

electric fencing **FAQS**

Is the system safe?

Yes, the energiser components system designs, and installation, comply with product standards (BS EN61011) and our own code of practice that exceeds installation codes of practice which currently exist in the UK and around the world.

Is the system legal?

Yes, the system is legal because the system design, components and installation comply with the requirements of BS EN 60335-2-76:1999. Darfen's surveyors exercise 'Duty of Care', when considering the design, installation and maintenance of Pulsed Fence systems in accordance with the Code of Practice and Minimum Quality Standards.

How much does a system cost?

This is dependant on the type of system, length, wall top, full fence, fence height, number of gates, corners etc. A site survey is required to provide a supply and installation cost.

What happens if a child or elderly person comes into contact with the Pulsed Wires System?

In accordance with the Code of Practice and minimum Quality Standards, all systems are designed and installed to minimise the risk of accidental contact, with all ages and infirmity considered. The impulses are regulated safe for the entire population, in accordance with BS EN 60335-2-76:1999.

What is BS EN 60335-2-76:1999?

BS EN 60335-2-76:1999 is the European Standard for Electric Fence energisers and their safe application. This standard has been adopted by most European Countries. In 1993 the British standards adopted EN 61011 in its entirety as the British standards BS EN 60335-2-76:1999.

What are the basic requirements of BS EN 60335-2-76:1999 and PAS 47 PART (BS 1722 pending)

The maximum energy that can be produced by the security system energiser, is limited by design to a maximum of five joules into a load of 500 ohms (typical resistance of human body). The energiser is designed and required to comply with this output, even under abnormal operating conditions such as component failure. The overall system is specified with due consideration given to the duty of care associated with such systems. This includes clearances, numbers of wires, the use of warning signs, etc. The energiser is designed to be fail safe. The system is constructed with due consideration for duty of care. Warning signs are applied at appropriate intervals.



Darfen Access Control - 15/21 Speedwell Road,
Yardley, Birmingham, West Midlands, B25 8HU
Contact Steve Beresford 07917 220136
www.darfen.co.uk

Is the system prone to false alarms due to changes in the weather, heavy rain, fog, snow, high winds, falling leaves, wet paper bags, wild animals, etc.?

No, unlike other perimeter systems Pulsed Fence technology and signal processing ignores these forms of interference.

Why does the system not generate an alarm if an animal or human touches the pulsed wires?

Anyone who touches the system, when it is armed, is repelled by a short, sharp, painful but regulated safe electric shock. Only if someone attacks, tries to climb through or tampers with the system, are alarms generated.

What about false alarms?

False alarms are virtually unheard of because of the systems quality and proven design. Unique patented electronics and system components.

What happens if the mains fail?

All our systems have standby power supplies. In the event of mains failure rechargeable batteries power the system for a minimum of 4 hours. If a longer period is required the size of the standby power supplies can be increased.

What are the running costs of a typical Pulsed Fence system?

A standard system consumes less than 40 watts fully armed. This is comparable with a small light bulb.

Is the system compatible with other security systems and equipment?

Yes, in its standard form it can be installed as a stand-alone system or directly interfaced with any other type of intruder alarm, access control or integrated security system. This is for all functions including arming, disarming alarm monitoring and signaling.

Can gates be protected?

Yes, all forms of security opening, sliding and power gates can be fully protected.

Is it possible for the system to be on and monitor the perimeter security without the high voltage feature?

Yes, a fully monitored HV/LV system for the protection of storage yards, car parks and sites such as garden centres and factories, where authorised people can be exposed to the system without the risk of the high voltage feature. During the daytime the system is fully monitored using a unique Low Volt system. When the premises are vacated the system can be armed with the additional feature of the High Voltage deterrent.

Is the system zoned for alarm management and response?

Yes, the system has a minimum of 6 zones for alarm management and monitoring purposes. These zones can be configured to meet with the exact site requirements, i.e. programmable delayed zones for exit entry routes, gates, etc. and instant zones for standard perimeter protection. The system may be expanded to multiple zones and PC interfaced.



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What is a maximum electrical zone length?

On a standard fence system, each zone may be up to 300 metres long. Therefore, a standard 6 zone control may be used for the protection of perimeter fencing from zero to 1.5 kilometres in length.

Can the system be used in conjunction with CCTV, security lighting and other alarm monitoring or annunciation?

Yes, the zone alarm outputs can be used to trigger or operate all forms of alarm monitoring, annunciation or signalling systems.

What is the authorities' attitude to electric security fences?

Many electric fence installations are as a direct result of police referral and Government request.

Do insurers accept or specify the fence system?

Yes, most major insurance companies accept the installation of electric fence systems and some are now specifying the same for the protection of appropriate sites. As a direct result of electric fences stopping crime and losses on various sites, some site owners have been able to obtain insurance on previously uninsurable or uneconomic risks.

What maintenance is required?

We recommend two routine maintenance inspections per year to ensure optimum system performance and reliability with a minimum of one visit per year.

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