

WIRELESS FIRE DETECTION



Preserving historic buildings with EMS wireless solutions

An EMS FireCell system provides engineers, managers and owners of historic buildings with a means to comply fully with modern fire regulations.

One of the key maintenance requirements of attractions and listed properties is protecting the building fabric from damage and alterations so that to preserve the heritage, look and feel of the building. With this, any retrofit installation presents a challenge to those responsible – how to ensure the building complies with modern requirements without compromising the past.



EMS's FireCell presents a wireless solution to this challenge. It is not only less intrusive than wired systems but is also quick to install. With nearly 50 years experience in the development and UK manufacture of radio-based wireless solutions for complex fire and security installations, EMS understands the challenges posed by historic and existing buildings.

FireCell, which is EN54 Part 25 certified with 3rd party approvals, is a full analogue addressable fire detection system, which boasts a set of features that makes it one of the most advanced wireless fire detection systems on the market.

The system incorporates industry standard detectors with each device powered by an alkaline battery pack that typically gives a five-year service life, which is in excess of the current British Standards. These communicate with the controllers using secure, fully compliant, dual frequency signaling.

The installation of a wireless product such as FireCell from EMS provides a number of benefits for the building engineer, building manager or owner.

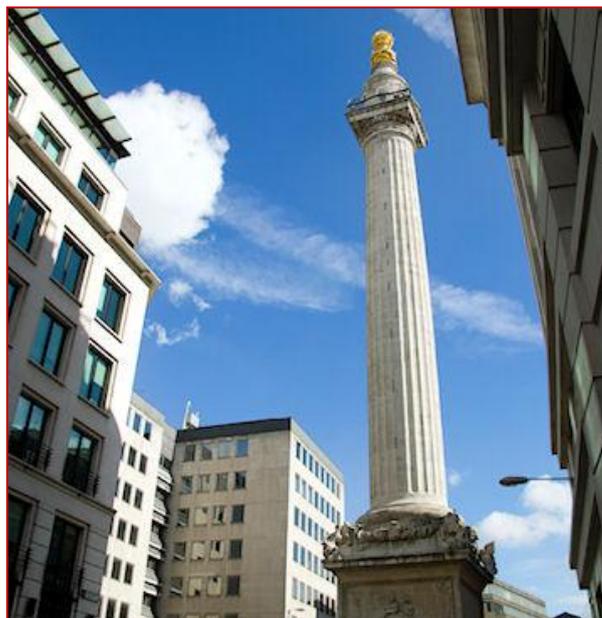
The most important is that drilling can be avoided, which means that the building fabric is not altered and therefore the historic integrity of the building is preserved. In addition, unsightly cables are not visible, which furthermore helps to preserve the original architectural aesthetics.

Asbestos is a consideration that can be avoided with the specification of the FireCell system. Because there is no need to penetrate walls or ceiling panels to install devices such as detectors, call points and sounders, there is no risk and no additional cost involved in asbestos removal.

The system is also cost-effective since it eliminates the need for expensive fire-rated cable. In terms of installation, FireCell can be installed in a very short time scale when compared to cabled systems, which reduces labour costs.

Thanks to this speed of installation there is far less disruption and therefore minimal downtime too; visitors need not be excluded for long periods of time. Similarly, with no need to specify fire-rated cable, the risk associated with low cost, counterfeit cable is also avoided.

For extra peace of mind, EMS has an industry leading five-year warranty to all its products (excluding batteries). This warranty confirms the reliability of EMS products, and firmly establishes radio-based systems as an ideal solution for long term fire and security applications.



FireCell systems can also be wirelessly networked using the EMS RNC or Radio Network Communicator.

With full network communication across all panels and every device, as well as global "cause and effect" programming, FireCell provides an easy solution to a complex problem.

- ✓ **Up to 8 FireCell panels**
- ✓ **Up to 4,032 wireless devices**
- ✓ **Fully addressable**
- ✓ **Fully configurable**
- ✓ **Up to 5 years battery life**
- ✓ **5 Year Warranty**

The expense and complexity usually associated with networks is now a thing of the past as communication paths are no longer reliant on cables between buildings. No extensive civil works are needed and the inconvenience and time rich installation works normally associated with a network are totally eradicated.