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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:

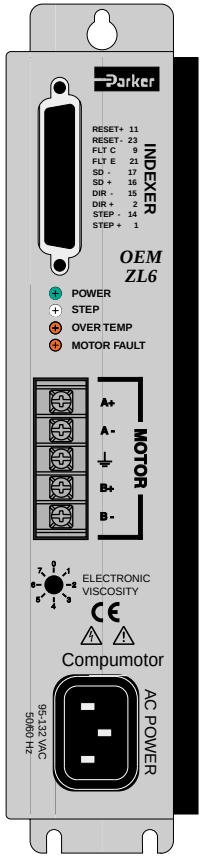
For complete user documentation, please refer to the Compumotor web site (www.compumotor.com), where you may download the user guides listed in the table below, or request printed user guides.

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



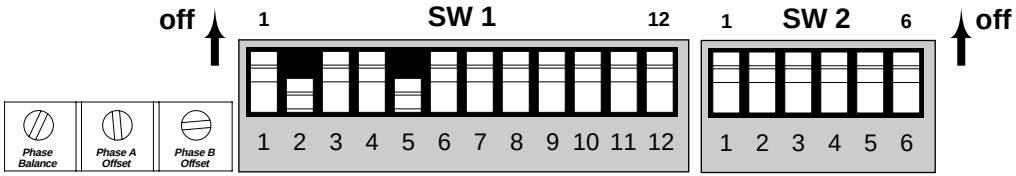
OEMZL6 Stepper Drive

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

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DIP SWITCH SETTINGS

Access through the top of the chassis (loosen screws, move cover plate)



Motor matching

CURRENT

(amps)	1	2	3	4	5
0.21	off	off	off	off	off
0.39	off	off	off	off	on
0.59	off	off	off	on	off
0.77	off	off	off	on	on
0.96	off	off	on	off	off
1.14	off	off	on	off	on
1.34	off	off	on	on	off
1.52	off	off	on	on	on
1.71	off	on	off	off	off
1.89	off	on	off	off	on
2.07	off	on	off	on	off
ES31S, RS31S 2.27	off	on	off	on	on
2.45	off	on	on	off	off
2.64	off	on	on	off	on
ES32S, RS32S 2.82	off	on	on	on	off
3.02	off	on	on	on	on
TS32S 3.21	on	off	off	off	off
TS31S 3.39	on	off	off	off	on
ES33S, RS33S 3.57	on	off	off	on	off
3.77	on	off	off	on	on
3.95	on	off	on	off	off
4.14	on	off	on	off	on
4.32	on	off	on	on	off
ES31P 4.52	on	off	on	on	on
RS31P 4.70	on	on	off	off	off
4.89	on	on	off	off	on
5.07	on	on	off	on	off
5.25	on	on	off	on	on
5.45	on	on	on	off	off
RS32P, TS33S 5.63	on	on	on	off	on
ES32P 5.82	on	on	on	on	off
ES33P, RS33P, TS31P 6.00	on	on	on	on	on

RESOLUTION[2]

(steps per revolution)

	6	7	8	9
50,800 steps	off	off	off	on
50,000 steps	off	off	on	off
36,000 steps	off	off	on	on
25,600 steps	off	on	off	off
25,400 steps	off	on	off	on
Default Setting **25,000 steps**	**off**	**off**	**off**	**off**
21,600 steps	off	on	on	off
20,000 steps	off	on	on	on
18,000 steps	on	off	off	off
12,800 steps	on	off	off	on
10,000 steps	on	off	on	off
5,000 steps	on	off	on	on
2,000 steps	on	on	off	off
1,000 steps	on	on	off	on
400 steps	on	on	on	off
200 steps	on	on	on	on

WAVEFORM[2]

	10	11
Default Setting **-4% 3rd harmonic**	**off**	**off**
-10% 3rd harmonic	off	on
-6% 3rd harmonic	on	off
Pure sine	on	on

AUTOMATIC TEST[2]

6	7	8	9	10	11
on	on	on	on	on	on

S&D/CW&CCW[2]

