



Centrel addressable emergency lighting testing system

Fire safety regulations require periodic testing and maintenance checks of emergency lighting systems to ensure these systems remain effective and fully operational.

Owner/occupiers have responsibility for this testing requirement and ensuring documentation is retained for review. Naturally, such requirements carry with them cost implications, and the ongoing need to schedule and manage a regime of maintenance.

The Centrel addressable testing system has been devised to provide the comprehensive solution to luminaire testing. Centrel dramatically reduces the expense and burden of manual testing, maintenance and fault checking.

Centrel enables the user to run manual or automatic scheduled tests on the emergency lighting system, and to record all test information electronically in a 'log book', for future reference.

Control and monitoring is managed through an interface unit which is connected between the PC and the emergency luminaires. Each luminaire is programmed with an electronic serial number or address which is used by the interface unit for interrogation and fault diagnosis.

Faults in the emergency lighting system are thereby automatically diagnosed, with location and fault detail recorded in the log book. Specific repairs can then be scheduled, with the maintenance engineer fully aware of the type and location of the fault to repair.

Centrel also helps reduce maintenance costs through improved test schedules, enabling forward planning of maintenance, thereby giving surety of correct system operation when the emergency lighting is needed.



The Full Service

Aimed at medium to large scale installations, Centrel is fully supported through our sales and technical support teams:

System design and estimate preparation

The correct products and design to ensure best value when protecting your buildings and personnel.

Project planning and installation

Practical advice to electrical contractors on matters such as cable structure, system installation and set-up etc.

Commissioning and maintenance

Experienced, fully qualified, field service engineers available to commission and maintain the system.

For added peace of mind, maintenance contracts can be put in place.

Project after-sales service

Project files are retained by our service department.

If additional fittings are required it is a simple task to prepare a luminaire with the next sequential number, soak test in house and despatch for addition to the system.

Technical literature & advice

Please contact a member of our sales team for full details and advice on Centrel, including:

Technical design guide

Providing more in-depth technical information.

System demonstrations

Demonstrations arranged at your own premises or at our head office.



A wide range of Centrel compatible luminaires is available - look out for the Centrel logo in this catalogue.

When do you need to test?

European Standards BS 5266-8 (EN 50172)

Simplified Testing Regime

- Daily check central power supply indicators for healthy operation
- Monthly functional check
- Yearly duration check
- Always keep documented records
- Automatic test devices should meet IEC 62034

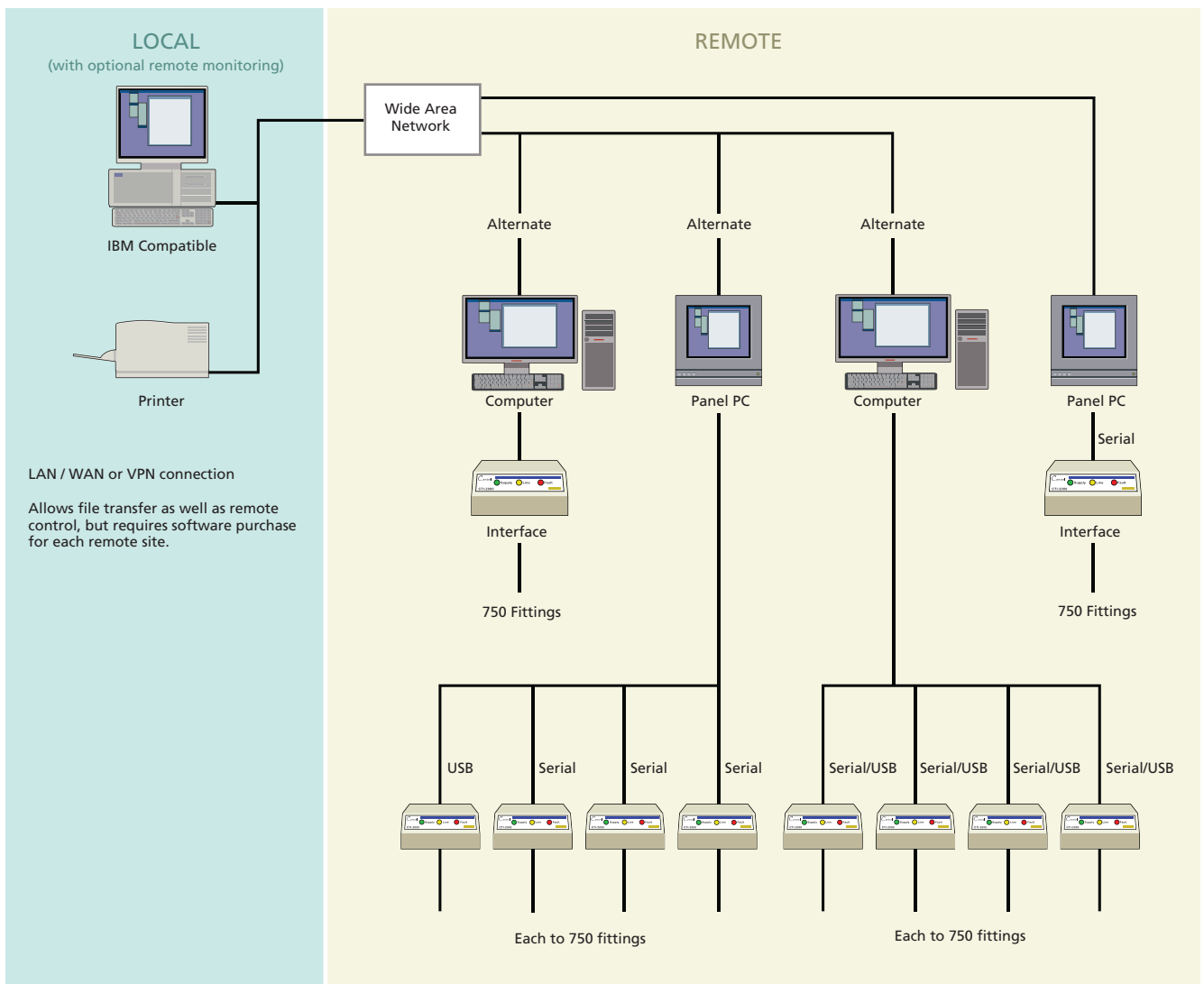
What needs to be checked & tested?

- Mains present and healthy
- Battery present
- Battery charging
- Inverter circuit in emergency operation
- Lamp functions and in circuit
- Duration

Effective testing through Centrel

- Tests are run either manually or automatically under control of the user's PC or panel
- Manual tests can be performed at any time from the main Windows test screen
- Unattended tests can be performed using the schedule program so long as the computer remains switched on
- All automatic test schedules can be easily programmed for the type of test required and for the time the test is to be performed
- All results of tests are stored in the 'Log book' for recall at a later date
- Each luminaire is programmed with an address which is used by the interface unit for interrogation and fault diagnosis

The schematic below highlights the scalability of Centrel and its particular importance in large scale emergency lighting installations. For further information, please contact Emergi-Lite.



ELPC-0410