GP107

Over-Load System,
Load Cell Based

EN 280 COMPLIANT

Product Highlights

- Boom Lift Basket Overload
- Scissor Lift Platform Overload
- Telehandler Forks Overload

The **GP107** control module is designed to prevent vehicle movement when platform overload is detected. The module interfaces with two or four strain gauge/ load cell transducers to measure the load of the work platform.

The **GP107** can also be used for measuring the load on the forks of a telescopic handler to prevent vehicle tipping.

General Features

- Provides cutout signal when overloaded (per EN 280 5.4.1.2a) using 1 or more load cell (basket rotator ring, load pins, Cantilever/ Shear Beam or Strain Gauges)
- Configurable lamp & alarm output (per EN 280 5.4.1.2b)
- Overload cutout can be disabled when driving, steering, etc to avoid nuisance shutdowns
- 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 & 5.11
  - Series-wired dual output switches from independent microprocessors
  - Detects short-circuit output switches
  - Detects open- and short- circuit sensors

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	1A	protected	overload lamp & alarm
Integral Tilt Sensor	+/- 0 to 10°	$\sqrt{(x^2+y^2)}$	
Digital Inputs	8	1.25KΩ imp.	up/down, drive, steer, elevation, etc
Analog Inputs	2	0.5V-4.5V	optional
Diff. Analog Inputs	4	±2-10 mV	load cell bridges (per EN 280-5.11.3.1a)
Water Proof	IP 67		
Working Temperature	-40 to +60°C		
Overall Dimensions	7.3" x 4.5" x 1.5"		L x W x H
	186 x 115 x 39 mm		

EUROPE
Trionic Mobility Systems, SAS

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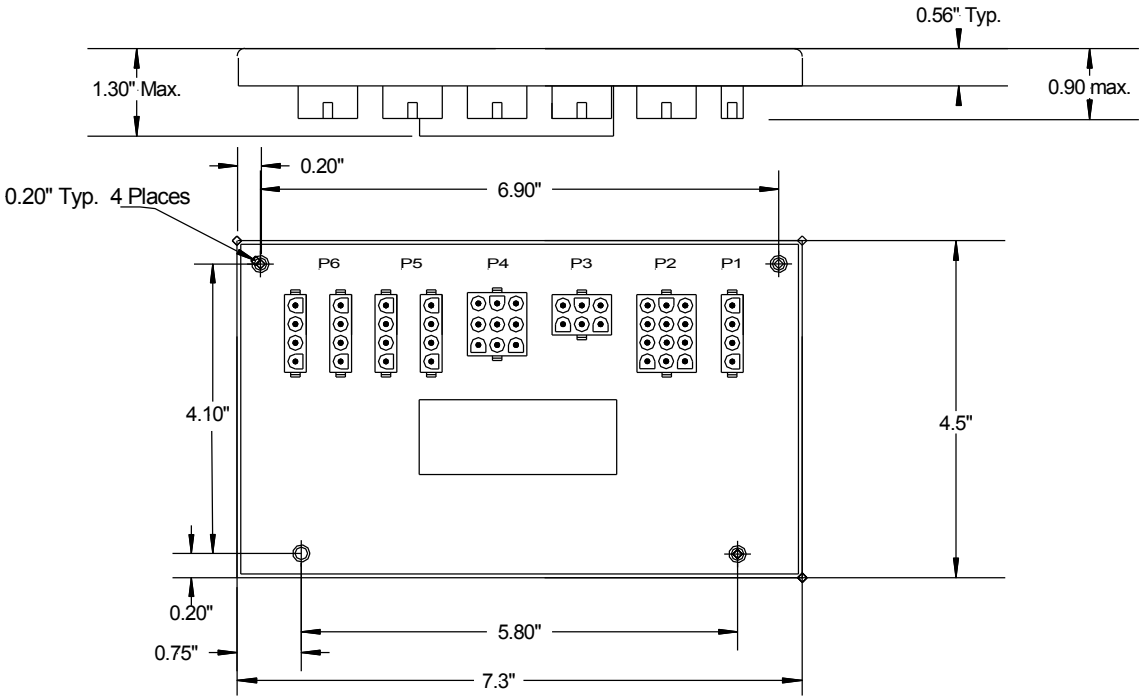
Dimensions



Mounting Instructions

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

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