

Opto 22 Solid-State Relays

Since its founding in 1974, Opto 22 has been a pioneer in the development of the solid state relays that enable communication between machinery and computer networks. To this day, Opto 22 still sets the world standard for solid state relay quality and reliability.

Opto 22 offers a complete line of solid-state relays, from the rugged 120/240-volt AC Series to the small footprint MP Series, designed for mounting on printed circuit boards. All Opto 22 relays feature 4,000 volt optical isolation and are UL and CSA recognized. The innovative use of room temperature liquid epoxy encapsulation, coupled with Opto 22's unique heat-spreader technology, are key to mass-producing what are generally regarded as the world's most reliable solid-state relays. Every Opto 22 solid-state relay is subjected to full load test and six times the rated current surge before and after encapsulation. This double testing of every part before it leaves the factory means you can rely on Opto 22 solid-state relays and enables us to guarantee all Opto 22 SSRs for life.

Power Series Solid-State Relays

Opto 22 provides a full range of Power Series relays with a wide variety of voltage (110–575 volts) and current options (3–45 amps). All Power Series relays feature 4,000 volts of optical isolation, and have a high PRV rating.

DC Series

The DC Series delivers isolated DC control to large OEM customers worldwide.

The DC Series is also available with LEDs that indicate when a control signal is applied. These LED input status indicators make it much easier for users to maintain and troubleshoot their control systems. Also, in response to the European Union's directive on the Restriction of Hazardous Substances (RoHS), these relays have been tested, certified, and stamped as RoHS-compliant.



RoHS

AC Series

The AC Series offers the ultimate in solid-state reliability. All AC Power Series relays feature a built-in snubber and zero voltage turn on. Transient-proof models offer self-protection for noisy electrical environments.



Z Series SSRs

The Z Series employs a unique heat transfer system that makes it possible for Opto 22 to deliver a low-cost, 10-amp, solid-state relay in an all-plastic case. The push-on tool-free quick-connect terminals make the Z Series ideal for high-volume OEM applications.



HS Series SSRs

The HS Series features an integrated heatsink, so heat dissipates more easily than in a standard SSR mounted to the same heatsink. With the heatsink built-in, you don't have to select one from a catalog, and installation is much easier.



Printed Circuit Series SSRs

Opto 22's Printed Circuit Series allows OEMs to easily deploy solid-state relays on printed circuit boards. Two unique packages are available, both of which will switch loads up to four amps.

MP Series

The MP Series packaging is designed with a minimum footprint to allow maximum relay density on the printed circuit board.



P Series

The P Series power relays provide low-profile for 0.5-inch (12.7 mm) center mounting on printed circuit boards.

