

Product Highlights

- Up to 3.4Kw pump motor control static ON/OFF switch
- Protection from welded line contactor
- Integrated tilt sensor
- Reduce wiring and simplify setups, adjustments, diagnostics
- Meets EN280: 2014 requirements (i.e. armguard and overload)

The EZlift140 was developed specifically for the Push Around AWP market. It integrates all the I/O and functionality required in a Push Around vehicle in a single package.

Inputs from platform switches (or ground mode emergency switches) control vehicle functions via protected valve & line contactor drivers. Integrated tilt sensor can be configured to limit or prevent selected functions when vehicle is tilted.



General Features

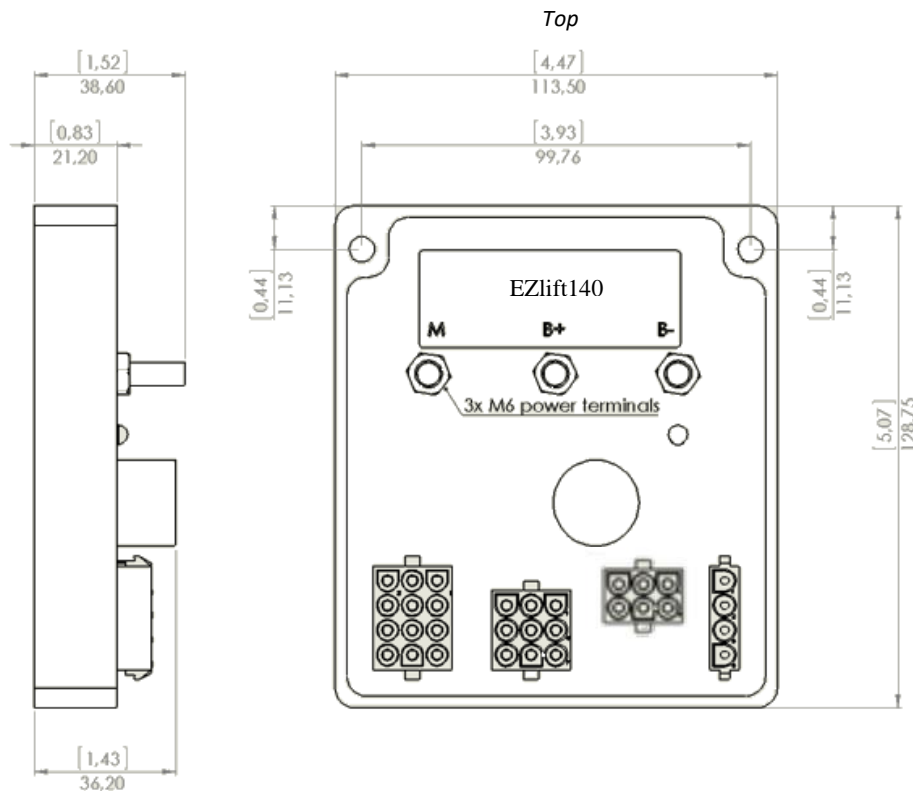
- Provides protected High side PWM outputs
- Provides Low side outputs
- Integrated tilt sensor
- RS232 to connect “EZcal” for calibrations, adjustments, and diagnostics
- “FLASH” memory allows configuration to specific customer needs
- Failsafe functionality to comply with EN 13849-1
- Analog input for overload EN280 compliance

TRIONIC
vehicle controls

Technical Data

Power Supply	12	8.5 to 17 Vdc	
Pump motor current	140A		
PWM Output (high side)	4	3A	Automotive spec. protected drivers
Low side Outputs	2	2A	Automotive spec. protected drivers
Positive Digital Inputs	10	1.25KΩ imp.	Low impedance eliminates moisture problems
Analog input	4	0 to 5V	Protected from wiring errors
Configurable digital I/O	2		
Integral tilt sensor	+/- 0 to 10°	$\sqrt{(x^2+y^2)}$	
Water Proof	IP 67		
Working Temperature	-40 + 60°C		
Overall Dimensions	5.1" x 4.47" x 1.52" 129 x 114 x 39 mm		L x W x H

Dimensions



Overall Dimensions
5.1" x 4.47" x 1.52"
129 x 114 x 39 mm

Mounting Instructions

The EZlift140 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. To achieve full power capability, heat sink should be bolted vertically to a large metal part of the chassis with 2 of M6 x 14mm (min) Bolts oriented at 0° or 90° to the direction of travel.