

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.

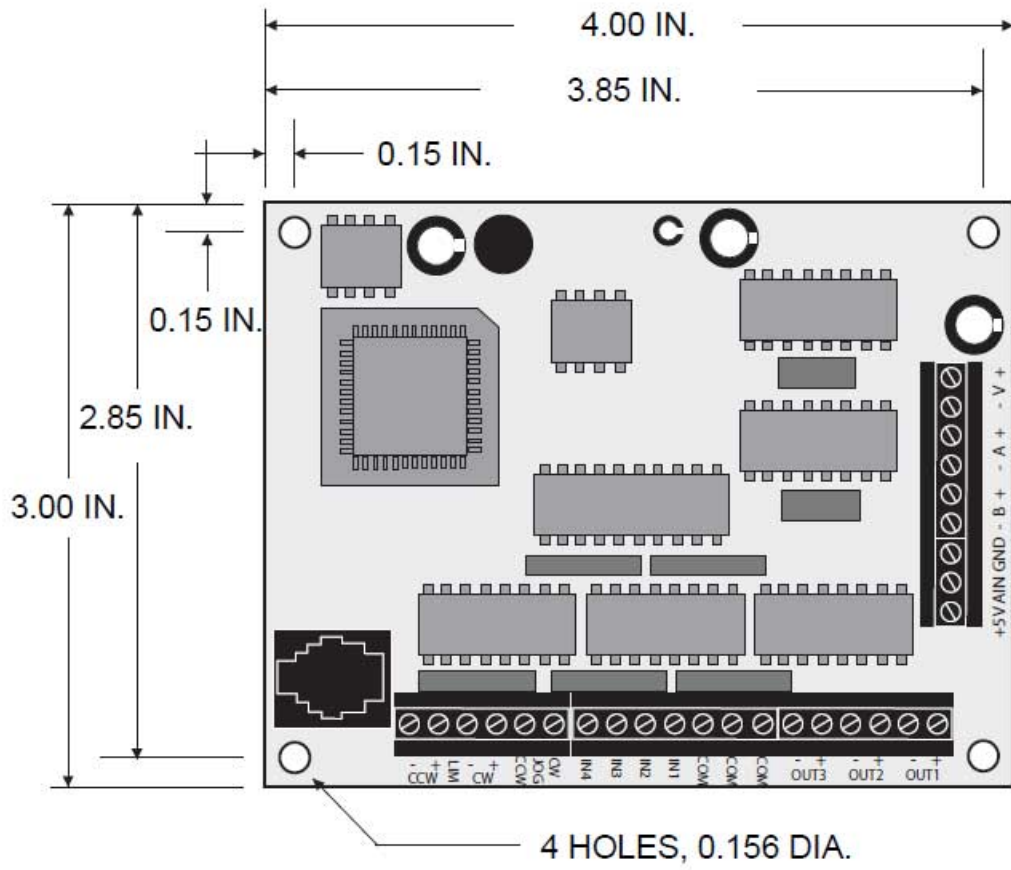
Specifications

Model Number	1240i
Part Number	1000-202
Supply Voltage	12-42 VDC
Supply Voltage Type	DC
Control Modes	<ul style="list-style-type: none">• Streaming Commands• Si Programming• SiNet Hub Compatible
Output Current	0.1-1.2 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	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
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



Mechanical Outline - Optional MMI

