



▪ **Scissor Lift Platform Overload System with Integrated Tilt Sensor**

The GP102 control module provides a failsafe cutout signal to prevent operation of a scissor vehicle when its platform is overloaded.

In combination with sensors to measure platform height and lift cylinder load, the card is programmed for no-load and full-load conditions and subsequently calculates an estimate of load. Programming and other set-up & configuration activities are carried out using the hand-held “EZcal” device.

An integral tilt transducer can optionally be configured to provide additional vehicle cutout functions.

The GP102 control module is designed to comply with the following EN280 requirements:

General Features

- Provides cutout signal when platform overloaded (per EN 280 5.4.1.2a) using Load and angle transducers (EZfit)
- Configurable lamp & alarm output (per EN 280 5.4.1.2b)
- Integral vehicle tilt transducer, indicates tilted vehicle (per EN 280 5.3.2) with optional cutout
- Optional Armguard cutout (per EN 280 5.4.4)
- Interlocks (subject to installation, per EN 280 5.4.1.2c and EN 280 5.7.8)
- RS232 connection to hand-held “EZcal” for calibration and diagnostics
- “FLASH” memory allows configuration to specific customer needs
- Failsafe functionality to comply with EN 280-5.4 & 11
 - Series-wired dual output switches from independent microprocessors
 - Detects short-circuit output switches
 - Detects open- and short- circuit transducers
 - Validates pressure against height using programmed curve

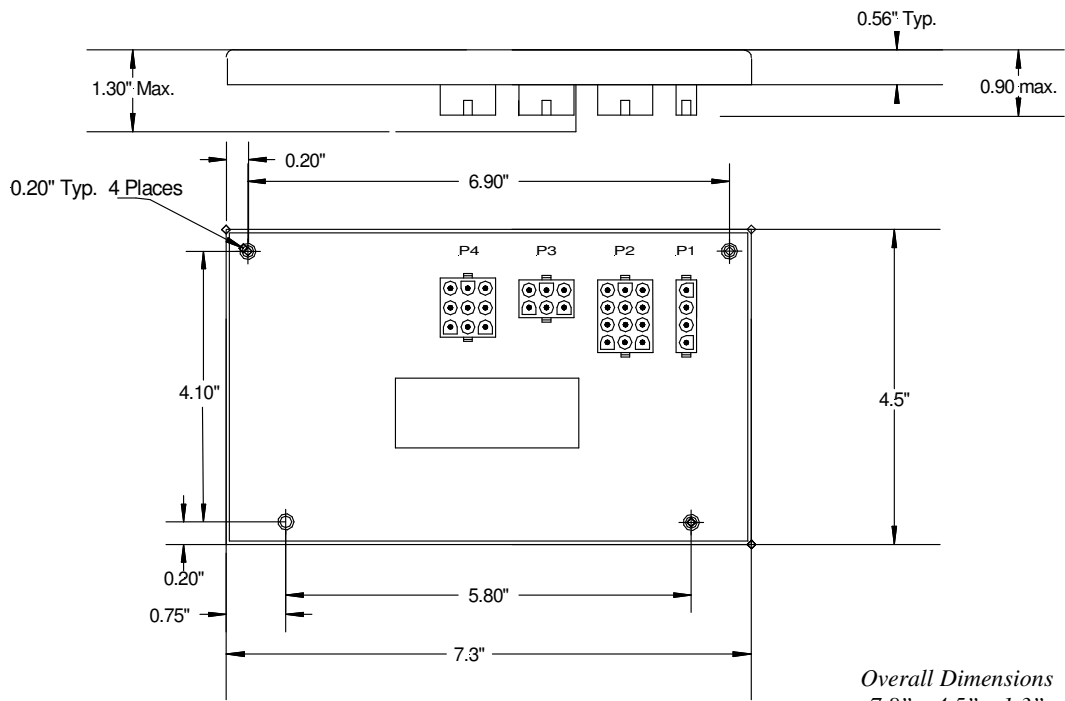


Technical Data

Power supply	12/24V		8.5 to 32 Vdc
1* “failsafe” “High Side” cutout output	2.5A	protected	two series-wired separately controlled drivers
3* “High Side” indicator outputs	0.7A	protected	tilt and overload lamp & alarm
Integral tilt sensor	0 to 10°	$\sqrt{(x^2+y^2)}$	
Digital inputs	10	1.25K Ω imp.	up/down, drive, steer, elevation, etc
Analog inputs	4	0.5V-4.5V	height and pressure sensors
Water proof	IP 67		
Working temperatures	-40 to +60°C		
Overall dimensions	7.8” x 4.5” x 1.3”		(L x W x H)
	198.1 x 114.3 x 33.0 mm		



Dimensions



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 7.8" x 4.5" x 1.3"
 198.1 x 114.3 x 33.0 mm

Mounting Instructions

- The module should be installed vertically as shown below:

