GP102

Over-Load System Pressure based

EN 280 COMPLIANT

Product Highlights

- 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 5.7.7)
- 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	1.25KΩ 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	7.3" x 4.5" x 1.5" 185 x 115 x 39 mm		L x W x H

EUROPE
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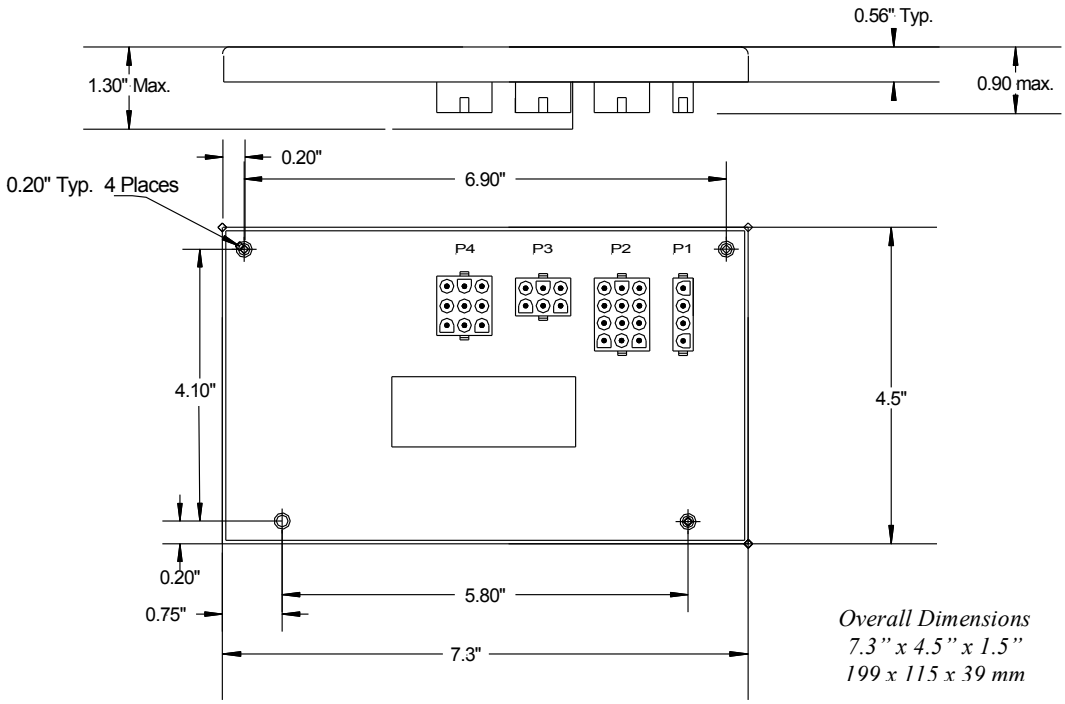
Dimensions



Overall Dimensions
7.3" x 4.5" x 1.5"
199 x 115 x 39 mm

Mounting Instructions

- The module should be installed vertically as shown below
- Recommended fastening torque: 8lbs/inch

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