STAFIX™

SECURITY CENTRES

JVA

ELECTRIC FENCE SYSTEMS






CCTV SOLUTIONS


ACCESS CONTROL SOLUTIONS


SECURITY SOLUTIONS


WILDLIFE SOLUTIONS


EQUESTRIAN SOLUTIONS


STRIP GRAZING SOLUTIONS

PRODUCT CATALOGUE 2026/2027

INTRODUCTION



Ndlovu Fencing (Pty) Ltd, trading as **STAFIX ELECTRIC FENCE AND SECURITY CENTRES**, is the Southern African distributor of the international STAFIX and JVA ranges of electric fence energizers. We are a South African owned company that is committed to providing our customer base with a choice of quality imported and locally-manufactured products that meet all the perimeter protection needs of the Agricultural, Wildlife, and Perimeter Security markets.

We have a number of strategically positioned sales and service outlets throughout Southern Africa, each with its own in-house technical personnel, so that we can offer you fast and efficient after-sales repair service. Further, we have access to an extensive network of accredited Stafix installers should you require your fence to be installed for you.

Stafix Security Centres offer their customers a unique blend of experience and youth. The founder, introduced high-powered electric fencing to the Southern African market in the 70s. This history and knowledge, combined with the youthful enthusiasm of our sales staff and their in-field practical experience in the erection and installation of electric fences, automatic gate motors, outdoor beams, security cameras and access control systems, enables us to provide you with all the necessary product, equipment, service and advice which you will require for the installation of your Agricultural, Wildlife and Security systems.

Stafix Security Centres Provide:

- **Comprehensive ranges** of quality imported and locally produced electric fencing energizers, accessories and related perimeter security products
- Expert technical **advice**
- **Quality** service
- **Personalized designs** to solve your particular site challenges
- **In-house** repair facilities
- **2-3 Year warranties** on Stafix and JVA Energizers
- **90-day customer satisfaction** guarantees
- Country-wide distribution.

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Welcome to the Shocking World of Electric Fencing

An apt description of an electric fence is a psychological fear barrier. It works on the principle of giving the animal or human making contact with it, a short, powerful, yet safe shock that is sufficiently memorable to discourage it from ever wanting to make contact with it again. In this product catalogue we introduce you to the wide range of products we have to solve your animal control and security challenges. We thank you for taking the time to peruse our catalogue.

What are the Advantages of Electric Fencing?

For livestock control

- Low cost – as it is a psychological fear barrier, you can make use of much lighter fencing materials
- Easy construction, requires less labour and time to erect
- Longer lasting with lower maintenance costs due to reduced physical pressure on the fence line
- Can control all classes of livestock effectively from elephants right down to field mice
- Ideal for reinforcing existing fences which adds years to tired or poorly maintained fences
- Facilitates grazing management systems which results in improved veld, pastures and increased profit
- Rotational grazing reduces waste, parasite infestation and distributes fertility evenly across pastures
- Reduces injury to livestock e.g. damaging scratches to hides from barbs which reduce their value
- Back fencing is made easy thus preventing the grazing of regrowth
- Fences can be monitored, giving peace of mind that livestock is where it should be

For security purposes

- Security Electric fences provide more security features than any other stand-alone security system
- They Demarcate, Deter, Deflect, Delay, Deny and Detect
- They can be easily integrated with other monitoring devices such as Roboguards, lighting systems, etc.
- They can be sectorized to facilitate targeted response
- They provide 24 hours a day, seven days a week, three hundred and sixty-five days a year, surveillance
- Using Wi-Fi and GPS and cloud routers, fences can be monitored from anywhere in the world.

Stafix Price List

HOW TO CHOOSE AN ENERGIZER



Choosing an energizer can be quite a daunting task. Not only does one have a number of brands to choose from, but then within a specific brand, one is confronted with a number of models. Here are some questions you need to ask yourself when making your choice:

Does the energizer have a Certificate of Compliance (COC) and a Letter of Authority (LOA)
See legal requirements for an electric fence on page 71.

Is the fence being erected for security or animal control purposes?
For security purposes the JVA Z range of energizers is ideal. The JVA Security Energizers combine the energizer, monitor, battery and battery charger all in one housing.

For animal control, the Stafix or JVA Agricultural Ranges will meet your needs. Agricultural energizers do not have built-in monitors and they provide only a deterrent shock. Should you wish to monitor your agricultural or wildlife fences, you will have to add an external monitor such as the ZM1, ZM20 or ZM50. (See pages 43-47.)

Is there mains power available at the site?
If no mains power is available, you will have to use a battery powered energizer, possibly with solar back-up.

Is the energizer for a short, temporary strip grazing fence? (200m – 500m) One generally uses portable battery powered energizers when strip grazing.

Is the energizer for use on longer, more permanent, farm or wildlife electric fences? For these one would use the more powerful energizers in the range.

What species of animal is to be controlled?
One can generally use smaller energizers for domesticated dairy cattle. Sheep, due to the insulation properties of their wool, generally require a bigger energizer. Horses, because they sweat and have salt on their hides, are more sensitive to electric fences, so smaller units suffice.

Will the fence be located in a dry or moist area?
In moist areas, the fence line will be subject to heavy competition from vegetation, so more powerful energizers are recommended.

What is the length of the fence line? The longer the fence line the more powerful the energizer you will require.

How many strands and what wiring configuration will be used on the fence line?
Whether series or parallel wired, this will have an effect on the resistance of the fence line (See page 3.)

What type and diameter wire will there be on the fence?
Different metals have different coefficients of resistance, e.g. a fence constructed using galvanized wire will have a lower resistance than a fence using stainless steel wire of the same diameter. The thicker the wire the lower the resistance.

Can the supplier provide back-up service?

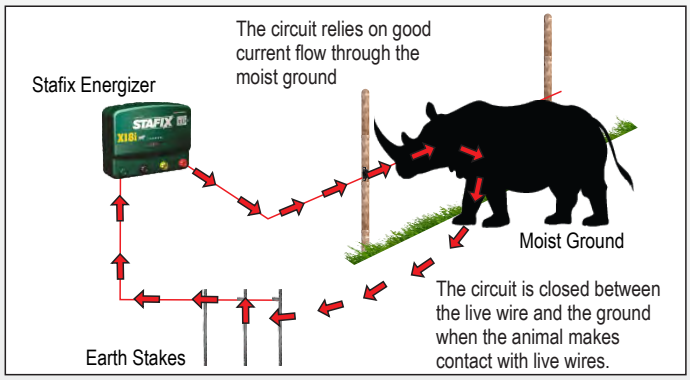
What size energizer will meet my need?
A simple question that does not have a simple answer as there are many factors that will influence the efficiency of the fence, viz. the standard of construction, the soil type (dry or moist), wire type and diameter, competition expected from vegetation and quality of earthing, to mention but a few.

Manufacturers use a simple rule of thumb: 'One joule will energize one kilometre of wire.' This does help one compare the potential distance an energizer could power under ideal conditions. However, one must be careful when comparing joule ratings, to compare apples with apples, as some manufacturers give their joule rating as *stored energy* and others as *output energy*. Stored energy is a misleadingly inflated figure. All Stafix and JVA energizer joule ratings are given in terms of Output Energy.

Basic Circuits and Wiring Configurations for an Electric Fence

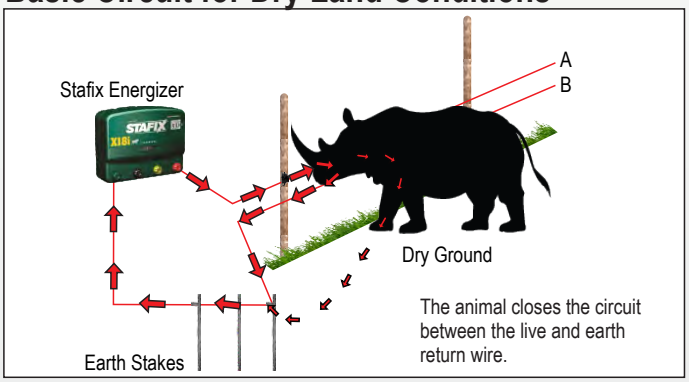
For an electric fence system to work effectively one has to understand and correctly apply certain basics principles. An electric fencing system comprises of three components: the energizer, the earthing system and the fence line itself. Link the three together and one has an electric fence. Close the circuit between the live wire/s and the ground or earth return wire/s and one has a circuit through which electrons (electricity) can flow thereby delivering the shock. If one, or more, of these three components is faulty, the whole system will be faulty.

Basic Circuit for Moist Conditions



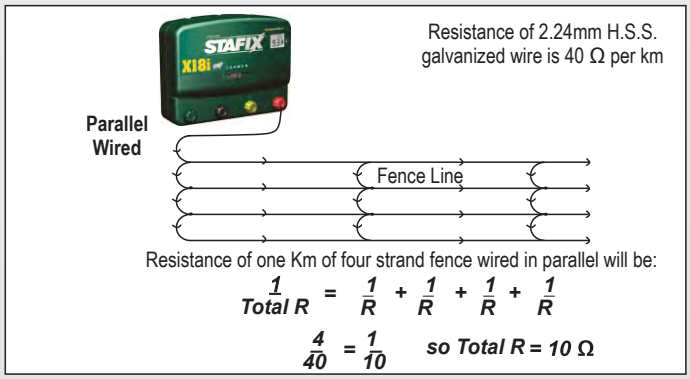
Moist ground is a good conductor of electricity, so in this circuit the electricity will flow from the Energizer, along the wire, through the animal closing the circuit, back through the ground to the earth electrodes and on up into the energizer thereby completing the circuit and delivering the shock.

Basic Circuit for Dry Land Conditions

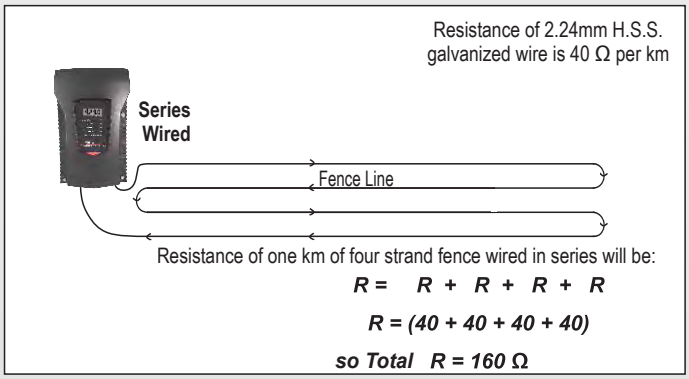


Dry ground is a poor conductor of electricity. In this circuit one adds an earth return wire (B) to the fence. The animal now closes the circuit between the live wire (A) and earth return wire (B) and so one does not rely on the poorly conductive dry ground to close the circuit.

Parallel vs Series Wired Circuits



Parallel wiring reduces the resistance of the fence line thereby enabling it to deliver a more powerful shock but it is less sensitive to shorting. This makes it more suitable for livestock control but is less suitable for security fences.



Series wiring results in one long wire thereby increasing the resistance of the fence. This circuit is generally used for security fencing. Short out any wire to earth and the monitor will trigger an alarm.

The Earthing System

Note: *We cannot stress enough the importance of good earthing. A poor earth system will greatly reduce the effectiveness of your electric fence.*

Do's and Don'ts of Earthing

DO:

- Insert at least three 1,2m long earth stakes at the energizer
- Place the earth stakes 1,2m apart
- Connect the earth stakes together by using a single length of underground cable
- Keep earth stakes at least 2m away from any mains power
- In an urban area install additional earth stakes every 30m
- In rural areas install additional earth stakes every 100m.

DON'T:

- Connect more than one energizer to an earth stake
- Connect your energizer earth to ESKOM or TELKOM's earth stakes
- Allow the earth system to touch any part of a building
- Connect the earthing system to water pipes
- Insert earth stakes where they can be tripped over
- Use unlike metals e.g. copper to galvanized, as this will cause electrolysis.



S112

Stafix M86 Energizer

The NEW Stafix 86000W Mains Energizer offers a powerful alternative to the M63R model for farmers who want a great performing energizer with an intuitive interface. With Bluetooth and Wi-Fi compatibility, the Datamars Livestock Farm App provides the ability to monitor and control the energizer from a phone.

Features:

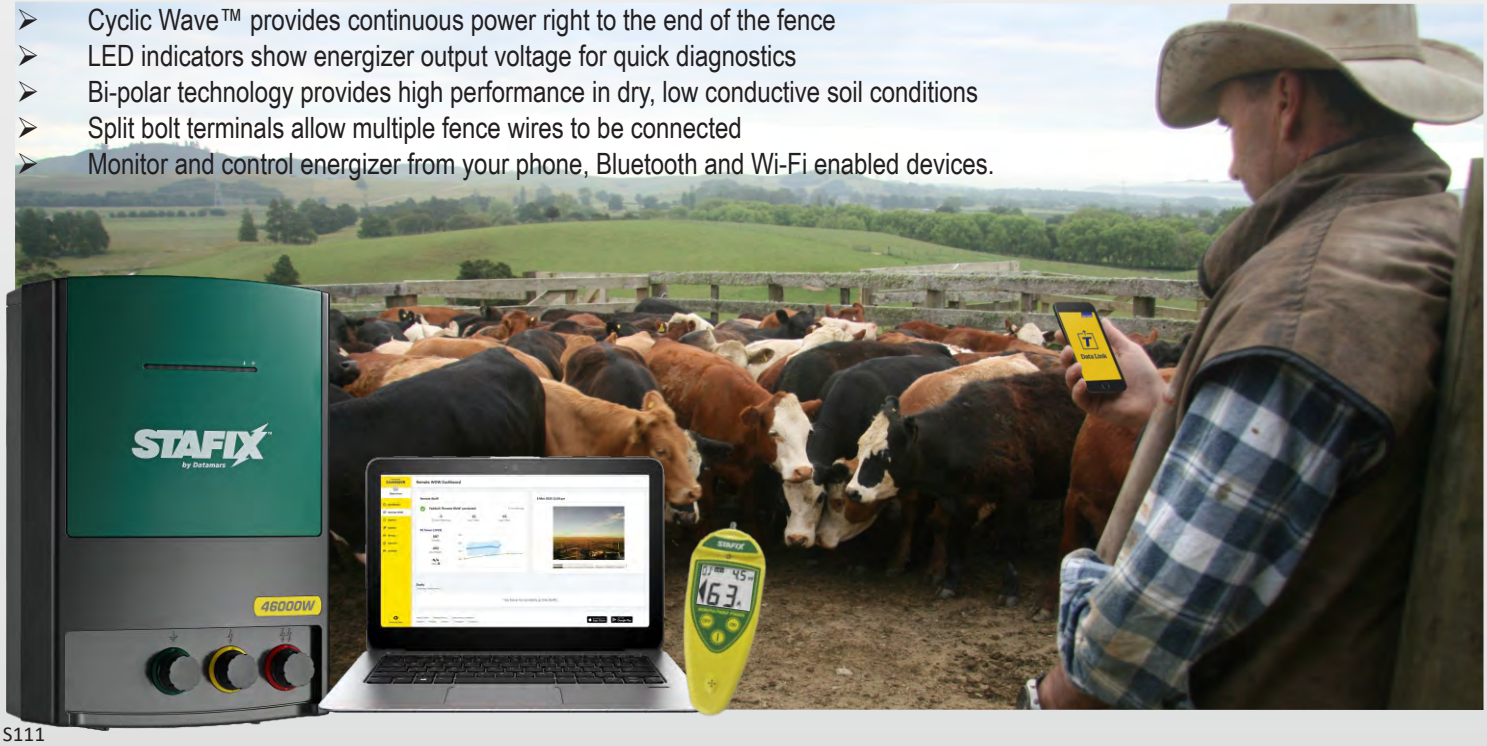
- Cyclic Wave™ provides continuous power right to the end of the fence
- LED indicators show energizer output voltage for quick diagnostics
- Bi-polar technology provides high performance in dry, low conductive soil conditions
- Split bolt terminals allow multiple fence wires to be connected
- Connect with nearby energizer using Bluetooth to check voltage, turn on and off, and configure remote address (Fence remote sold separately.)
- Connect to energizer remotely over the internet to receive notifications when voltage drops. Check voltage remotely, and turn on and off remotely (Requires Wi-Fi network coverage.)
- Use the Datamars Livestock Farm App to connect to the energizer and see the fence voltage in real-time, configure the energizer settings and connect the energizer to the Wi-Fi network.

Stafix M46 Energizer

The Stafix 46000W Mains Energizer replaces the Stafix M36 in the Stafix Range. The Stafix 46000W is not only a great performing energizer 20% more powerful than the M36 it replaces, but also offers farmers an intuitive interface. With Bluetooth and Wi-Fi compatibility, the Datamars Livestock Farm App provides the ability to monitor and control the energizer from a phone.

Features:

- Cyclic Wave™ provides continuous power right to the end of the fence
- LED indicators show energizer output voltage for quick diagnostics
- Bi-polar technology provides high performance in dry, low conductive soil conditions
- Split bolt terminals allow multiple fence wires to be connected
- Monitor and control energizer from your phone, Bluetooth and Wi-Fi enabled devices.



S111

Stafix Cyclic Wave Energizer Specifications

Model	Stored Energy	Max Output Energy	Input Voltage	Open Circuit	500 Ohm Load	100 Ohm Load
M86	128 Joules	86 Joules	220V	Up to 9,500V	Up to 9,300V	Up to 8,900V
M46	68 Joules	46 Joules	220V	Up to 9,500V	Up to 9,300V	Up to 8,900V
X18i	23 Joules	18 Joules	12V/220V	Up to 9,300V	Up to 8,800V	Up to 5,500V
X12i	16 Joules	12 Joules	12V/220V	Up to 9,200V	Up to 7,800V	Up to 4,900V
X6i	10 Joules	6 Joules	12V/220V	Up to 9,500V	Up to 6,700V	Up to 3,100V
X3	4.2 Joules	3 Joules	12V/220V	Up to 11,400V	Up to 6,200V	Up to 2,300V
X2	2.8 Joules	2 Joules	12V/220V	Up to 11,000V	Up to 5,900V	Up to 2,100V
X1	1.5 Joules	1 Joules	12V/220V	Up to 9,850V	Up to 5,300V	Up to 1,850V

STAFIX AGRICULTURAL & GAME ENERGIZERS

Stafix X-Series 'Cross Over' Energizers

Stafix's cutting-edge development philosophy led to the innovative Stafix X1, X2, X3, X6i, X12i and X18i 'cross over' range of energizers. These multi-powered energizers can be either high-performance Mains Powered units or robust 12V Battery Energizers.

All-in-All it offers More Power and Greater Versatility at a Lower Price.



For more information
on our Game Management Range
visit our website for the full
PRACTICAL GUIDE TO GAME FENCING



S142 S140 S138

S304



SX003 SX002 SX001

All X-Series Energizers Have:

- Indicator lights which show output voltage and battery conditions
- Adjustable pulse speed and improved battery conservation
- Day/night sensors for superior livestock and predator control
- Easy mounting on a wall, fence post or fence wire
- Battery lead sets and fence lead sets
- Power adaptors for mains powered installations.

Intelligent X6i, X12i and X18i Features in Addition to the Above:

- Earth Monitoring allowing user to identify earth system problems
- Backlit LCD screen displays output voltage, battery voltage and earth voltage
- Remote ready
- Half voltage terminal enables bi-polar operation that ensures performance in exceptionally low conductive soil areas and allows farmers to reduce the fence voltage if required
- Cyclic Wave™ technology to give a cleaner more efficient pulse, resulting in more voltage at the far end of the fence line.

STAFIX 2 YEARS FOR VALID WARRANTY

Style

The smooth, clean lines of Stafix Energizers make them easy to install and even easier to use. Multi-fit options on the rear and large front-mounted terminals are just what you need.

Strength

Intelligent design and robust construction from new super-tough plastics give years of trouble free service.

Safety

Stafix energizers are designed to meet stringent international and local safety standards for electric fence energizers. The units comply with the following standards: IEC SANS 60335-2-76 amendment 1 2000 SA, Australia, IEC for Europe and cULus for North America.

Low Interference

The Cyclic Wave™ technology produces minimum levels of electromagnetic interference, well within the international standard requirements. This can make a substantial difference to the amount of interference experienced on nearby telephone and radio communication lines.

JVA HIGH POWER AGRICULTURAL LCD ENERGIZERS

JVA Mains/Battery High Power LCD Energizers

The NEW JVA High Power LCD (Liquid Crystel Display Screen) IP Energizers® are available in various models. The MB "XXL" is available in 32 and 24 Joules outputs and in one- and two-zone fence models. The MB "XL" Energizers are available in 16, 12 and 8 Joule outputs. The JVA IP Energizers® can be controlled from anywhere in the world using your mobile phone App.

All the units are ready to go out the box and can be paired to the JVA remote for added "from the fence" arming and disarming. Factory default settings can be changed through the use of the Virtual Keypad programming ability from a smart phone. All units can communicate through Wi-Fi to the JVA Cloud Router. Cloud router allows multiple energizers and sites to be monitored and controlled from one platform from anywhere in the world.



JPTE2440

JPTE2441

JVA LCD Energizer Range Features:

- Mains powered 110V/240V or
- Battery powered 12V/25V
- High Joule Power on demand
- JVA Remote Compatible
- IP Energizer Cloud Management
- Free Cloud Router APP - no monthly charges
- LCD showing KV, Battery Voltage, Amperage and Stored Energy in Joules
- Auto-Sync TM safety technology
- Solar capability
- Smooth Pulse Wave shape
- Overload indication (Audible and Visible)
- Lightning protection
- Reverse battery protection
- Self-resetting fuse
- Low battery indication
- Over discharge battery protection
- Battery life maximization
- Battery voltage measurement
- Ant and Moisture protection
- UV Stable enclosure
- Audible alarm
- Bi-Polar output
- 3-year Warranty



JPTE2442

JPTE2443

Virtual Keypad Programming via Smart Device when in proximity to the MB LCD Energizer



	MB 25 SINGLE	MB 25 DUAL	MB 32 SINGLE	MB 32 DUAL
Stored Joules	35J	2x17.5J	46J	2x23J
Energy Output	24J	2x12J	32J	2x16J
Power Consumption at 13.5dc	2.5A	2.5A	3.6A	3.6A

JVA LCD Range



JVA8

JVA12

JPTE2160B



Cloud Router APP

	MB8	MB12	MB16
Stored Joules	11J	16J	22J
Energy Output	8J	12J	16J
Power Consumption at 12.5Vdc	0.9 A	1.25 A	1.6 A

JVA AGRICULTURAL & GAME ENERGIZERS



For more information on our Agricultural Range visit our website for the full JVA AGRICULTURAL BROCHURE

JVA MB Mid-Range Battery and Mains LED Energizers

The MB1.5, MB3 and MB4.5 Electric Fence Energizers deliver between 1.5 and 4.5 Joules output energy per pulse. Their innovative design means you can have versatile portable power from a 12V battery when needed, or run it from 240Vac mains electricity where that is available. Optional JVA Solar Kits and external batteries are available.



JVAMBX1.5 JVAMBX3 JVAMBX4.5

	MB1.5	MB3	MB4.5
Stored Joules	2J	4J	6J
Energy Output	1.5J	3J	4.5J
Power Consumption at 12.5Vdc	0.15A	0.3A	0.5A

LCD Display



- Larger screen display
- Battery voltage
- Joules output
- Voltage on fence



JMHM030

JVA LCD Solar Energizers

JVA offers a range of Solar Powered, Electric Fence Energizers which are ready to operate straight out of the box! A reliable built-in rechargeable battery and integrated solar panel means JVA Solar Energizers are totally portable, with no need for extra batteries and hardware. Just slide the energizer onto a support post, attach to the fence and switch it on.



JPTE2161



JPTE2166



JPTE2172



JPTE2164

JVA Solar Energizer Features:

- Quality crystalline solar panel and internal battery
- Front panel On/Off switch and LED pulse indicator
- Low Battery indication
- Large easy to use fence terminals
- Easy mounting on top of a Y-standard or U-bolt to a pole
- Sealed for ant and moisture protection
- On the SV5 up to the SV50 a LCD shows fence voltage, stored energy and battery voltage
- Auto-Sync technology for safer fences
- Internal lithium battery included.

	SV2	SV5	SV10	SV20	SV35	SV50
Stored Joules	145mJ	650mJ	1.1J	2.9J	4.2J	6J
Energy Output	120mJ	500mJ	0.8J	2.4J	3.3J	5.2J

JVA PET ENERGIZERS

JVA Solar Energizer Stand Fin

The JVA Solar Fin Stand is light and compact. This full-length stand can be unscrewed in the middle, making the two shorter parts easier to store and carry and ship with Pet Solar Kits. It keeps the energizer off the ground but can also keep it low and hidden from prying eyes.

The fin acts as a foot plate and anchor when pushed into the ground but also, with its extra area, makes a nice earth stake with plate for short distance strip grazing and pet fences.



JMHM030

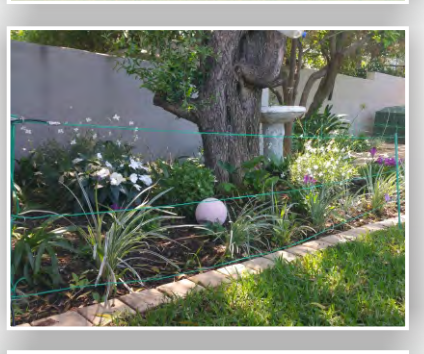






JVA Pet Kit

The JVA Pet kit has the option of being supplied with the JVA Pet 100 Energizer or the SV2 Solar Energizer. The Pet100 energizer has the option of being mains or battery powered. The SV2 gives you off the grid solar charging and the versatility of having your energizer positioned anywhere on the fence line and no need for a 220V power source. For larger dogs and longer distances, pet electric fence kits can be made up by using strip grazing accessories and energizers.



JVA Pet Kit includes:

- 1 x Energizer
- 8 x Fibreglass Poles (8 x 850mm)
- 1 x Fence Wire (100m)
- 1 x Earth Stake
- 1 x Warning Sign
- 24 x Springs
- 6 x 10mm Ferrules
- 10m HT Soft Cable.



PET100 KIT_JVAPETKIT
PET KIT WITH SV2_JVAPETSOLAR





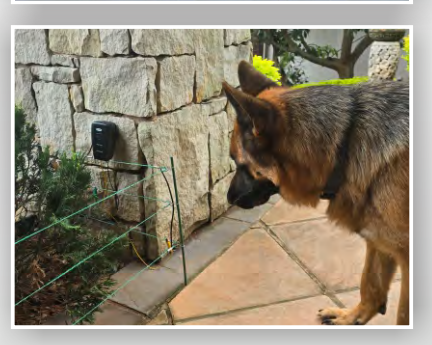
JPTE2234



JVAPET

	SV2	PET100
Stored Joules	145mJ	130mJ
Energy Output	120mJ	110mJ

Note: *Sufficient for 30m of 3-strand fence JVA PET100 complies with SANS 60335 – 76 standards*







PET CONTROL



For more information
on our Pet Management Range
visit our website for the full
JVA PET MANAGEMENT BROCHURE

Anti-Bark Dog Collars

These Anti-Bark collars create a safe, slight discomfort to a pet that is causing disturbance by barking continuously and unnecessarily. The first barks receive an audible 'beep' and if not heeded, a static stimulus deters the barking.

Anti-Bark Collar — Econo

- Economical battery powered deterrent collar
- Well priced one-size-fits-all design
- Training modes: beeper and static stimulus (unit beeps with first 3 barks and then stimulates only on the fourth, giving the dog an audible warning beep before changing to static stimulus mode)
- 7 intensity levels for a wide variety of dog dispositions
- 7 levels of sensitivity (to adjust for background noise and growling)
- Easy to test the functionality and sensitivity by simply blowing on the unit and hearing a beep
- Supplied with light testing tool to check the stimulus



NWT758



NWT743RG

Anti-Bark Collar - with digital display

- Rechargeable
- Vibration Mode (V) warning prior to the stimulation
- 7 intensity levels (1-7) for a wide variety of dog dispositions (to adjust for background noise and growling)
- Multi-Colour LED Battery Life Indicator
- Supplied with Light Testing Tool to check the shock
- CE/ROHS approved



Single Collar Kit
Available
NWT738N2

Extra Collar Kit
Available
NWT735N3

Rechargeable Training Collar Kit

- LCD Display
- Remote range up to 300m
- 100 levels of vibration
- 100 levels of static (optional)
- Expandable to 2 dogs (extra collar optional)
- Rechargeable and waterproof

Warning: *Do not use the product if your dog is prone to aggressive behavior or under 4kgs in weight.*



NTP16

Extra Collar
Available (NTP16C)

Underground Control Dog and Cat Fencing System

- The closer your dog gets to the buried boundary wire, the more intense the shock will become. The wire in the kit is 100m long.
- A warning sound will be issued first, then a shock stimulus after 4–10 seconds. If your dog continues to move closer to the boundary, the shock stimulus will intensify.
- The system allows you to control precisely the width of the signal field.
- Should your buried wire ever break, a loud sonic alarm will sound accompanied by a flashing light.
- The faster your dog is moving, the quicker the higher level of shock intensity is increased.
- The transmitter is protected from power surges caused by lightning strikes.
- There is no limit to the number of collars it can control. Add as many collars as you like to contain as many animals as you have.
- It has a range of up to 5000 square meters (over 1.2 acre).



NWTF810

GPS Outdoor Wireless Dog Fence System

- Similar features to the underground dog and cat fencing but now the perimeter is circular and set via GPS
- Use of Satellite antenna positioning to set a circular area for the dog to remain in
- The GPS system allows you to control the radius of the area from 14 to 990 meters
- Eliminates the need for a buried cable or physical fence (GPS boundary is limited to a circular shape.)

JVA BOUNDARY RIDER

JVA Boundary Rider and Base Station



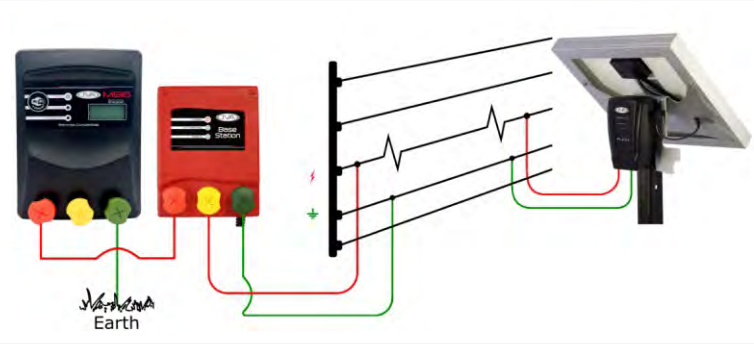
JPTE0352

BOUNDARY RIDER®

BASE STATION



JPTE0354



The JVA Boundary Rider ® is a Fence Line Communications (FLC) Electric Fence Monitor. The Boundary Rider™ will allow you to check the voltage on your fence at each JVA Boundary Rider® from anywhere in the world. It can also send you an alert if a fault occurs at that point on your fence. It will give you peace of mind knowing that your property's electric fence is working. The Boundary Rider® is part of the JVA range of Monitored Electric Fencing Products. This range includes IP Energizers® and IP Monitors.

It is the perfect tool to keep you informed of the performance of your fence. No need to waste time driving the fence line every morning, to check for faults, this can be done through your FREE App from anywhere in the world.

The JVA monitoring system adds more functionality to already popular JVA MB8/12/16 and Jumbo energizers. However, it can also be used with most other branded energizers.

How does it work? Each Boundary Rider periodically sends the fence voltage information along the fence wires to the Base Station. The Base Station transfers this information to the JVA Cloud Servers over a Wi-Fi link.



APP

JVA Boundary Rider Features:

- Electric fence voltage monitoring
- Communicates on the electric fence live wires
- Solar Powered
- Star picket mounting bracket included
- Built-in Li-ion battery
- Auto power up/down
- Simple LED display

Scan QR Code to see video

JVA Base Station Features:

- Electric fence Voltage and Current monitoring
- Compatible with most medium to high powered pulse energizers
- Notification to smart device
- Simple LED display
- 1 base station can pair up to 10 Boundary Riders



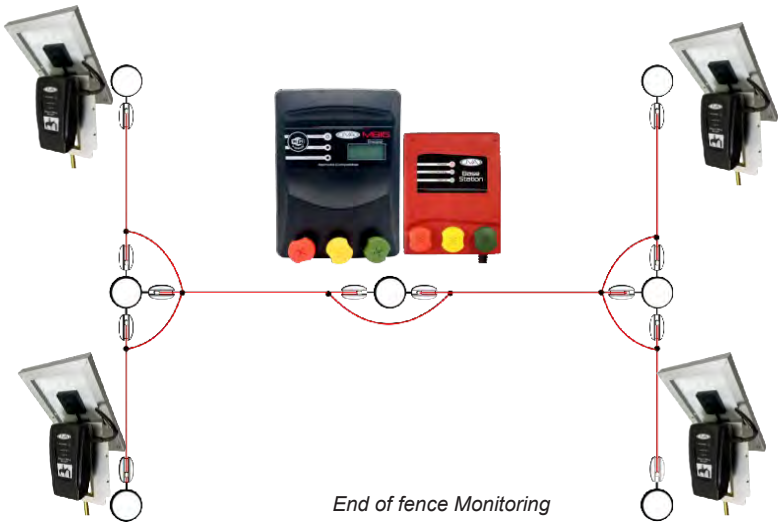




Monitoring Layouts

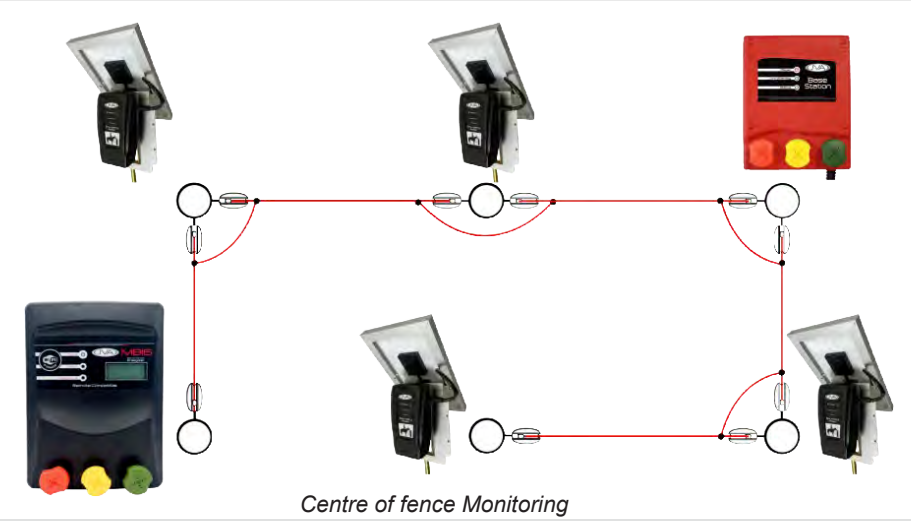
The simplest method of using Boundary Rider(s) to monitor your fence is to place one at each extremity of your farm. This is known as “End of Fence Monitoring”. By doing this you can check the voltage at the ends and be assured that power is flowing all the way from the energizer to these points, i.e. your entire installation is fine. The information is transferred along the live fence wire to the base station, which transfers it to the JVA Cloud Servers over a Wi-Fi link.

An alternative is to use more monitors to create sections within the fence system between each Boundary Rider. Then, for example, if BR 2 reports that the fence is operational but BR 3 reports a fault, the cause of the problem is between BR 2 and 3.
Note: the Boundary Rider has been designed to operate at a maximum distance of up to 6km away from the Base Station. This limitation can be overcome by installing the Base Station in the middle/centre of the Boundary Riders.



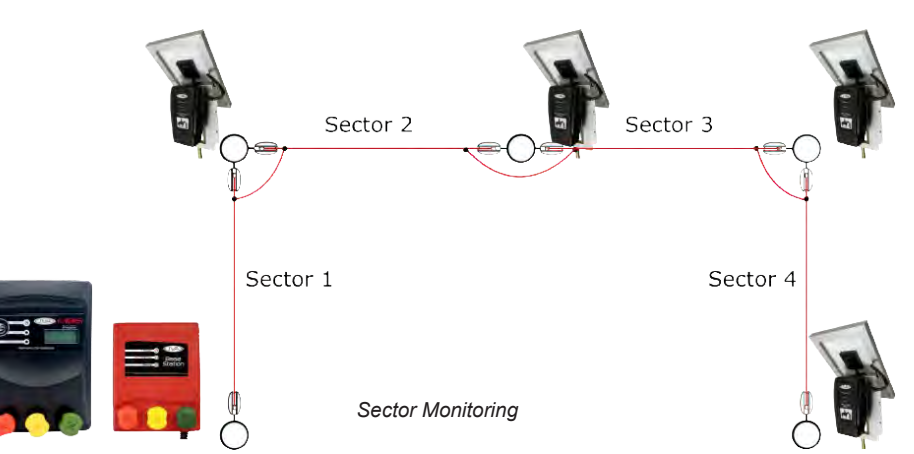
End of fence Monitoring





Centre of fence Monitoring





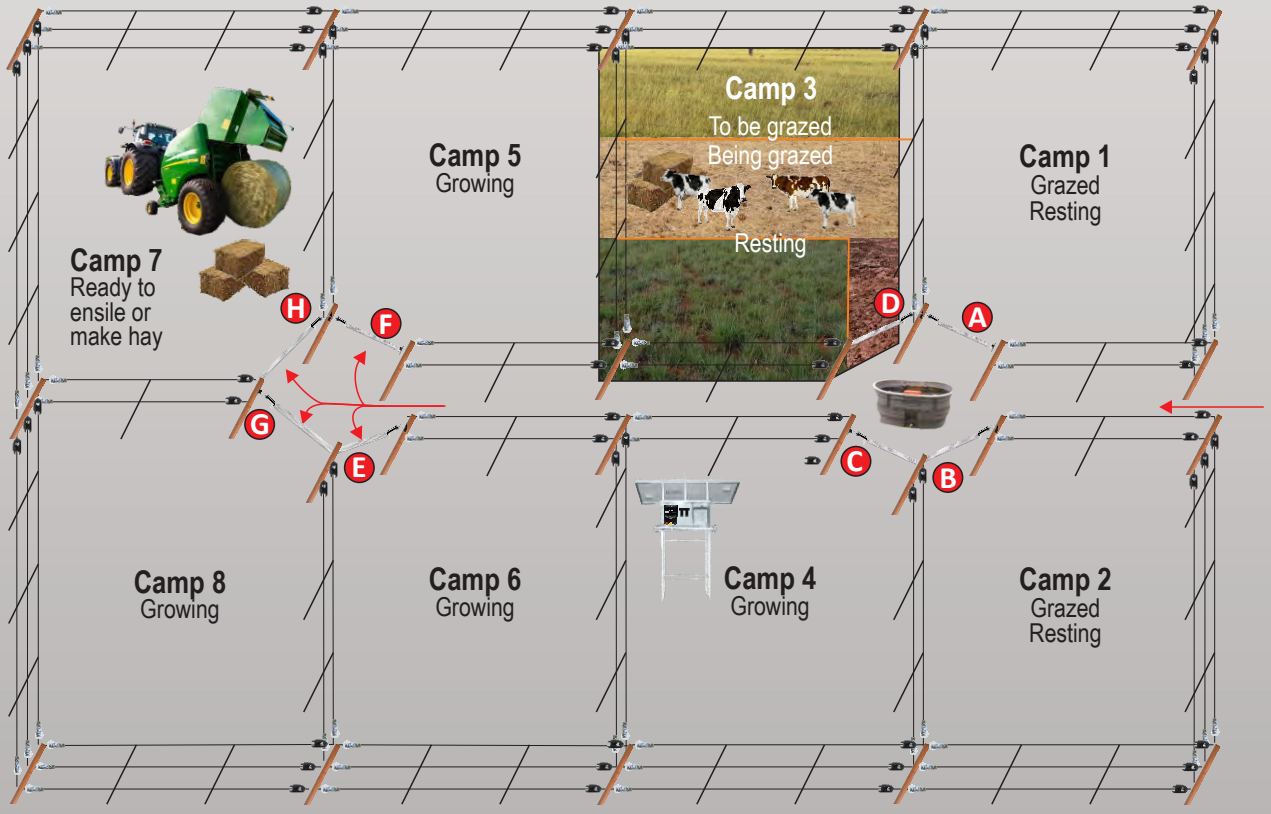
Sector Monitoring

CONTROLLED STRIP GRAZING LAYOUT



For more information on How to Profit from Pasture visit our website for the full PRACTICAL GUIDE TO STRIP GRAZING BROCHURE

Layout Explanation: The area to be controlled/strip grazed is ring-fenced with a 3-strand permanent electric fence, or if already fenced with a conventional fence, an off-set wire can be attached to this fence. Internal camps are fenced with 2 strands of permanent electric fence. The area to be strip grazed can then use a single strand of portable poliwire fencing which simply taps off the subdividing electric fences. The whole system can be powered by a single high-powered JVA MB16, located in the centre of the layout. Gate ways are spanned using spring/tape gates (A-H) for flexibility. Water troughs can be located in the centre walkway. Controlled grazing principles do not apply only to expensive planted irrigated pastures, but can and should be applied to the grazing management of natural veld as well. Below are examples of high-density, quick rotation, grazing on natural pasturage (veld).





An evenly, well grazed, natural pasture (veld)
Note: *No unpalatable tufts left*



A camp recovering during the rest period
Note: *Thickening of the tufts and better coverage*



Sheep and cattle being intensively grazed in semi-desert conditions (Karoo/South Africa)
Note: *(UHDQGS) Ultra High-Density Quick Grazing System*

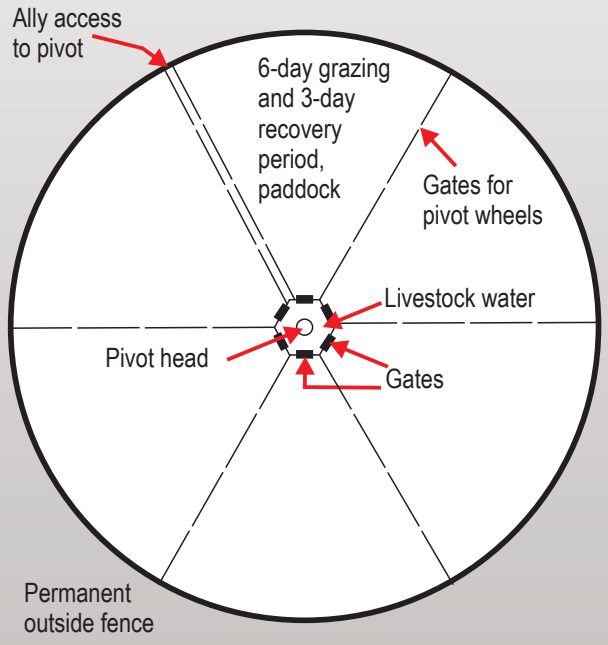


Animals ready to be moved onto ungrazed pasture
Note: *Heavily grazed background & after a two-year rest period, the lush growth in the foreground in this very dry area*

CONTROLLED STRIP GRAZING LAYOUT

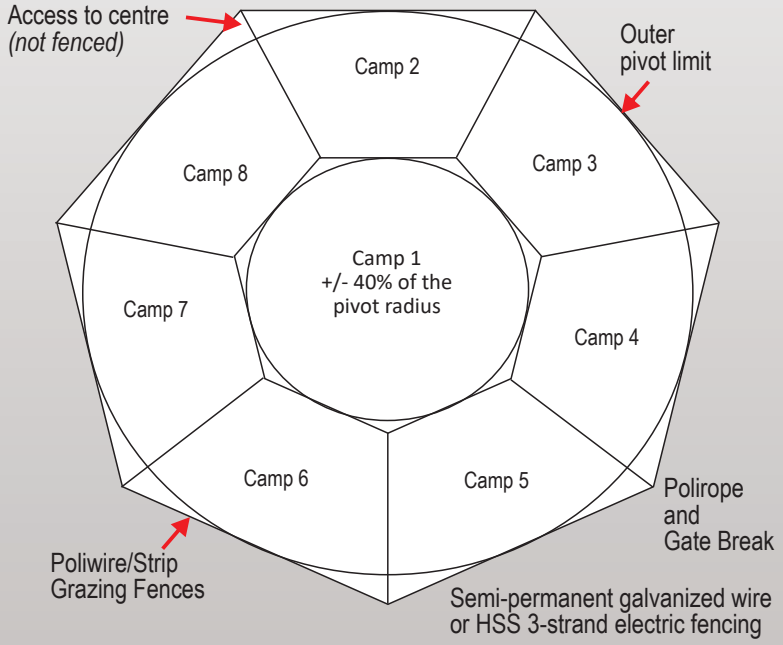
Center Pivot Layouts

Wagon Wheel Layout

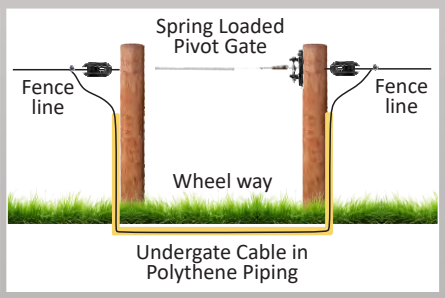


Eight Camp Centre Pivot Layout

Acknowledgement: C.I. MacDonald (Cedara Agricultural College)







'Waste' land utilized for:
1) Licks and water troughs
2) Dry loafing area for livestock

Note:

a) Camp 1 is larger than camps 2-8 (due to hub of pivot)
b) For practical purposes, all camps are the same size
c) Each camp can be further divided by means of Poliwire fences.

Strip Grazing Tips

- Try to position your energizer at the center of a large controlled grazing layout. This will reduce the load on the energizer and so it will be able to power further.
- Remember the rule of thumb and position the live wire of the fence at nose or shoulder height to the animals you wish to control. Also remember that all animals need to be trained to respect electric fences. Do not rush them, do not crowd them. Let them find out that the fence is hostile in their own time.
- With difficult to control animals, or animals that might have lost their respect for electric fencing, pad-wipe the fence wire with diluted molasses to entice the animals to sniff the live wire. They'll soon relearn.
- When cows are on young pasture with a high moisture content, they may scour *(runny tummy)*, so it is advisable to let them have access to some good quality hay to increase the fiber content of their diet.
- On young pasturage, especially if there is clover incorporated within the pasture, keep an eye open for bloat. Have some Bloat Guard Drench and a Trocar available for emergencies.
- When winding up the poliwire of a strip grazing electric fence, first remove the wire from the insulators. This will prevent the 'cheese cutting' effect of the steel braids on the insulators and thus prolong their lifespan.
- Then walk across the pasture winding up your poliwire as you go along. Standing in one place and winding often results in the wire snagging in the grass and jerking to release it will weaken the poliwire.
- Poliwire products have a very high resistance which limits the distance one can achieve with this product.
- Always back-fence when strip grazing to prevent the animals from grazing the regrowth and thus preserve root reserves.
- Graze your pasture at the right stage of its growth cycle. Rank pasture is high in fiber and is therefore less nutritious. If you find the grass is getting away from you, rather start the grazing cycle again and make hay or silage with the grass that was in danger of becoming rank.
- Clean up the pasture that has been grazed by the milking herd by following up with dry cows or heifers. The pasture needs to be grazed off evenly for best results. Once grazed off, move the followers on quickly so as to prevent any grazing of regrowth.
- Do not forget the importance of good earthing, especially on larger controlled grazing systems.

STRIP GRAZING ACCESSORIES



Ultra Heavy Duty JVA Geared Value Reels

The heavy duty galvanized steel frame structure with glass fibre reinforced nylon bobbin makes this reel tough for the hardest conditions. Available in 1:3 geared ratio. (One rotation of the handle gives three rotations of the spool.)



Ultra Heavy Duty Value Reel

The heavy duty galvanized steel frame structure with glass fibre reinforced nylon bobbin makes this reel tough for the hardest conditions 1:1 ratio



Spring Gate Kit

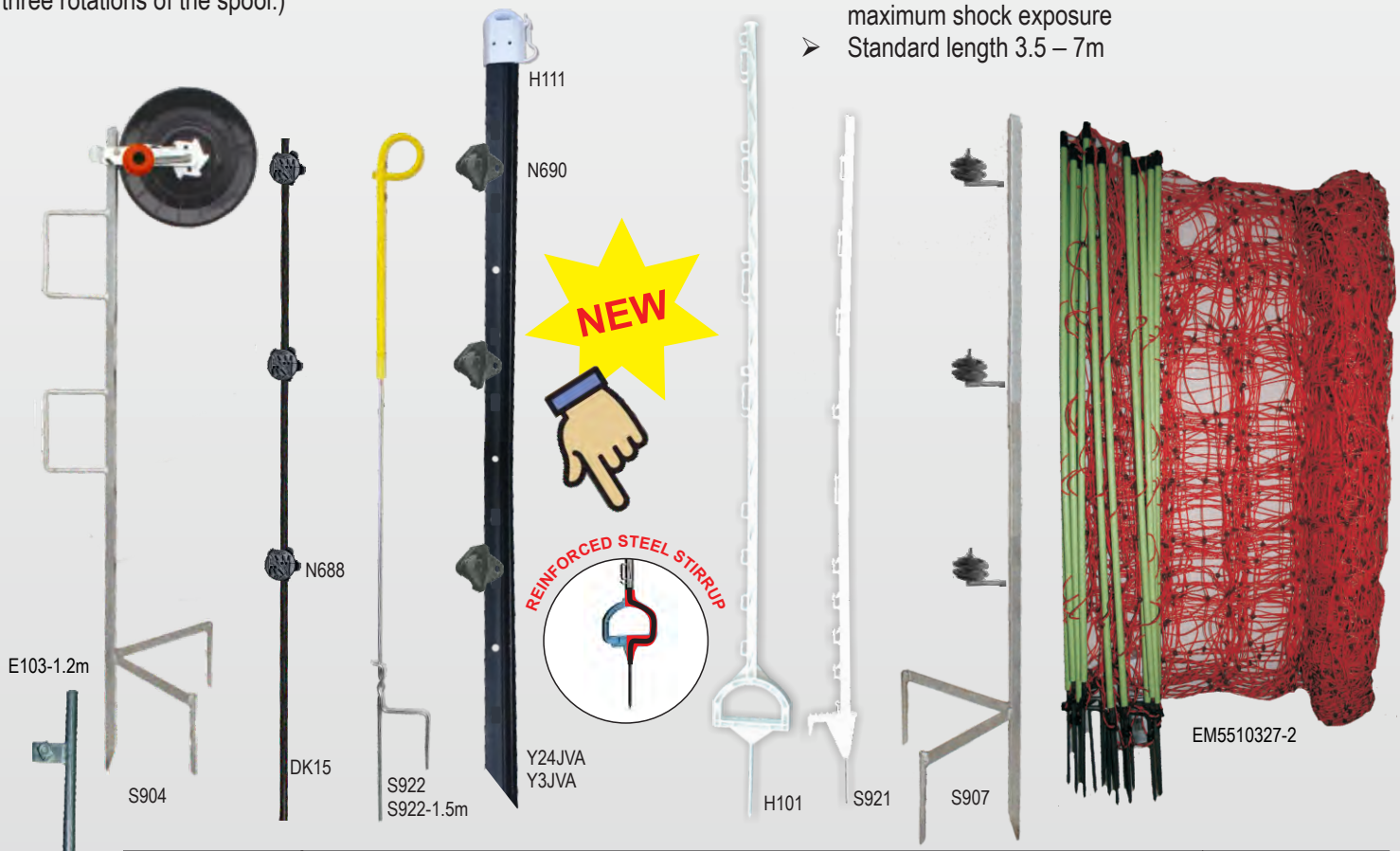


Tape Gate Kit



Bungy Cord Gate Kit

- Consists of multi-stranded latex core and UV resistant sheath, for easy, quick assembly of electric gates
- 4 stainless steel wires for maximum conductivity
- Wires cross over ten times per centimetre for maximum shock exposure
- Standard length 3.5 – 7m



CODE	DESCRIPTION	HEIGHT
E103 - 1.2m	Earth Stake Galvanized Reinforced Bar	1.2m
S904	Galvanized Reel Stand with chain can support 1 – 3 reels	1.2m / 1.5m
Dk15	Ridgeback Dropper	1.5m
S922/S922-1.5	Pigtail Tread-In — 6mm galv spring steel with strong crimp foot	1.2m / 1.5m
Y24JVA/Y3JVA	JVA Y-Standard	2.4m /3m
H101	HD Tread-In — sturdy stirrup foot design with fittings for tape and Poliwire	1.5m
S921	Tread-In with fittings for Poliwire, Polirope and Politape	1.2m / 0.9m
S921-900mm-H	Tread-In with fittings for Poliwire, Polirope and Politape — sturdy stirrup foot design	0.9m
S907	Galvanized Camp Temporary Corner Post	1.2m / 1.5m
EM5510339-2	Euronet Electric Fence Netting for Poultry, 112cm on a 50m roll	112cm
EM5510327-2	Euronet Electric Fence Netting for Sheep, 90cm on a 50m roll	90cm
EM110600	Euronet Electric Fence Netting for Sheep, 106cm on a 50m roll	106cm

STRIP GRAZING ACCESSORIES





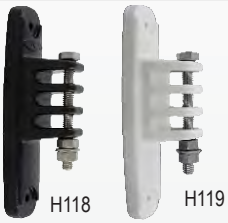
Centre Pivot Gate

Allows free movement of centre pivot wheels through electrified fence camps



1- and 3-Way Activator Plate

Used in conjunction with end/corner strain and gate handle, to complete the current when the gate handle is connected



JVA Corner Tape Strain Insulator

- This robust, unique, versatile, easy-to-install, multi-faceted strainer/corner insulator can be nailed or stapled to a wooden strainer post or pop-riveted onto a metal strainer post
- It has 3-way straining capabilities and is ideal for corners and angles



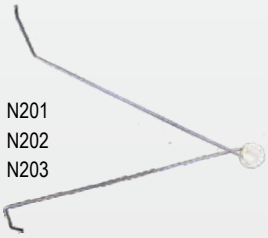
HT Cable – Hard

Available in: 50m
100m, 200m and 1000m



Jumbo Strain

Used for long strains



Single Offset

Available in: 225mm, 350mm and 450mm



Double Offset

Available in: 225mm and 350mm



Heavy Duty Compression Gate Break Handle

- Strong robust body
- Positive non-slip grip
- High tensile, heavy-duty spring compresses under tension, preventing over stretching
- Fully galvanized





Double Pinlock

Used with y-standards





Lockable Cut-Out Switch

A handy fence tool allowing the section of fence to be switched off for maintenance or fault finding



Nail-On

Used for droppers or wooden posts



JVA Claw Pinlock

Used for JVA y-standards

12mm or 40mm Tape Buckle

Used to attach tape to strainer insulator and in electric tape gates



Wide Clip Nail-On

Suitable for 8mm Polirope and 12mm Tape



Spring Gates

Available in Galvanized Steel or Powder-Coated White. Used for 3,5m cattle or horse gates



Combi Tensioner

Hot-dipped galvanized



Samson Maxi-P

Used to tension via the large 10mm diameter hole poliwire, politape or polirope



Screw-On Insulator

Can be attached at any point along a dropper to support an electric wire



JVA Ezi-Hook Handle

- Use as a live hook OR an insulated hook in temporary electric fencing OR as a gate break
- Designed to wind easily back through pigtails



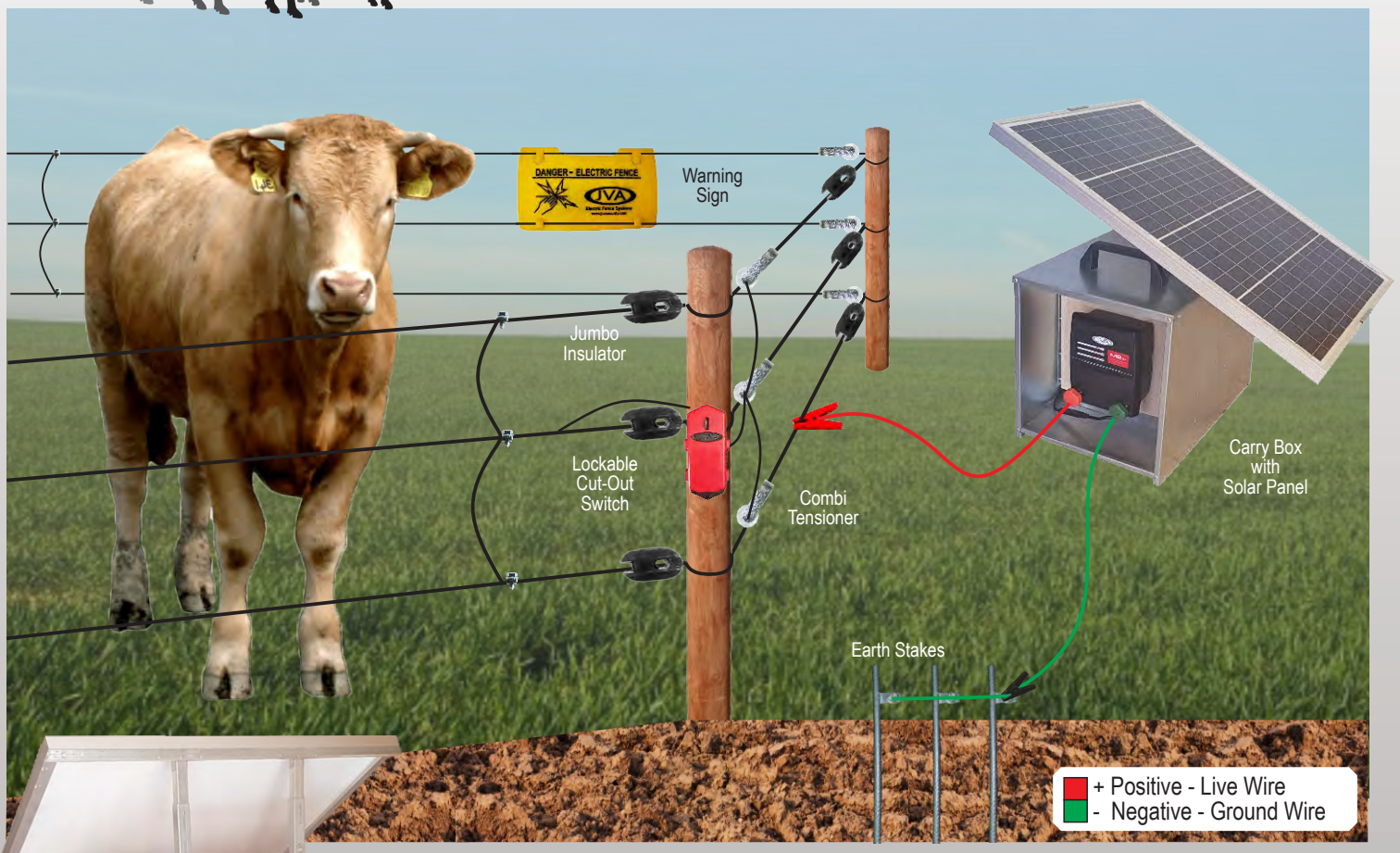
Ridgeback Dropper

The Ridgeback Dropper is a light, vertical stave in a fence, used to separate the wires of a wire fence.

Value Reel and Stand

- The galvanized value reel holder can be attached to a stand
- Ideal for temporary and movable horse camps
- The reel holds 100m/200m of 40mm/12mm tape or 500m of poliwire
- The reel has a ratchet for superior tension control

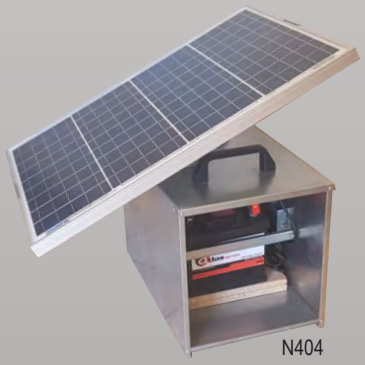
STRIP GRAZING ACCESSORIES





Shock Box with Top Solar Bracket

A large permanent 'live' Energizer Station with space for an MBXL Energizer and up to, 2 x 100 AH batteries





Carry Box with Adjustable Bracket for Solar Panel

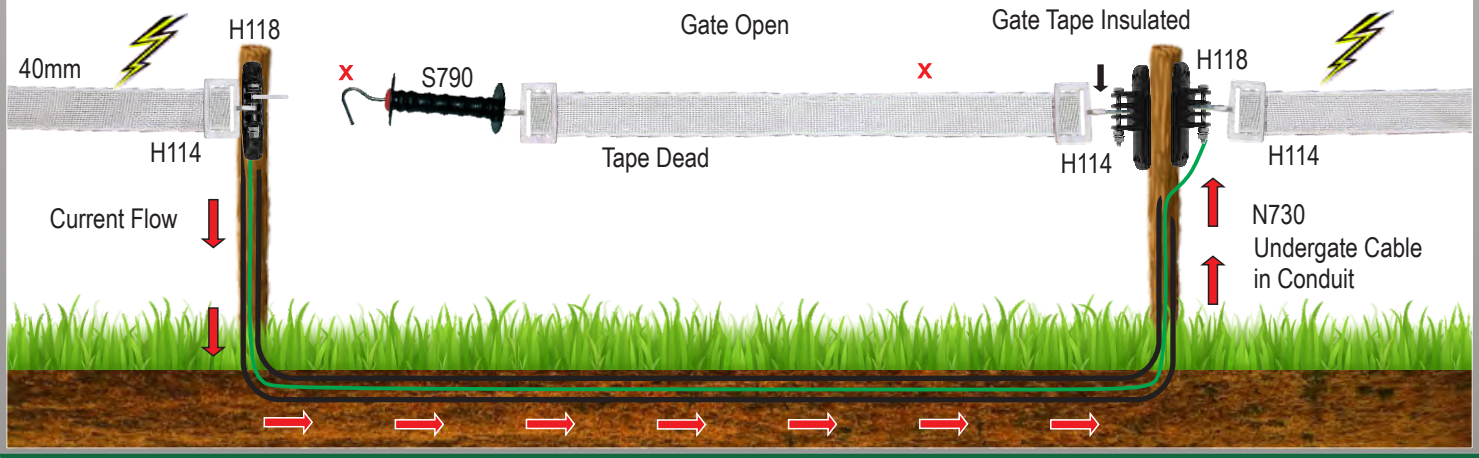
The Galvanized Carry Box (N406) with the option of adjustable solar mounting (N404), offers a quick and easy setup in the field for temporary fences. The MB Energizer and Battery (up to 50 Amp Hours) is protected from the elements, but still easy to access and transport.



Lead Joiner

Ready made 1m Crocodile Lead Sets for easy connections

Tape Gate



STRIP GRAZING WIRE

The choice of energizer and wire is a balance between usability, strength, resistance, and cost. The more powerful energizers (higher joules) power further distances, are physically larger, less portable, and more costly. Lower wire resistance allows the energizer to power further but typically requires softer compound wire and increased cost. Many farmers treat poliwire as a consumable item, replacing it every few years. We can assist with designing and matching products to your specific requirements.



S911O

S911W

Poliwire

An economical choice for temporary and visible fencing, featuring: 6 stainless steel conductors and UV-stabilized yarns twisted together. Available in white or orange, in 200m or 500m rolls. Resistance: 4000 Ohms/km



SU9400R

Ultra Poliwire

A visible, 9-conductor, low-resistance, UV-stabilized 2.5mm wire. Portable, durable, and ideal for long-distance temporary paddock fencing. Available in 400m rolls. Resistance: 180 Ohms/km.



S915PB

Polibraid (black and white)

A strong, durable 2.5mm braided polymer with 9 stainless steel strands. Suitable for more permanent or demanding applications. Ideal for intensive strip grazing with reels. Available in 400m rolls. Resistance: 5000 Ohms/km.



S915PU

Ultra Polibraid (red and white)

A stronger, more durable 2.5mm braid combining 6 stainless steel strands with 3 tin-coated copper strands. Offers improved conductivity for long distances. Suitable for permanent or high-demand applications. Available in 400m rolls. Resistance: 180 Ohms/km.



S216O

S216W

12mm Politape (200m Rolls)

Ideal for temporary camp subdivision. Suitable for use as a second strand on a permanent 40mm tape fence. Resistance 4000 Ohms/km.





N735-8KG

N735-5KG

Braided Wire

High tensile, low resistance: available in 1.2mm, 1.5mm and 2mm Galvanized. Resistance of 135 Ohms/km.



N738



High Strain Steel Wire

Full range available in Double Galv. Steel
2.24mm 50kg 1650m
Resistance of 30 Ohms/km.
2.00mm 50kg 2000m



S914OR

S914WR

10mm Gate Polirope

Made from eight standard Poliwire strands braided into a strong, highly visible rope with a 10mm outer diameter.

Can easily be looped back into itself (similar to a ski rope), allowing for strong, visible cattle gates without the need for joiners or clamps.

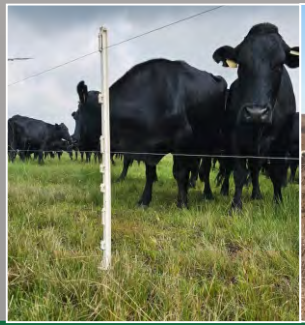
Simply loop around the gate handle or Jumbo Strain and thread the rope back through itself. Available in 100m rolls in white and orange.

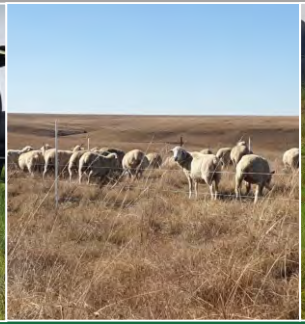


S219

6mm and 8mm Polirope (200m Rolls)

Suitable for a second strand on 40mm tape fences. Also ideal for making electric gates.







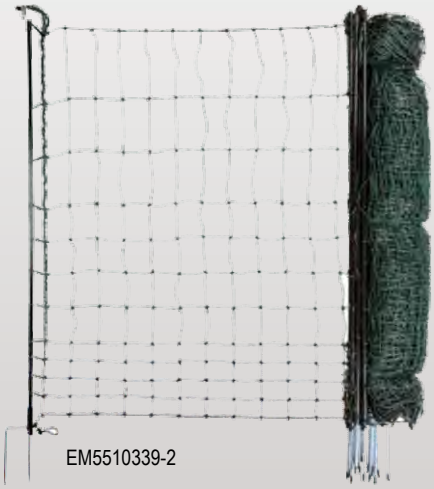




POULTRY AND SHEEP NETTING

Poultry Netting

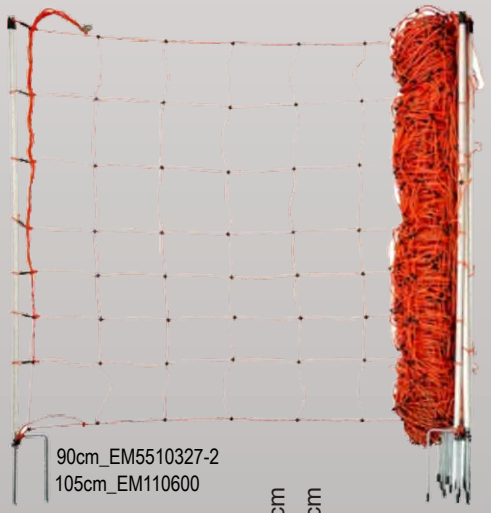
- Ideal tool to safely house your flock overnight, keeping them protected from jackals and improving pasture management
- Electrifiable (with an additional energizer) or non-electrifiable (use the netting as supplied)
- Available in 50m rolls with 14 posts, 7.5cm or 15cm vertical spacing, and a height of 112cm
- Suitable for poultry and other small animals
- High stability due to robust double prongs
- Easy and fast assembly
- Ideal for gardens and pastures
- Posts are very stable and fitted at the bottom with galvanized, double-spiked tread-ins
- Poultry netting is available in green only



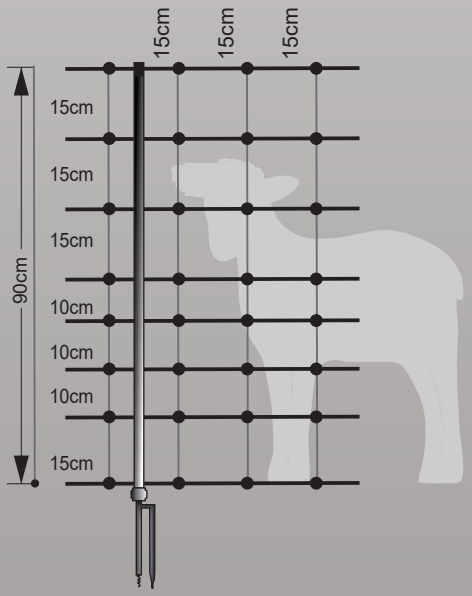
EM5510339-2

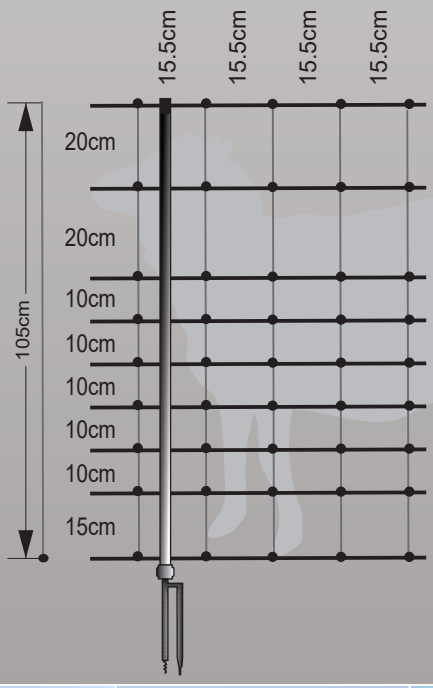
Sheep Netting

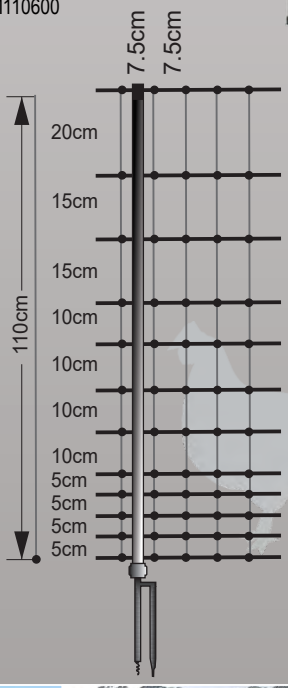
- Ideal tool to safely manage your flock overnight, protecting them from predators and improving pasture rotation
- Good conductivity and extremely durable
- Available in 50m rolls with 14 PVC posts, in heights of 90cm or 105cm
- Rust-free materials ensure high resistance and longevity
- Suitable for sheep and goats
- High stability thanks to robust double prongs
- Ideal for gardens and pastures
- Posts are very stable and fitted at the bottom with galvanized, double-spiked tread-ins
- Sheep netting is available in orange (90cm) and black (105cm)



90cm_EM5510327-2
105cm_EM110600



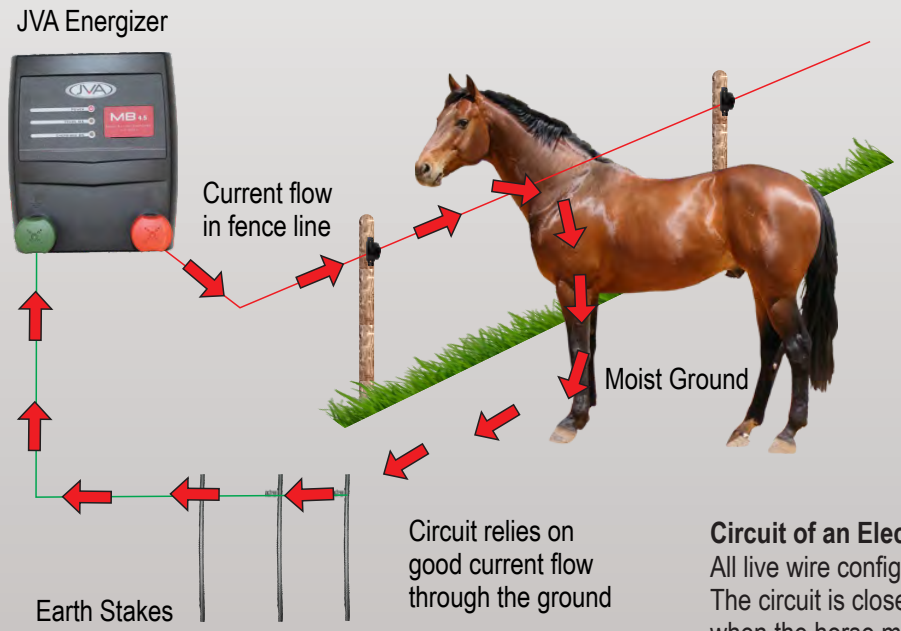






CIRCUIT OF AN ELECTRIC FENCE

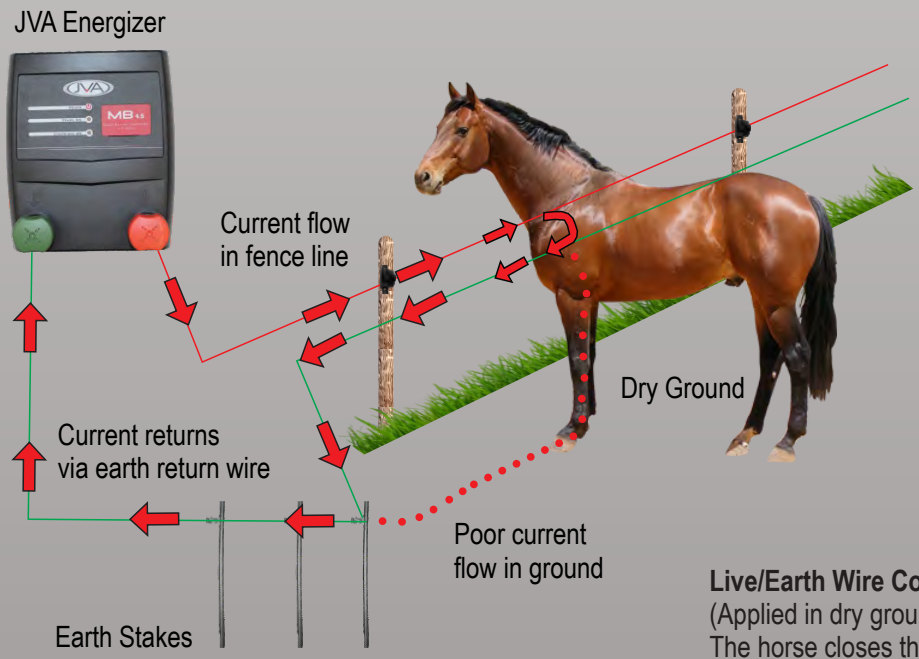
All Live Wire Configuration
(Applied in moist ground conditions.)





Circuit of an Electric Fence
All live wire configuration. (Applied in moist ground conditions.)
The circuit is closed between the live wire and the ground when the horse makes contact with the live wire.

Live/Earth Wire Return Configuration
(Applied in dry ground conditions.)





Live/Earth Wire Configuration
(Applied in dry ground conditions.)
The horse closes the circuit between the live wire and earth wire.



EQUESTRIAN FENCING

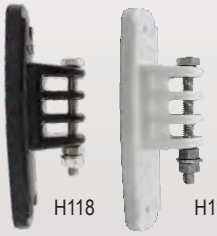

N792

Pivot Gate
Allows free movement of centre pivot wheels through electrified fence camps


S922
S922-1.5M


H100

Intermediate Horse Tape Insulator
- This insulator can either be nailed or stapled to wooden posts or it can be pop-riveted to metal posts.
- The intermediate horse tape insulator is suitable for both the 40mm and 12mm tape as well as the 6mm Polirope.


H118 H119


N698S

Ring Insulator HD
Ideal for tape and rope

JVA Corner Strain Insulator
- This robust, unique, versatile, easy-to-install, multi-faceted strainer/corner insulator can be nailed or stapled to a wooden strainer post or pop-riveted onto a metal strainer post.
- It has 3-way straining capabilities and is ideal for corners and angles.

Pigtail Tread-In
- Available in 1.2m and 1.5m
- Large foot for ease of placement
- 6mm spring steel
- Ideal for strip grazing cattle
- Durable crimp foot design


NEW

Wide Clip Nail-On
Suitable for 8mm Polirope and 12mm Tape

N673RT


H124

Intermediate Corner Insulator
This robust, unique, versatile, easy-to-install corner insulator can be nailed or stapled to a wooden strainer post or pop-riveted onto a metal strainer post.


N560-TUB

Equestrian Insulator Screws
4x38mm Pozi
Chipboard – 250/tub


H115

JVA Horse 3-way activator plate


H117

Activator Clip

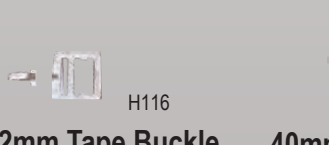
Used in conjunction with end/corner strain and gate handle, to complete the current when the gate handle is connected


N786S-RP

Samson Maxi for Polirope
Used to tension via the large 10mm diameter hole poliwire, politape or polirope

H101 S921

Heavy-Duty Plastic Tread-ins
- Stafix plastic tread-ins are ideal for temporary fencing and can be used with plastic tapes, wire or rope
- Each tread-in has positions for 12mm or 40mm politape or 8mm polirope or poliwire
- The tread-ins are available in1.2m (cattle and sheep) and 1.5m lengths (horses)


H116

12mm Tape Buckle
Used to attach tape to strainer insulator and in electric tape gates


H114

40mm Tape Buckle
Used to attach tape to strainer insulator and in electric tape gates


S216O S216W


H113 H106

12mm / 40mm Tape Joiner
An aluminium buckle used to join tape

12mm Politape
(12mm wide/200m rolls)

Ideal for temporary subdivision of camps or for the second strand on a permanent 40mm tape fence.


N218B N218W N218G

40mm Horse Tape
(40mm wide/200m)

Available in white, green or brown, these highly visible UV stabilized tapes are ideal for electric fencing permanent or temporary horse paddocks.



EQUESTRIAN ACCESSORIES



S911O

S911W

Poliwire

An economic choice for temporary fencing, featuring stainless steel conductors and UV stabilized yarns; available in white or orange in 200m or 500m rolls



SU9400R

Ultra Poliwire

The visable, 9-conductor, low resistance, UV stabilized, 2.5mm poliwire, is portable, tough and ideal for long distance electric fencing of temporary paddocks.



H127 JVA

40mm Tape Intermediate Tensioner

Easy retro-fittable, spring loaded, ratched tensioner that can be installed anywhere along the horse tape to easily take up and maintain tension.



N700EQ

Equine Warning Sign

One sided print, light duty warning sign designed with 3 clips to easily attach to 40mm horse tape; designed for minimal wind interference



40mm Y-standard Insulator

H126

NEW



H128

Horse Tape Clip



Spring Gate Kit



Tape Gate Kit



Bungy Cord Gate Kit

N734S - 50m
N730S - 100m
N733S - 200m
N732S - 1000m



HT Cable Soft, Slimline
Flexible and easy to work with
Available in 50m,100m,
200m and 1 000m

N734H - 50m
N730H - 100m
N733H - 200m
N732H - 1000m



HT Cable — Hard
Strong and robust, ideal for under gates
Available in 50m,100m,
200m and 1 000m



SP028

8mm Rope Connector

- Consists of multi-stranded latex core and UV resistant sheath, for easy, quick assembly of electric gates
- Four stainless steel wires for maximum conductivity
- Wires cross over 10 times per centimetre for maximum shock exposure
- Heavy duty gate components included
- Standard length 3.5 – 7m



S790

Heavy Duty Compression Gate Break Handle

- Strong robust body
- Positive non-slip grip
- High tensile, heavy-duty spring compresses under tension, preventing over stretching
- Fully galvanized



S904

Value Reel and Stand

- The galvanized value reel holder can be attached to a stand
- Ideal for temporary and movable horse camps
- The reel holds 200m of 12mm/40mm tape or 500m of poliwire
- The reel has a ratchet for superior tension control



H111

Horse Post Insulator

Insulator designed to fit over all common steel Y-posts



UGS

Spring Gates

Available in Galvanized Steel or Powder-Coated white; used for 3,5m cattle and horse electric gates





S219

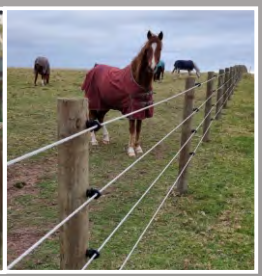
6mm and 8mm Polirope

(6mm/ 8mm wide/200m rolls)
Polirope is also suitable for second stranding a 40mm tape permanent fence for making electric gates.









EQUESTRIAN FENCE DESIGNS



How Far will an Energizer Power?

The energy output of the energizer is determined by its joule rating. The higher the joule rating the more powerful the energizer. Equestrian tapes are composed of braided plastic tape interwoven with stainless steel wires to produce a conductive ribbon tape. The thinness of stainless steel strands, plus the physical properties of stainless steel, result in the tape having a very high resistance. Equestrian fences are generally wired in parallel to reduce this fence line resistance. For this reason, we recommend choosing an energizer based on fence length rather than the amount of tape. Having a network of paddocks also helps reduce the fence load as the energizer now has multiple paths through which the energy can flow.

For more information on our Quality Equine Range visit our website for the full PRACTICAL GUIDE TO HORSES AND PONIES BROCHURE





Quality Portable Paddock Kit

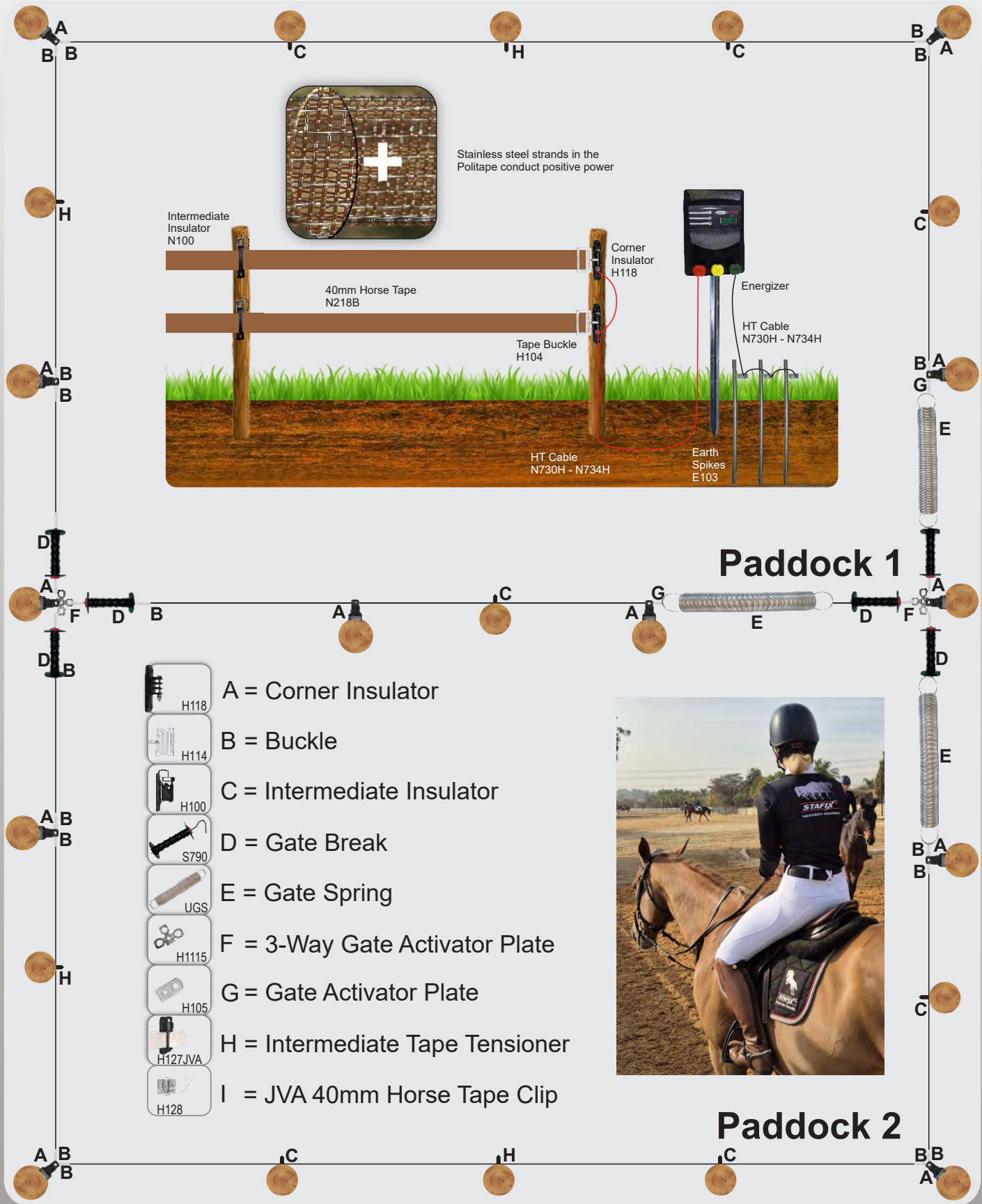
A robust easy-to-set up 6m x 6m Paddock. The Kit is ideal for hard or soft ground and consists of the following:

1 x Value Reel with 25m 40mm Horse Tape
1 x Reel Stand with Gate Activator
1 x Gate Handle and Buckle
3 x Corner Posts
4 x Robust Post Mounting Pegs
4 x 1.5m Pig Tail Tread-Ins
4 x Guy Ropes
4 x Tent Pegs
1 x Carry Bag.

Recommended Energizer SV2



PADDOCK SCHEMATIC



A = Corner Insulator

B = Buckle

C = Intermediate Insulator

D = Gate Break

E = Gate Spring

F = 3-Way Gate Activator Plate

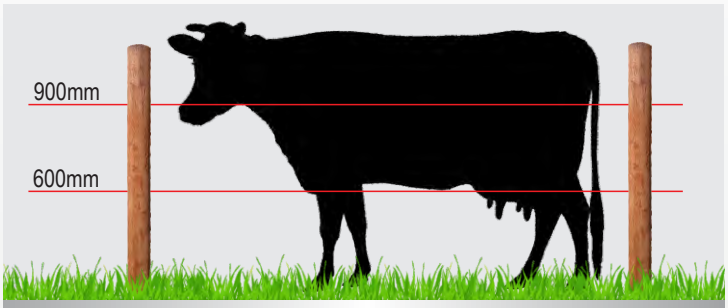
G = Gate Activator Plate

H = Intermediate Tape Tensioner

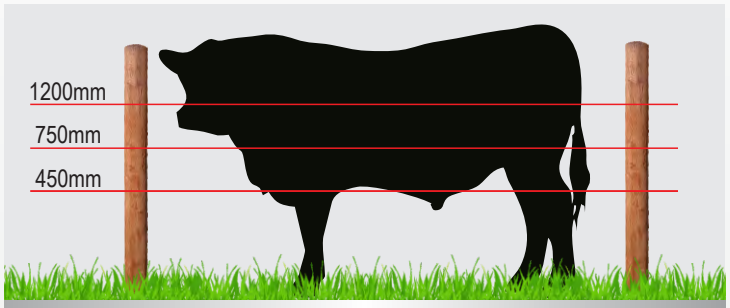
I = JVA 40mm Horse Tape Clip



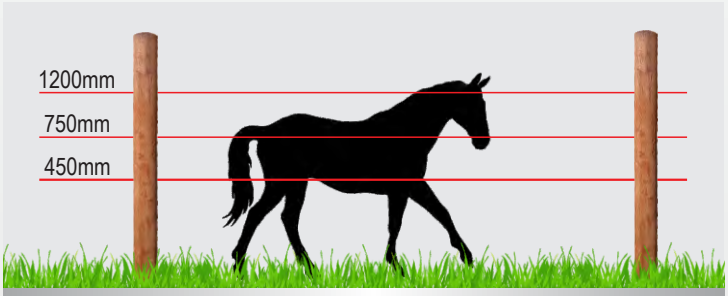
ELECTRIC FENCE HEIGHTS AND WIRE SPACING — AGRICULTURE



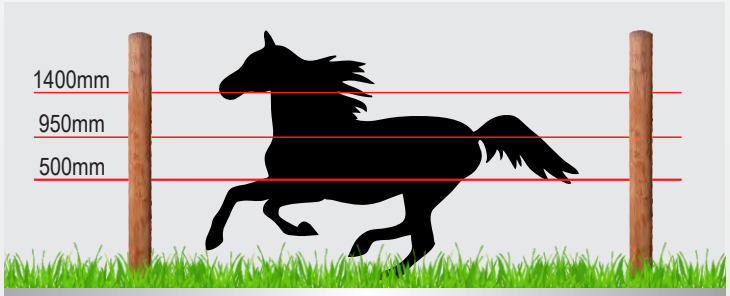
Dairy cows 1 to 2 wires



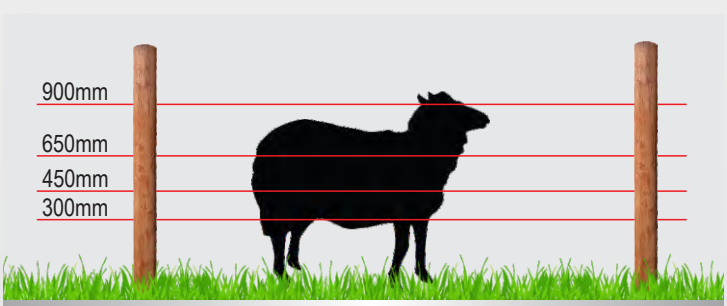
Cows 2 to 3 wires



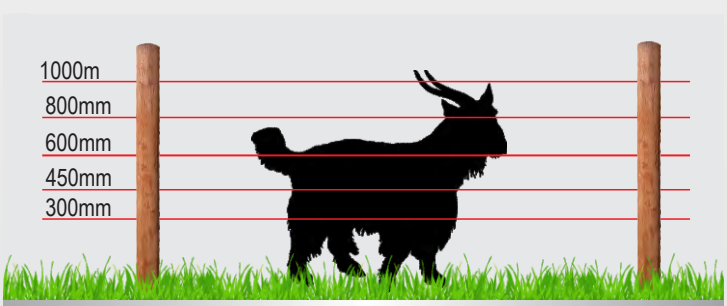
Small horses 2 to 3 wires



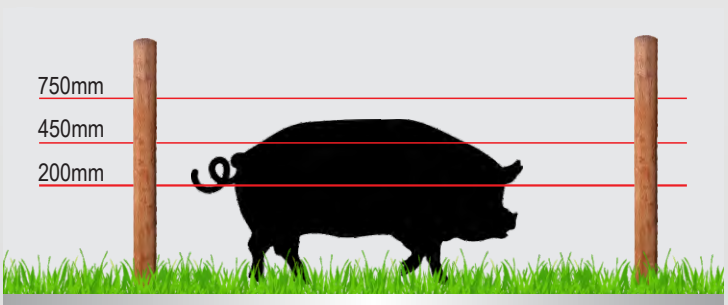
Large horses 2 to 3 wires



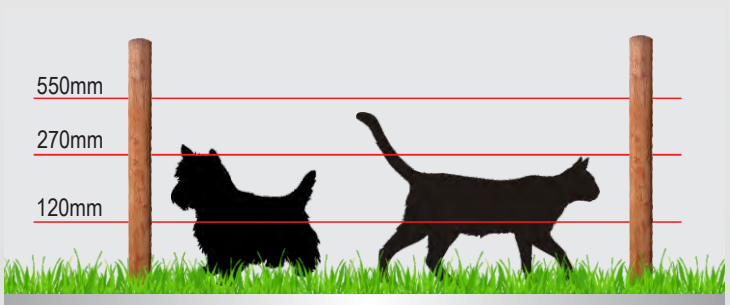
Sheep 2 to 4 wires



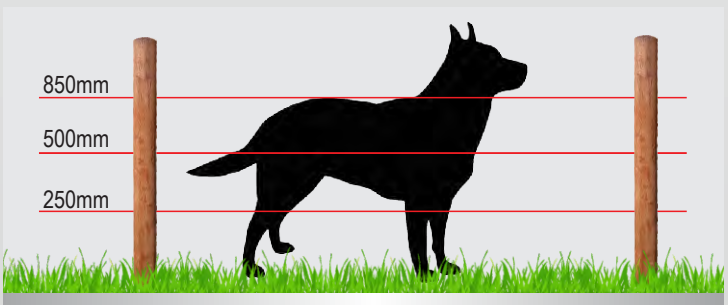
Goats 4 to 6 wires



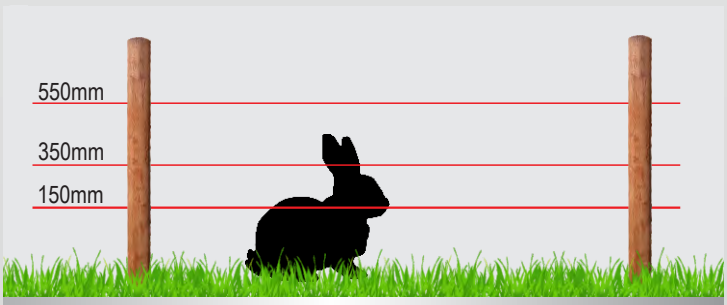
Pigs 2 to 3 wires



Small dogs and cats 3 to 6 wires



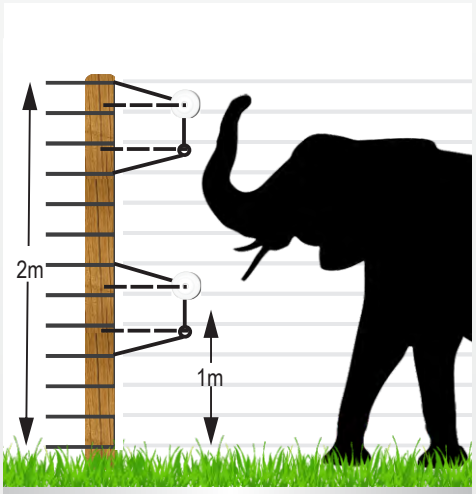
Large dogs 2 to 4 wires



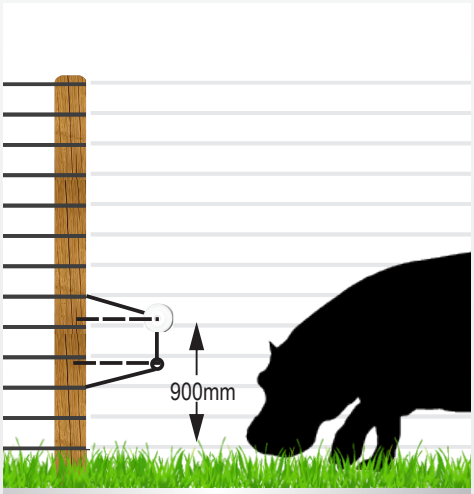
Rabbits 3 wires

Wildlife Fence Designs

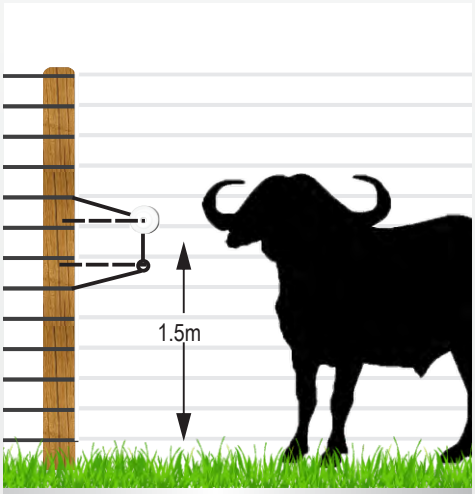
When designing an electric fence for wildlife control, consider what the fight or flight reaction of the animal one is controlling will be when it makes contact with an electric fence i.e. fight would require a sturdier fence. Also consider their natural response to fences in general, i.e. are they burrowers (porcupine, warthog, wild pig, etc.) blunderers (hippo, buffalo, etc.) jumpers (impala, kudu, eland, etc.) or climbers (monkeys, baboons, leopards, etc.) As a general rule of thumb, a live wire should be at nose or chest height to the animal you wish to control.



