For Immediate Release

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The 1012 PhidgetInterfaceKit 0/16/16 now has Built-in Hardware Noise Filtering on Digital Inputs.

CALGARY, Alberta, September 5, 2008 — Phidgets Inc. announced that the 1012 now has built-in hardware noise filtering on the digital input, to eliminate false triggering from electrical noise. The digital input is first RC filtered by a 15K/100nF node, which rejects noise of higher frequency than 1Khz. This filter generally eliminates the need to shield the digital input from inductive and capacitive coupling likely to occur in wiring harnesses.

"We strive to continuously improve our products to give our customers a richer product experience while maintaining our very competitive prices. " says Chester Fitchett, CEO of Phidgets.

The 1012 InterfaceKit provides:

- 16 Digital Inputs sensing up to 30VDC with built-in noise filtering
- 16 Digital Outputs controlling up to 30VDC
- LED Indicators on all I/O channels

The 1012 InterfaceKit can be used in projects that need to switch loads like incandescent lights, relays, solenoids, and motors. Digital inputs can be used to convey the state of push buttons, limit switches, or relays. Digital outputs can be used to drive LEDs, solid state relays, or transistors.

Product Specifications

- Digital Input Impedance (-0.5V to +5.5V): 110kΩ
- Digital Input Impedance (>5.5V): 10kΩ
- Digital Output Impedance (on): 0.2Ω
- Digital Input Update Rate: 125 updates/second
- Digital Output Update Rate: 125 updates/second
- Digital Output Current Sinking (30V) 2A max
- USB Power Current Specification: 200mA max

- Device Quiescent Current Consumption: 18mA

- Device Active Current Consumption: 120mA max

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 Interfade (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, Python, 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 new version of the 1012 PhidgetInterfaceKit 0/16/16 is available now. The suggested resale price remains at $100.00 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.

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