

1240i

DC Microstep Drive w/ Si Programming



Product Features

- *Microstepping*
- *Programmable motor current*
- *Idle current*
- *8 user-programmable inputs*
- *3 optically isolated outputs*
- *Screw terminal connectors*

Description

The 1240i is a programmable step motor driver suited for a wide range of motion control applications. It includes a sophisticated controller integrated with a 48-watt microstepping amplifier.

The 1240i includes Applied Motion's easy to use Si Programmer™ Windows software for the rapid development of stand-alone motion control programs. The 1240i can also be commanded from a host PC or PLC, using the Serial Command Language (SCL). For multi-axis applications, up to eight Applied Motion Si™ drives (stepper and servo) can be networked using a single SiNet™ Hub.

The 1240i includes eight (8) optically isolated programmable inputs for triggering, branching, position sensing and end of travel detection. Three (3) optically isolated programmable outputs can send signals to other electronic devices and activate relays.

Specifications

Model Number:	1240i
Part Number:	1000-202
Supply Voltage:	12-42 VDC
Supply Voltage Type:	DC
Control Modes:	Streaming Commands Si Programming SiNet Hub Compatible
Output Current:	0.1-1.2 A/phase
Communication Ports:	RS-232
Encoder Feedback:	No
Step Resolution:	Microstepping
Idle Current Reduction:	0, 25, 50 or 100%
Setup Method:	Software setup
Digital Inputs:	8
Digital Outputs:	3
Analog Inputs:	0
Dimensions:	4.0 x 3.0 x 0.65 (w/o standoffs) inches
Weight:	2.4 oz
Operating Temperature Range:	0-70 °C
Ambient Temperature Range:	0-50 °C
Ambient Humidity:	90% max, non-condensing
Status LEDs:	1 red, 1 green

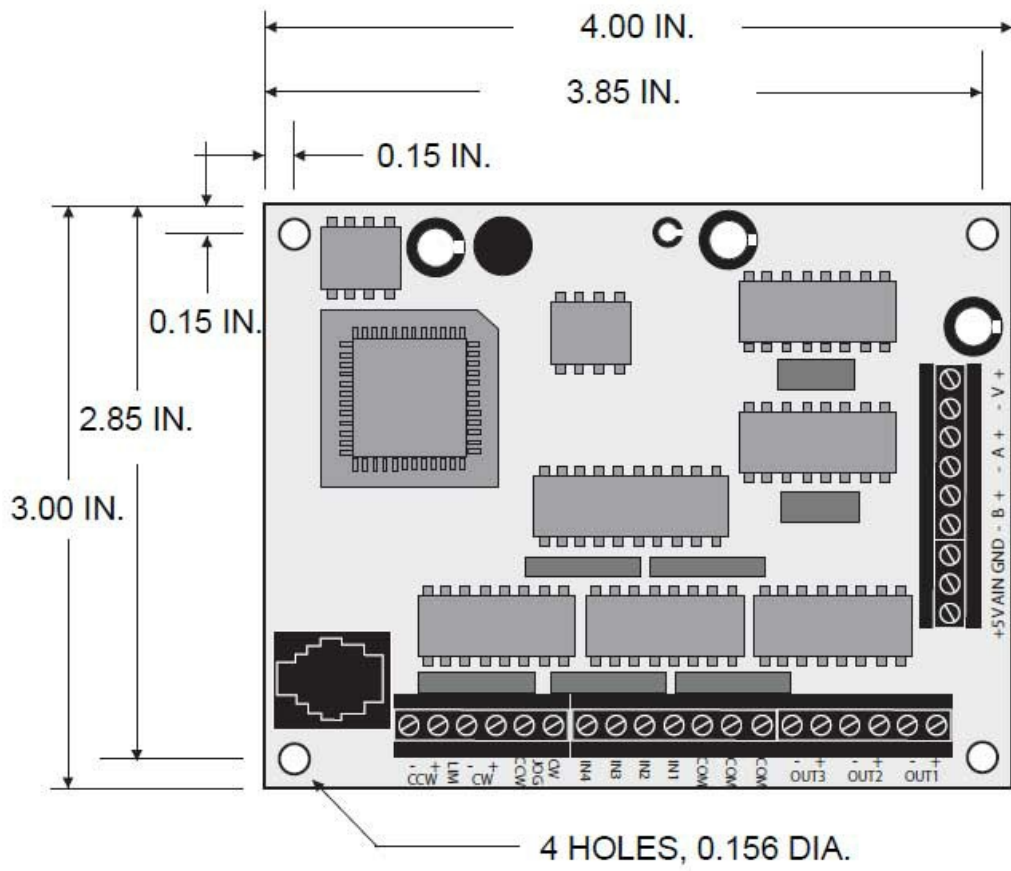
Software

Software:	SCL Utility Si Programmer™
Sample Code:	 scldemo.zip

Downloads

Manuals:	 1240i_Hardware_Manual.pdf  920-0010B_SCL_manual.pdf
Product PDF - S3 Link:	http://s3.amazonaws.com/applied-motion-pdf/1240i.pdf
Datasheet:	 1240i_Datasheet.pdf
2D Drawing:	 1240i_PCB_3D.pdf  1240i_2D.pdf
3D Drawing:	 1240iPCB.igs
Application Notes:	 APPN0015_Make-a-serial-programming-cable.pdf

Mechanical Outline



Mechanical Outline - Optional MMI

