



PVD3XDN

PVD3XDN, Proportional Valve Driver, direct DIN solenoid mount, DIN cable connector

BENEFITS AND FEATURES:

- Versatile digital design
- Large, easy-to-use adjustments and three-digit seven-segment LED display
- Completely sealed even during set-up
- Wide range of supply voltage
- Electronic limiting circuit / short circuit proof
- Load can be connected & disconnected live
- Protected against wrong connection
- Simple control with differential analog input
- Energy-efficient PWM circuit, no heat sink is required
- Current sensing maintains output regardless of changes in supply voltage and coil resistance
- Thick wall, sturdy housing made of flame retardant plastic UL94-V0
- Mounting: DIN 43650-A/ISO 4400 for solenoid as well as cable connector
- Easy troubleshooting / cable length not an issue



SPECIFICATIONS:

- Operating voltage: 9 - 35VDC
- Maximum output current: 3A
- Ramp time: 0.0 to 99.5s
- Linearity: 0.5%
- Protection grade: IP67
- Input signal: 0 to +10V or 0 to -10V
- PWM / Dither frequency: 50-500Hz
- Operating temperature: -40° to +75° Celsius



This product fulfills the essential requirements of the EMC Directive 2004/108/EC:
EN61000-6-1:2005, EN61000-6-3:2006



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SETTINGS AND RANGE:

- HI** High, output current corresponding to the highest input, **0.00** to **3.00** A
- JS** Jog, used to simulate signal
- LO** Low, output current corresponding to the lowest input, **0.00** to **3.00** A
- UP** Ramp up, time required for the output to increase from **LO** to **HI**, **00.0** to **99.5** s
- dn** Ramp down, time required for the output to decrease from **HI** to **LO**, **00.0** to **99.5** s
- db** Deadband, output is disabled when command signal is less than this setting
- df** Dither frequency, **050** to **500** Hz
- in** Input signal, **0 1 0** (+/-10V)
- di** Display orientation, normal or up-side-down
- SA** Save settings

SET-UP PROCEDURE:

At power up, you may rotate **#** clockwise to read the actual solenoid output current directly in Amps or counterclockwise to read the command input signal in V. To enter set-up mode, rotate *****; the display will show the settings sequentially: **HI**, **JS**, **LO**, **UP**, **dn**, **db**, **df**, **in**, **di** and **SA**. When you reach the setting that you want to modify, rotate **#** up or down 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. 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 **#** one full turn. If you do not want to keep the new settings, simply power down without saving.



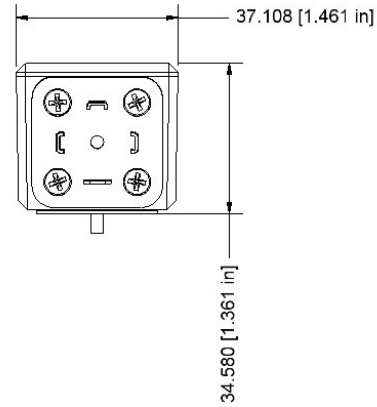
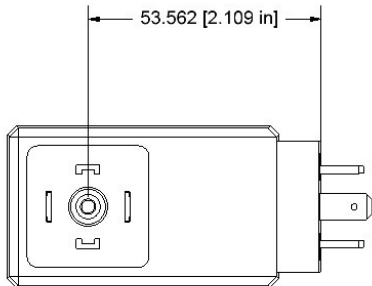
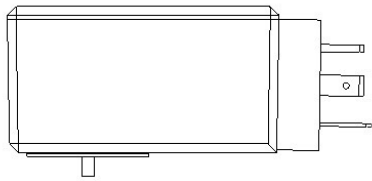
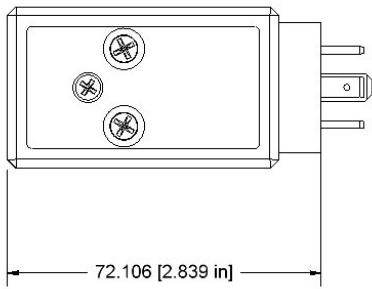
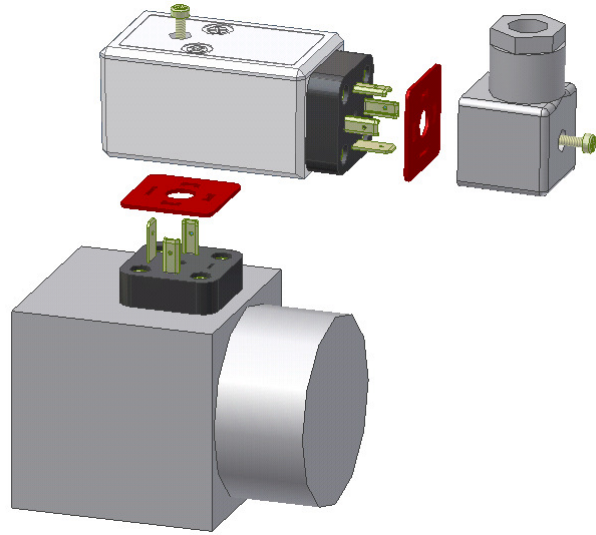
WE RESERVE THE RIGHT TO DISCONTINUE MODELS OR CHANGE SPECIFICATIONS WITHOUT NOTICE OR INCURRING OBLIGATION



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DIMENSIONS:





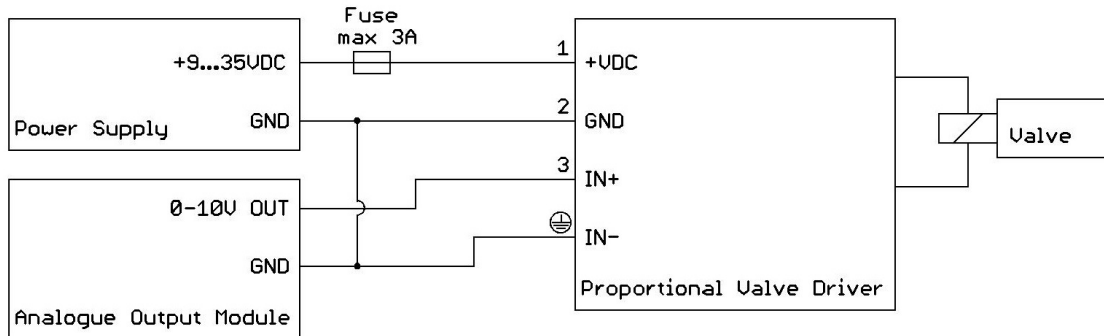
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WIRING EXAMPLES:

Single solenoid, 0 to +10V command input signal:



Dual solenoid, -10V to +10V command input signal:

