

# Solid state interface module switches mains supply devices

Leading manufacturer of relays and timers Finder's, 240V AC output 'mains' version of the popular 38.81 series solid state interface modules is well suited for rapid switching of mains voltage loads. Accordingly, the device will find favour with OEM machine builders and designers, end users, and plant maintenance engineers.

As a solid state relay (SSR) the module is suitable for mains load switching on high speed machinery or applications where continuous operation requires longer life than is achievable with electro mechanical relays. The introduction of the module by Finder has been driven by higher machinery operating speeds and the desire for increased periods between maintenance and overhauls. Additionally the requirements for faster operate/release cycle times and greater life expectancy have been drivers in the development of the product.

The 38.81's slim, 6.2mm width and its use of standard DIN rail mean that space requirement is minimised and rapid assembly is assured. The module comprises a plug in relay and a dedicated base with a retaining clip ejector mechanism that provides service and maintenance benefits over soldered in or permanently fixed types.

With a switching voltage range of 12 to 240V AC, the module is able to switch currents up to 2A, with a 40A maximum peak current (for 10mS) capability. The module operates from a nominal 24 to 60VDC and a screwless version speeds wiring and further eases maintenance. A 20-way jumper link also reduces wiring time.

Finder's in-house precision plastic and metal part tooling, coupled with the company's in-house design and manufacture of automated assembly machinery ensure consistent high quality.

With the addition of the 240v AC output version to its solid state range, Finder completes a comprehensive range that includes high and low current switching, AC and DC types, and in AC input guise, a leakage current suppression version.