PC10 Panel Mounted Proportional Control

Panel mounted proportional valve driver

FEATURES

- **Easy Installation**
  Installs directly on control panel with only 2 screws. Hardware included.

- **Easy Setup**
  Pushbutton “teach” feature simplifies setup of min/max output adjustment and ramp up/down time. No PC, PDA, or other tools needed.

- **Flexible**
  Operates one or two valve coils for speed and direction control. Version available for ratiometric valve actuators. Compatible with resistive or hall-effect (0.5 to 4.5v) joysticks or potentiometers.

- **Proportional Control**
  High-resolution solid-state output(s) for fine control of loads up to 5-Amps DC

- **Compact Size**
  Only 1.6” wide - Fits easily in tight spaces. Ideal building block for control panels.

- **Rugged Construction**
  Robust potted module keeps electronics protected. IP65 environmentally rated pushbuttons and potentiometer.

OPERATION

Controller provides proportional PWM or ratiometric output(s) up to 5-Amps from the position of a potentiometer or joystick.

The PC-10 can be field programmed to operate in single-coil or dual-coil mode.

In single-coil mode, the potentiometer or joystick controls a single proportional output.

In dual-coil mode, Output 1 is controlled from the center position of the knob to the fully CW position, and Output 2 is controlled from the center position of the knob to the fully CCW position.

The minimum/maximum output settings, and ramp up/down times are fully programmable in the field for single and dual-coil operation.

Field programming is accomplished using only 2 pushbuttons and the potentiometer or joystick. See operation manual for complete programming instructions.

ORDERING INFORMATION

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<th>DESCRIPTION</th>
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<td>Proportional Controller, Single/Dual valve speed/direction control</td>
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DIMENSIONS

Knob and panel seal not shown.
**SPECIFICATIONS**

**General**
- Power requirement: 9-30vdc, 50mA nominal + power to loads and joystick

**Outputs**
- PWM Frequency: 200Hz
- Dither: Fixed
- PWM current: 0 to supply voltage, 5-amps max
- +5V excitation: 100mA MAX.
- Adjustments: Min/Max: 0 to V+
- Deadband: Built-in 10 degree deadband around neutral position

**Input**
- Voltage: 0.5 to 4.5Vdc (5Vdc excitation provided for resistive controls)

**Dimensions**
- Overall: 3.0" L x 1.6" W x 1" H (behind panel depth)
- Mounting: 2 x #8-32 x 1/2” machine screws

**Environmental**
- Storage: -40ºC to 85ºC
- Operating: -10ºC to 60ºC

**WIRING**

**CHASSIS GROUND**

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<tr>
<td>DUAL</td>
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