LITEON

Line Driver PG Option Card ‖ User Manual

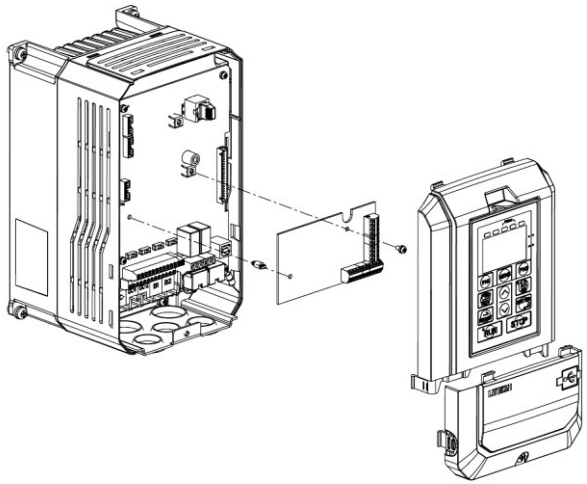
a. Warning

1. Read the manual before installing EVO8-PG-L..
2. Use shielded control cable to prevent noise interference. Separate it from the main circuit cable, power cable and relay circuit.
3. EVO8-PG-L only works with line driver encoders with cable length less than 100 meters.
4. The maximum response of EVO8-PG-L is 300 kHz.

b. Installation

1. Please refer to"c. Installation Illustration" .
2. Shut down the power to the main circuit and wait until the "CHARGE "indicator light is off. Then open the EVO 8000 AC drive terminal cover and front cover.
3. Connect the connector PJ4 on PG card to connector J3 (14 pins) on the drive control board, and affix the plastic bar through the hole on the PG card until " click" sound.
4. Connect the ground terminal PE on the PG card to the ground terminal PE on the control board.
5. Connect the control cable to the EVO8-PG-L terminals.
6. Affix the front cover and the terminal cover back to the drive.

c. Installation Illustration



d. Parameter Setting

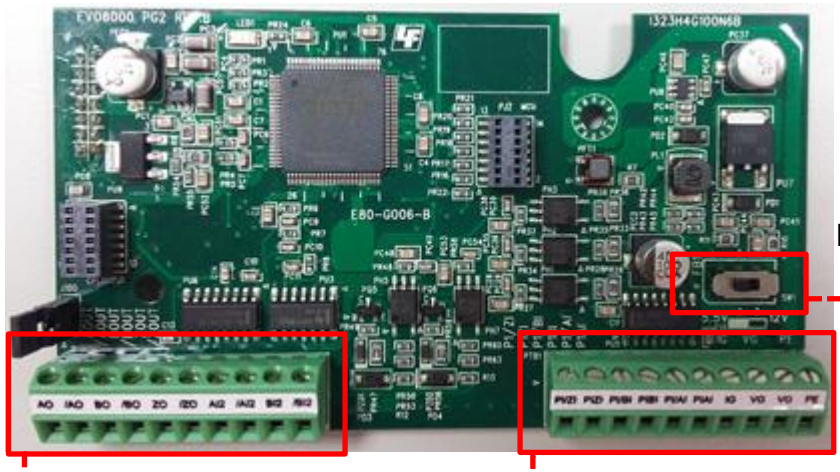
AC Drive Parameter		Description
A1-02	Control Method Selection	Selects the control method with PG card
t1-08	PG Number of Pulses Per Revolution	Sets the number of pulses per revolution for the PG (pulse generator or encoder).
F1 group	PG Card Settings	Sets the parameters for PG option card

*Refer parameter details to EVO8000 user manual.

e. Terminals

Terminal Code	Description
VG	Encoder power connector. 12.5/5.5V +-5% , 200mA
IG	Power and input signal level
A1,/A1, B1,/B1, Z1, /Z1	Encoder signal input terminal. The power supply must be 2 phase to have the correct division ratio output. Input type: RS-422 level input
AO,/AO, BO,/BO, ZO, /ZO	A and B phase division ratio output terminal. Z phase monitor output terminal. Output type: RS-422 level output
A2,/A2, B2,/B2	Terminal for controller A, B phase command input (Accept command when the A pulse leads or followed by the B pulse displaced at 90 degrees)
PE	Group terminal

f. EVO8-PG-L Appearance



g. Wiring