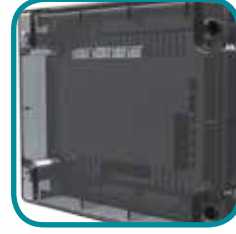




World Class Leaders in Fire Detection Since 1918

Education Overview



How Hochiki can help you

Your Safety, Our Technology

EDUCATION AND LIFE SAFETY

According to statistics published by the Department of Education, each year more than 1,300 schools in the UK experience fires that are large enough to require the attendance of the fire and rescue services, with 56% of them classed as non-accidental. The cost of damage caused by fires in schools is estimated to be £58m per year.

The odds on a school experiencing a fire are about one in 20, but this doesn't tell the whole story, as many fires are not reported, particularly if they are self-extinguished or are put out by staff. Research by the Arson Prevention Bureau found more than a half of all school fires fell in this category. It also suggests that some 20 schools and colleges are damaged or destroyed by arson every week.

The damage that a fire can cause is not limited to the destruction of property as there are also things such as documentation and other work that cannot be replaced. There's also the disruption of having to find alternative facilities – ultimately, the impact of a fire can be long-term and highly stressful to both pupils and staff.

To give an example of why this should be taken seriously, in 2011 a fire broke out in the sixth form common room of a school in Ickenham, Middlesex. The fire was quickly spotted, the emergency services were notified and the school was efficiently evacuated, with nobody hurt. The school was well practiced as it held regular fire drills and maintained its life safety infrastructure to the highest standards.

PUTTING RELIABILITY FIRST

It has been estimated that approximately 80% of unwanted alarms are caused by 20% of alarm users. And the latest figures published by the government estimate that the cost of false and unwanted alarms in the UK is around £1bn a year.

The most common causes of unwanted alarms are down to problems with product selection, misguided installation, or little or no system maintenance. The Chief Fire Officers' Association is pressing for measures that are likely to mean a reduced level of response for premises that have a poor unwanted alarm history.

PROBLEMS	SOLUTIONS
Educational sites present an environment with many risks and an increased potential for many types of fire.	Enhanced sensitivity of the Photoelectric Smoke Sensor, equally sensitive to a wide range of fire/smoke types.
Educational sites present various levels of risk and as such sometimes pose specific response procedures.	The functionality to adjust sensor sensitivities (pre-alarm and alarm) to suit the specific risk.
The Education environment is complex, with a multitude of risk types coupled with a large number of students, which need to be evacuated efficiently.	Proven reliability and virtual elimination of false alarms due to a suite of software enhancements to the robust Hochiki ESP communications protocol.
Teaching staff need to be signalled in the event of an alarm discreetly to avoid unduly alarming students.	Hochiki offers a wide range of sounders capable of emitting a selection of tones at differing volumes as well as a range of visual alarm devices fully compliant to EN54 Part 23 to suit any environment or requirement based on the risk assessment.
False alarms cause undue panic but more importantly, incur a huge waste of resources.	Added flexibility, low cost of ownership to the end user and the benefits of the enhanced, virtually error-free communications protocol (ESP) ensure Hochiki's products remain cost-effective, reliable and problem-free.

The Regulatory Reform (Fire Safety) Order (RRFSO) imposes a requirement to minimise unwanted fire alarms. Under their duty of care, head teachers, governors and college principals must also be able to provide evidence that a system is fit for purpose and is designed, installed, commissioned and maintained in accordance with the relevant standards by competent contractors.

Having worked extensively in these environments, Hochiki knows that a reliable and smooth running life safety system is a highly valued commodity. All unwanted alarms within educational establishments are disruptive and not without risk if people panic in the ensuing evacuation. However, if large numbers of false alarms occur it also



create an environment of disbelief and complacency, which may cause people to delay taking action when a real fire occurs – something that could prove to be deadly.

COST EFFECTIVE

The lifespan of a fire detection system is generally considered to be in excess of 10 years. Therefore, although the initial cost of the system is important, the total cost of ownership – maintenance, servicing, breakdown charges and product replacement costs – can be many times higher than the initial investment.

