

Lightning Protection

Ayjay Group can test, design and install lightning protection systems that will protect a building or structure from a direct lightning strike.

Lightning protection reduces the risk associated with the affects of a strike and can provide safety and peace of mind for owners, employees and the public.

What is Lightning Protection?

Lightning can strike unexpectedly, causing damage not only to a structure, but also to the systems and people within it.

Certain atmospheric conditions can cause a thunderstorm to produce a series of sudden electrical discharges. These discharges may cause overvoltage's and electromagnetic disturbance which can damage systems or equipment (including those with electronic components or circuits).

The function of a lightning protection system is to protect the building or structure and prevent people being injured or even killed.

A lightning protection system includes 2 elements overall:

External Protection - Lightning Protection/ Earthing
Interception, safe discharge and safe distribution of the lightning to earth.

Internal Protection - Surge Protection
Limits the amount of unsafe voltages from entering a building and damaging the infrastructure.

What does this mean for you?

Insurance companies often require a certificate endorsed by a competent company to verify that the lightning protection system is functional and adequately protects the building and infrastructure. This is normally requested annually.

As part of your risk management, you may identify hazards as a result of surges that will pose a risk of injury and/or damage to the infrastructure. Dangerous flashover can result in fire hazards, as it presents a risk of arcing, caused by dangerous levels of voltage being present.



Public Safety



Building Protection



Reduced Risk of
Damage and Fire



High risk areas requiring Lightning Protection:

- Industrial parks
- Churches
- Manufacturing plants
- Military installations
- Schools
- Banks
- Hospitals
- Historical landmarks
- Emergency facilities
- Sporting complexes
- Corporate centres

What can you do to protect your assets?

Installing an effective lightning protection system will help to reduce risk of damage.

This is a complex process, as the requirements vary for every building. Every installation must be a total solution that encompasses both structure and infrastructure, to protect all aspects.

Ayjay Group will help your business design and install the latest British Standard (BS EN 62305) lightning protection system, that will reduce the risk of damage.

Lightning protection is required to be tested and certified by a competent organisation every year, to satisfy building insurance.

Unsure whether your Lightning Protection is adequate and compliant?

Why not request one of our team of expert engineers to visit your premises and carry out a survey to determine the correct level of lightning protection and a suitable protection measure to put in place.

Our installation engineers are fully trained and use lightning protection systems that meet all relevant British standards.

For further information, contact one of our team, to discuss your Lightning Protection solution.



Ayjay Group Ltd work in association with Dehn (UK) Ltd.

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LIGHTNING & SURGE
PROTECTION

