

**FOR IMMEDIATE RELEASE**

Contact:

David Crump, Marketing Communications

800.321.6786 / 951.695.3010

[dcrump@opto22.com](mailto:dcrump@opto22.com)

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**Power Module Enhancements Make Energy Monitoring Simpler**

New SNAP I/O Modules Offer Customers Greater Connectivity, Easier Scaling and Improved Capability for Three-Phase Power Monitoring and Management

**Temecula, CA – May 12, 2011** – Opto 22 has greatly enhanced the capabilities of its most widely used power monitoring modules to give customers broader voltage input ranges and better resolution for their three-phase power monitoring and energy management applications. Now the SNAP-AIPM-3 and SNAP-AIPM-3V can each monitor 480 VAC, 3-phase electrical equipment without the need for a potential transformer. Both modules accept voltage inputs up to 300 VAC, so 277 volt line-to-neutral signals from lighting systems and other equipment can be wired directly to the module. Eliminating the need to use potential transformers to step down higher voltages significantly reduces installation cost and complexity.

Additionally, the SNAP-AIPM-3 now accepts current inputs from 0-5 amps. This improvement doubles the module's current input resolution, allowing customers to observe changes in their power usage in higher detail. The SNAP-AIPM-3 is compatible with the most common current transformers—which step down a primary current to a secondary of 5 amps or less—making engineering unit conversion and scaling for the SNAP-AIPM-3 much easier as well.

In energy monitoring applications, the SNAP-AIPM-3 and the SNAP-AIPM-3V allow building managers, maintenance engineers, and other business stakeholders to monitor three-phase equipment power in their facilities. Each module returns up to 14 channels of data including volts, amps, volt-amps, and true power for all three phases, plus true power sums. Customers can use the modules as part of a SNAP PAC System to correlate their energy usage with specific business operations. At that point, real-time data can be used to identify specific problems and design energy management initiatives to reduce energy costs.

System integrators can use the modules to develop control systems and solutions for commercial and industrial customers to monitor and regulate their 3-phase power consumption so they can reduce energy usage, avoid peak pricing charges, and lower energy costs. For original equipment manufacturers (OEMs), these modules provide a simple and straightforward method for integrating power monitoring and energy consumption into their machine control, establishing an important differentiator in their offering.

For its six wired input channels, the SNAP-AIPM-3 has input ranges of 85-300 VAC RMS and 0-5 AC amps RMS. The module offers 12 millivolts of resolution with accuracy of +/- 0.2 volts for voltage inputs, and 200 microamps of resolution with accuracy of +/- 4 milliamps for current inputs.

For its six wired inputs, the SNAP-AIPM-3V has input ranges of 85-300 VAC RMS and 0-0.333 VAC from current transformers with a 333 millivolt secondary. Accuracy is +/- 0.2 volts for voltage inputs and 13.3 microvolts AC for current inputs.

Both modules are guaranteed for life, transformer isolated, and (like all Opto 22 SNAP I/O modules) optically isolated from the equipment and devices they connect to, as well as from other modules on a shared I/O rack.

The SNAP-AIPM-3 and SNAP-AIPM-3V are available at a list price of \$495.00 USD each. For more information contact Opto 22 Product Support at 951-695-3080 or toll free 1-800-835-6786.

### **About Opto 22**

Opto 22 develops and manufactures hardware and software for applications involving industrial automation and control, energy management, remote monitoring, and data acquisition. Opto 22 products use standard, commercially available networking and computer technologies, and have an established reputation worldwide for ease-of-use, innovation, quality, and reliability. Opto 22 products are used by automation end-users, OEMs, and information technology and operations personnel in over 10,000 installations worldwide. The company was founded in 1974 and is privately held in Temecula, California, USA. Opto 22 products are available through a global network of distributors and system integrators. For more information, contact Opto 22 headquarters at +1-951-695-3000 or visit

[www.opto22.com](http://www.opto22.com).