

VDM10 & VDM40 VALVE DRIVER MODULE



The VDM10 was created to provide distributors with a programmable Valve Driver Module that can be stocked for a quick response to customer demands. With all the different Proportional Current valve configurations, the primary goal of the **VDM** is for a distributor to have versatility and inventory only one board instead of many. Via on board push buttons, LED bar graph and digital read-out, this module can easily be programmed on site. VDM has a max current output up to 2500ma and adjustable frequency up to 250 Hz.

- Power supply voltage range 10-32v
- Frequency from 40-250 Hz
- Max current output up to 2.5 amps
- Minimum coil resistance of 4 ohms
- Push button programmability
- Independent ramp up/down
- Three output ranges (Set Creep, Mid and High range outputs)



The VDM40 is a larger version of the versatile VDM10. This programmable Valve Driver Module is designed to drive up to 4 Proportional Current dual coil valves with 4 different command input signals. It has 8 inputs/output, which can be programmed for analog or digital signals. The HMI (Human Machine Interface) allows the customer to adjust the functionality with the 4 button membrane keypad and view each functionality through the 2 line by 16 character LCD display.

- 4 proportional valve output
- Power supply voltage range 10-32v
- 5V output to joystick controller
- Frequency from 40-250 Hz
- Max current output up to 2.5 amps
- Minimum coil resistance of 4 ohms
- Keypad programmability

**NOTE: POWER SOURCE TO THE VDM BOARDS MUST BE WIRED IN SERIES THROUGH AN E-STOP OR THROUGH A DEVICE WHICH WILL DISABLE POWER TO THE VDM WHEN NOT IN USE.
EXAMPLE: A JOYSTICK CONTROLLERS ENABLE OR CENTER OFF CONTACT**

WARNING: It is the purchaser's responsibility to determine the suitability of any OEM Controls product for an intended application, and to insure that it is installed and guarded in accordance with all federal, state, local and private safety and health regulations, codes and standards.

Due to the unlimited variety of machines, vehicles and equipment on which our controls are used, and the numerous standards which are frequently the subject of varying interpretation, it is impossible for OEM Controls personnel to provide expert advice regarding the suitability of a given controller for a specific application. The flexibility of our products allows us to offer thousands of custom configurations. We can advise you of the various features that are available and you can examine models to see what meets your needs. We believe our customers' engineering departments should be the qualified experts in their own product field. If the product will be used in a safety critical application, the customer must undertake appropriate testing and evaluation to prevent injury to the ultimate user.

Should you have any questions or if any of the above warning is unclear, please contact OEM Controls at 10 Controls Drive, Shelton, CT 06484, FAX: 203.929.3867, TEL: 203.929.8431.

