SELF TESTING EMERGENCY

Manual testing of emergency luminaires can be a long and arduous process, which can be open to error. Legally, as required by BS EN 50172, each luminaire must complete a function test once a month and a full three-hour duration test once a year. Performing this process manually requires somebody to be present to ensure that the luminaire stays lit for the duration of the tests, a time consuming and costly process, especially on large sites.

Self testing luminaires remove the need to be present for the testing process and in its simplest form all that is required is to observe the status indicator to see if the luminaire has failed a test.

SmartScan **Emergency**

SmartScan incorporates an emergency lighting system with centralised testing and reporting options. The system combines the best technologies of LED lighting with state-of-the-art web-based feedback.

THE SYSTEM IS AVAILABLE IN TWO PLATFORM LEVELS:

At Platform 1 all SmartScan emergency luminaires are stand-alone. Each luminaire will self-test to the schedule specified in BS EN 50172:2004. The operational status of each luminaire is displayed by the status LED and operational status information can be retrieved using the SmartScan Programmer. Manual tests can also be initiated at each luminaire using the SmartScan Programmer. The user, legally, will need to inspect each luminaire at prescribed intervals to monitor test status and manually log the results.

At Platform 2, all luminaires are monitored by a central Gateway. The SmartScan Gateway provides daily uploads of the system status to the website. Secure access allows the user to view full luminaire status monitoring, from the whole installation to individual groups of luminaires or even individual control gear items within a luminaire.

The website provides an easy to read visual reference highlighting the following for SmartScan Emergency Luminaires:

- LED status in emergency operation
- Number of hours that a LED has operated from the battery
- Integral battery is connected and charging
- Result of the last monthly function test and the date of the next scheduled test
- Result of the last annual duration test and the date of the next scheduled test
- Emergency lighting testing schedules are configured via the website

NOTE: Platform 2 should be used to restrict testing times in sensitive locations, such as hospital wards or hotel rooms; or other locations where the randomised test times of Platform 1 might cause disturbance to the occupants.

BENEFITS OF SMARTSCAN

SmartScan is an innovative system which addresses all the issues that arise in providing an efficient, legislation-compliant emergency installation.

It is fast and simple to install with wireless signal connectivity removing the need for a complex "web" of control cables.

For most other systems regular testing (if undertaken correctly) is time-consuming and costly. SmartScan automates the testing process, which can eliminate the time taken for inspection and significantly reduce costs.

SmartScan testing and reporting is thorough, regular and reliable. The system constantly monitors the condition of not only every connected luminaire or exit sign but also its own communications.

If a luminaire develops a fault or if communication is lost, then an error is indicated via the SmartScan website. The integral e-mail facility is completely pro-active and keeps the user informed of system status. Trained Thorlux personnel can provide monitoring and maintenance services.

LUMINAIRES

SmartScan downlighters and exit signs use the latest white LEDs coupled with excellent thermal management, providing extremely long lifetimes and very low-maintenance schemes.

SmartScan Emergency technology may also be fitted to a wide selection of Thorlux luminaires to enable use of the system in most typical emergency lighting installations.

LUMINAIRES