

# OEMZL6104 Microstepping Drive/Controller

## OEMZL 6104 Drive/Controller —

The OEMZL6104 drive/controller combines the OEMZL drive with the flexibility of Compumotor's 6000 Series of controllers. This advanced design makes the OEMZL6104 drive/controller the highest value single-axis system in the industry.

### All The Features of the OEMZL4 Plus:

#### I/O

- Encoder channel configurable as hardware up/down counter
- Incremental encoder input for stall detect, position maintenance
- Home and end-of-travel limit inputs
- Two fast (trigger) inputs for position capture, registration, etc.
- 16 programmable inputs and 8 programmable outputs (Opto-22 compatible)
- One auxiliary programmable output

#### Language

- 150,000 bytes of non-volatile memory for storing programs and paths
- Interrupts program execution on error conditions
- Encoder and motor position capture (using trigger inputs)
- Registration (using trigger inputs)
- Selectable damping (programmable) to optimize performance for changing loads
- Variable storage, conditional branching and math capability
- Program debug tools – single-step and trace modes, breakpoints, error messages and simulation of I/O

## Motion Architect™ Makes It Easy

### Terminal Emulator

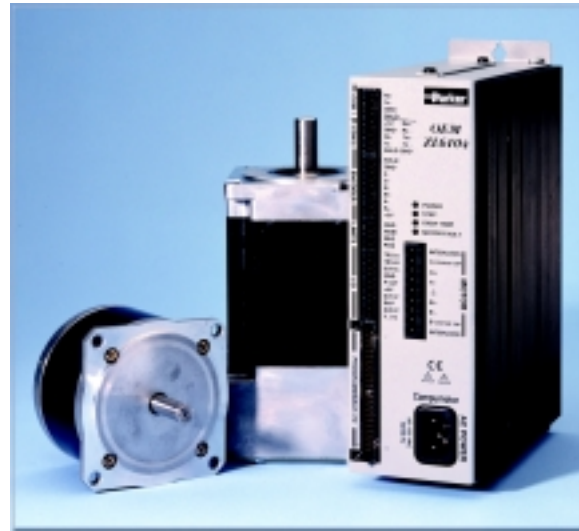
Download and upload 6000 programs to and from the controller. Go on-line and determine controller status.

### Test Panel

Create your own test panel to exercise your programs and check I/O, motion, system status and timers.

### Context Sensitive Help

Access help on 6000 programming commands or how to use a menu option.



### Software

- Motion Architect™, Microsoft® Windows™-based application development software
- Dynamic Link Library (DLL) provided for use with Microsoft® Windows™ and Microsoft Windows™ NT software development kits
- Compatible with Compumotor Motion Toolbox™ library of LabVIEW™ VIs, DDE server, and Motion Builder™ icon-based programming environment

### Interface Capabilities

- Direct interface to RP240 Remote Operator Panel
- Operates stand-alone or interfaces to PCs, PLCs, and thumbwheels
- One RS-232C communications port
- One RS-232C/485 communications port

### On-Line User Guides

- 6000 Series Software Reference Guide
- 6000 Series Programmers Guide



Find more technical product information on the web at [www.compumotor.com](http://www.compumotor.com)