

DLI COMPATIBLE

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Clevertronics produces a range of Emergency and Exit Luminaires compatible with IEC62386 Digital addressable lighting interface.

Digital Addressable Lighting Interface, the open protocol supported by all the major lighting manufacturers, enables digital dimming, individual luminaire control, lamp and ECG status feedback and emergency test and monitoring - all over a robust and simple wiring solution.

FEATURES AND BENEFITS OF A LIGHTING AND EMERGENCY LIGHTING CONTROL SYSTEM USING THE DIGITAL ADDRESSABLE LIGHTING INTERFACE

- Local control based on presence, absence, timeclocks or manual switches
- Global control from switches or timeclocks
- Daylight linking
- Reduced energy consumption
- Reduced carbon emissions
- Comfortable working environment
- Real time monitoring of lighting failures
- Single solution for standard control and Emergency Test
- Compliance with Statutory Requirements
- Based on an open protocol standard

STANDARDS AND COMPLIANCE

The Clevertronics range of DLI Compatible emergency and exit luminaires have been designed in accordance to:

- AS2293.3, Emergency Luminaires and Exit Signs
- IEC 62386-2-2, Digital addressable lighting interface



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EMERGENCY LIGHTING – INTEGRATING WITH THE LIGHTING CONTROL SYSTEM

By integrating the Emergency Luminaires with the Lighting Control System the same wiring and networking infrastructure can be utilised to monitor and test the emergency and exit luminaires. The Standard IEC 62386 enables dimmable ballasts, transformers, relay modules, emergency fittings and controllers from different manufacturers to be mixed and matched into a single control system. A system using the digital addressable lighting interface provides designers, installers, building owners, facility managers and end-users a powerful and flexible digital lighting system with security of supply from many sources. The Lighting Control System and the Software Module for the Emergency Lighting is supplied by the Lighting Control System provider. Commissioning/Addressing of the luminaires including the emergency lighting is also carried out by the Lighting Control System provider or Systems Integrator.

CLEVERTRONICS AND THE DLI COMPATIBLE EMERGENCY LIGHTING RANGE

The DLI Compatible range has been designed in accordance with the standard IEC 62386. Each DLI Compatible emergency luminaire incorporates a DLI Compatible Plug-in node module making the replacement of fittings simple without the need for re-addressing of the new fitting. All recessed DLI Compatible emergency luminaires and exit signs can be supplied with industry standard leads and connectors such as CMS Electracom, Wieland, Wire by Click and WAGO.

ON-SITE DIAGNOSIS AND REPAIRS WITHOUT THE NEED FOR THE SYSTEMS INTEGRATOR

Clevertronics has developed a Diagnostic Software Tool that provides Clevertronics Technicians with the ability to connect to network segments, scan for emergency luminaires and perform fitting diagnostics (not commissioning). In the event a fitting or DLI node is replaced the new node or fitting can be programmed with the same DLI address as the fitting it replaced, negating the need for the Systems Integrator (Note: the Lighting Control system must support this feature). This software tool can also facilitate the emergency lighting function and duration test with results collected via the Emergency Lighting Management System Head End.

Complete Building Solution



Industry Standard Connections



Version: November 2017-1

Please check our website for your closest Clevertronics office and local representative. Due to changes in industry standards and Clevertronics policy of product improvement, specification details are subject to change without notice.

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