A reliable high quality fire detection system from Hochiki will



HOCHIKI - THE LEADER IN INNOVATIVE LIFE SAFETY SOLUTIONS

For almost 100 years Hochiki has led the way in the design and manufacture of innovative life safety solutions. Its cutting edge commercial and industrial fire detection and emergency lighting products have acquired global acceptance as the benchmark for high integrity and long-term reliability.

Hochiki's vision is to provide products and systems that achieve the highest levels of quality. Its range of products virtually eliminates unwanted alarms and, combined with ease of installation, results in unsurpassed dependability and the lowest total cost of ownership possible.

With a global annual sales turnover exceeding £400m Hochiki is a wholly independent, multinational, publicly listed company with over 1,500 employees working across five manufacturing plants, 31 sales offices and 18 subsidiaries.

Its ongoing commitment to manufacturing innovation ensures customer satisfaction and its production facilities in Japan, the USA and Europe offer international continuity in quality, service and supply.

EXCELLENCE AS STANDARD

Hochiki offers complete solutions for all fire detection and emergency lighting requirements. The Enhanced Systems Protocol (ESP) is a digital communications solution for intelligent fire detection and fully integrated systems, while the CDX range provides solutions for most conventional fire detection applications.

The company also has a range of solutions suited to more specialised environments. This includes the FIREwave wireless fire detection system for use in locations where minimum disturbance to the fabric of the building is important, the FIRElink aspirating solution and the FIREvac voice evacuation system. These are perfectly complemented by FIREscape, Hochiki's pioneering LED based emergency lighting system.


The company's manufacturing plants are accredited to ISO 9001 and through objectives and targets outlined within its corporate environmental policy and ISO 14001 certification, Hochiki is constantly developing new ways to reduce its environmental impact.

ensure that unwelcome and disruptive incidents will be all but eliminated, and that the costs associated with ensuring that it remains fit for purpose are kept to a minimum.

Hochiki is considered as best in class and what's more, it can prove it.

After carrying out a survey of its customers' views regarding the quality and reliability of its products and the standard of its customer service, a staggering 96 per

cent of respondents rated the company's product quality as 'good' or 'excellent'. Nearly 90 per cent reported that its products met all their requirements and 87 per cent rated the quality of its service as 'good' or 'excellent'.



“Once we had planned and designed the installation we had no hesitation in suggesting the use of Hochiki’s products in the Open Academy, due to their extensive range, proven reliability and excellent support service. We knew that Hochiki would act as a one-stop-shop for all our fire detection product requirements.”

Eddie Bean, T&P Fire’s Technical Manager.

Installing Hochiki means...

- Open protocol - complete choice and flexibility
- World-proven technology dramatically reduces false alarms
- Low cost of ownership
- Preferred choice for specifiers worldwide

Intelligent



The **ESP** intelligent range incorporates a variety of high performance sensors, modules and ancillary devices to increase the ease of routine maintenance and commissioning. Enhanced System Protocol (ESP) applies Hochiki's high integrity communications link to all products in the range.

Conventional



Hochiki's **CDX** range covers one of the most extensive product portfolios, and provides solutions for most conventional fire detection applications, as well as security systems due to its wide voltage range (9.5~30 V dc).

Complete System



Hochiki's **HFP** system offers a complete, flexible fire detection system which can be configured for any environment.

Emergency Lighting



FIREscape is a fully intelligent system based on LED technology and promises a flexible system low in voltage, that is simple to install and maintain, and reduces costs of ownership dramatically.

Specialist



For controlled environments, Hochiki's **FIRElink** range consists of high sensitivity air sampling equipment that identifies the faintest traces of smoke.

Wireless



Hochiki also caters for hybrid sites with the **FIREwave** range which integrates wireless technology into Hochiki's **ESP** hardwired system to provide maximum flexibility and meet specific site requirements.

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Assessed to ISO 14001



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Fire Industry Association



Affiliate Member



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Your Safety, Our Technology