

3540i

DC Microstep Drive w/ Si Programming



Product Features

- On-board indexer
- Si programming
- Microstepping
- Idle current reduction
- Programmable motor current
- 8 user-programmable inputs
- 3 user-programmable outputs
- Screw terminals



Description


The 3540i step motor drive is a programmable, microstepping, bipolar stepper drive suitable for a wide range of motion control applications. It includes an intuitive, user-friendly programming language for creating powerful indexing programs that are stored in the drive and allow the drive and motor to run stand-alone. 8 digital inputs and 3 digital outputs facilitate interfacing to other devices, such as PLCs, sensors, switches, etc.

The 3540i includes Applied Motion's easy-to-use Si Programmer™ software for the rapid development of stand-alone motion control programs. The 3540i can also be controlled via streaming serial commands using Applied Motion's Serial Command Language (SCL).

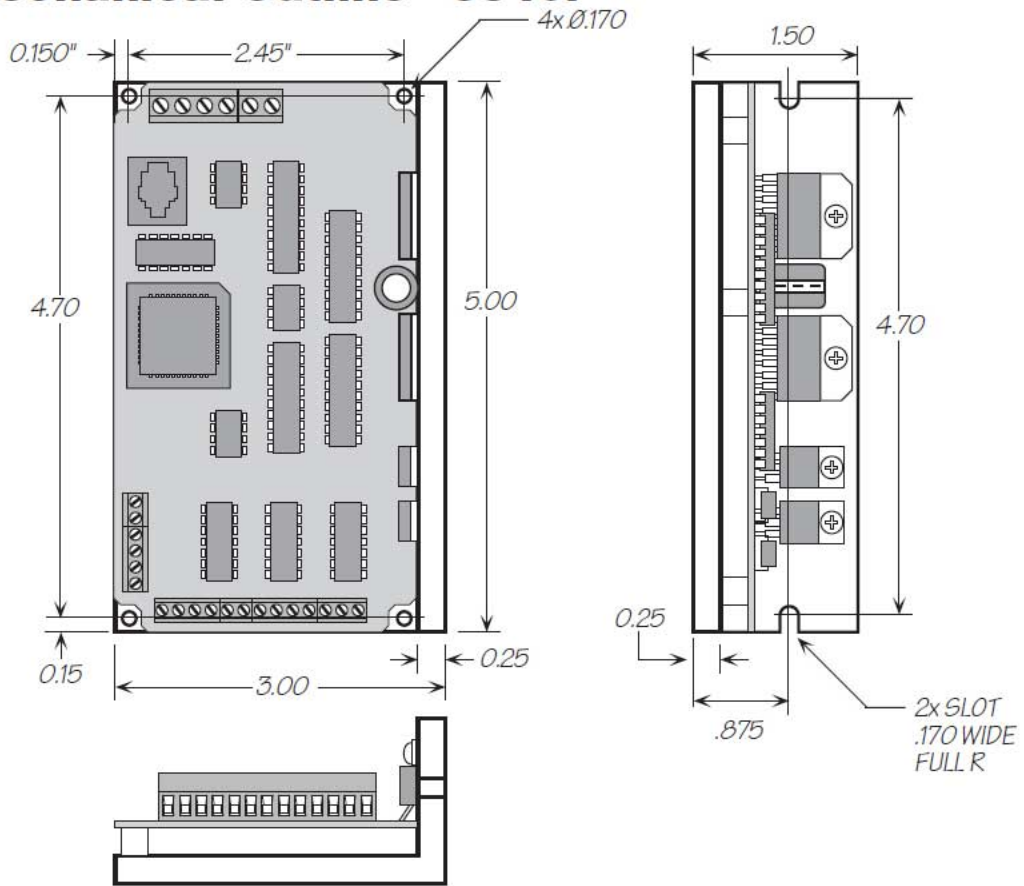
Specifications

Model Number	3540i
Part Number	1000-174
Supply Voltage	12-42 VDC
Supply Voltage Type	DC
Control Modes	<ul style="list-style-type: none">• Streaming Commands• Si Programming• SiNet Hub Compatible
Output Current	0.21-3.5 A/phase
Communication Ports	<ul style="list-style-type: none">• RS-232
Encoder Feedback	No
Step Resolution	<ul style="list-style-type: none">• Microstepping
Idle Current Reduction	0%, 25%, 50%, or 100%
Setup Method	Software setup
Digital Inputs	8
Digital Outputs	3
Analog Inputs	NA
Dimensions	5.0 x 3.0 x 1.5 inches
Weight	11.7 oz
Operating Temperature Range	0-70 °C
Ambient Temperature Range	0-55 °C
Ambient Humidity	90% max, non-condensing
Status LEDs	1 red/green
Circuit Protection	NA

Software

Software Downloads	<ul style="list-style-type: none">• SCL Utility• Si Programmer™
Sample Code	<ul style="list-style-type: none">•  scldemo.zip

Mechanical Outline - 3540i



Mechanical Outline - Optional MMI

