



EZlift 230

Vehicle & Motor Controller

Product Highlights

- 5.8 KW Pump Motor Controller
- CAN BUS and 47 I/O
- Configurable for a wide variety of functions up to and including EN280 compliance.
- Developed as an Integrated Scissor Lift Control System

General Features

- Integrated tilt sensor can be configured to limit or prevent selected functions when vehicle is tilted
- Platform overload can be configured for EN280 compliance (requires pressure sensor and height sensor [EZfit])
- Flash memory allows factory configuration to exact vehicle needs
- Inputs from platform joystick & switches (or ground mode emergency switches) control vehicle functions via protected valve & line contactor drivers
- Inputs from various cutout switches can be configured to limit or prevent selected functions depending on vehicle state, e.g.
 - Prevent drive when battery charger connected
 - Sound alarm during lift down when platform deck extended
 - Limit speed when pot holes is engaged
- Dual micro-controller ensures failsafe operation
- Available **EZcal** hand-held allows access to configuration settings and diagnostics including history log (via RS232)
- All inputs & outputs can be tested with **EZcal** to identify wiring errors
- Integral status LED provides (flashing) fault code indication

Optional: Text display module provides end-user status & fault descriptions to minimize down time



TRIONIC
vehicle controls

Technical Data

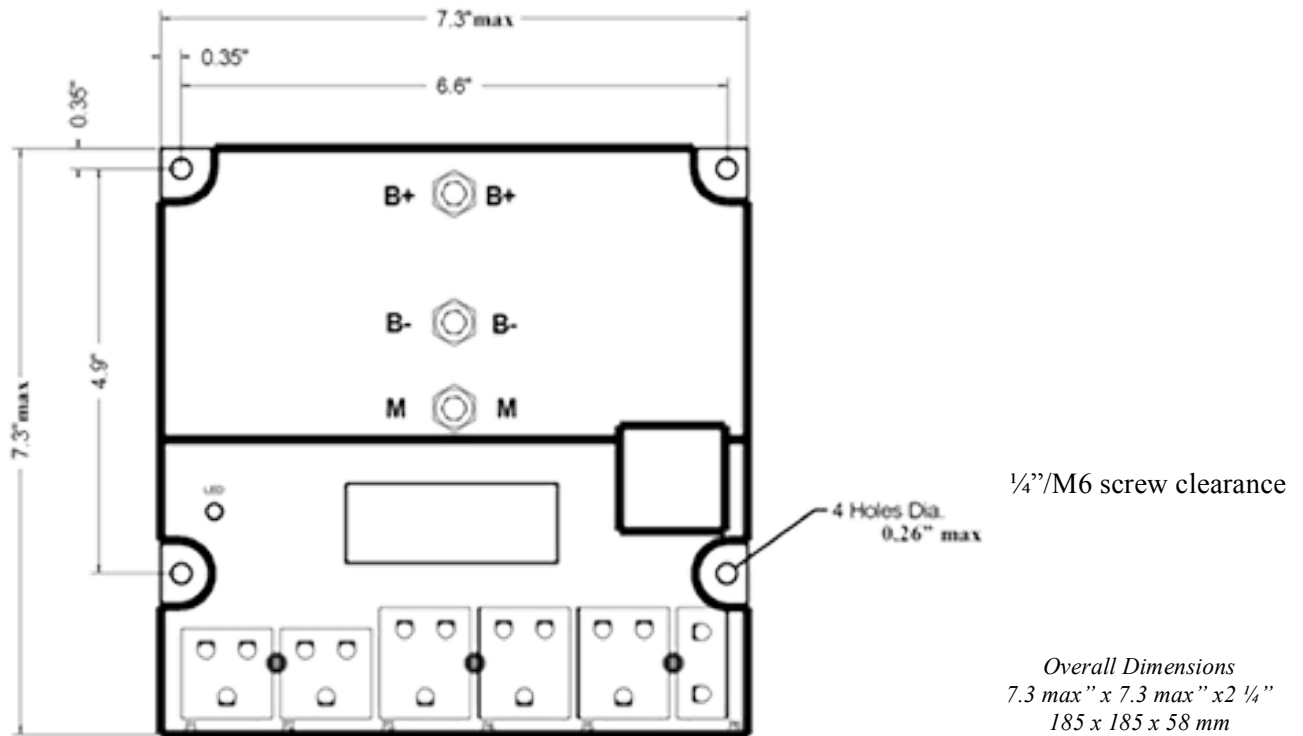
Power Supply	16 to 33 Vdc	Under and Over Voltage shutdown Reverse battery protected
Continuous current	240A	Current limit protects motor
Peak current	500A	Protected from power wiring errors
PWM Frequency	15 Khz	
Integral tilt sensor	+/-0 to 10°	$\sqrt{(x+y)}$
ON/OFF power outputs (10)	3A	Automotive spec. protected drivers
Proportional power outputs (2)	3A	Automotive spec. protected drivers
Indicator outputs low side (6)	2A	Automotive spec. protected drivers
Power output low side (1)	4A	Automotive spec. protected drivers
Digital outputs	24	Low impedance eliminates moisture problems
Analog inputs	6	0.5-4.5 Vdc, protected from wiring errors
Water proof	IP67	
Ambient working temperature	-40 to +50°C	Controller must be mounted to vehicle frame to provide heatsink
Overall Dimensions	7.3" x 7.3" x 2 1/4" 185x185x58 mm	L x W x H



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Dimensions



Mounting Instructions

- The EZlift 230 control module requires special installation due to its integral tilt sensor. The card must be mounted perpendicular to the ground, with the connectors at the bottom. It is recommended to bolt the controller to a fixed vertical surface of the machine oriented at 0° or 90° to the direction of travel.