

Wireless Fire Alarms

We Supply and install wireless fire alarms across the u.k

The wireless fire alarm of choice is the Electro Detectors Zerio system , this is due to its quick and easy installation with little fuss or mess .

This wireless fire alarm system has wireless smoke detectors wireless heat detectors wireless call points the same as a conventional wired fire alarm .

Wireless fire alarms are suitable for installation in all types of properties , especially when the client does not want fire alarm wiring running all through the property .

Wireless fire alarms like this are perfect for domestic dwellings due to the neat and tidy installation that can be offered .

Wireless fire alarms offer the same level of protection of a conventional fire alarm and are no less efficient .

Wireless fire alarms are also easy to use by the end user , reliable and self testing , checking all devices are in perfect working order .

Wireless fire alarms have a battery back up the same as conventional fire alarms and can be connected to the fire brigade if required .

The batteries in the wireless fire alarms can last up to 3 years before replacement is required .

The Zerio wireless fire alarm checks the radio frequency it intends to use before deciding that there is no back ground interference that is likely to cause any problems .

Wireless fire alarm systems do not rely on wired connections between the devices and the control panel. Instead, the devices communicate with the control panel wirelessly, typically using radio frequencies. This allows for more flexibility in terms of installation, as there is no need to run cables throughout the building.

In wireless fire alarm systems, devices such as smoke detectors, heat detectors, and manual call points communicate with the control panel through wireless transceivers. These transceivers can be battery-powered or wired, and they send signals to the control panel when an alarm is triggered. The control panel then processes the signals and determines the appropriate response, such as sounding the alarm or activating third party connections such as sprinkler systems.

Wireless fire alarm systems can be either addressable or conventional. Addressable wireless systems can identify the exact location of an alarm event, while conventional systems only indicate that an alarm has occurred somewhere within the system. Wireless systems can also be integrated with other building safety systems, such as security systems or HVAC systems.

Wireless fire alarm systems are generally considered to be more flexible and cost-effective than wired systems, but they usually require additional components such as wireless transceivers to ensure proper signal strength and coverage throughout the building.

Wireless fire alarm systems have a lot of benefits and are becoming increasingly popular.

Read on to find out if a wireless system is the right fire alarm system for your business premises.



Wireless fire alarm systems might sound a bit new-fangled but they actually first appeared in the 1980s.

Because the early technology experienced a few issues (mainly with battery life and radio transmission), **wireless fire alarm systems** gained a reputation for unreliability. However, this is no longer true today.

In the same way that 21st century mobile phones and computers are light years ahead of their 1980's ancestors, so are **wireless fire alarms**.

Today's systems are generally fully compliant to British Standards ([BS5839](#)) and European Standards for fire alarms (EN54), and there are many reputable **wireless fire alarm** manufacturers to choose from.

If you decide that a wireless fire alarm system is right for your business, our expert team is able to fit, test and commission all types of wireless fire alarm system, in London, Surrey and throughout the U.K

Book a FREE site survey from an expert fire alarms engineer in London, Surrey & surrounding areas – tel 02081507295

How do wireless fire alarm systems work?

There's no prizes for guessing that a wireless fire alarm system has no wires. Instead, a radio signal is transmitted from the call points and smoke or heat detectors to the fire alarm control panel (the call point is the box on the wall where you can raise the alarm if you spot a fire).

From the point of view of anyone using a building fitted with a wireless system, it works in exactly the same way as a 'normal' hard-wired system – you spot a fire, you break a call point; a call point breaks, the alarm sounds.

There's no special training required and you're protected in exactly the same way.

Should I get a wireless fire alarm system?

There are many benefits to installing a wireless fire alarm system, but there are some downsides too. It's important to weigh these up carefully. Here's some pros and cons for you to think about:

The benefits of wireless fire alarm systems:

- As reliable as a wired system and tested to British and European standards
- Quick to install and can be fitted with minimum disruption to your business
- No need to shut down areas of the building or be open out of hours for the installation to take place
- No ugly cables or damage to your walls – the only cable is from the control panel to the mains power
- Can be easily installed in buildings where there is limited access e.g. due to high ceilings
- Layout is easily modified if something in your building changes e.g. you extend
- Will save you money on labour, making good, and decorating costs
- Will still work even if the power goes out as they are battery operated
- Can be used as a temporary system in locations where a wired one can't be installed e.g. building sites
- Can be used to extend existing wired systems

The downsides of wireless fire alarm systems:

- Even though you save money on labour & making good with a wireless alarm, the cost of the hardware is higher than a wired system so the initial set-up may be pricier
- Wireless fire alarms run on batteries which need to be frequently checked and replaced,
- Some wireless fire alarm systems use bespoke batteries which are more expensive

So, should you get a wireless fire alarm?

Basically, what you're getting with a wireless fire alarm system is a quick, hassle-free installation that is easy on the eye and gives you maximum flexibility in the future, but with a slightly higher initial set-up cost and the slight inconvenience and expense of ongoing, regular battery replacement.

On this basis, we'd recommend a **wireless fire alarm** for any of the following:

- For anyone who wants a fire alarm fitted quickly, with a minimum of fuss
- For businesses where aesthetics are important, such as high-end retail outlets
- For businesses which would suffer disruption if they had to shut off areas of building, e.g. hotels
- For historic or listed buildings, or those with building restrictions (The Ritz & Windsor Castle are wireless)
- For buildings which are likely to be renovated or extended in the near future

- For buildings with difficult points of access such as narrow stairwells or high ceilings
- For complex sites with multiple buildings such as schools or colleges

So now you've got the facts, if you think a wireless system is for you, then please feel free to get in touch with us for your free survey and quote by calling us on 02081507295 , or emailing us at info@bell-security.co.uk Our friendly team will be happy to help.



Surrey Fire & Safety Ltd

Protecting businesses from fire since 1997

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