

# ENERGY MANAGEMENT CONTROLLER

## M1008 CENTRAL CONTROL UNIT

The M1008 is a dedicated central control supervisor with its own 8031 microprocessor and memory. The M1008 manages the lighting in complete buildings or defined tenanted areas. It is programmed to switch lighting patterns to match the operational needs of the building's occupants.

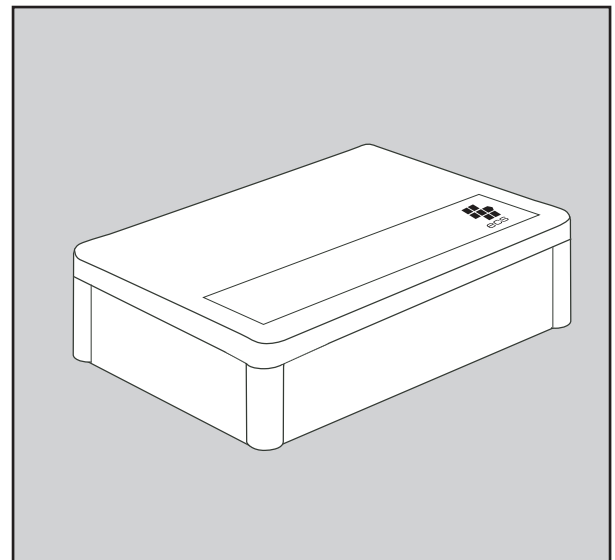
The base controller comes complete with 8 digital inputs, 8 analogue inputs and 8 digital outputs. The M1008 enables automatic time control to be programmed for any selected output using a 365 day programmable clock. Battery backup of all programmes and settings is on board and the unit is enclosed in steel enclosure with cable entry at the rear and bottom.

Programming of the M1008 is carried out on any personal computer running Windows. The software is a Windows based programme with drop down menus and selection boxes via a mouse or keyboard commands. A pictorial backdrop displayed on the main window can be configured to give representation of the building and lighting being controlled.

The M1008 has a history log function which can be used for future fault analysis or for sophisticated energy use monitoring.

Asynchronous direct connect or dialup modems can be used on remote sites for status interrogation or programme changing.

Serial keypads can be connected to the M1008 to initiate or control lighting in security conscious areas.



### ECS Systems

The M1008 Central Control Supervisor can be used to control the various ECS systems which include:

- ECS3000 Mains Signalling System
- ECS4000 Reset System
- ECS8000 Lighting Management System

### Security/Access

- UL/CSA listed security control and fire panel
- Designated horn and siren outputs
- Protected loop inputs
- Emergency dial-out with line seizure
- Interface with access control systems via Weigand comms Protocol or Axeze
- VeriProx Biometric fingerprint scan

### Hardware Specs

- Stand alone device using 16 bit 8051XA microprocessor
- 256K Flash memory
- Battery backed 128KB RAM
- Battery backed 365 day real timeclock

## Hardware

### Inputs

8 digital inputs

8 general inputs configurable to be:

0 · 1v analogue inputs

0 · 10v analogue inputs

4 · 20 mA analogue inputs

PE cell input

### Outputs

8 digital outputs

1 amp at 24 V AC/DC

Expandable to 56 outputs.

RS232 communications link to any PC

RS485 port

### Enclosure

185 x 353 x 73 mm 3.5 Kg.

## Software

- Windows based software with user friendly features such as drop- down menus and double click functions
- Used to configure and upgrade M1008 system functionality
- Scenario Wizard makes programming easy
- Uses simple if-then/now statements
- Virtually infinite scripting
- Capable of supporting multiple M1008 controllers

## Ordering Information

Catalogue Number	Description
M1008	8 outputs (1 amp 24 V AC/DC)
M1008X	8 output expansion module (1 amp 24 VAC)
M100830	Communication Modem