

MasterMinder FMM

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

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

Uses proven
RS485
communication
bus for reliability
and ease of
installation



Note: Computer and printer optional extras

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.

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 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.
- 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.
- No additional wired devices such as concentrators, repeaters or end of line devices.

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 - continuously monitors the system and alarms if there are faulty fittings, faulty mains lamps or a fault in the communications cable. An indication is provided to show that a fitting(s) is in test mode or test results are available for collection.
- SCU2 Similar to SCU1 but with built in modem for remote access and printer driver port for connection of a printer. When connected to a telephone line the full functionality of the system can be obtained from a remote location. An attached printer will log in real time all faults that occur on the system.



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.

MasterMinder Sites

Just a few of the notable sites utilising Famco MasterMinder FMM system:

Suva Airport
 Royal Sun Alliance Building
 PWC Auckland

For further information please contact Famco or a Famco agent.