



OPTIMISER™

- Manage AC line loads up to 15A
- 115 or 230 VAC operation
- Current zero cross reference
- 7.5A and 15A (shown) models
- Load current feedback
- Analog inputs for sensors
- Digital inputs for switches
- Optional networking, DMX and similar
- LED indicator
- Microchip 12F processor w/ICSP & eeprom



FUNCTIONAL DESCRIPTION

The OPTIMISER™ is a flexible power device that can be used for a wide variety of applications. Functionality is set in software and a variety of hardware configurations are available. Applications such as networked fan filter control, heaters of all kinds, power factor correction, point of use water heater, networked lighting units, show the flexibility of this product.

The OPTIMISER™ has a zero current reference signal that allows phase control of inductive loads. This feature allows virtually any motor to be controlled.

Integrated current measurement provides accurate feedback from the load circuit, an essential ingredient for efficient operation.

10 bit analog allows precise control in applications that control temperature, humidity, pressure, and air flow, or whatever the application requires.

Digital inputs support proprietary networking and standards such as DMX.

EEPROM allows self learning features and calibration parameters.

Ruggedized models are available for outdoor applications such as anti-freeze heaters for water features.

The OPTIMISER™ control is designed and manufactured in the USA. Support including customer service and customized software or hardware is readily available. Free software and custom design are available to qualified OEM customers. Code support is available at no charge to all developers.