

Document 250-0288A

Addendum to MMBOSS User's Manual 250-0288, rev 0

General Information

This addendum contains information not discussed in revision 0 of the user's manual. It has been added to revision 1 of this manual.

Printer's Instructions

Please print page 2 of this addendum on adhesive paper, and kiss-cut along the dotted lines. Page 1 may be printed on standard bond paper.

Installation Instructions

- 1) Check the revision level of user manual 250-0288. If the revision level is 0, this addendum is required. If the revision level is 1 or higher, this addendum is not required.
- 2) Peel each page and attach to page 21 or 28 as required.
- 3) The page labeled "Jumper Settings" must be inserted into page 21 of the user's manual. Ensure that the page number at the top of the page remains visible when inserting the replacement page.
- 4) The page labeled "Gain" must be inserted into page 28 of the user's manual. Ensure that the page number at the top of the page remains visible when inserting the replacement page.

Jumper Settings

Input Voltage Range Select (SW501)

Jumper SW501 selects the DC input voltage range. Jumper terminals 1 and 2 for a voltage range of 15 - 40 VDC (this is the factory setting). Jumper terminals 2 and 3 for 12 - 15 VDC input.

Hall Sensor Spacing (SW502)

NOTE: This drive provides a +5 VDC, 20mA maximum output to drive the Hall sensors. To run with encoder (hall-track) feedback, refer to Figure 7. This voltage is provided at TB501 terminal 11 (V_{ref}) and terminal 12 (ground).

Set the motor hall sensor header according to the hall effect feedback spacing. Jumper SW502 if the hall effect feedback spacing is 120°. Do not add a jumper if the hall effect feedback spacing is 60°. The factory default is 120° (installed).

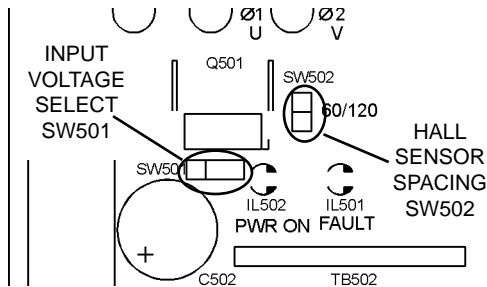


Figure 8. Jumper Locations

GAIN

The GAIN setting determines motor regulation under load. As a rule, the factory setting (at 12 o'clock) is sufficient for most applications.

Set the gain trimpot full CCW for minimum regulation, or full CW for maximum regulation. Test the motor gain by applying a load to the motor and checking the change in motor speed. The drive will maintain motor speed better with higher gain settings.

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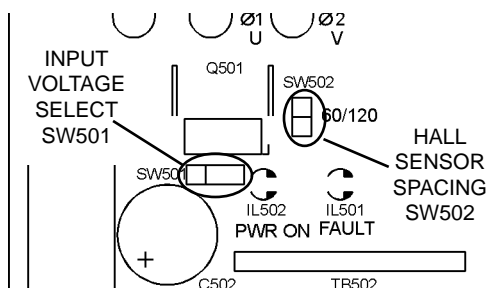


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