



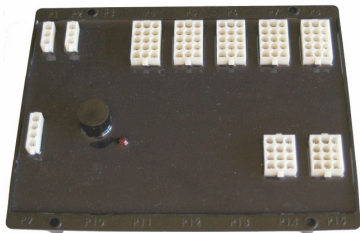
- **IC Boom Scissor Lift Control System**
- **48V Electric Boom and Scissor lift Control System**

The GP400 Electronic Control Module combines the functionality and features of the GP102 (overload) and the GP106 (automatic outrigger) control modules; additional inputs and outputs allow for the total control of a boom or scissor lift vehicle.

The module CAN bus can be connected to a second GP400 Electronic Control Module or a GP400 Matrix I/O module in the platform reducing the number of wires going up to the platform. The GP400 Electronic Control Module also contains an integrated tilt transducer.

When used in conjunction with a SEM Dual Motor Power Panel or a P600 Pump Motor Controller and a second GP400 Electronic control Module or a GP400 Matrix I/O module in the platform control box the GP400 Electronic Control Module provides a complete control solution for Electric Boom and Scissor vehicles.

### General Features



- Provides protected high side outputs
- Provides PWM outputs
- Provides fail-safe high side outputs
- Integral vehicle tilt transducer, indicates tilted vehicle with optional cutout
- CAN bus interface
- RS232 connection to hand-held "EZcal" for calibration and diagnostics
- "FLASH" memory allows configuration to specific customer needs
- Failsafe functionality to comply with EN 954-3
  - Series-wired dual output switches from independent microprocessors
  - Detects short-circuit output switches

### Technical Data

<b>Power Supply</b>	12/24V		8.5 VDC
<b>High Side Output</b>	24/32	protected	
<b>PWM Output (high side)</b>	8	protected	
<b>"Failsafe" Outputs (high side)</b>	4	protected	series-wired separately controlled drivers
<b>Positive Digital Inputs</b>	28/36	1.25KΩ imp.	
<b>Negative Digital Input</b>	3	1.25KΩ imp.	For chassis grounded sensor
<b>Analog Inputs</b>	9	protected	0 to 5 V
<b>Integral Tilt Sensor</b>	0 to 10°	$\sqrt{(x^2+y^2)}$	
<b>Water Proof</b>	IP 67		
<b>Working Temperature</b>	-40 + 60°C		
<b>Overall Dimensions</b>	9.0" x 7.1" x 1.3"		L x W x H
	228.6 x 180.3 x 33.0 mm		

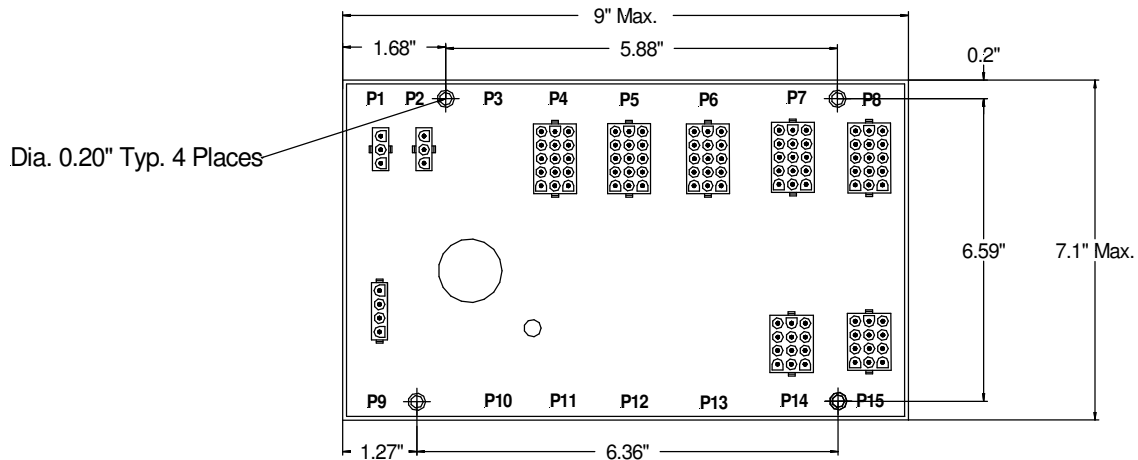
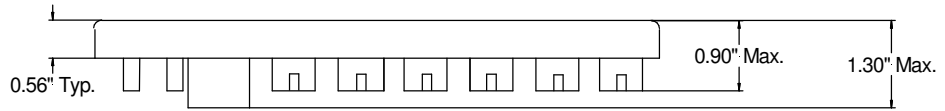


**PG Trionic, Inc.**

[www.trionicsusa.com](http://www.trionicsusa.com)

**GP 400 Series**  
Electronic Control Module (CAN Based)

### Dimensions



*Overall Dimensions*  
9.0 x 7.1 x 1.3  
228.6 x 180.3 x 33.0 mm

### Mounting Instructions

- The module should be installed vertically as shown below:

