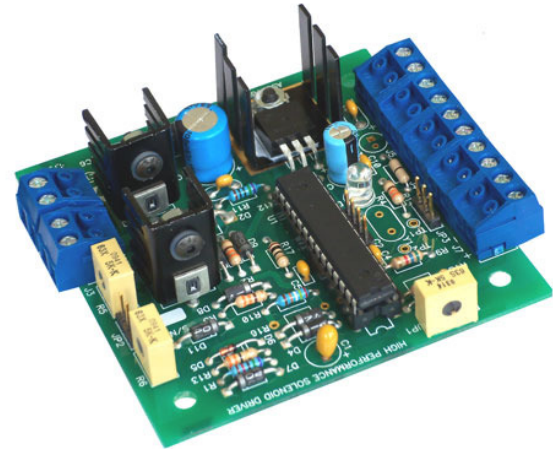


Closed Loop Solenoid Position Control Module CLSP Series

This module offers a very low cost solution for limited angle / stroke position control.

The Closed Loop Solenoid Position Control Module is designed to control the position of a solenoid plunger / shaft, voice coil motor or similar devices. Since the solenoid moves only in one direction, a return force generated by another component is required. This could be a spring loaded solenoid , another solenoid positioned in the opposite direction or hydraulic force.

The PID controller is easily adjusted using the onboard potentiometers.



Features

- Plug-and-Play
- Quick and Easy to Install
- Low Cost
- Small Size
- Low Weight
- Highly Efficient
- Stand Alone
- Microcomputer Based, May Be Re-programmed for Your Application
- Highly Reliable
- Pulse Width Modulated (PWM)
- Single Supply, from +9 VDC to +50 VDC
- High Supply Voltage, +50 VDC
- High Output Current 15 Amps Peak, 4 Amps RMS
- RoHS Compliant

Typical Applications

- Solenoids
- Valves
- Voice Coil Actuators
- Hydraulics

Command Source

- Encoder Following
- 0 to +5 V or +10 V Analog
- Step and Direction
- 4 to 20 milliamps Current

Feedback Supported

- Incremental Encoder
- 0 to +5 V or +10 V Analog

Performance Specifications

Parameter	Min	Typical	Max	Units
Supply Voltage	9		50	VDC
Peak Current			15	Amp
Average Current			4	Amp
Command Range	0		5	VDC
	4		20	mAmps
Operating Temperature	0		50	Deg C



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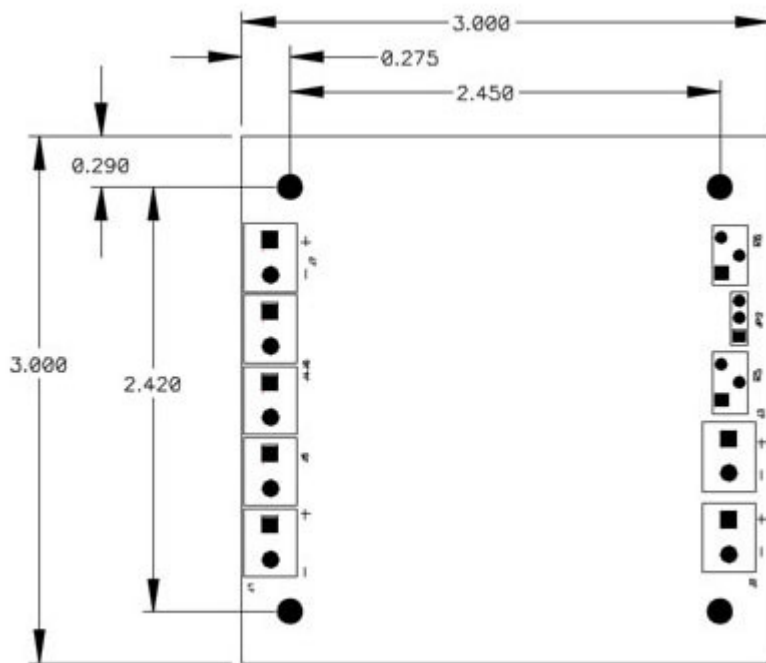
Mechanical Specifications

Mounting Pattern

Four 6-32 Screws, 0.15" Diameter (3.8 mm)

Dimensions

3.00" W, 3.00" D, 0.85" H (76.2 mm, 76.2 mm, 21.5 mm)



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