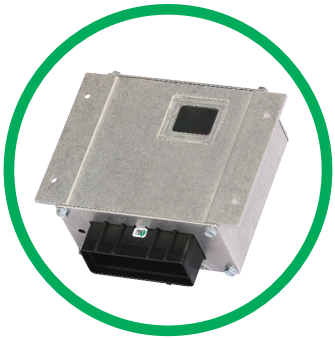
| K300

Platform Control System for battery powered scissor lift

Introduction

The K300 Platform Control System provides the reliability required in demanding applications such as Mobile Elevating Work Platforms; K300 is committed to the full control of DC battery powered self-propelled scissor lift. The key parts of the K300 Kit are the PCU300 (Platform Control Unit) and the ECU300 (Electronic Control Unit). The 2 units have been conceived as building block elements able to connect a variety of digital and analog machine interfaces such as joysticks, sensors, limit switches, LEDs , motor controller, pushbuttons, e-stop, alarms and control them through a CAN-bus system.

PCU300
Platform Control Unit



ECU300
Electronic Control Unit

Main Features

- Four push button switches with LED backlit indicators
- Direction control switches integrated in the joystick grip
- 7 segment displays on both PCU and CPU for diagnostic
- Emergency Stop Pushbutton

Custom Modifications

- Custom overlay graphics
- Custom grip
- 30 functionally configurable Input/Output signals

SPECIFICATIONS

Electrical

	PCU300	ECU300
Supply Ratings	**Nominal Voltage:** 12V or 24V DC **Max. Voltage Range:** 10V-30V	
	Max. output voltage: V supply DC	N/A
Other Electrical Characteristics	N/A	**ESD:** +/- 6KV Contact, +/-8KV Air Discharge per IEC 61000-4-2

Mechanical

	PCU300	ECU300
Operating temperature	-40 °C to 85 °C	
Protection Level	IP65 (after installed)	IP25
Life	Joystick > 5 million cycles Pushbuttons > 1million cycles	N/A

PCU300 Platform Control Unit

Connector: 6 Pin, SIBAS HQ-005-M; Pin Current Rating 7.5Amps

Pin 1	Ground
Pin 2	Serial Data High
Pin 3	E-Stop Out (+24V out)
Pin 4	+24V in
Pin 5	Serial Data Low
Pin 6	Unused

ECU300 Electronic Control Unit

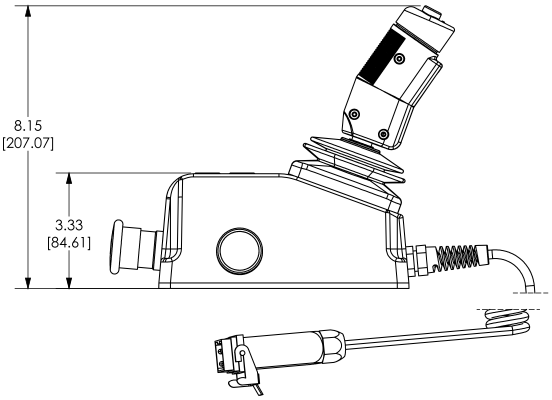
Connector: 36 Pin, AMP 344108-1; Pin Current Rating 10Amps; gold plating on mating area of pins

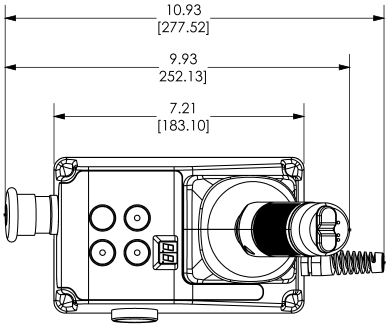
Pin	I/O Type	Pin	I/O Type	Pin	I/O Type
1A	0-24V Digital Input	1B	Serial Data High	1C	Serial Data Low
2A	2.5A/24V Digital Output	2B	0-24V Digital Input	2C	Power Input
3A	2.5A/24V Digital Output	3B	Ground	3C	0-5V Analog Input
4A	Power Input	4B	4~20mA Analog Input	4C	0-5V Analog Output
5A	Power Input	5B	Digital Input w/ 2.2K pull up	5C	Digital Input w/ 2.2K pull up
6A	2.5A/24V Digital Output	6B	2.5A/24V Digital Output	6C	2.5A/24V Digital Output
7A	2.5A/24V Digital Output	7B	2.5A/24V Digital Output	7C	2.5A/24V Digital Output
8A	2.5A/24V Digital Output	8B	2.5A/24V Digital Output	8C	2.5A/24V Digital Output
9A	0-5V Analog Output	9B	Alarm OC Input	9C	2.5A/24V Digital Output
10A	0-24V Digital Input	10B	0-24V Digital Input	10C	0-24V Digital Input
11A	0-5V Analog Input	11B	0-24V Digital Input	11C	0-24V Digital Input
12A	0-24V Digital Input	12B	0-24V Digital Input	12C	0-24V Digital Input

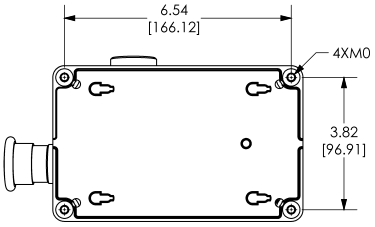
DIMENSIONS

All dimensions are in inches [millimeters]

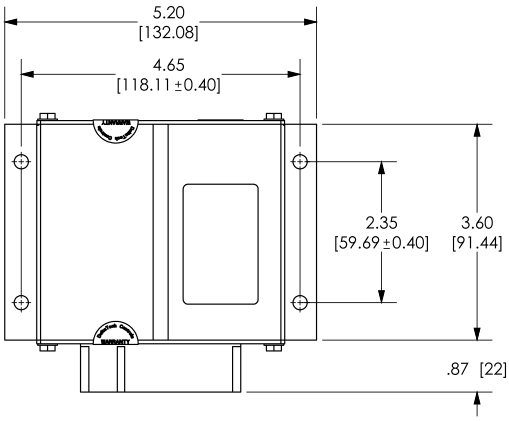
PCU300 Platform Control Unit

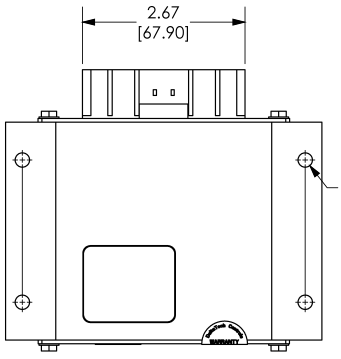


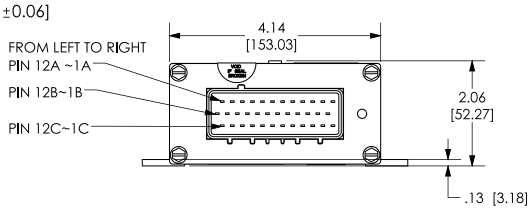




ECU300 Electronic Control Unit







ORDERING OPTIONS

Part Number	Product	Description
8C40002CC0007-02 [A]	K300	Platform Control Kit for DC vehicle

[A] ***K300 Kit includes:***

Part Number	Product	Description
8C40002CC0008-01	PCU300	Platform Control Unit
8C40001CC0001-01	ECU300	Electronic Control Unit
8C40002CC0005-01	MC300	Accessory - Motor Controller 24/36V 275Amp

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