

## **Clare Releases Latest Single-Pole OptoMOS® Solid State Relay with Built-In Current-Limiting Circuitry**

*CPC1560 is designed with Thermal Shutdown circuitry Specifically for Harsh-Environment Applications and Speed Enhancement*

**Beverly, Massachusetts, USA – May 29, 2008** – Clare, Inc. an IXYS company (NASDAQ: IXYS – News), announces the immediate production release of the **CPC1560**, a fast-actuating, current limiting, normally open, 1-Form-A, optically isolated Solid State Relay (SSR) solution that replaces electromechanical devices and enhances system robustness.

The CPC1560 incorporates active current-limit and thermal shutdown circuitry for improved survivability in harsh environments, and is designed to pass regulatory voltage surge requirements when provided with appropriate over-voltage protection circuitry. The device provides 3750Vrms of input to output isolation. Designed specifically for environmentally demanding AC or DC applications, where printed circuit board space is at a premium and additional power supplies are not available, the CPC1560 is an ideal solution.

The 60V CPC1560 also features fast turn-on of loads up to 600mADC in a DC-only configuration or 300mArms in an AC/DC configuration. Fast turn-on (100usec) and turn-off (400usec) is accomplished with the use of an external charge storage capacitor that provides the necessary charge required by the internal switching MOSFETs. The CPC1560 charges this capacitor, through bootstrap diodes, from the load voltage, thereby alleviating the need for an additional power supply.

This current limiting 1-Form-A normally open SSR is for general industrial control and instrumentation switching applications as well as, peripherals, security, and medical equipment. Additional key features include linear AC/DC operation, low power consumption, clean, bounce-free switching, and low power drive requirements.

Clare OptoMOS solid state relays and high voltage circuits are prevalent throughout the industry offering semiconductor control, system isolation and board savings compared to electromechanical relays.

### **About Clare and IXYS, Inc.**

Clare, Inc., a leader in the design and manufacture of solid state relays and high voltage integrated circuits, is a wholly owned subsidiary of IXYS Corporation. IXYS Corporation develops and markets primarily high performance power semiconductor devices that are used in controlling and converting electrical power efficiently in power systems for the telecommunication and internet infrastructure, motor drives, medical systems and transportation. IXYS also serves its markets with a combination of digital and analog integrated circuits. Additional information about Clare and IXYS may be found at [www.clare.com](http://www.clare.com) and [www.ixys.com](http://www.ixys.com).

Any statements contained in this press release that are not statements of historical fact may be deemed to be forward-looking statements. There are a number of important factors that could cause the results of IXYS to differ materially from those indicated by these forward-looking statements, including, among others, risks detailed from time to time in the Company's SEC reports, including its Annual Report on Form 10-K for the year ended March 31, 2002 and 2001, and our other filings with the SEC. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.