

# Fire Alarm Systems



Grants Electrical Services LTD are committed to ensuring that all of our customers choose Fire alarm systems that are most suitable for their particular needs. We have a depth of industry experience which enables us to help you make the right choice.

Whether you are considering a conventional, addressable or wireless fire alarm system please be aware that maintenance of these systems is required to ensure compliance with the Irish Fire Standard IS:3218-2013 and the systems must be tested on site upto four times per year.

IS:3218-2013 States that: The Responsible Person is the person having control of the building and/or premises, whether as occupier or otherwise, or any person delegated by the person having control of the premises to be responsible for the fire alarm system and the fire procedures.

All our Fire alarm systems are designed, installed and commissioned to IS:3218-2013

## Conventional fire alarm system

A conventional fire alarm system would typically be used by small retailers and in medium sized buildings – these systems have traditionally provided an affordable means of detecting fire and smoke. Numerous detectors can be installed on zones, when a detector is triggered the fire alarm control panel will indicate which zone has been triggered, giving you or the fire brigade an indication of the area of activation.

Grants Electrical Services LTD can integrate conventional fire alarm systems with other fire alarm panels on your site or install communication devices which are monitored ensuring a response from the emergency services.

## Addressable fire alarm system

Addressable fire alarm systems provide a more technologically advanced alternative to conventional fire alarm systems. These systems have the capability to operate with precision in large buildings such as apartment blocks and major commercial and industrial premises. With recent advances in

system development we have seen addressable Systems become much more cost effective and a viable option for many industrial and commercial enterprises.

The result of this ongoing development and commitment to innovation from leading providers are now:

1. Inexpensive to cable
2. Easier to operate
3. More accurate in detecting actual fire locations

Each smoke detector or device has it's own unique identifying code. If the device activates the system recognises this straight away, and displays this clearly on the system's admin interface. Many addressable systems also can have interfaces on pagers which are carried and utilised by security and maintenance staff. It is this type of clean, user friendly functionality that makes current addressable systems a great fit for many Irish businesses.

### **Open protocol v closed protocol**

Something else that business owners should take into consideration when choosing a fire alarm system is flexibility in terms of integration, support, maintenance and future development. In fire alarm manufacturing we have two protocols (a 'protocol' is simply the language that two electronic devices use to communicate with each other) i.e. Open and Closed.

A manufacturer of devices which use closed protocols is ensuring that all related equipment (panels, interfaces, detectors...etc) which may be needed for integration into their system will work perfectly within their own product range. If, however, we try to integrate equipment from another manufacturer into this system then we are likely to have integration and operational difficulties.

A manufacturer of open protocol systems and components is developing products with a view to seamless integration with systems and components made by other manufacturers.

At Grants Electrical Services Ltd we strongly recommend the use of open protocol products so that, as a business owner, you have a flexible choice of service provider and complementary products.

To discuss your requirements call us on 074 9360014 or [Contact Us](#) for further information.