



**Range Overview** 

## GLOBALLY PROVEN PRODUCT DESIGN

The FIREscape+ system is the first of its type and integrates Hochiki's highly successful FIREscape emergency lighting system with its acclaimed ESP fire detection system. By integrating both of these systems onto the same panel and onto the same loop wiring, not only does the emergency lighting become operational in the event of a fire – without the need for a mains supply failure to have occurred - but based on the location of the fire, people are directed away from unsafe exit routes using Hochiki's intelligent signage.

This is achieved by creating dual function exit signs. Under normal circumstances the exit sign is illuminated and carries the internationally recognised symbols of a running man, door and direction arrow. However, in the event of a fire affecting a specific escape route, the appropriate signage is switched off and replaced by an illuminated RED "X" symbol.

Unlike other systems, where each luminaire requires a 230 V supply, the entire FIREscape+ system operates at extra low voltage. Utilising only Extra Low voltage devices, means that the luminaires are fitted to the same style of plugin base as the fire detectors, which allows installation and maintenance to be carried out by engineers other than qualified electricians, thereby producing a very cost effective solution.

### **INTELLIGENT SYSTEM**

FIREscape+ is an intelligent system. All of the devices – fire sensors, sounders and beacons, emergency luminaires and exit signs - are individually addressed and fully monitored by the system control panel. By automatically monitoring all of the key elements of each device the need for regular inspection is significantly reduced\*. The failure of any device is immediately registered on the main control panel with both audible and visual warnings.

# **ENERGY EFFICIENCY & GREEN VALUES**

FIREscape+ incorporates LED technology and Lithium-Ion batteries into all emergency luminaires and signs. When compared with traditional fluorescent light technology, energy and  $CO_2$ e emission savings in excess of 95% are achievable.



\*Note: local regulations may require regular control tests



Hochiki is a wholly independent, multinational, publicly listed group of companies with over 2000 employees working across six manufacturing plants, 38 sales offices and 14 subsidiaries.

One of the world's leading manufacturers of commercial and industrial fire detection and emergency lighting solutions, Hochiki has acquired global acceptance as the benchmark for high-integrity and long-term reliability.



Hochiki's facilities in Japan, the United States of America and Europe design and manufacture products and provide technical support suited to local standards and customer requirements.

Total commitment to meeting the needs of individual national markets has reinforced the company's global reputation, resulting in Hochiki products being installed in many prestigious sites and in over 80 countries worldwide.





### ONE CONTROL PANEL

To create a combined emergency lighting and fire detection system, only the one control panel and operator interface is required.

### **SAFETY GUIDANCE**

During an emergency, people are provided with directional guidance to help find their escape route quicker and return to safety.

### **COST EFFICIENT**

Cost efficiency throughout the entire product life cycle – from installation to operation, maintenance and recycling

### **INHERENT RELIABILITY**

Minimum of 10 years system life expectancy (battery life expectancy is at least 5 years).

## **QUALITY & RELIABILITY**

The **FIREscape+** system complies with all British and European emergency lighting standards, in particular BS5266 for the design and installation of emergency lighting systems.

### **ENVIRONMENTALLY FRIENDLY**

All of the Hochiki components are environmentally friendly, including – batteries, plastics and electronics.

### **FALSE ALARM REDUCTION**

With the Hochiki **ESP** protocol, there is a significant reduction in the potentional for false or unwanted alarms.

## NO MAINS SUPPLY REQUIRED

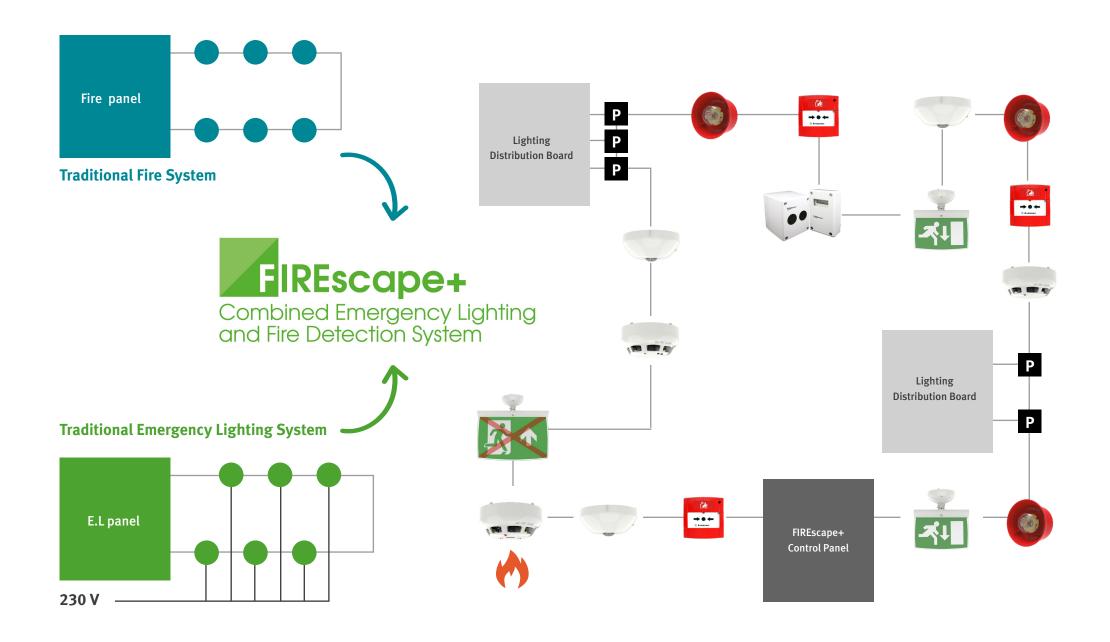
In this combined system none of the devices, including luminaires and exit signs require mains supply.

## **AUTOMATIC TESTING**

All of the emergency luminaires and exit signs have automatic testing functionalities.

## REDUCED COST OF OWNERSHIP

There are lower installation costs by integrating fire detection and emergency lighting onto the same cable, a 40% reduction in installation costs is achievable when compared to the installation of two independent systems. Additionally, less visits from engineers are required as maintenance can be conducted on the one system as a whole. As there is one common central control panel and a series of common field equipment, there are significantly less products required to service. This both reduces costs and minimises the downtime potential should a failure occur. Finally, the system can achieve a longer operating life as LEDs have a typical operational life expectancy of 10 years, compared to 9 months for an 8W fluorescent lamp (in maintained mode).





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