

CLARK**PD-106 Driver Board For Gotec Solenoid Piston Pumps***DC In, Pulsed DC Out***DESCRIPTION**

Model PD-106 is a board level product intended for mounting in a customer provided enclosure. It is intended for use with Gotec solenoid piston pumps to drive the pumps with pulsed DC power.

The board accepts 9-35 VDC input and has a pulsed 9-35 VDC output.

The pulse length is fixed at a nominal 10ms and the dead time between pulses is adjustable via a potentiometer.

The circuit can drive pumps up to 35 volts.

PUMP DRIVER SPECIFICATIONS

Gotec Pump Series Supported: 12V & 24V models from series ED, EM, ET & ES

Input: 9 – 35 VDC

Output: 9 – 35 V pulsed output

Pulse length: fixed at 10 ms nominal

Current output: 1.5 A maximum

Frequency: adjustable via single turn potentiometer, 50Hz maximum

PC Board:

Material: FR4

Surface Finish: Immersion Silver

Solder Mask: LPI Green

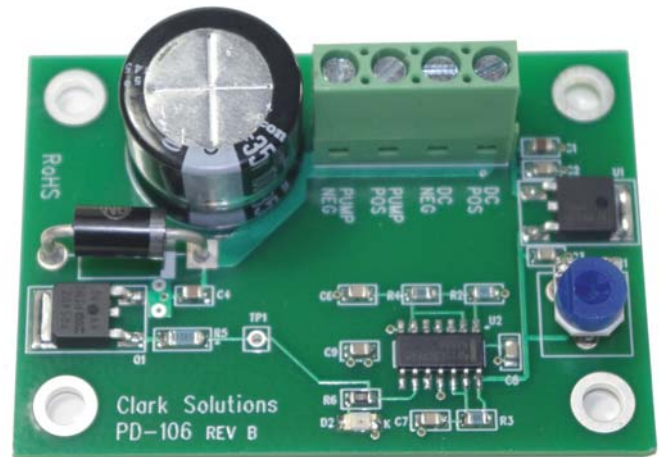
Connections: 4 position 5 mm PCB connector terminal block

Mounting: Four through holes, 0.156" (4 mm) diameter

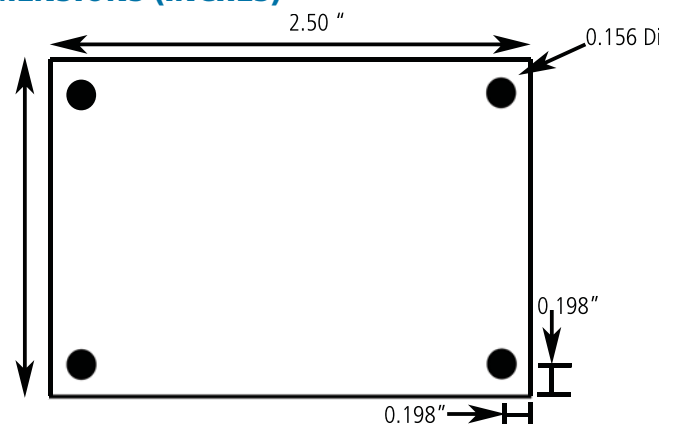
Accessories: Units supplied with four screw mount Nylon circuit board supports. These mount to customer enclosure/chassis with self-tapping no. 6 screws (not supplied)

Dimensions: 2.50"W x 1.75" D x 0.91" Max. H (not including board supports)

Packaging: 4" x 6" ESD shielding bag

**FEATURES**

- **DRIVE GOTEC SOLENOID PUMPS WITH PULSED DC POWER**
- **PUMPS RUN QUIETLY RELATIVE TO DRIVING WITH AC POWER**
- **PUMPS RUN COOLER THAN AC DRIVEN PUMPS**
- **PUMP FLOW DELIVERY ADJUSTABLE BY CHANGING VOLTAGE OR FREQUENCY**

DIMENSIONS (INCHES)

Application Note: To maximize the life of your Gotec piston pump it is recommended that supply voltage not exceed 140% of rated pump voltage (16.8 volts for a 12 volt rated pump) and frequency be kept below 40 Hz. The PD-106 is designed for use specifically to drive certain Gotec solenoid pumps. Check pump data sheets for suitability or call factory.

WIRING**ORDERING INFORMATION**

MODEL NUMBER: PD-106