



## | K300

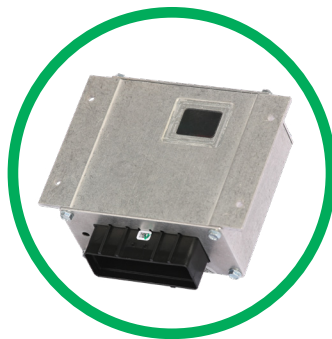
Platform Control System for battery powered scissor lift

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

### Mechanical

	PCU300	ECU300
<b>Operating temperature</b>	-40 °C to 85 °C	
<b>Protection Level</b>	IP65 (after installed)	IP25
<b>Life</b>	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

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

## ECU300 Electronic Control Unit

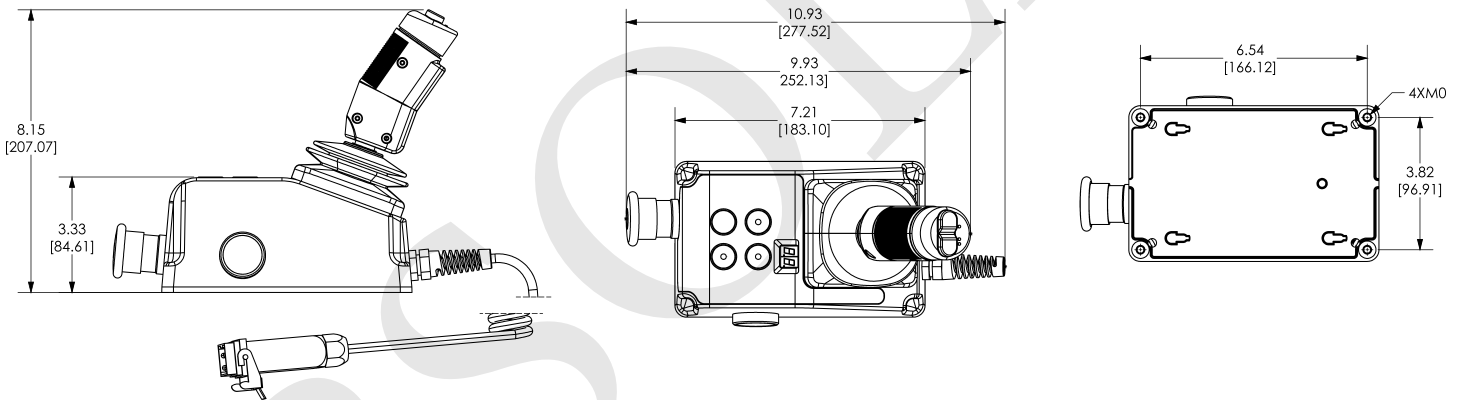
Connector: 36 Pin, AMP 344108-1; Pin Current Rating 10Amps; gold plating on mating area of pins

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

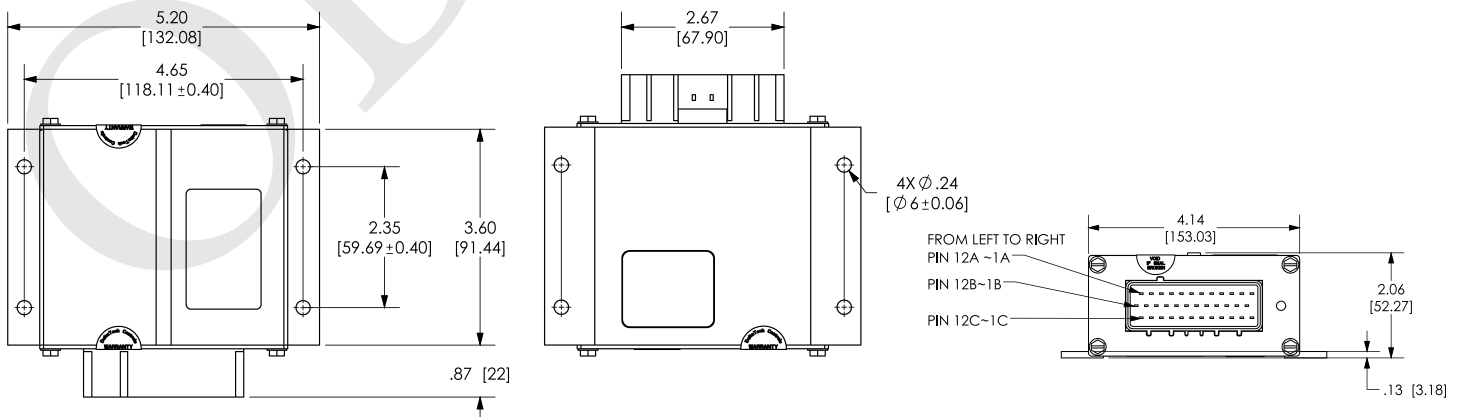
## DIMENSIONS

All dimensions are in inches [millimeters]

### PCU300 Platform Control Unit



### ECU300 Electronic Control Unit





Part Number	Product	Description
8C40002CC0007-02 <sup>(A)</sup>	K300	Platform Control Kit for DC vehicle

<sup>(A)</sup> **K300 Kit includes:**

Part Number	Product	Description
8C40002CC0008-01	PCU300	Platform Control Unit
8C40002CC0001-01	ECU300	Electronic Control Unit
8C40002CC0005-01	MC300	Accessory - Motor Controller 24/36V 275Amp



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