

DESCRIPTION

The controller is available with a few options. These options are:

Current limit (4 Amp to 50 Amp) This option lets you choose what the maximum continuous current limit of the controller will be. If you choose the 4A model, then the maximum continuous current you can draw from the unit is 4 Amps, Or, if you select the 50A model, you can draw a maximum current of 50A continuous.

Hall Effect This option gives you an external connector that will allow you to hook up a hall effect device to control the motor speed. Hall effect devices typically include motorbike style throttles, Thumb throttles and foot throttles. The output from a Hall Effect device differs in voltage from a standard potentiometer, which means that if you were to plug a hall effect device into a potentiometer socket you may not have a full range of control! For example, you may only see a full range from 5% to 60% speed variation!

The controller can work with voltages between 12V to 24V (Absolute upper maximum voltage) and can power DC Brushed motors from 12V to 24V

HEMKUNT electronics specializes in customizing designs to specific customer needs for a wide range of applications. Please feel free contact us to provide the optimal solution for your specific needs.

HEMKUNT ELECTRONICS

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APPLICATIONS

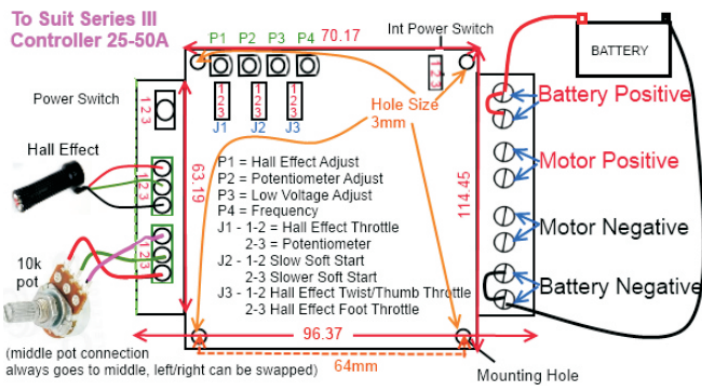
- Scientific Instruments
- OEM Applications
- Packaging
- 12/24 Volt DC Applications
- Automobile industry
- Sewing machines and many more

FEATURES &

TECHNICAL SPECIFICATIONS

- # 12V-24V Input Voltage (Battery Bank) 12V-24V (Regulated Power Supply)
- # Simple to setup and use!
- # 0-100% Speed Regulation!
- # Constant torque with Pulse Width Modulation (PWM)
- # High Quality Industrial Design
- # Efficient High Voltage Regulator
- # On/Off Switch (Built in!)
- # 3 Soft start settings (Off, Slow, Slower) ramps up to the desired speed once the controller is switched on, and unlike cheap controllers every time you switch it off and on (using the switch) it will ramp up to speed again!
- # 25A Continuous Duty
- # High Speed Mosfet driver averaging 1.6uS opening/closing times
- # High Current 180A Mosfets with worlds lowest RDS On in TO-220!
- # Low Battery Voltage cut-out (for 12V, 24V)
- # Adjustable Frequency From 300Hz to 10Khz
- # Can work with Hall Effect Throttles (Model Dependent)
- # Over voltage Protected, ESD Protected!
- # Filtering, Clamping & Snubber Protection Included
- # Adjustable Start Positioning for Hall effect and Potentiometer setups
- # Terminal Block For simple connections
- # External connectors for Hall Effect or Potentiometer, so you can make your own cable lengths up to 5m!
- # Passive cooling! No fans to break down or sieze up!!
- # Highly Configurable!
- # Potentiometer, Hall effect throttle or Hall Effect Foot throttle options!
- # Suitable for use with power supplies (Doesn't feed excess power back into the source)

Controller Jumpers & Connections



WARRANTY STATEMENT

For any defects caused by mal-manufacture , the user can return the device to the manufacturer for repair or replacement within 12 months from factory delivery . This warranty does not apply to any defects caused by misuse and improper storage.

As a result of our policy of continual improvement, the information in this document is subject to change without any notice and it is intended only as general guidance on product performance and suitability. This information shall not form part of any contract.

our product should be installed by a qualified personnel only, therefore any use of this application is at the installer's own risk and should be accessed appropriately.

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