

PMD/PML 4.0 STEP MOTION SYSTEM (WITH FOUR AMP COIL DRIVERS)

OPERATION AND INSTALLATION MANUAL

SECTION 1: PMD/PML DRIVER CASE

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| THE MOTION GROUP | SERVICE CENTER 800-424-STEP |
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General Description. The PMD/PML 4.0 (4 amps/coil) series is identical to the PMD/PML 2.0 series with the following exceptions:

- 1) The unit supports 4 amps of motor current; factory pre-set is 4 amps.
- 2) The unit supports Full, Half, Quad, and Octal stepping angle.
- 3) All units are Auto-Park (AP); park power is pre-set to 50% of the current adjustment dial.

Current and Step Angle Setting. Remove the lid to access the amplifier cards.

If required, adjust the blue pot located on the card edge to set the desired output current as required; pot is normally set to 4.0 amps; full CW.

Select the two jumper blocks for the desired step angle per the following table.

| <u>JP1</u> | <u>JP2</u> | <u>STEP ANGLE</u> | |
|------------|------------|-------------------|--------------------------------------|
| OPEN | OPEN | 1/8 STEP | (not recommended) |
| OPEN | JUMP | 1/4 STEP | (factory pre-set) |
| JUMP | OPEN | 1/2 STEP | (not recommended) |
| JUMP | JUMP | 1/1 STEP | (used for hi-speed or hi-power only) |

NO OTHER SERVICE IS POSSIBLE. CALL THE TMG SERVICE CENTER FIRST !