

**PVD3S2R, Proportional Valve Driver, two PWM solenoid outputs,
open board in DIN rail card holder**

Benefits and Features:

- Versatile digital design
- Large, easy-to-use adjustments and 3-digit seven-segment LED display
- Wide range of supply voltage
- Electronic limiting circuit / short circuit proof
- Load can be connected & disconnected live
- Protected against wrong connection
- Simple control with 2 digital inputs per channel
- Can be used for one dual-solenoid or two single-solenoid proportional valves
- Energy efficient PWM circuit, no heat sink is required
- Current sensing maintains output regardless of changes in supply voltage and coil resistance



Specifications:

- Operating voltage: 9 - 35VDC
- Maximum output: 3A
- Ramp time: 0.0 to 99.5s
- Linearity: 0.5%
- Input signal: four digital (on/off), 0/24V
- PWM / Dither frequency: 50-500Hz
- Operating temperature:
-40° to +75° Celsius
- Size: 3.00" x 2.75" x 1.50"

Settings & Range:

- AJg:** A jog, used to simulate signal, in Amps
AP1: set point A1, in Amps
AP2: set point A2, in Amps
AP3: set point A3, in Amps
AP4: set point A4, in Amps
AUP: A ramp up, time required for the output to increase 1A, in seconds
Adn: A ramp down, time req'd for the output to decrease 1A, in seconds

bJg: B jog, used to simulate signal, in Amps
bP1: set point B1, in Amps
bP2: set point B2, in Amps
bP3: set point B3, in Amps
bP4: set point B4, in Amps
bUP: B ramp up, time required for the output to increase 1A, in seconds
bdn: B ramp down, time req'd for the output to decrease 1A, in seconds

dF: dither frequency, in Hz
di: display orientation, normal or up-side-down
SA: save settings

Set-Up Procedure:

At power up, you may rotate the left side control **#** to read the target set point or the actual solenoid output current directly in Amps: **Ain** (A target), **Aot** (A actual), **Bin** (B target) or **Bot** (B actual). To enter set-up mode, rotate right side control *****; the display will show the settings sequentially: **AJg**, **AP1**, **AP2**, **AP3**, **AP4**, **AUP**, **Adn**, **bJg**, **bP1**, **bP2**, **bP3**, **bP4**, **bUP**, **bdn**, **dF**, **di** and **SA**. When you reach the setting that you want to modify, rotate **#** to the desired value. To modify another setting, rotate ***** and repeat. The Driver is fully functional during the set-up procedure with any adjustments effective immediately. In order to write the new settings in the memory and return to normal mode of operation, rotate ***** until the display shows **SA** and then rotate **#**. If you do not want to keep the new settings, simply power down without saving.

WE RESERVE THE RIGHT TO DISCONTINUE MODELS OR CHANGE SPECIFICATIONS WITHOUT NOTICE OR INCURRING OBLIGATION

Wiring diagrams:

