

SECTION 9

FURTHER INFORMATION

Frequently Asked Questions

LOCATION

SPECIFICATION

USE

LOCATION

Q. Can Avishock be installed onto satellite dishes/ parabolics?

A. Yes, there have been successful installations on these.

Q. Could Avishock be used on a petrol forecourt?

A. No, Avishock is not recommended for any places where there might be volatile/explosive chemicals in the air.

Q. Can Avishock withstand a salty atmosphere?

A. Yes, the braid, Straight/Corner Connector terminals and Quick Tap Jumper terminals are made from stainless steel; and the spade connectors are made from zinc chromate coated brass. Avishock has been used successfully in coastal areas.

Q. Has Avishock been used in a range of weather conditions?

A. Yes, Avishock is widely used in all weather conditions in both very hot and cold snowy climates.

Q. Can the energiser be plugged into any power socket?

A. The energiser transformers can be plugged directly into any 110 to 240V AC power socket outlets. Installers may decide to promote that the power supply will not be left unintentionally unplugged by ensuring it is plugged into a socket outlet specifically for purpose and positioned away from where other equipment may be used.

Q. Why does BS EN 60335-2-76:2005 specify that the system must not be installed close to power lines?

A. NICEIC (National Inspection Council For Electrical Installation Contracting) believe that the concern here is current induced into the track from the power line.

Q. BS EN 60335-2-76:2005 states that “if connecting leads and electric animal fence wires are installed near an overhead power line, their height above the ground shall not exceed 3m”. If Avishock is fixed onto building ledges, are the building ledges themselves classed as ‘ground’ or is it strictly the pavement that is the ground?

A. NICEIC believe the building structure may be considered as ground level irrespective of height.

Q. BS EN 60335-2-76:2005 states that “crossings with overhead power lines shall be avoided wherever possible. If such a crossing cannot be avoided it shall be made underneath the power line and as nearly as possible at right angles to it”. Does this mean that so long as the track is not parallel to the power line it is OK?

A. NICEIC believe that parallel is the worst case scenario.

Q. Why are 800mm and 1100mm recommended as minimum heights for window sills and balcony rails respectively, for Avishock installations?

A. These are current building regulation heights in UK and HSE suggested these were appropriate heights to specify as minimum. Other countries might need to check their own Health and Safety Guidance.

SPECIFICATION

Q. What does the track warranty cover?

A. Basically braid attachment to the substrate and electrical properties. The warranty covers track integrity; it does not cover discolouration of the track, nor being overcome by debris or droppings nor being shorted out (a pressure wash generally cures that).

Q. What does the Energiser warranty cover?

A. Our energiser supplier gives a 2 year warranty that covers everything except: water immersion, incorrect input voltage, lightning strike, physical mishandling, and contamination by battery acid.

Q. Is it a requirement of the warranty that the system must be signed up to a maintenance contract.

A. This is not a requirement. The warranty covers the breakdown of the product: the Track has a 5 year warranty and the Energiser 2 years as per Section 8 PG2 of the Avishock Technical Manual.

Q. How well does the colour of the track hold?

A. The colours are colourfast. However, over 5 years the stone and brick red tracks can fade towards grey. The black track keeps its colour well.

Q. Does the track have UV protection?

A. Yes, both the PVC base and the stitching thread are protected.

Q. Could the thread used to stitch the braid to the track rot?

A. The thread used is UV protected PTFE plastic, as used on yacht sails where it needs to survive sun and saltwater. It is not likely to rot within the guaranteed lifespan of the Avishock.

Q. Does the track have fire protection?

A. Yes, fire retardants are included in the plastic.

Q. What power do the energisers use?

A. SHK040 uses 1 Watt and SHK120 uses 2 Watts. The power is used to charge the capacitor, and this charges up and discharges whether the circuit is shorting out or not. So even if it shorts out there is no extra current drawn.

Q. What maximum angle will the Straight/Corner Connector turn?

A. They can be fitted at up to 180°, however, this is unlikely to be useful as it would mean having parallel tracks at just 15mm apart.

Q. What is the resistance of the track?

A. Around 1 ohm per metre and the resistance of each connection is around 1 ohm, although this can be quite variable.

Q. What minimum radius is possible when sticking track around curves?

A. Around 40cm (taking about 60cm of track to go around 90 degrees). Avifix 'High Tack' adhesive is recommended for quicker adhesion to help prevent the track buckling.

Q. Are the energisers WEEE and RoHS compliant?

A. Yes these do come in the scope of the WEEE & RoSH directives and are compliant. The crossed out wheelie bin is on the rear label and WEEE producer number is NJY281.

USE

Q. How often should maintenance checks be carried out?

A. We advise quarterly maintenance visits.

Q. What would the HSE say if an accident was to happen whereby there were injuries to contractors, children and burglars etc?

A. The HSE agreed to the customer responsibilities listed in the Avishock Technical Manual on Section 6 PG3. We recommend that installers give their customers a copy of Section 6 and ensure this is signed for by their customer at completion of their work.

Q. Is an installer's public liability affected by the installation of Avishock?

A. Installers of bird products should check with their insurance provider.

Q. Can you paint over the track or Lead Wire?

A. The Lead Wire can be overpainted. The track though will not work when painted. If this has occurred the easiest solution is to replace the track.

Q. Would Avishock harm anyone wearing a pacemaker?

A. We have spoken to MHRA (Medicines and Healthcare Products Regulatory Agency) about this. They said Avishock would be a fairly low risk; that touching live track could possibly inhibit functioning of the pacemaker; and that it was also a possibility that it could put the pacemaker into backup mode. If you wear a pacemaker it is not recommended that you install Avishock, but Avishock, like other electric fences, is safe for general use.

Q. Could Avishock affect induction loops for deaf people?

A. www.inductionloop.org states that an intermittent voltage would not affect induction loops.