

MPFC / CR

Microprocessor Driver Card for Electro Hydraulic Proportional Valves

The MPFC/CR driver card is compatible with our full range of Joysticks, Foot Pedals, Rotary Cam Switches, and Custom Grips.

Additional third axis handle functions for uni- or bi-directional control are easily achieved via proportional thumbwheels, rockers and hall-effect devices mounted in our handle grips. Multiple output configurations are possible e.g., single and dual coil bi-directional control, flow and volume control.

Typical applications include precise control of Electro-Hydraulic Proportional valves for mobile equipment such as Aerial Work Platforms, Scissors Lifts, Forklifts, Bucket Trucks, and Cranes.

Features:

- PWM current regulated output
- LEDs for diagnostics, set-up and output status
- Broken or shorted command wire detection and out of range detection
- Neutral off micro-switch
- Over voltage protection
- Reverse polarity protection
- Short circuit and BEMF protected outputs
- Transient protected inputs
- EMI & RFI compliant
- Deadman with configurable parameters
- Factory programmable

Options:

- Dual Threshold
- Dual full output adjustments
- Hi-Lo range mode select and output adjustments
- Single or dual ramp with ramp to or through center
- Deadman enable, deadman enable with ramp to off
- Remote mounting

Technical Data:

Mechanical

- Overall Dimension W4.1" x H3.1" x D1.4" without potentiometer
- TB1 6 pole 0.325 spacing 6-32 BHMS
- TB2 2 pole Phoenix pressure connector, 0.5 spacing.
- Board material .093 multi-layer fiberglass.
- Operating Temperature: -40° to +85°C

Electrical:

- Fully encapsulated against moisture
- Supply Voltage: 10-30VDC
- Proportional Output: 24 watts
- Aux Outputs: (3) solid state, (1) on/off/on, (2) directional
- Maximum Output: 6 amps
- Signal Requirements: 0-5 volts, 4-20mA or PWM



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