Frequently Asked Questions

Is the system safe?
Yes, the energizer components, system designs, and installation, comply with product standards (EN 60335-2-76 and ANSI/UL 69-2005) and our own code of practice that exceeds installation codes of practice which currently exist in North America 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 EN 60335-2-76:2005 and ANSI/UL 69-2005.

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 minimize the risk of accidental contact, with all ages and infirmity considered. The impulses are regulated safe for the entire population, in accordance with EN 60335-2-76: 2005 and ANSI/UL 69-2005.

What is EN 60335-2-76:2005?
EN 60335-2-76:2005 is the European Standard for Electric Fence energizers and their safe application.   This standard has been adopted by most European Countries and it is particular requirements for electric fence energizers.

What are the basic requirements of EN 60335-2-76:2005 ?
The maximum energy that can be produced by the security system energizer, is limited by design to a maximum of five joules into a load of 500 ohms (typical resistance of human body).   The energizer 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 energizer is designed to be fail safe.   The system is constructed with due consideration for duty of care.   Warning signs are applied at appropriate intervals.

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 AFSCO Fence technology and signal processing ignores these forms of interference.

Why does the system not generate an alarm if a 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 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 6 hours.

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

A standard system consumes less than 15 watts when fully armed.   This is comparable with a small light bulb only.

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.

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 12VDC alarm monitoring, annunciation or signaling systems.

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 centers and factories, where authorized 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 can be zoned 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.

What is a maximum electrical zone length?

On a standard fence system, each zone may be up to 300 meters long.

What is the authorities' attitude to electric security fences?

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

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.

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.

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