

PVD3SDN, Proportional Valve Driver, direct DIN solenoid mount, DIN cable connector

Benefits and Features:

- Versatile digital design
- Large, easy-to-use adjustments and 3-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 2 digital inputs
- 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:

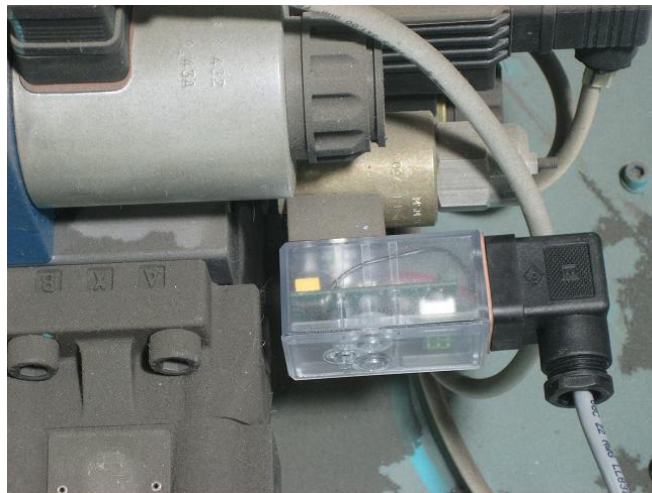
- Operating voltage: 9 - 35VDC
- Maximum output current: 3A
- Ramp time: 0.0 to 99.5s
- Linearity: 0.5%
- Protection grade: IP67
- Input signals: two digital (on/off) 0/24V
- PWM / Dither frequency: 50-500Hz
- Operating temperature: -40° to +75° Celsius

Settings & Range:

- Jg:** jog, used to simulate signal, in Amps
- P1:** set point 1, in Amps
- P2:** set point 2, in Amps
- P3:** set point 3, in Amps
- P4:** set point 4, in Amps
- UP:** ramp up, time required for the output to increase 1A, in seconds
- dn:** 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

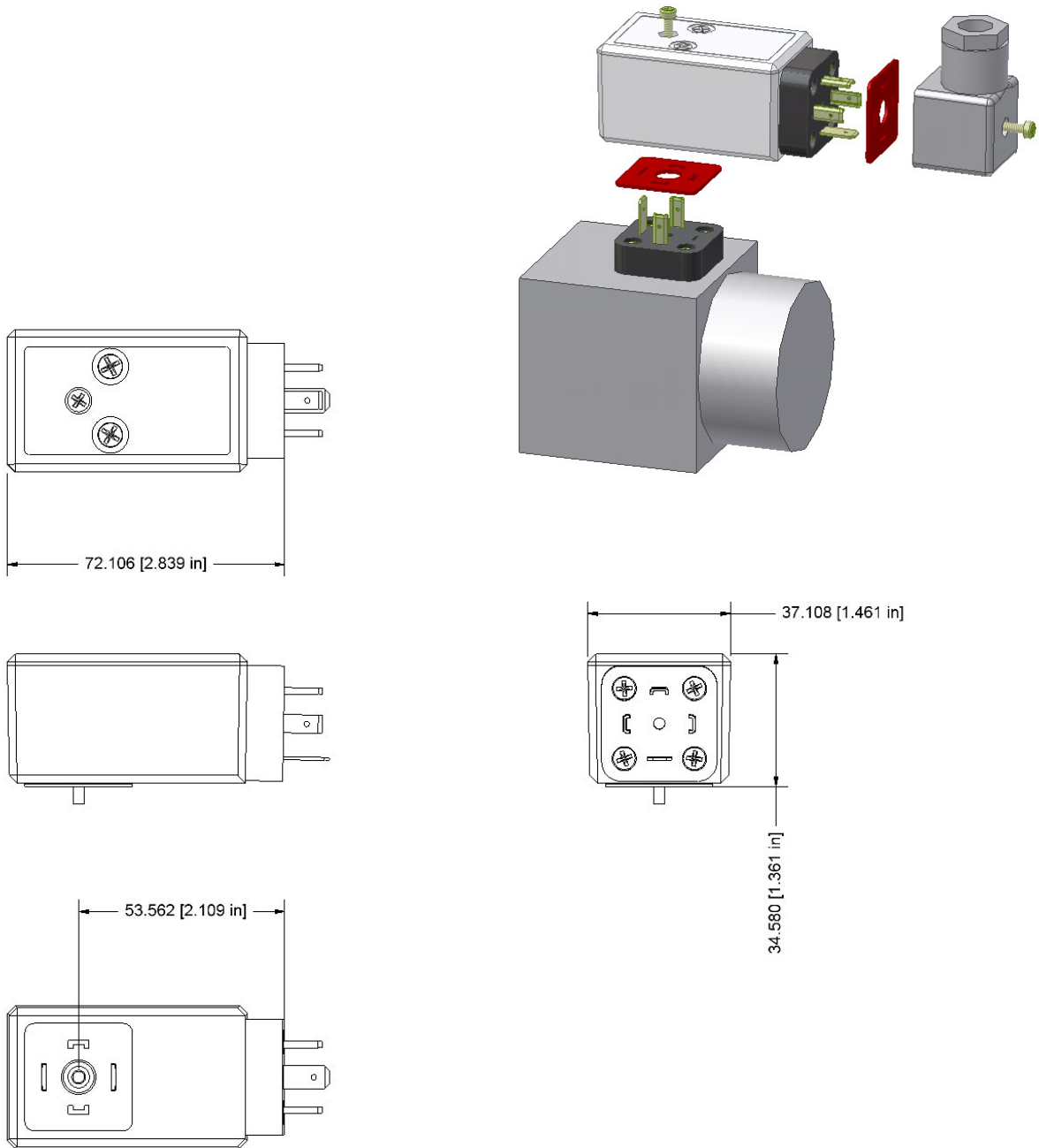
Set-Up Procedure:

