

# PEM-DMC

## Controller Card



### Function:

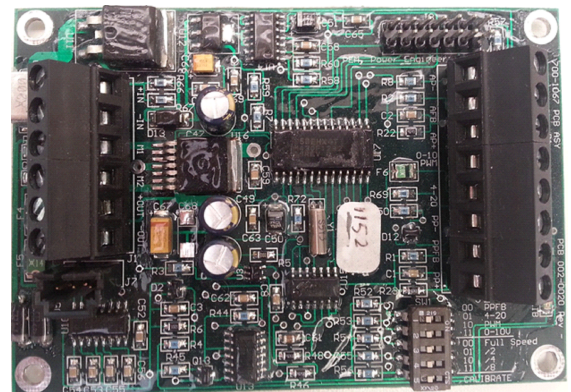
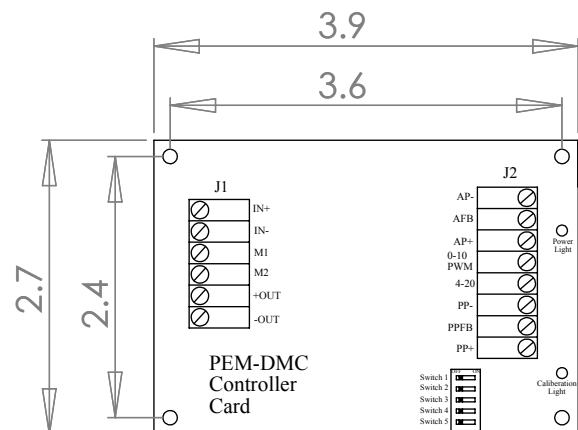
- The PEM-DMC is a valve driver designed to remotely operate the Source Fluid Power motorized control valves equipped with internal feedback option.
- The circuit works by reading a resistive strip inside the control valve that indicates the valve position. The card then compares the valve position to the input command. The card will then adjust the valve as needed.
- This controller is to be used with our feedback option.

### Applications:

- This driver will work as an interface between a OEM's control system and motorized control valves. This allows the motorized valve to replace existing proportional valve drives without having to modify the existing controller.

### Specifications:

- Circuit board is 3.90" long x 2.70" wide x .75" high
- Mounting holes for #6 screws
- Screw clamp terminal strip wire connectors
- Supply Voltage:
  - 9-28 VDC
  - 20ma steady state when powered at 13.7 VDC
  - Reverse polarity protected
  - Internal 2 amp fuse
  - Surge voltage battery protection built in
- Control input:
  - Potentiometer, 0-10K nominal
  - 4-20 ma
  - PWM, 200Hz-200kHz, 3-28 volts peak to peak
  - 0-10 VDC, 5k ohm input, 2ma current draw at 10V
- Operational Temperature:
  - 40° to 85°C
- PWM motor control 0-100%, bidirectional, 4.8 KHz
- The board is conformal coated to resist moisture and corrosion
- Auxiliary output:
  - 12VDC Protected through a 140ma thermal fuse



To order, use part number:  
**PEM-DMC**