.0 (1334 @ 50) 600 @ 1.0 (2669 @ 25) 1200 @ 0.5 (5338 @ 12) 1500 @ 0.35 (6672 @ 9)
Stand. Stroke Length in. (mm) 2, 4, 6, 8, 10, 12 (50, 100, 150, 200, 254, 300)	Stand. Stroke Length in. (mm) 2 to 12 in 2" increments (50 to 300 in 50 mm increments)	Stand. Stroke Length in. (mm) 2 to 24 in 2" increments (50 to 600 in 50 mm increments)
Input Voltage (vdc): 12, 24	Input Voltage (vdc): 12, 24	Input Voltage (vdc): 12, 24, 36, 48, 90
Typical Applications: <ul style="list-style-type: none"> • Throttle Control • Air Vent Opening • Remote Window Operation • Remote Mirror Positioning • Gate Opening • Shutter Control 	Typical Applications: <ul style="list-style-type: none"> • Fertilizer Gate Control • Mower Decks • Gate Openers • Scooter & Cycle Lifts • Pull Behind Implement Lifts 	Typical Applications: <ul style="list-style-type: none"> • Residential Mower Decks • Gate & Valve Operation • Snow Blowers • Spouts & Chutes • Engine Lifts • Tables • Wagon Lifts • Combine Concaves
Pg 6-12	Pg 16-19	Pg 20-23

Contents Quick Selection Guide



Actuator Controls

Simple extend/retract switch boxes

- SBC-DC
- SBC-AC

Pg. 48-62

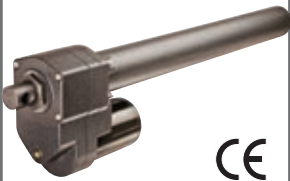


Basic controls and digital electronic options

- Adjustable stroke limits
- Fixed electronic stroke limits – ESL
- QS Quick Stop bi-directional current limit control
- Position feedback options – potentiometer or digital outputs

(available for special needs)

- Signal Follower Function
- Programming pendant
- Adjustable position and current limit options
- Remote mounting capable

Microprocessor based controls

		
B-Track K2x Completely sealed, designed for tough, high load applications. Able to perform in harsh environments providing years of trouble-free service.	B-Track K2Ac Uses a patented straight line load transfer offering high load capability in a small package size. Bronze or Delrin® nut options for high impact load applications up to 1,100 lbs. (4893 N).	B-Track K2xAc Completely sealed, designed for tough, high load applications. Able to perform in harsh environments providing years of trouble-free service.
IP69K Static IP65 Dynamic	IP54	IP54
Drive Type: Ball Screw & Ball Nut	Drive Type: Hybrid Acme	Drive Type: Ball Screw & Ball Nut
Load Capacity & Speed lbs. @ in./sec. (N@mm/sec) 600 @ 2.0 (2669 @ 50) 1200 @ 1.0 (5338 @ 25) 2200 @ 0.5 (9786 @ 12) 2800 @ 0.25 (12455 @ 6)	Load Capacity & Speed lbs. @ in./sec. (N@mm/sec) 500 @ 1.0 (2224 @ 25) 750 @ 0.50 (3336 @ 12) 1100 @ 0.33 (4893 @ 0.4)	Load Capacity & Speed lbs. @ in./sec. (N@mm/sec) 500 @ 2.0 (2224 @ 50) 1000 @ 1.0 (4448 @ 25) 1500 @ 0.5 (6672 @ 12) 2000 @ 0.33 (8900 @ 8)
Stand. Stroke Length in. (mm) 2 to 24 in 2" increments (50 to 600 in 50 mm increments)	Stand. Stroke Length in. (mm) 4 to 24 in 2" increments (100 to 600 in 50 mm increments)	Stand. Stroke Length in. (mm) 4 to 24 in 2" increments (100 to 600 in 50 mm increments)
Input Voltage (vdc): 12, 24, 36, 48, 90	Input Voltage (vac): 115, 230	Input Voltage (vac): 115, 230
Typical Applications: <ul style="list-style-type: none"> • Paving Outriggers • Commercial Mower Decks • Spray Booms • ATV Dump Box Lifts • Boat Engine Lifts • Hydraulic Cylinder Replacement • Construction Equipment 	Typical Applications: <ul style="list-style-type: none"> • Engine Lifts • Tables • Indoor Applications • Machine Tools • Egg Rotation 	Typical Applications: <ul style="list-style-type: none"> • Indoor Applications • Machine Tools • HVAC • Hood Lifts • Tables
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Power Supply/Control/Accessory Selection Guide

Customer Provides Power

Switch Box for 12, 24, or 48 volt motor actuators. Page 57

Input: 12ft. (3.66m) cable

Output: 1ft. cable or optional cables (M1, K2, K2x, RA actuators)

Switch Box for 115 or 230 volt actuators. Page 57

Input: 6ft (1.83m) cable

Output: Customer supplied connector (K2_{AC}, K2_{xAC} actuators)

Power Supply Required

12 or 24 volt DC Power Supply for M-Track Actuator Page 58

Options: AC input with plug
AC input without plug
Switch included
Switch not included

90 volt DC Power Supply for K2/K2x Actuator Page 59

Options: AC input with plug
AC input without plug
Switch included
Switch not included
Speed Potentiometer

24 volt DC Power Supply for K2/K2x Actuator Page 60

Options: AC input with plug
AC input without plug
Switch included
Switch not included

NOTE: All power supply designs are provided with a one foot long cable for connection to actuator. Accessory cables are available in lengths of 5, 10, 20, 25 foot (1.524, 3.048, 6.096, 7.62mm) length.

Controls

End of Travel Limit Switches Pages 61-62

Factory set/not adjustable (P1) **Pages 63-64**

Field Adjustable (EP1) **Page 65**

Quick Stop Control Pages 66-67

Position Feedback Control Page 68

Low Input Switching Control Page 69

Wireless Actuator Control Page 70