TROUBLESHOOTING

LEDs:

• Status information (see command descriptions in 6000 Series Software Reference):

General status information	TASF, TSSF, TSTA
Limits (end-of-travel, home)	TASF, TLIM
P-CUT input	TINO (bit #6)
Programmable inputs and TRG-A/B	TIN, INFNC
Programmable outputs and OUT-A	TOUT, OUTFNC
Motor fault	TASXF (bit #1)
Low voltage fault	TASXF (bit #2)
Over temperature fault	TASXF (bit #3)

- V I/O must be connected to 5-24VDC for the P-CUT, HOM, NEG, POS, & TRG-A/B inputs to work.
- NEG & POS inputs must be grounded to GND terminal to allow motion (or disable with LHØ command).
- P-CUT input must be grounded to GND terminal to allow motion.
- · To help prevent electrical noise, shield all connections at one end only.
- Error messages while programming or executing programs see 6000 Series Programmer's Guide.



Product Type: OEMZL6104 Step Motor Drive/Controller

The above product is in compliance with the requirements of directives

- 72/23/EEC Low Voltage Directive
- 93/68/EEC CE Marking Directive

Additional Information:

For complete user documentation, please refer to the Compumotor web site (www.compumotor.com) where User Guides can be found on-line or hard copies requested.

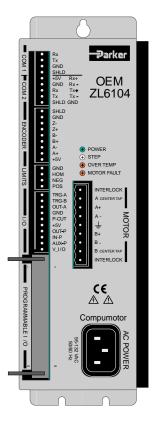
For questions, please contact:

Technical Assistance, Applications Engineering Department (e-mail tech_help@compumotor.com or call 800-358-9070 North America, 707-584-7558 International).

The following table describes which User Guides are applicable to the OEMZL6104:

Part Number	Title
88-014027-01	ZETA4 User Guide Note: All information contained within this user guide is applicable with the exception of the Active Damping feature. All references to this feature should be ignored.
88-015920-01	ZETA4 Drive and ZETA6104 Indexer/Driver User Guide Addendum LVD Installation Instructions Note: All information contained within this document is applicable to the OEMZL6104.
88-015436-01	EMC Installation Guide Note: Refer to the Step Motor Drives section of this document for applicable information

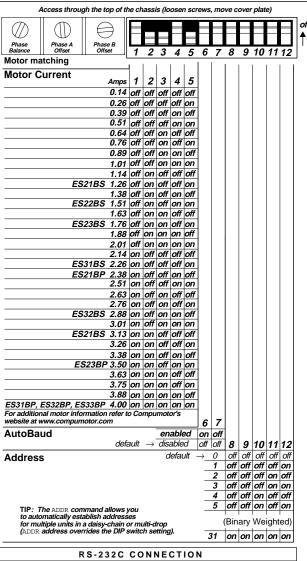
Quick Reference Guide



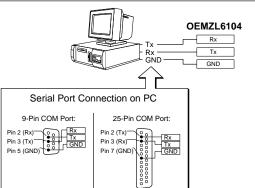
OEMZL6104 Drive/Controller

Compumotor Division
Parker Hannifin Corporation
p/n 88-018140-01 A
September 1, 1999

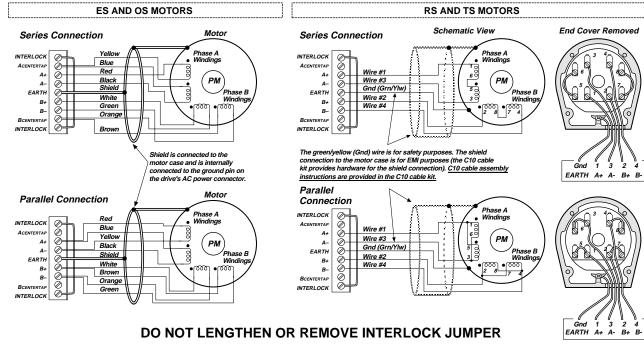




DIP SWITCH SETTINGS



MOTOR CONNECTIONS

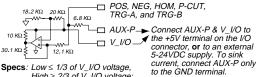


I/O SPECIFICATIONS & INTERNAL SCHEMATICS

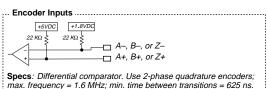
AC Input 95-132VAC, 50/60Hz, single phase

Serial Com RS-232C 3-wire: RS-485 4-wire (change iumpers JU1-JU6 to position 1, set JU7 to position 3 if you need 2-wire, select termination resistors). Up to 99 units in a daisy chain or multi-drop. 9600 baud 8 data bits; 1 stop bit; no parity.

... Limits, P-CUT, & Trigger Inputs



High $\geq 2/3$ of V_I/O voltage; Voltage range = 0-24VDC.



TTL levels (Low $\leq 0.4V$, High $\geq 2.4V$); range = 0-5VDC.

Programmable Inputs -

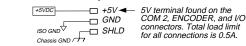
☐ General-Purpose Programmable Input ☐ IN-P (Connect to the +5V terminal on the I/O connector, or to an external supply of up to 24VDC. To sink current, connect to a GND terminal.)

Specs: HCMOS-compatible*; voltage range = 0-24VDC.

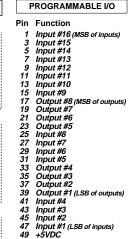
Programmable Outputs
— General-Purpose Prog. Output & OUT-A OUT-P (connect to the +5V terminal on the I/O connector, or to an external supply of up to 24VDC) **

Specs: Open collector output. Outputs will sink up to 300mA, or source up to 5mA at 5-24VDC.

Terminals found on multiple connectors



* HCMOS-compatible levels: Low ≤ 1.00V, High ≥ 3.25V.



Even numbered pins connected

to common logic ground.

STATUS LEDS

POWER Green when power is on

STEP Green when drive receives step; Green in auto test

OVER TEMP Red indicates over temp fault

MOTOR FAULT Red when drive detects short circuit in motor or motor cable;

Red if interlock is open

^{**} Disconnect from +5V terminal BEFORE connecting an external 5-24VDC supply