Emergency Lighting Test and System Controller
INTRODUCTION

The MLS Emergency Lighting Test and System Controller automates and simplifies the testing of emergency lighting systems. Designed to operate with industry standard DALI Emergency Luminaires and Signs, it offers comprehensive monitoring and reporting features. In addition, the system provides central management of the MLS Lighting Control Network and interfaces to Building Management Systems via BACnet.

Installations benefit from the proven MLS Lighting Control System and associated Intelligent LCM technology and eliminates the cost of additional wiring. The system is simple to set up, maintain, monitor and use.

REGULATIONS AND STANDARDS

BS 5266 (BS EN 50172) requires that emergency luminaires and signs are tested in accordance with a specified schedule in order to ensure correct operation. The MLS Emergency Lighting Test system removes the uncertainty of manual testing and ensures compliance with IEC62034. It is designed to provide comprehensive monitoring and reporting for DALI Emergency Luminaires and Signs in accordance with BS EN 62386-202.

COST EFFECTIVE

• Lighting Control, Emergency Test & BMS Interface in a single, cost effective system
• No additional wiring required for implementing emergency test functions
• Operates with industry standard DALI emergency luminaires and signs

EASY INSTALLATION AND OPERATION

• Simple to set-up, configure and use
• Grouping of Emergency Luminaires and Signs for testing
• Pre-programming of Weekly, Monthly and Annual test schedules
• Execution of scheduled Function and Duration Tests
• Time Scheduling of Lighting Control functions

ADVANCED ACCESS AND REPORTING

• Comprehensive reporting of test results
• Ability to email report results to multiple recipients
• Push notifications of system alarm information to nominated recipients via email
• Browser-based system interface: securely access the system from any computer on the same network without need for additional software
# SYSTEM COMPONENTS

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For a full list of compatible MLS Products, please refer to UKEX013-0812a-EN MLS Application Guide

For a list of compatible Honeywell LED Lighting Products to complement your MLS System, please visit [led.honeywell.com](http://led.honeywell.com)
Hard Wired Intelligent LCM

User Access over Browser

EtherNet

MLSUCB for Medium to Large Systems

RB2000

Pluggable Intelligent LCM

Honeywell LED Panel Light

Honeywell LED Emergency Panel Light

RB2000

Pluggable Intelligent LCM

Honeywell LED Panel Light

Honeywell LED Emergency Panel Light

Hard Wired Intelligent LCM

Hard Wired Intelligent LCM
Smaller Systems

- MLSUCA System Controller/Interface
- Up to 6 x RB2000
- Up to 127 Intelligent LCMs per RB2000
- Up to 250 MLS Zones
- Up to 500 EM Test Channels (dependent on MLS Zones)
- Max 1 Emergency Device per LCM Channel

Medium to Large Systems

- MLSUCB System Controller/Interface
- Up to 13 x RB2000
- Up to 127 Intelligent LCMs per RB2000
- Up to 500 MLS Zones
- Up to 1000 EM Test Channels (dependent on MLS Zones)
- Max 1 Emergency Device per LCM Channel
SYSTEM DESCRIPTION

The system is managed via a central controller which handles configuration, execution, monitoring and reporting of emergency lighting test functions. A browser-based user interface, capable of secure remote access, eliminates the need for a dedicated PC with specialist software installed. The in-built real-time control logic allows the pre-programming of time-scheduled events. In addition, integration with Building Management Systems is enabled using the BACnet standard. This allows zone level occupancy information to be shared between the MLS System and the BMS and facilitates response to commands from the BMS.

USER INTERFACE OVERVIEW

The user interface features an intuitive tab-based structure, grouping together related features and functions.

Configuration

Manages the creation, configuration and modification of:

• Logical Buildings, Floors & Lighting Control Zones
• RB2000 Bus Controllers and Lighting Control Modules
• Emergency Test Groups
• Emergency Test Channels

Monitoring

Displays live updates on the status of control equipment and emergency test channels:

• Occupancy status by zone
• Override status
• Emergency Device Battery Charge Status
• On-line / Off-line status for each RB2000 Bus Controller

Scheduling

Pre-programming of recurring scheduled events:

• Turn Lights on full
• Turn Lights off
• Recall a pre-set lighting scene or level

Events can be categorized as Normal, Holiday or Exception and assigned to specific zones.
USER INTERFACE OVERVIEW

Override

Allows a zone or groups of zones to be manually overridden for a specific duration, for example lights turned on full to conduct a security patrol.

Emergency Test

Management and control of Emergency Test related functions.

- Scheduling of Function and Duration Tests
- Execution of manual tests
- Interrogation of Emergency Channel status
- Viewing and management of test reports
- Assignment of email addresses for push notification of alarms

Alarms

The alarm icon is present on screen at all times with alert status indicating that one or more components of the test system may be faulty, have failed to respond to polling or are not yet allocated to a test group.