

### FEATURES

- Eight AC power outputs
- Eight analog inputs
- Selectable sensor units
- Simple user interface
- Battery backup
- Setup/Run/Status/Communications/ Test menus
- Stored setup parameters
- Local/remote operation
- 69 functions for channels 1-4
- 15 functions for channels 5-8
- 24 hour real time clock with one second control resolution
- Hysterisis sensor control
- Split sensor control
- Logical sensor control
- Period + delay control
- Time + delay control
- Direct/one shot/time gate output options



### APPLICATIONS

- Process controls
- Greenhouses

### DESCRIPTION

The E810 Programmable Power Controller allows eight AC loads to be independently controlled from a selection of sensor, period or time inputs. Sensor inputs can control outputs either directly, with a delayed pulse, or within a time window. Selectable sensor types allow easier threshold setup. Sensor connections are made at a terminal block which provides a 7 volt current limited supply to power small sensors. An internal rechargeable battery allows the controller to continue monitoring and download sensor information in the event of a power failure. The Hysterisis Sensor mode uses two independently adjustable thresholds to control an output in one of four ways. The Split Sensor mode uses its two

thresholds to control two outputs respectively in one of four ways. The Logical Sensor mode uses two sensors combined logically as AND, OR, or XOR in one of fourteen ways to control one output. Outputs can also be controlled by period or time. Periodic control causes an output to alternate between delay, on and off periods from one second to 24 hours for each period. Outputs can also be turned on or off at specific times during a 24 hour period. The controller can be used in local or remote mode via a serial link. Sensor readings and output status are downloaded continuously every second while the controller's registers can be read or written to for remote operation.