

## **PRESS RELEASE**

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# **IXYS Integrated Circuits Division Introduces New 800V Solid State Relay**

***The PLA171P exceeds 7mm clearance and offers superior reliability over electromechanical relays***

Beverly, Massachusetts – March 11, 2013. IXYS Integrated Circuits Division (formerly Clare, Inc.), a wholly owned subsidiary of IXYS Corporation (NASDAQ: IXYS), announced the immediate availability of the PLA171P, 800V, single-pole, normally open (1-Form-A) Solid State Relay (SSR) with 100mA load current rating. Specially designed to provide 7mm of clearance between the two output pins, IXYS Integrated Circuits Division's PLA171P uses patented, optically coupled photovoltaic technology and efficient MOSFET output switches to provide an enhanced input-to-output isolation of 5000Vrms.

The PLA171P is designed to replace, and provides superior reliability over, electromechanical relays. This device provides bounce-free switching in a compact surface-mount modified flatpack. The device features a low 2mA input LED current to activate the bidirectional relay, composed of two MOSFETs in an 'AC switch' configuration.

The 800 volt load voltage rating and the 7mm output pin clearance distance makes this device suitable for applications in meters (watt-hour, water, gas), power management control, medical equipment, patient/equipment isolation, automotive high-voltage circuitry, aerospace and industrial controls. Coupled with the Zilog MCUs as controllers and drivers, it enables digital power control to reduce power consumption, activate actuators, valves, sensors and other devices. With its AC capabilities, the PLA171P is ideal for reducing standby power consumption by cutting the power to devices that are not in use, thus reducing 'Vampire Power'.

Approvals include UL Certified Component: File E76270, EN/IEC 60950 Certified Component, and TUV Certificate B 10 05 49410 006.

## **Availability**

The PLA171P SSR is available in production quantities. For additional information, please contact your local sales representative: <http://www.ixysic.com/home/pages.nsf/locate.rep> or visit [http://www.ixysic.com/home/pdfs.nsf/www/PLA171.pdf/\\$file/PLA171.pdf](http://www.ixysic.com/home/pdfs.nsf/www/PLA171.pdf/$file/PLA171.pdf) for the datasheet.

## **About IXYS Integrated Circuits Division and IXYS Corporation**

IXYS Integrated Circuits Division (formerly 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 IXYS Integrated Circuits Division and IXYS may be found at [www.ixysic.com](http://www.ixysic.com) and [www.ixys.com](http://www.ixys.com).

## **Safe Harbor Statement**

Any statements contained in this press release that are not statements of historical fact, including the performance, rating, availability, reliability, operation and suitability of products for various applications, 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 Form 10-Q for the fiscal quarter ended December 31, 2012. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.