

For Immediate Release

Contact:

Bernard Rousseau
Director of Marketing
403.282.7335

Phidgets adds the 1063 Bipolar Stepper Controller to its family of Stepper Controllers.

The 1063 allows very precise motor positioning and can be used to control larger industrial steppers with lots of torque.

CALGARY, Alberta, January 6, 2009 — Phidgets Inc. released today the 1063 – PhidgetStepper Bipolar 1-Motor Controller. The 1063 controls the position, velocity and acceleration of one bipolar stepper motor. It allows the very precise positioning of stepper motors; it can handle larger industrial stepper motors and is also suitable for applications that require a lot of torque.

The board also includes 4 digital inputs which can be used to convey the state of push buttons, limit switches, relays, logic levels, etc...

“The 1063 is a great complement to the 1062 PhidgetStepper Unipolar 4-Motor controller. It is especially well suited to applications that demand very accurate positioning” says Chester Fitchett, CEO of Phidgets. “ We also designed the controller so that it can drive larger industrial stepper motors as well as provide a lot of torque.” Added Chester.

Product Specifications

Position Resolution: $1/16^{\text{th}}$ step (40-bit signed)

Maximum Position Limit: $2^{39} - 1$ $1/16^{\text{th}}$ steps (40-bit signed)

Minimum Position Limit: $-(2^{39} - 1)$ $1/16^{\text{th}}$ steps

Velocity Resolution: 8 $1/16^{\text{th}}$ steps/second (11-bit)

Velocity Limit: $32,768$ $1/16^{\text{th}}$ steps/second

Acceleration Resolution: $4,000$ $1/16^{\text{th}}$ steps/second² (8-bit)

Acceleration Minimum: $4,000$ $1/16^{\text{th}}$ steps/second²

Acceleration Limit: $1,020,000$ $1/16^{\text{th}}$ steps/second²

Minimum Power Supply Voltage: 9V

Maximum Power Supply Voltage: 30V

Max Current Per Coil: 2.5A

USB-Power Current Specification: 100mA

Software Environment

“Unlike a lot of our competitor’s products that require their users to write some firmware code in order to use their sensor, we are completely “Plug and Play” says Bernard Rousseau, Director of Marketing. “With Phidgets, you plug it in and start using it and when it comes to programming, the user, not us, decides which operating system and which computer language he wants to use”, added Rousseau.

Users can program Phidgets using a simple yet powerful and well documented Application Programming Interface (API) that is supported under Windows (2000, XP, Vista), Windows CE, Mac OS X, and Linux. Users can write programs in Visual Basic, VB.NET, C#, C/C++, Flash/Flex, Java, Labview, Matlab, ActionScript 3.0, and Cocoa.

Phidgets also provides programming examples for all its products to help programmers write their own programs. The API Libraries as well as the examples and the documentation are available at no charge on www.Phidgets.com.

Pricing and Availability

The 1063 – PhidgetStepper Bipolar 1-Motor Controller is available now. The suggested resale price is \$80.00 Canadian.

About Phidgets

Phidgets, Inc. is a technology leader in the design and manufacture of low-cost control and sensing modules connected to personal computers through the USB port. Phidgets products are ideally suited for fast prototyping. The privately held company is based in Calgary, Alberta, Canada.

Contact Information

Bernard Rousseau
Director of Marketing

Address: Phidgets Inc.
2715A 16A Street S.W.
Calgary, Alberta, Canada
T2M 3R7

Web Site: www.Phidgets.com

Phone: 1-403-282-7335

Fax: 1-403-282-7332

E-mail: bernard@phidgets.com

Sales Inquiries: sales@phidgets.com

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