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LC-241

User Manual

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Specifications

- Voltage: 11V - 28V
- Max Current: 8A (12V/ 24V)
- Current Protection: 9A (12V/ 24V)
- Max Electric Speed: 240000 RPM

Functionality

Speed Control Model: Open loop or closed loop control.

Speed Adjustment 1 (SPD2):

- Internal potentiometer, reduce speed by rotating CCW and increase by rotating CW
- Short circuit between "SPD" and "GND"

Speed Adjustment 2 (SPD):

- Add a potentiometer between "SPD" and "GND"
- Linear relationship between speed and voltage
- Rotate internal potentiometer to MINIMUM in CCW direction

(Normally, we select 1 as it has a better result than an external potentiometer).

Start/Stop (RUN):

- Short circuit between "RUN" and "GND"
- Stop if open circuit

Reverse (REV):

- Short circuit between "RUN", "REV" and "GND"
- Stop if open circuit

Pulses (PLS):

- Unused

Notes

Protection Function: Current protection, thermal protection, voltage protection, motor stall protection, starting protection, etc.

Error Codes:

Times of flashing	Items	Reason
1	Over Current	The current of motor is has exceeded rated current.
2	Abnormal Voltage	Low or high voltage.
3	MOS Power tube	The temperature of power tube is above 110°C.
4	Start Failure	The motor has malfunctioned.
5	Hardware Failure	MOS tube failure or Drive IC failure.
6	Motor Phase	Three phase motor is not connected.

Pin Out Diagram