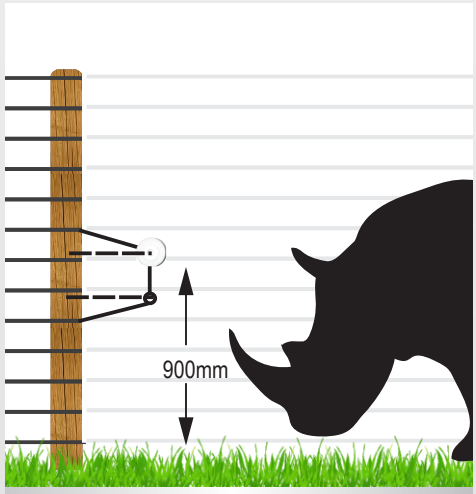
Elephant



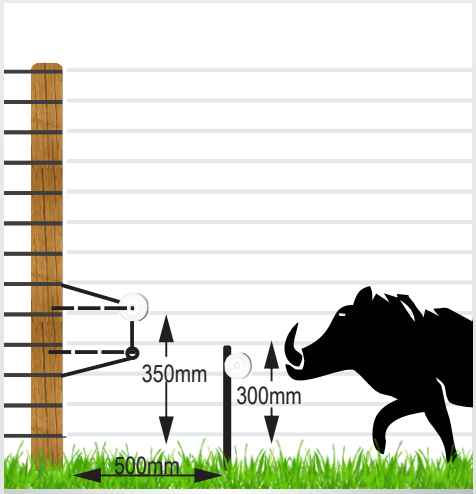
Hippo



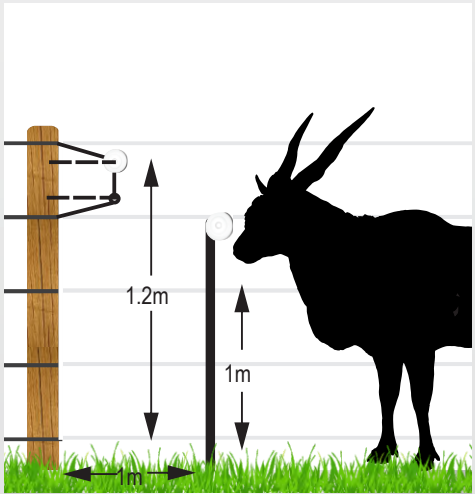
Buffalo



Rhino



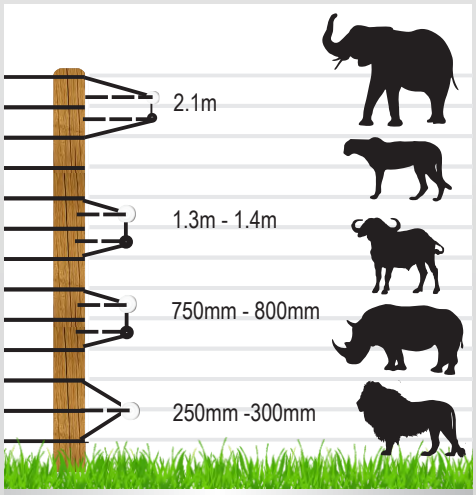
Warthog



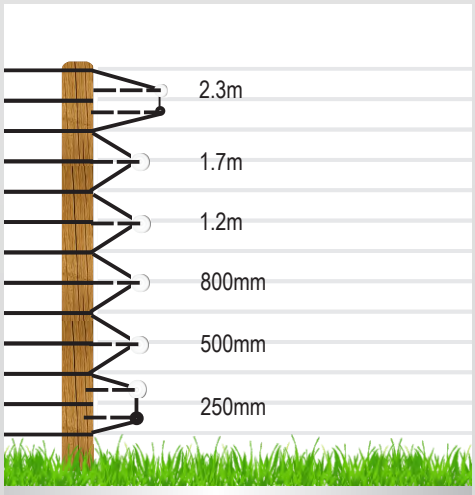
Eland
(When reinforcing a standard cattle fence)



Baboon

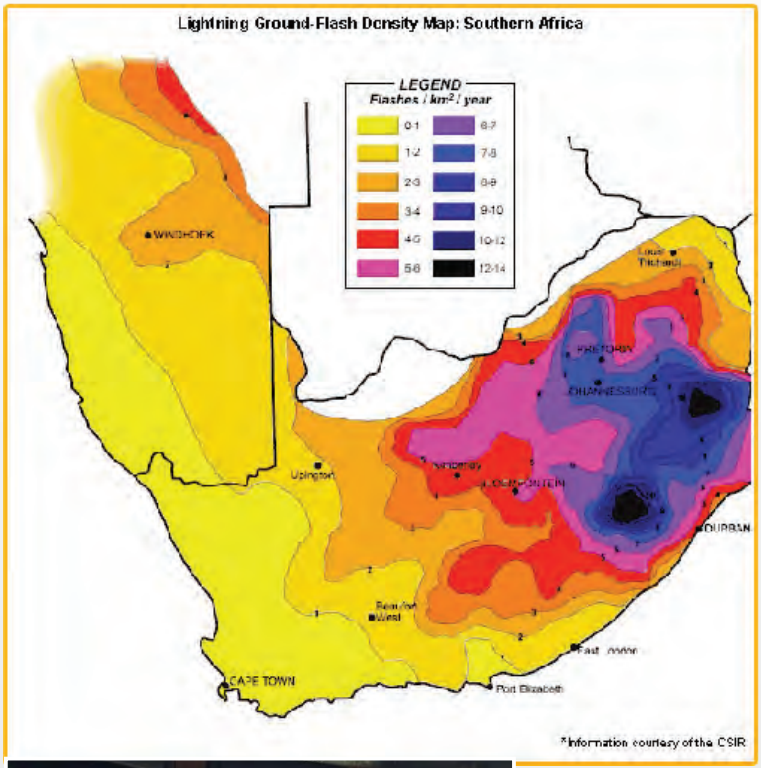


Big Five Game Fence



Boma

LIGHTNING AND SURGE PROTECTION



Lightning is the most powerful and most destructive 'natural enemy' of electric fences and while one can take precautions against it, no lightning protection kit will totally guarantee protection against a strike. It will however considerably help reduce the risk and damage to an energizer.

220V Under/Over Voltage Protection Plug

220V Mains Surge Switching Protection Plug. It completely protects electronic equipment by temporarily disconnecting the mains supply when over, or under voltage is detected.



C016

Electric Fence Protection Kit
(220V, HV Out and HV Return Protection)

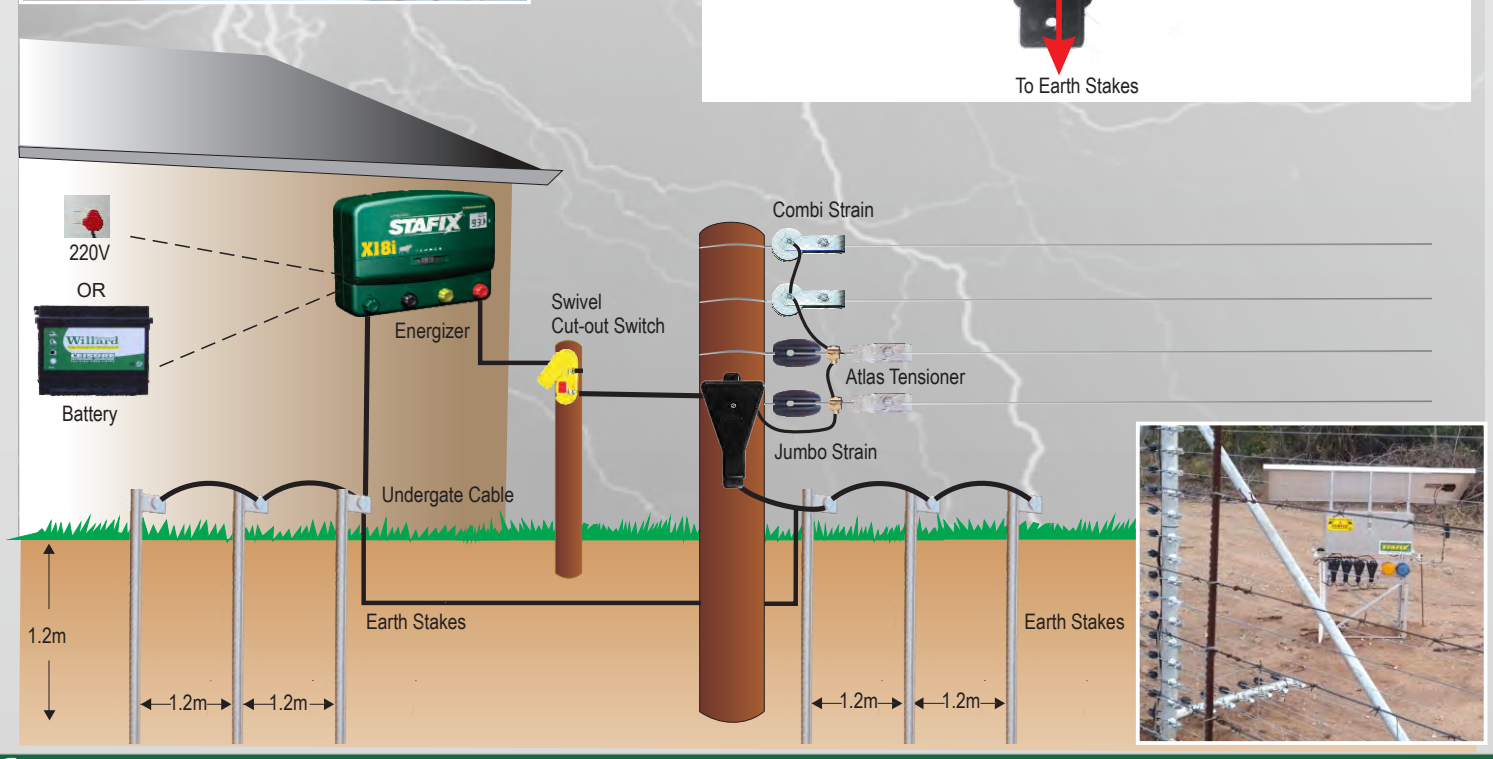
All-in-one HV and 220V surge protection system. The system will protect both the output and the return HV circuit on an electric fence.



C002
C020







JVA Fence Line Lightning Diverter

The unique, V-shaped, JVA Electric Fence Lightning Diverter is fully SANS 10222-3 compliant and is ideal for incorporation into lengthy agricultural and wildlife fences in areas where lightning is problematic.



Cover OFF



N720JVA

Cover ON

Features:

- Ideal for installations on long fence lines
- Adjustable choke and arc gap built into one diverter
- Large protected terminals
- Unique V-shape favours lightning's preference for shortest, straight line route to ground
- SANS 10222-3 Complaint (20KV Protection and terminal touch protected)
- Waterproof design for external installation.

JVA Dual Lightning Diverter

This lightning diverter that can handle both the Feed-Out and return circuits of a monitored electric security fence. Its Two-Stage protection can withstand a lightning surge of up to 2000 Amps, limiting the voltage return to the energizer to an acceptable 15kV. This Dual-Channel diverter is ideal for any JVA Security Energizer, especially on security fences in areas experiencing high lightning intensity.

Features:

- Feed and return wiring protection
- Affordable sacrificial security component
- Only one diverter required for most installations
- Provides a highly visible indication of a lightning surge
- Large sturdy terminals for solid undergate wiring
- Dust resistant design and cover for internal use only.



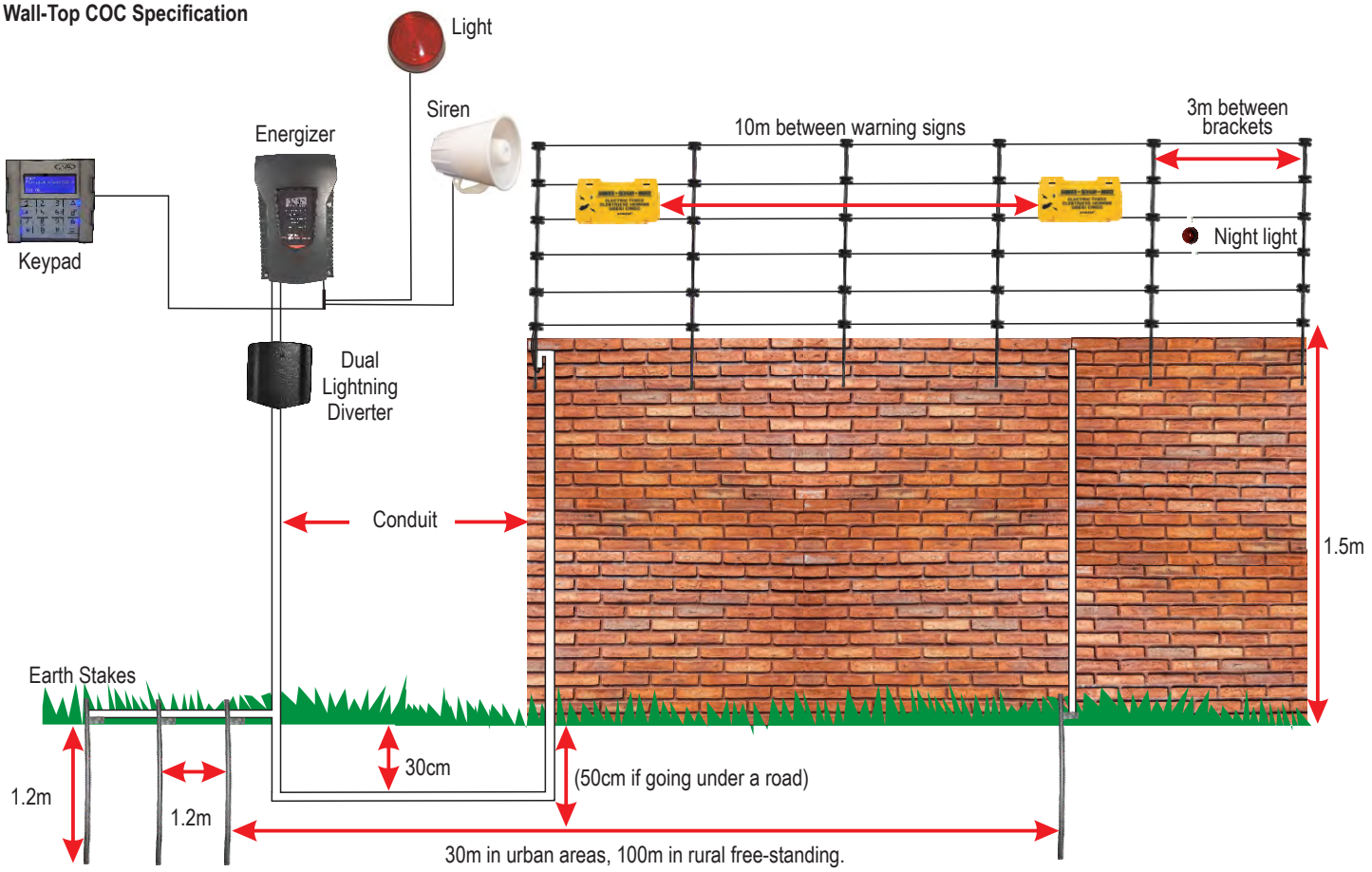
Cover OFF



JPTE0231

Cover ON

Wall-Top COC Specification



SOLAR ACCESSORIES

Solar Panels and Regulators

Stafix solar panels utilize premium polychrystalline cells secured in heavy-duty aluminum frames. Polychrystalline panels provide superior efficiency conversion of sunlight to electrical current, resulting in faster charging of batteries. A full range of solar panel sizes from 20 watt to 450 watt are available.



Minimum Requirement for Solar Recommendation		
Panel	Charge / Hour	Charge for 6 Hours
50 Watts	3.6	21.6 Amp
85 Watts	6.2	37.2 Amp
100 Watts	7.3	43.8 Amp
150 Watts	10.9	65.7 Amp
370 Watts	27	162.2 Amp
450 Watts	32.8	197.3 Amp

JVA 15Amp Regulator

Designed and tested for electric fence applications.