	12
Step & Direction Indexer	off
Clockwise & Counterclockwise Indexer	on

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

5	6	NO FUNCTION
		NO FUNCTION
3	4	
		NO FUNCTION
		NO FUNCTION

ANTI-RESONANCE DISABLE

2	
off	Anti-res. Enabled
on	Anti-res. Disabled

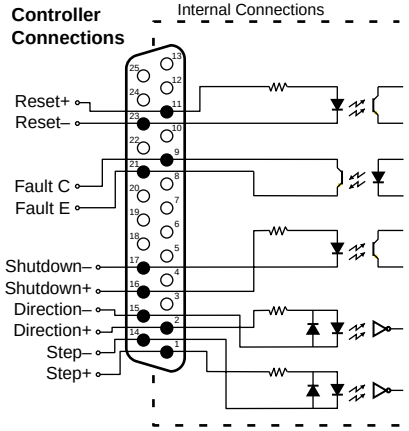
AUTOMATIC STANDBY

1	
off	Full Current
on	50% Current Standby

INPUTS & OUTPUTS

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

Controller Connections



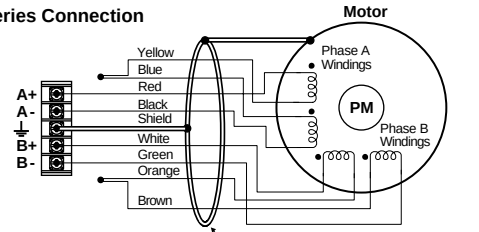
STATUS LEDS

POWER	Green when power is on
STEP	Green when drive receives step Flashes Red/Green in auto test
OVER TEMP	Red indicates over temp fault
MOTOR FAULT	Red when drive detects short circuit in motor or motor cable

MOTOR CONNECTIONS

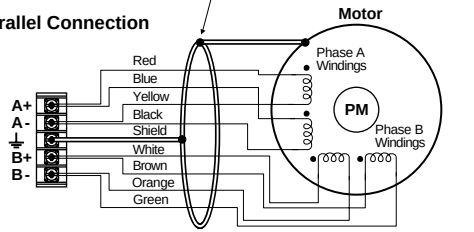
ES AND OS MOTORS

Series Connection



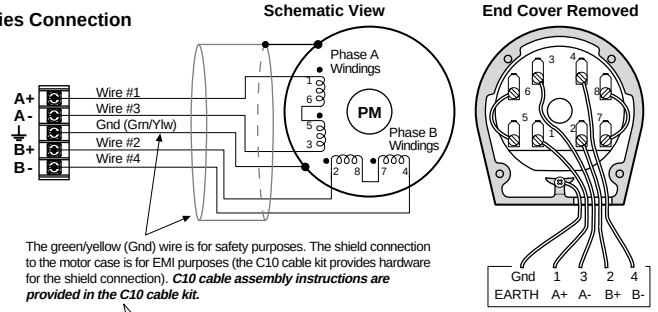
Shield is connected to the motor case and is internally connected to the ground pin on the drive's AC power connector.

Parallel Connection



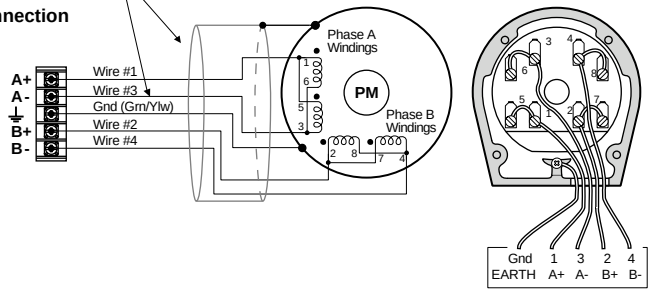
RS AND TS MOTORS

Series Connection



The green/yellow (Gnd) wire is for safety purposes. The shield connection to the motor case is for EMI purposes (the C10 cable kit provides hardware for the shield connection). ***C10 cable assembly instructions are provided in the C10 cable kit.***

Parallel Connection



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