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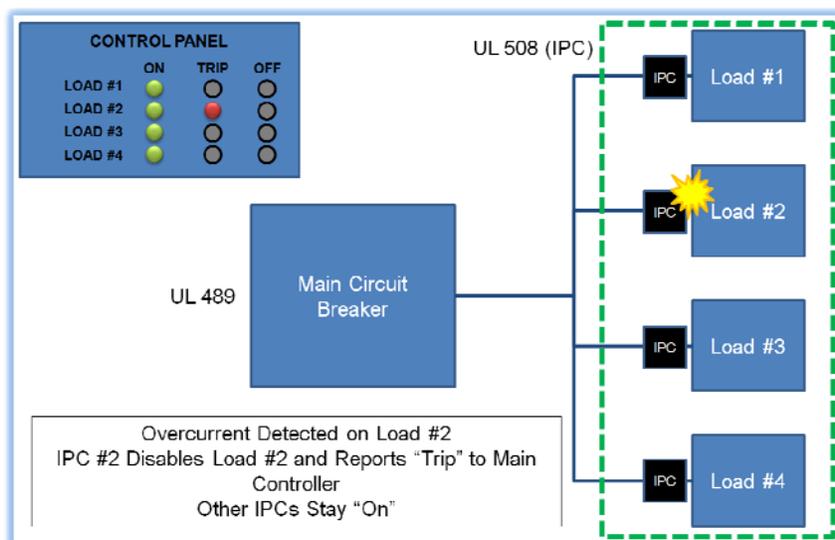
FOR IMMEDIATE RELEASE

MICROPAC INDUSTRIES INTRODUCES A NEW FAMILY OF ISOLATED SOLID STATE INDUSTRIAL POWER CONTROLLERS (IPC01)

GARLAND (June 20, 2013) – Micropac Industries, Inc., (MPAD), is pleased to announce the UL508 and CSA-C22.2 Recognition (file number E354703) of the IPC01 family of Industrial Power Controllers. These patent pending isolated controllers combine the functionality of a solid state relay, resettable circuit breaker, and output status monitor all in one convenient panel mount “hockey puck” style package. The functionality allows a system integrator to “Switch – Protect – Manage” UL508 / CSA-C22.2 equipment in an efficient and cost effective manner providing more value to end customers.



The IPC01 devices are available in 400VDC / 5A, 75VDC / 10A, 280VAC / 5A, and 40VAC / 10A versions each allowing remote switching, load protection and output status monitoring. Upon detecting an overload condition, the IPC01 immediately shuts off the load and provides a status for monitor by the system controller. The system controller may then take the appropriate action such as resetting the IPC01 (control signal reset, no need to cycle power), implementing contingency or backup systems, or logging for maintenance. If reset, the IPC01 will continue to monitor for overload conditions and provide load protection.



A typical application could include a single and appropriate upstream branch protection device, multiple loads switched and protected by individual IPC01 devices, and a system controller. When main power is applied, the IPC01 devices power up in the “Off” state and report “Off” to the system controller. The system controller can then turn on one or more IPC01 controlled loads. As the IPC01 turns on it will report “On” to the system controller providing positive feedback. If an overload is detected the IPC01 will turn off the load and report “Off” to the system controller providing a direct indication of the overload. Only the affected load is shutdown, all other IPC01 and respective loads remain operational. The system controller can command the “tripped” IPC01 “Off” and then “On” to reset and turn on the IPC01. System designers may utilize that status to implement backup / contingency operations, load shedding, maintenance logging, or another appropriate action based on the reported fault.

The IPC01 is designed for harsh industrial applications and is fully temperature rated for operation from -40°C to +80°C with no heatsink, simplifying system thermal design considerations. These devices can be mounted in enclosures with limited ventilation.

For more information see www.micropac.com/SplashPage-IPC.html



Key features include:

- DC operation up to 400V and 10A
- AC operation up to 280V and 10 A
- Short circuit protection (“instant trip”)
- Overload protection (“I²T trip profile”)
- TTL/CMOS compatible output enable control and output status
- UL94V-0 approved clear IP20 touch safe protection
- Industry standard panel mount package
- MIL-STD-704(A-E) compliant
- -40°C to +80°C operation option
- Pricing for the IPC01 begins at \$85 in 1,000 unit quantities

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About Micropac Industries

Founded in 1963, Micropac Industries, Inc. is a diversified, high technology company located in Garland, Texas, specializing in high reliability microcircuit multi-chip modules, Hall Effect devices and optoelectronic components/assemblies. Micropac develops and manufactures complete custom designs to meet specific customer applications and requirements. Our products are being used throughout the world in a wide variety of military/aerospace, space, medical and industrial applications. Visit www.micropac.com for more information.