At power up, you may rotate **#** to the right to read the actual solenoid output current directly in Amps or to the left to read the target set point, in Amps, as selected with the two digital inputs. To enter set-up mode, rotate *****; the display will show the settings sequentially: **Jg**, **P1**, **P2**, **P3**, **P4**, **UP**, **dn**, **dF**, **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 immediately. In order to write the new settings in the memory and return to normal mode of operation, rotate ***** until the display shows **SR** and then rotate **#**. If you do not want to keep the new settings, simply power down without saving.

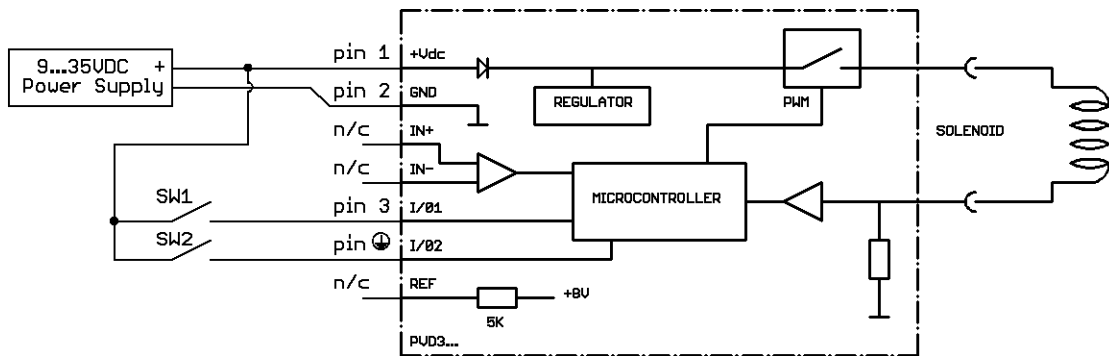
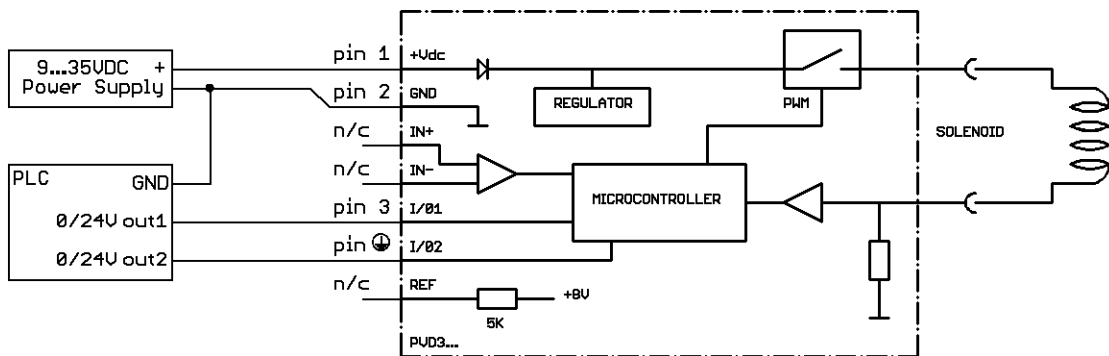


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Dimensions:



Wiring examples:



Note: do not connect pin ⊕ to ground.