

L2 Series

Low Voltage Brushless Controller



Safety Features

- Throttle Pot Protection from a loss or shorted pot
- Full Stop Software brings the load to a complete and Smooth Stop
- Controlled Emergency Stop
- Charger inhibit prevents operation while charging
- Throttle monitor confirms no command @ power up
- Control can resist motion if "ON" & brake is released
- Control can be totally inhibited if brake is released
- Control can power up on its own to stop a runaway even if the key is off

Performance Features

- Low Voltage supplies from 24 and 48 Vdc
- Peak Currents from 70 to 100 A
- Controls 4 & 8 Pole MCG Motors
- Smooth, Low Speed Performance
- Regenerative Braking is Smooth and Efficient
- Input: Throttle & Max. Speed Pot, Key, High Low Speed
- Single Ended or Bi-Directional (Wig-Wag) Control
- Parking Brake Operation w/ Manual Release Inhibit
- Increased Power with MCG "Turbo" Technology
- Numerous Fault Protection Modes with Indication

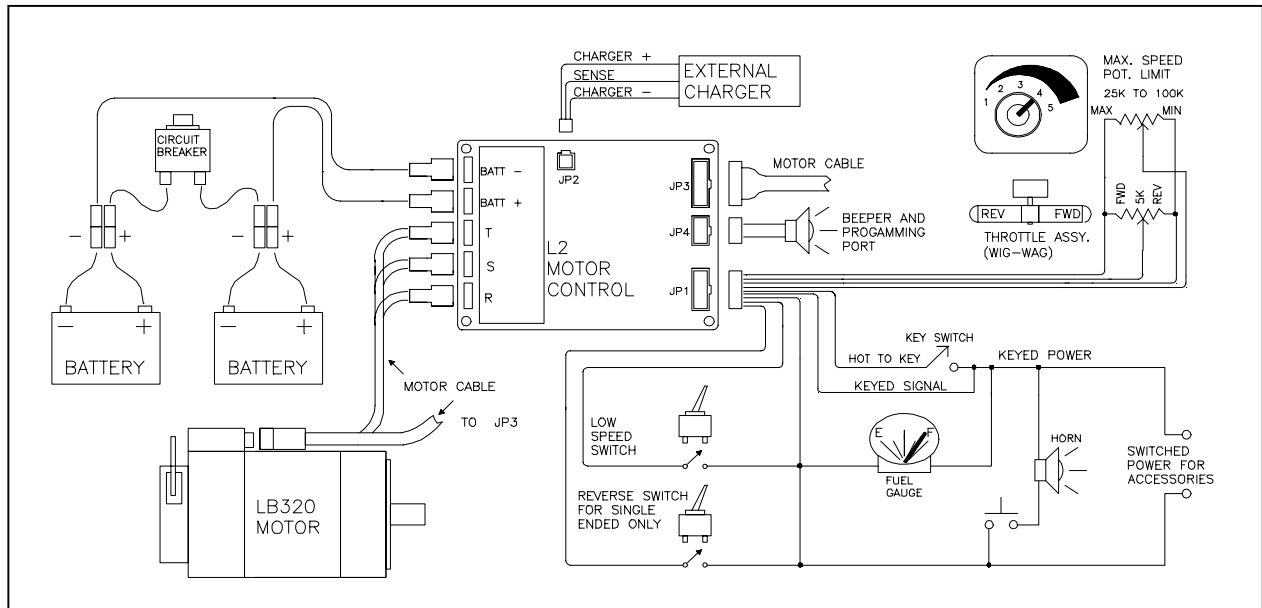
Programmable Features

- Independent Accel, Decel & Rev. Decel program ramps
- High, Low and Reverse Speed Settings
- Programmable Peak Current
- Beeper Control for Direction or Fault indication
- Shutdown Inactivity Timer saves battery life

