



Combined Emergency Lighting
and Fire Detection System

Range Overview

GLOBALY 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 plug-in 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 CO₂e 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.



91%
*of customer reviews rated our product
quality as "VERY GOOD" or "EXCELLENT"*

88%
*of our customers are extremely likely to
recommend our products based on quality*

92%
*of our customers rated us as
VERY GOOD or EXCELLENT.*

Statistics from the Hochiki customer service survey

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.



FIREscape+

KEY FEATURES & BENEFITS

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 potential 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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Environmental Certificate No.164EMS
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Business Member



Fire Industry Association



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The CPD Certification Service



Your Safety  Our Technology