MICRO
VALVE DRIVER

The Micro Valve Driver is a fully configurable, current-regulated module that offers the OEM and end-user the ability to take joysticks, potentiometers, or any input signals and use them to control one or two hydraulic valves at their discretion. The user is able to dictate via jumper settings input and output parameters including, mins, maxes, ramps, and frequency of the outputs, providing the same level of configuration as our flagship model, the Universal Valve Driver.

A Palm interface is, however, on-board for users who want histograms, diagnostics, factory settings, and file-transfer for repeat programming. It accommodates up to 2 analog inputs, and up to 2 proportional outputs, allowing you the flexibility to control any equipment. RS-232 is present for the Palm interface which eliminates the use of DVM's and destructive harness probing when troubleshooting. It's built from scratch to withstand abuse; all inputs are protected to allow machine voltages to be used as input, and the unit is protected against short circuit, reverse battery, overload, and transient and inductive surges. It sits in a 3" square enclosure that's epoxy-potted to protect against the worst you can throw at it.

MECHANICAL

Weight	0.5 lb.	**Protection**	IP67
Operation Temperature	-40° to +85° C	**Housing Material**	Epoxy-potted ABS enclosure
Storage Temperature	-55° to +100° C	**Connections**	7 wires, 18 AWG GXL in a mesh loom.

ELECTRICAL

Communication	Serial: RS-232
Supply Voltage	9V – 30VDC
Analog Inputs	2 (0 to 5V). 9V to 30VDC, 100VDC transient protection. 10 bit resolution with on-board +5VDC regulated reference for joysticks, potentiometers, sensors, etc.
Standard Outputs	2 proportional, current-controlled outputs adjust for variation in coil resistance or input voltage. These outputs can be configured as on/off or non-current regulated propotional. PWM frequency adjustable 20 - 500Hz.
Output Rating	3 amp nominal, 5 amp max

3.8   1.5

3