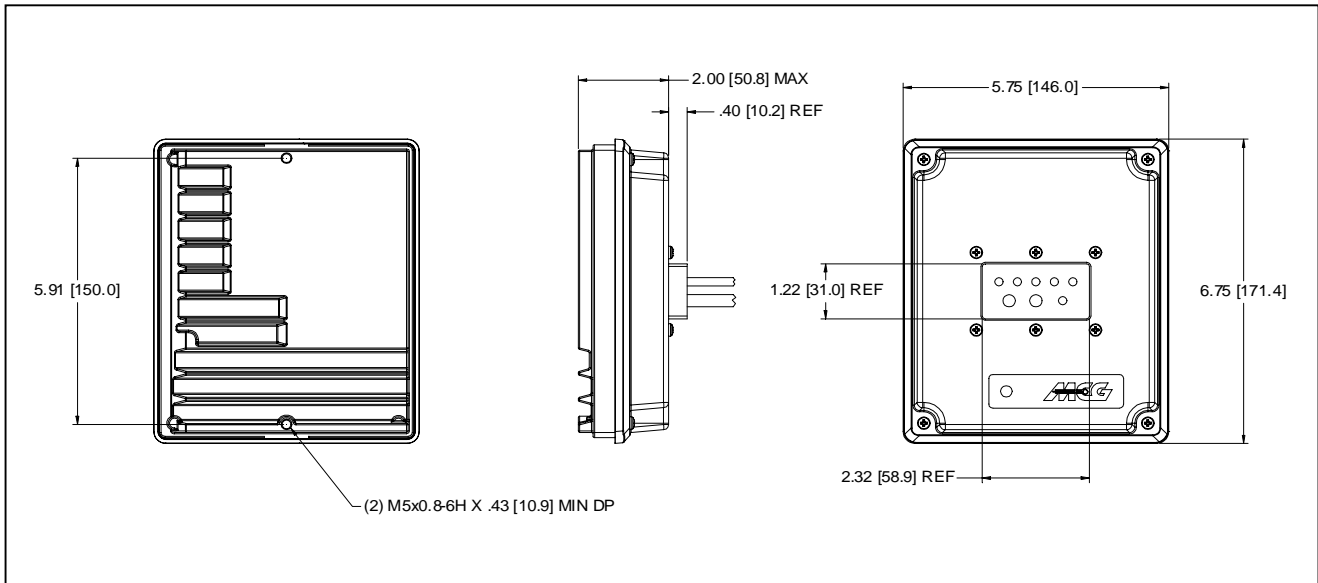
Options

- Sealed Splashproof enclosure - IP64
- Special Cable Connectors
- 36 V, 100 A Possible
- Special Cable Connectors

TYPICAL SYSTEM DIAGRAM



DIMENSIONS



GENERAL PERFORMANCE	Units	L2-24-70	L2-24-100	L2-48-100
Operational Voltage	V dc	24	24	48
Peak Current Output (30 sec)	A	70	100	100
Continuous Output Current	A	30	40	40
Maximum Voltage	V dc	28	28	56
Low Voltage (Undervoltage Warr)	V dc	20	20	38
Minimum Voltage (Undervoltage fault)	V dc	16	16	31
CONTROL				
B+ Line for Accessories (Resetting Fuse)	A		5	
Throttle Potentiometer Value	Ohms		5k	
MECHANICAL				
Maximum Environmental Temperature	°C		50	
Weight	LB		2.75	

HOW TO ORDER

L **2** - **2** **4** - **1** **0** **0** - **A** **A**

Lightning Control

L2

Input Voltage

24 = 24 Vdc Input
48 = 48 Vdc Input

Peak Current

70 = 70 A (24 V Models)
100 = 100 A (24 & 48 V Models)

Mounting Flange - Option End

AA = Open Chassis w/ Spade Connections
AC = Sealed Chassis w/ Brake Disable
AF = Sealed w/ Failsafe Brake Disengage