

MasterMinder

Two computerised, automatic monitoring and testing systems for emergency luminaires and signs

FMM - using communications cables
MLC - without communications cables

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

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



Note: Computer and printer optional extras

Why

All public and large buildings require the installation of approved emergency lighting equipment. The 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.

Maintained safety - economically

The MasterMinder system advises the user of the state of the installation continuously (FMM system) or on demand, in MLC systems.

- Both the MasterMinder systems use 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.

Dedicated wiring (FMM) or MultiLine Carrier (MLC) systems

Famco offers two alternative systems (FMM and MLC) for communicating between the Supervising Control Unit and each emergency luminaire.

MasterMinder FMM

The MasterMinder FMM system with communication cabling uses the RS485 BUS communication system utilising a single twisted pair cable offering the following benefits:

- Simplest cabling installation, no return loop required.
- Removal or disconnection of a fitting does not effect integrity of the system.

- System detects and reports line break and location.
- Fittings can be added or deleted without interrupting the operation of the system.
- No additional wired devices such as concentrators, repeaters or end of line devices.

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.

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.

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.

The following SCUs are available:

- SCU1 For FMM systems.
- SCU2 Similar to SCU1 but with built in modem for remote access and printer driver port for connection of a printer.



- SCU4 For MLC systems.
- SCU5 Similar to SCU4 but with built in modem for remote access.



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 and building codes where applicable.



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