

# MasterMinder™ MLC

MultiLine Carrier Monitoring System

## What is a monitored emergency lighting system?

Are you tired of the cost of testing your Emergency Lighting system manually?

Anyone that has an emergency system knows it is expensive to test and maintain and if you have a sizeable site it may well be worth installing a Monitored emergency lighting system.

Famco Masterminder will also print off the latest test results for your building compliance order verification.

At Antipodes LED we have seen many players come and go with their versions of emergency monitoring but **Famco Masterminder** is the best and by far the most established that we have seen.

You can set up and just do a quick lamp check or set up a full discharge test (for your batteries) which can be done automatically in the middle of the night if required.

Attached to this document is a more specific data sheet showing the advantages of the Famco 'Multi Line Carrier' (MLC) system and if you wish to specify it, please just add an FMX instead of the FXXXX code to any of the Famco products.

ie.

F9992/2/3/FP (standard)

Becomes

**FMX9992/2/3/FP (monitored)**

# MasterMinder™ MLC

## MultiLine Carrier Monitoring System

- Simple to install and operate
- Provides the most comprehensive information
- Arguably the best and most widely used system in Australia



## Computerised, automatic monitoring and testing system for emergency luminaires and signs

### Why

All public and large buildings require the installation of approved emergency lighting equipment. Moreover Australian and New Zealand Standard AS/NZS2293 stipulates that the equipment be tested regularly, batteries fully discharged, all units maintained in operating condition and a record kept of all tests.

### How

Using advanced computer technology the Famco MasterMinder system performs all of the above functions. Each MasterMinder emergency luminaire incorporates state of the art electronics to test, monitor and report on the critical functions of the luminaire. Testing is initiated from a Supervising Control Unit (SCU). Test results and faults are reported back to the Supervising Control Unit (SCU) and computer.

**The MLC 'no communications cable' system can also be used on existing or new central battery systems**

# MasterMinder MULTILINE CARRIER MONITORING SYSTEM

## Maintained safety - economically

The MasterMinder FMM system advises the user of the state of the installation continuously.

- The MasterMinder system uses a very high quality dual rate charging system which prolongs battery life and its function is reported after each test.
- The test or fault reports indicate the nature of any problems thus obviating unnecessary replacement of parts or units.
- Eliminates manual discharging which is laborious, costly and often neglected.
- The MasterMinder facilitates the regular discharge of the batteries thus prolonging their life.
- Its unique reporting on the battery voltage, both at the beginning and end of each test gives a complete guide to the performance of the rechargeable battery.
- Unit numbering is done with a handheld infrared programmer after installation.

In summary, the MasterMinder positively prolongs the life of the equipment and avoids unnecessary expense.

### MasterMinder MLC (Multiline Carrier)

The MasterMinder MLC system (Patent No. 685314), without communication cabling, in addition to the above benefits, uses normal mains or central system wiring to communicate with individual emergency luminaires. There is consequently a significant saving resulting from the use of existing or new mains wiring. Luminaires can be easily

added or removed. The MLC system is designed to be used in buildings wired to NZ Standard AS/NZS2293 and with RF noise levels complying with NZ Standards.

- Removal or disconnection of a fitting does not effect integrity of the system.
- System tests single units, groups of units or all units and reports all required details including start and end voltages, charge current rates, lamp status, length of test and pass or fail.
- System reports if a failure is due to a faulty lamp. Service personnel can be directly to the fitting(s) with the appropriate lamp.
- Can preprogram tests for any date and time of day.
- Incorporates user friendly luminaire database.
- All monitoring functions are performed without consuming power from the emergency battery supply.
- Retains key information for 10 years in memory chip - even if power supply is removed.
- Fittings can be added or deleted without interrupting the operation of the system.

### Supervising Control Units (SCUs)

The MasterMinder system is controlled and monitored by a Supervising Control Unit (SCU). The SCU monitors the system constantly without a computer. A computer is only required to program tests, analyse data, and add or delete luminaires. A computer can be supplied preloaded with the MasterMinder software if specifically ordered.



### SCU5 for MLC Systems with built in modem for remote access.

The system is supplied with a complete Windows based software package and instructions allowing for easy operation of the system, including diagnostics, commissioning, additions, deletions and testing.

### Luminaires

The Famco MasterMinder luminaires and exit signs have the same outstanding features as the established Famco emergency lighting equipment which include the highest known photometric classifications, minimising the number of fittings required in an installation; providing the widest range of tested and proven products; and maintaining the high standards of longevity and quality.

### Design Service

We can offer experienced assistance in emergency lighting installation design in line with the current Australian and New Zealand Standards AS/NZS2293 and building codes where applicable.

For further information please contact Famco or a Famco agent.