

# **Product Type: OEMZL6 Step Motor Drive**

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 you may download the user guides listed in the table below, or request printed user guides.

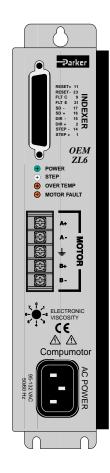
# For questions, please contact:

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 lists user guides that contain information applicable to the OEMZL6. You may also purchase these user guides as a set; order part number OEMZL6 KIT.

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/Drive 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



# **OEMZL6 Stepper Drive**

Compumotor Division Parker Hannifin Corporation p/n 88-018620-01 A May 15, 2000



#### DIP SWITCH SETTINGS Access through the top of the chassis (loosen screws, move cover plate) **SW 2** off 12 off 3 5 7 8 9 10 11 12 2 3 4 6 4 5 6 Phase Balance Phase A Offset Motor matching CURRENT 5 6 2 3 4 NO FUNCTION 0.21 off off off off off 0.39 off off off on NO FUNCTION 0.59 off off off on 0.77 off off off on on 0.96 off off on off off 3 1.14 off off on off 1.34 off off on on off NO FUNCTION off off on on NO FUNCTION 1.71 off on off off off 1.89 off on off off on 2.07 off on off on **ANTI-RESONANCE** ES31S, RS31S 2.27 off on off on on Anti-res. Enabled **DISABLE** 2.45 off on on off on Anti-res. Disable 2.64 off on on off ES32S, RS32S 2.82 off on on on off Full Current AUTOMATIC STANDBY 3.02 off on on on on 50% Current Standby 3.21 on off off off TS31S 3.39 on off off off ES33S, RS33S 3.57 on off off on 3.77 on off off on **INPUTS & OUTPUTS** 3.95 on off on off 4.14 on off on off on 4.32 on off on on ES31P 4.52 on off on on AC Input ...... 95-132VAC, 50/60Hz, single phase RS31P 4.70 on on off off off 4.89 on on off off on Internal Connections Controller 5.07 on on off on 5.25 on on off on on Connections 5.45 on on on off off $O^1$ RS32P, TS33S 5.63 on on on off on <sup>25</sup>O 01 ES32P 5.82 on on on off 240 Reset+ ES33P, RS33P, TS31P 6.00 on on on on on 8 Reset-O<sup>1</sup> 50,800 steps off off off on RESOLUTION 50,000 steps off off on off (steps per revolution) 36,000 steps off off on on O' Fault C $^{20}$ O 25,600 steps off on off off 0 Fault E 25,400 steps off on off on <sup>19</sup>O Default Setting 25,000 steps O off off off off <sup>18</sup>O 21,600 steps off on on off O<sup>5</sup> Shutdown-20,000 steps off on on on O 18,000 steps Shutdown+ on off off off 12,800 steps O. on off off on Direction-10,000 steps on off on off Direction+ 5,000 steps off on on on Step-• 2,000 steps on on off off Step+ 1,000 steps on on off on 400 steps on on on off 200 steps lon Ion Ion Ion **WAVEFORM** Default Setting -4% 3rd harmonic off off -10% 3rd harmonic off on STATUS LEDS -6% 3rd harmonic on off Pure sine on on POWER Green when power is on **AUTOMATIC TEST<sup>2</sup>** 7 8 9 10 11 Green when drive receives step on on on on on Flashes Red/Green in auto test S&D/CW&CCW<sup>2</sup> OVER TEMP Red indicates over temp fault Step & Direction Indexer

MOTOR FAULT Red when drive detects short

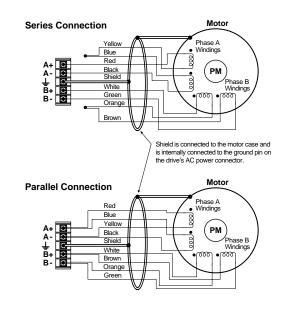
circuit in motor or motor cable

# 2. The drive reads these switches only upon power up. It reads all other switches continuously.

Clockwise & Counterclockwise Indexer

# MOTOR CONNECTIONS

### **ES AND OS MOTORS**



## **RS AND TS MOTORS**

