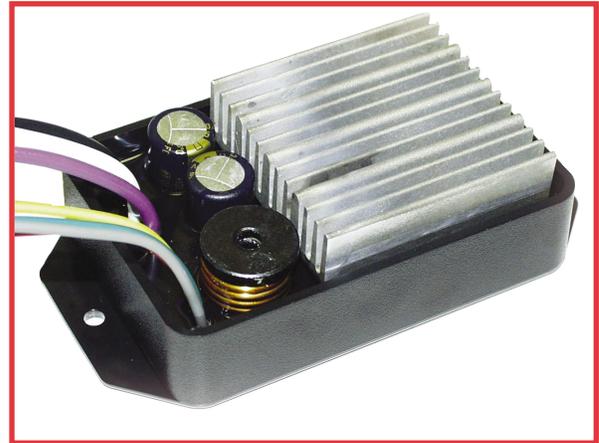




Soft Start DC Motor Speed Control

Looking for a solution to DC motor problems? Carling Technologies has the answer with our new Soft Start DC Motor Speed Control. Our solid state design increases reliability, improves efficiency, safety, and eliminates the need for costly field repairs associated with solenoid resistor style units. In addition, the compact envelope occupies less space, generates only minimal heat and is programmable to meet customer specifications. Use this control in conjunction with Carling Technologies V-series switches to assure a safe, reliable, environmentally protected alternative to traditional means.



Design Features Include:

- 12 and 24 volt DC motor versions available
- Programmable current ratings up to 30A
- Provides both short circuit and overload protection
- Controller Chip eliminates "Reverse Bias" concerns
- Soft start feature entirely eliminates inrush current
- Standard offering features 3 speed selections: Low, Medium and High
- Optional design accommodates variable speed selections
- Majority of the power transfers from voltage supply to motor, which greatly improves system efficiency
- Maximum current can be programmed in accordance with customer requirements
- Motor speed remains constant regardless of the fluctuation in the supply voltage
- System will automatically shut off when current increases beyond programmed limit
- Potted environmentally-sealed construction eliminates corrosion and affords long life
- Compatible with Carling V-series as well as a variety of additional rocker, toggle or rotary switches
- Built-in EMI/RFI filters keep motor noise to a minimum

Product Bulletin 100R March 19, 2003

For additional information on our Soft Start DC Motor Speed Control, please contact a Carling Technologies Technical Customer Service Rep:

Phone (860) 793-9281
Fax (860) 793-9231
email sales@carlingtech.com
internet www.carlingtech.com
mail Carling Technologies, Inc.
60 Johnson Avenue
Plainville, CT 06062-1177

Warranty Policy

Carling Technologies, Inc. (Seller) warrants that goods sold hereunder shall be free of defects in material and workmanship for one year from date of shipment.

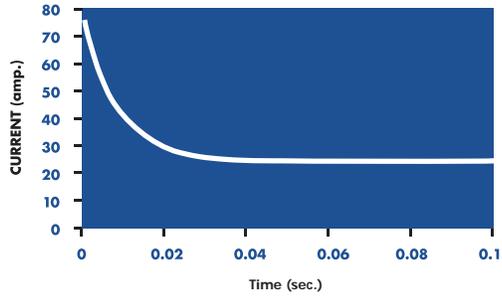
In the event of such defects, the Seller's only obligation shall be the replacement or the cost of the defective goods, themselves, excluding, without limitation, labor costs, which are or may be required in connection with the replacement or reinstallation of the goods. This warranty is the Seller's sole obligation and excludes all other remedies or warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, whether or not purposes or specifications are described herein. This Warranty expressly excludes any and all incidental, special and/or consequential damages of any nature. Seller further disclaims any responsibility for injury to person or damage to or loss of property or value caused by any product which has been subjected to misuse, negligence, or accident; or misapplied, or modified or repaired by a person or persons not authorized by the Seller or which have been improperly installed.



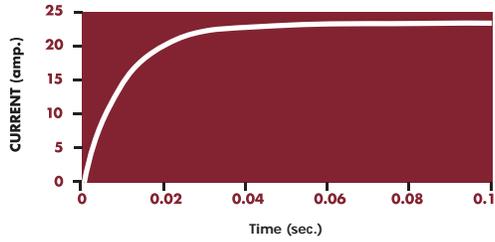
Carling Technologies™

Innovative Designs. Powerful Solutions.

Soft Start DC Motor Speed Control

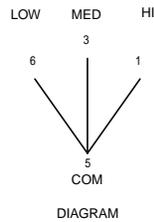
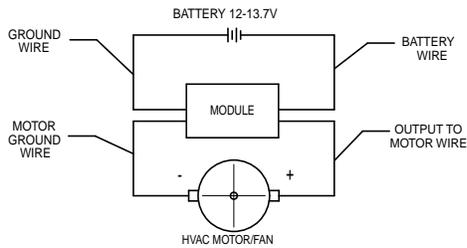
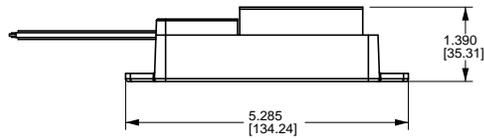
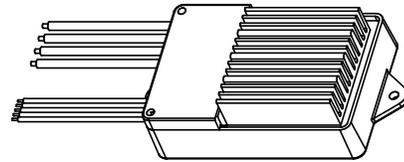
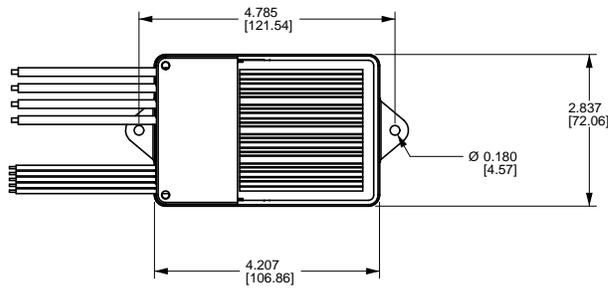


MOTOR START-UP
CURRENT DRAW
WITHOUT
CONTROL MODULE



MOTOR START-UP
CURRENT DRAW
WITH
CONTROL MODULE

Dimensional Specifications



NOTE:
USE V SERIES CIRCUIT "E"
TO OPERATE MOTOR
RATING CODE 1 GOLD CONTACTS

NOTE
Dimensions are in in. [mm].



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