

# **TST 4.0 STEP MOTION SYSTEM (FOUR AMP / COIL DRIVER)**

**OPERATION AND INSTALLATION MANUAL**

**SECTION 1: TST DRIVER CASE**



**SERVICE CENTER  
1-800-424-STEP**

**PO BOX 4585 MOUNTAIN VIEW, CA 94040 TEL: 650-969-5829 FAX: 650-968-6192**

**General Description.** The TST 4.0 (4 amps/coil) series is identical to the TST 2.0 (2 amps/coil) series with the following exceptions:

- 1) The unit supports 4 amps of motor current; factory pre-set is 4 amps.
- 2) The unit may require additional cooling across the heat-sink or mounting the bottom of the enclosure to a heat-sinking surface.
- 3) The unit supports Full, Half, Quad, and Octal stepping angle.
- 4) All units are Auto-Park (AP); park power is pre-set to 50% of the current adjustment dial.

**Current and Step Angle Setting.** To remove the lid and access the amplifier card settings, remove the 10 hexhead screws. Note the location of the 2 short (red) screws. Set the box on a side and fold the lid outward until it lays flat. Do not pull or relocate the wiring.

As required, adjust the blue pot located on the card edge to the percentage of 4 amps for the desired output current; normally set to 100% (4.0 amps) or full CW.

Select the two jumper blocks for the desired step angle per the following:

<u>JP1</u>	<u>JP2</u>	<u>STEP ANGLE</u>	
OPEN	OPEN	1/8 STEP	(norm. not used; call Service Center)
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 !**