FIRECLASS

Fire Detection Solutions for the Healthcare Sector

HOSPITAL

HEALTHCARE PREMISES IN THE UK HAVE A

LEGAL DUTY

TO PROPERLY CONSIDER FIRE SAFETY UNDER THE FIRE SAFETY ORDER 2005

Source: Redbooklive.org

OVER

6,000

FIRES OCCUR EACH YEAR IN THE UK'S NATIONAL HEALTH SERVICE

Source: Redbooklife.org

BETWEEN 2006 - 2010 U.S. FIRE DEPARTMENTS RESPONDED TO

6,240

STRUCTURE FIRES IN OR ON HEALTH CARE PROPERTIES PER YEAR

Source: NFPA:2012

These were responsible for approximately

5 DEATHS   **175** INJURIES   **$34** MILLION

Source: usfa.fema.org

THE MAIN CAUSE OF FIRE WAS

COOKING EQUIPMENT

INVOLVED IN THREE OUT OF FIVE

61%

Source: NFPA:2012

Safer. Smarter. Tyco.™

tyco
Fire Protection Products

The healthcare industry is a challenging environment when considering fire detection solutions.

From hospitals and mental health facilities to small GP practices, healthcare facilities can often be made up of multiple buildings spread across a large complex with patients in varying degrees of dependency. In the event of an alarm, some patients will need assistance and for those in a critical condition, evacuation can be extremely challenging. At Tyco we can help you design a solution with necessary notification, access and escape routes planned and marked to help you ensure the safety of patients and staff.

HOSPITAL

02

PROBLEM

Consultant, Specifier, Engineer, Architect:
I need to ensure the fire detection solution is compliant with independent approvals and building standards.

PROBLEM

Building owners/ facilities manager:
The inconvenience and disruption that can be caused by a false alarm in a hospital makes it important to install resilient detectors to reduce this risk.

PROBLEM

End User:
False alarms can cause huge disruption to staff and patients, who are less mobile and maybe undergoing surgery.

PROBLEM

Consultant, Specifier, Engineer, Architect:
Buildings used by the public must adhere to regulations such as the Disabilities Act 2005.

PROBLEM

Building Operator / Facilities Manager / Maintenance Manager:
Alarms can cause panic. Especially in ill or vulnerable people.

PROBLEM

End User:
As a person with hearing difficulties I look for visual signs to warn me of potential dangers, including fire alarms.

PROBLEM

Consultant, Specifier, Engineer, Architect:
Healthcare facilities must have adequate fire protection systems that comply with building safety regulations.

PROBLEM

Building owners / facilities manager
Staff are not fire experts they need easy to use systems.

PROBLEM

M&E Contractors & Installers:
Hospital systems can be some of the largest, spread across many sites and buildings. We need systems that are easy to install and configure.

PROBLEM

Consultant, Specifier, Engineer, Architect:
It is important that we specify products suitable for the needs of our clients.

PROBLEM

Facilities Manager:
Managing and monitoring the status of a large fire system spread across multiple sites can be challenging and expensive.

SOLUTIONS

PATIENT WARDS

Product: Triple Sensing Addressable Detector

The industry leading, triple sensing detector from FireClass provides the ultimate false alarm resilience. The FC460PC detector is designed to constantly measure the levels of smoke, heat and CO to determine the presence of a real fire before sounding the alarm. This helps to prevent costly and inconvenient evacuations in an environment where patients are not as mobile.

The 460PC detector has day and night sensitivity switching modes, so sensitivity can be increased at night, when patients are asleep and the risk is higher. The FC460PC offers up to 10 years operation, a similar lifetime to that of an optical detector.

WAITING ROOMS

Product: Combined sounders and beacons - Visual Alarm Devices

FireClass has a range of EN54-23 approved Visual Alarm Devices designed to provide a solution to the increasing need to incorporate visual alarms as well as sounders into fire systems. Here the detector, sounder and beacon can all be combined into one device, however can be programmed to operate independently. Programming is completely customizable, giving you control over how each device operates. For example beacons can flash to alert staff before the sounders alert patients.

All sounders in the FireClass range are equipped with Reflective Sound Monitoring (RSM) which allows the sounders to be tested for an extremely short period and automatically register and report the correct operation of the device without extensive noise and disruption normally associated with testing of audible alarms.

ENTRANCE/RECEPTION

Product: FireClass Addressable Control Panels

FireClass offers a range of addressable control panels to suit healthcare facilities both large and small. Our addressable digital technology uses a powerful and robust digital protocol for high reliability and flexibility in installation.

The range of panels have an open protocol, giving installers and maintainers the freedom of choice and have been designed to be extremely easy to install and use, with only one days training needed.

The largest FireClass system can be expanded to support a total of 99,000 devices, including multi-sensing detectors and a multitude of modules and sounders. Our panels also offer backwards compatibility, future proofing the fire system, saving you cost throughout its lifetime.

CONTROL ROOM

Product: FireClass Remote

FireClass Remote allows installers and service maintainers to access FireClass panels and its operations via their PC or laptop. It provides greater flexibility in the system's management and control and is an optimal feature for use in healthcare facilities where multiple buildings are often spread over a large site.

Remote access improves usability giving users total control of FireClass panels via their PC or laptop, when connected to the panel through a serial cable. The software mimics the control panels interface so that users can perform exactly the same operations as they would on the panel. They can view the panels menu, zone and point status and perform enable and disable operations, as well as modify the panel's configuration.

Users log in to the software with a password, ensuring maximum security, and are able to carry out operations based on access permissions.

For more information about FireClass fire detection technology visit:
www.fireclass.net or contact us at **FireClasssales@tycoint.com**

tyco
Fire Protection Products

Safer. Smarter. Tyco.™