- Protected against electric fence surges on all inputs.
- Will operate with four common types of rechargeable batteries by switch selection, including Lithium
- Can be used for solar panels up to 180W
- It's electronic components are sealed against moisture and ants



JPTE3015

JVA 30Amp MPPT Regulator

- Extensive internal electronics in-circuit protection
- Reliable operating safety protection: overcharging or undercharging protection, short circuit protection, thermal protection
- Automatically detect 12V or 24V DC system voltages
- Large and informative display interface to show Solar parameter, battery charging parameter, battery type, battery temperature, custom presetting and fault codes, etc



JPTE3016

Enclosures



DMC430W



GSB300



GSB800

Code	Description
GSB300	300X400X200 with window
GSB600	600x400x250 no window
GSB800	800x600x300 no window
GSB1000	1000x750x300 no window
DMC430W	430x328x175 with window
DMC530NW	520x450x210 no window
DMC800NW	800x600x300 with mounting plate

**All steel boxes are manufactured from galvanized and then powder coated sheeting.*

Shock Boxes and Cabinets



N402

A Shock Box is a lockable steel cabinet containing the energizer system. When the energizer is activated via an insulated key switch, the whole box becomes part of the high voltage system, reducing the likelihood of tampering and theft. Shock boxes can be supplied in medium and large sizes and in pole-mount or stand-mount.





N403

SOLAR POWERED SYSTEMS

Solar powered energizers are ideal for remote areas without ESKOM power and where the regular servicing of the batteries are difficult. The solar panel draws energy from the sun and converts this energy into electricity which charges the battery. The energizer then draws its power from the battery. Because the solar panel draws its energy from the sun, it requires a regular amount of sunlight.

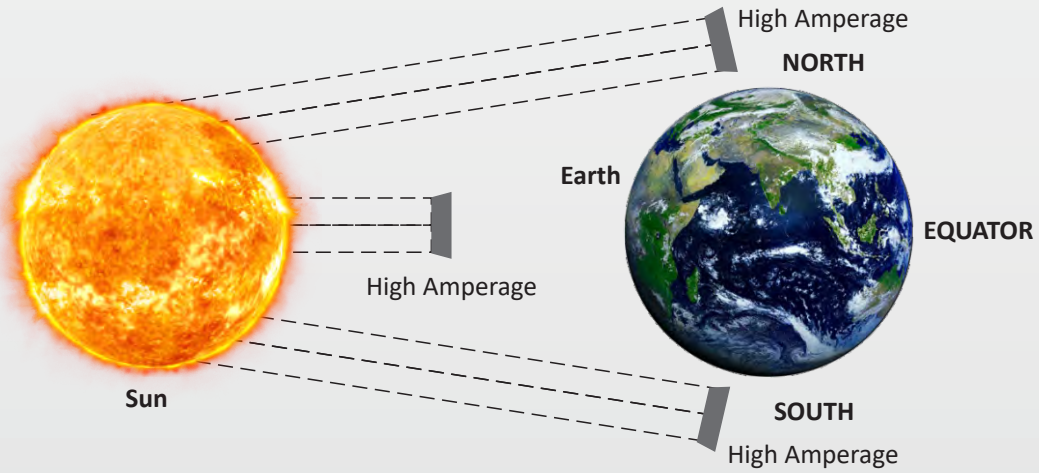


Location

Situate the solar system at the center of the fencing system away from any shade.
Face the panel towards the equator (true north). Angle the panel towards the equator at the angle of latitude + 30 degrees. Protect the panel and energizer from animal damage by erecting an electric fence around the system.



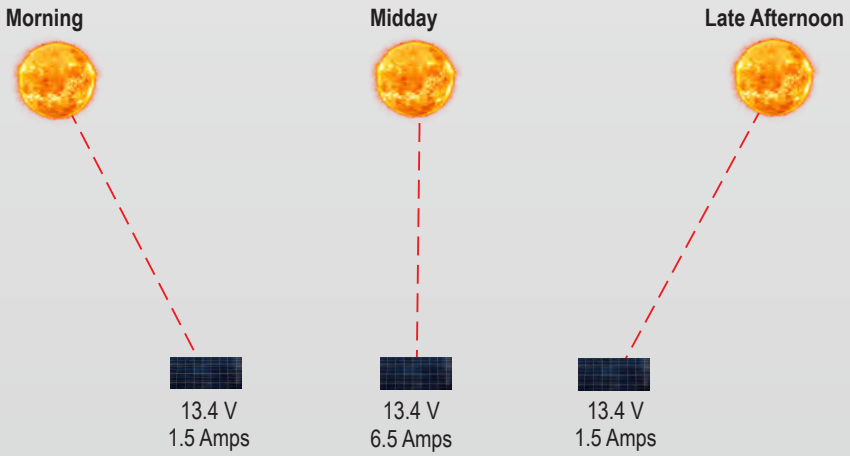
Solar Angle



Normally work on degree of latitude + 30 degrees.
By placing the panel at an angle the maximum sunlight is captured.



Daylight Hours



Average Daylight hours are calculated for different areas of the globe, enabling you to calculate the expected overall amperage a panel will generate during the day.
For South Africa, this is normally between 4 and 6.5 hours a day.



LITHIUM BATTERIES

NEW JVA Lithium Iron Phosphate (LiFePO4) Batteries

JVA is proud to introduce its new range of Lithium Iron Phosphate (LiFePO4) Batteries – at last a solution to short battery life problems, caused by load shedding and experienced by many users.



AA-BL8AH-HD

8AH-High Discharge
Gate Motors
150*65*95mm



AA-BL12AH-HD

12AH-High Discharge
Gate Motors
150*65*95mm



AA-BL8AH-SD

8AH-Steady Discharge
Alarms and Energizers
150*65*95mm



AA-BL12AH-SD

12AH-Steady Discharge
Alarms and Energizers
150*65*95mm



AA-BL20AH

12.8V 20AH
Solar Applications
181*77*170mm



AA-BL50AH

12.8V 50AH
Solar Applications
280*210*180mm



AA-BL100AH

12.8V 100AH
Solar Applications
280*210*180mm



AA-BL200AH

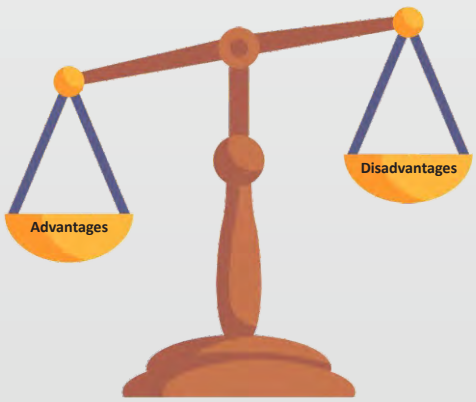
12.8V 200AH
Solar Applications
460*210*220mm

Advantages:

- Light weight
- Longer lasting
- Higher capacitance allows the battery to run to zero
- Up to 10 times more cycle time than lead acetate batteries
- Gives twice as much run time as regular batteries
- Gives up to 10 times the lifespan of acetate batteries
- Faster charging time
- At twice the price, you get four times the performance
- Wide operating temperature range – 0 up to + 60 Degrees C
- Steady output voltage
- Vibration and shock resistant
- No memory effect
- Pressure resistant
- Built-in battery management system (BMS) protection.

Disadvantages:

- Initially costs more
- Contents are toxic and require careful disposal
- Extreme temperature can lead to safety hazard
- Needs lithium compatible charger.



Having listed the advantages and disadvantages of the Lithium vs Lead Acetate Batteries, here provided for you, is an explanation of their modus operandi:

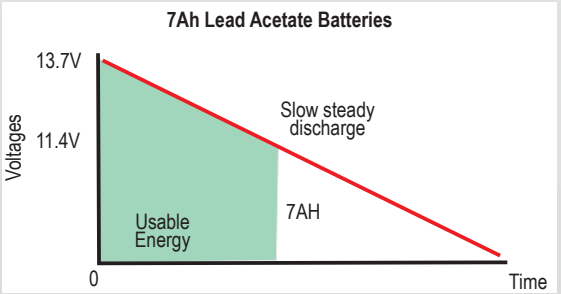


Fig 1. A lead acetate battery is a steady discharge battery. Starting at 13.7 volts on the graph, it discharges steadily until it reaches 8 to 6 volts, at which point it will stop discharging and whatever it is powering will cease to operate. However, at 11.4 volts, JVA Z-series energizers will stop performing and drawing power from these batteries, protecting the batteries from fully discharging and so increasing the battery life.



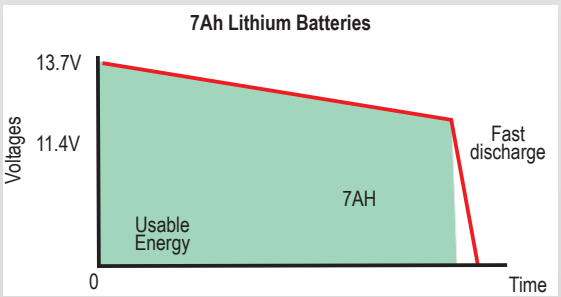


Fig 2. A lithium battery will maintain its voltage at a steady rate and then suddenly discharge to Zero. This causes problems when re-charging the batteries, as an ordinary charger will not detect any battery attached as it used a reference of +/- 6V to detect a battery present. It is therefore imperative that one uses a lithium compatible charger with a Lithium battery to wake up and charge the battery. At present, our new solar units have this facility and the Z-Series will soon also have this extra charging facility. A Lithium battery should not be used on current Z-Range models.

How to Connect a Lithium Battery to a JVA Energizer

The current Z-Range software does not allow direct connection to a lithium iron battery. An external power supply is needed to directly charge and manage the lithium battery.



Z-Range Energizer



Sherlo Lithium Charger

8AH- Steady discharge
12AH- Steady discharge

When wiring a system, and especially when using more than one battery, it's imperative that:

1) Batteries are wired in Parallel (maintains the 12V System)
2) The Charger or Regulator is connected to positives and negatives on the furthest opposite batteries
3) The Energizer or Inverter is connected to the alternate positive and negative on the furthest opposite batteries
4) In this way the system 'sees' the battery as one big battery and charges and draws from the batteries uniformly
5) Failure to wire as per, Fig 1 & 2, on page 30, will reduce charging and battery capacity and the lifespan of the system.

NB!

JVA Solar Range

Only the energizers with the new large LCDs, can take lithium batteries.



X Cannot use a Lithium Battery

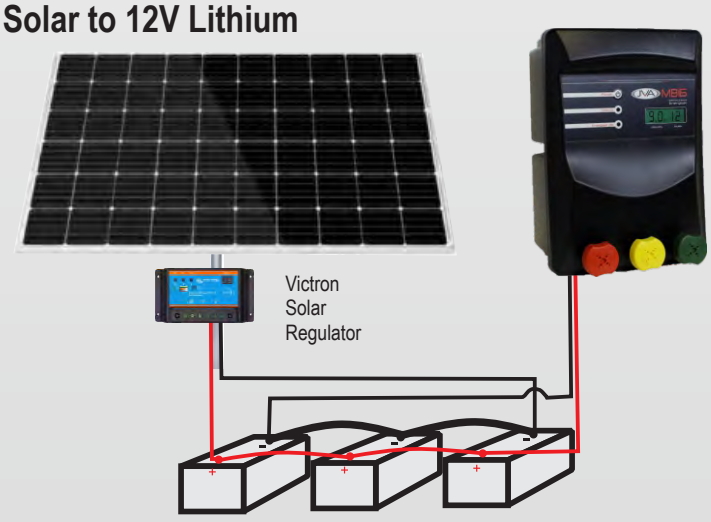
7AH Lead Acid Battery Only ✓



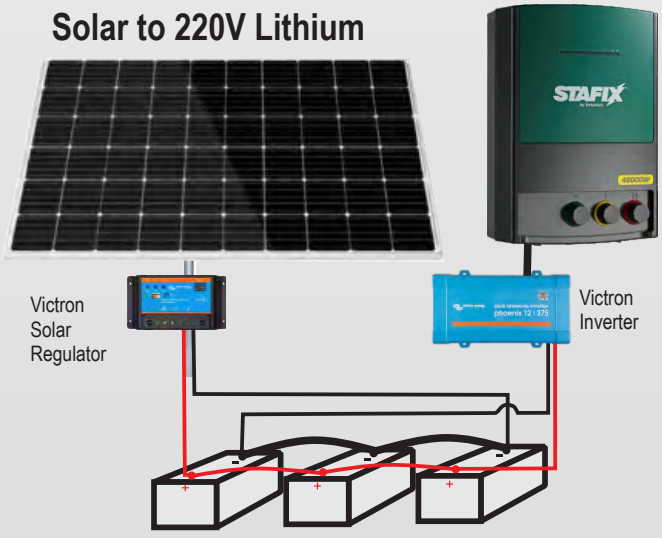
✓

8AH / 12AH- Steady discharge Lithium Battery

Solar to 12V Lithium



Solar to 220V Lithium



Features & Benefits:

- High Cycle Life: >2000 times @ 80%DOD for effectively lower cost of ownership;
- Built-in BMS Protection: Battery Management Systems are incorporated to protect batteries from over charging, over discharging, and short circuiting;
- Light Weight: Dry power lithium batteries have higher energy density, wh/kg also being up to 1/3 of SLA battery;
- Wide operating temperature range: suitable for users in a wider range of applications where ambient temperature is unusually high: up to +60°C;
- Steady output voltage; vibration and shock resistant; no memory effect; pressure resistant cell.

ELECTRIC FENCE TESTERS AND MONITORS

Stafix Remote Control Fence Compass

The Remote Control Fence Compass is a 3-in-1 tool designed specifically for rapid location of faults on an electric fence. In addition to its built-in volt and current meters, it also includes remote control technology for long distance energizer control.

- On/Off switch enables user to turn any Stafix Mains R-series energizer and Stafix Xi-range on or off from anywhere on the fence-line
- Large backlit LCD for use in all light conditions
- Display shows the current, voltage and current direction simultaneously
- Displays the previous current reading to compare values
- Audible current indicator
- Cordless design means no ground probe is required
- Replaceable 9V battery, giving up to two years of trouble-free use
- Low battery warning system



Stafix Fence Compass

The Fence Compass is a 3-in-1 tool designed specifically for the rapid location of faults on an electric fence.

- Built-in volt and current meters
- Easy to see in all light conditions, even in the dark
- Easy to see which way the current is flowing
- No need to change modes
- Indicates current readings without your needing to look at the screen
- Gives plenty of advance warning that the battery needs replacing
- Caters for even the biggest energizers
- Positive location gives more accurate and steady current readings
- Is made to withstand the agricultural environment
- Commonly available battery that is easily replaced by the user

JVA Digital Fault Finder and Remote Control

The JVA Digital Fault Finder and Remote Control allows simple and reliable electric fence probing and control. The Fence Line Communication Technology allows your fence to be armed and disarmed at any point along the fence. There is no need for Wi-Fi or Cellular Signal, just the press of a button on your paired remote.

- Simple pairing sequence for your MBXL or Jumbo Energizer
- Rugged plastic case for reliability
- Ergonomic design fits in your hand
- Replaceable standard 9v alkaline battery
- Proprietary Fence Line Communication (FLC) protocol
- Control your energizer through the fence line, no internet or mobile phone required
- Separate earth lead included
- Protective pouch included
- Each remote has a unique code for pairing to your energizer, maintaining high security
- Large bright backlit LCD screen



JPTE0343



JPTE0311

JVA Digital Voltmeter

- Essential for accurate testing of fence and energizer earth systems
- Readings from 100V to 10 000V
- Solid state circuitry designed for durability and rugged use
- Automatic on/off
- Replaceable 9V battery with a life of 12-18 months
- Large clip for attaching to the earth wire.

JVA Fault Finder

The JVA Fault Finder is a 3-in-1 tool designed specifically for the rapid location of faults on an electric fence-line.

- Waterproof and impact resistant case
- Simple to use, one-touch operation
- Clearly indicates the direction of the fault
- Leads you quickly to the fault on the fence
- Digital readings show the voltage and current
- No wires or clips means no tangles or shocks
- Uses a standard 9V battery
- Low battery indicator
- Backlit Screen

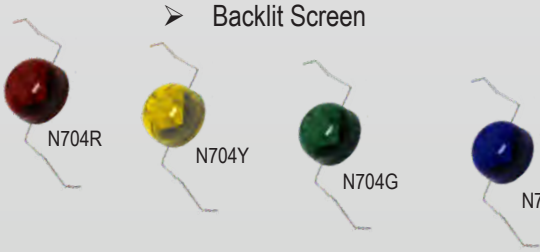


A301

Fence Flashing Lights

This simple flashing LED is inexpensive and connects to the fence between the live and earth wire.

- The LED will flash each time the energizer pulses
- The LED is clearly visible at night
- Continuous monitoring — no reset required
- Sealed weatherproof unit — no maintenance or batteries required



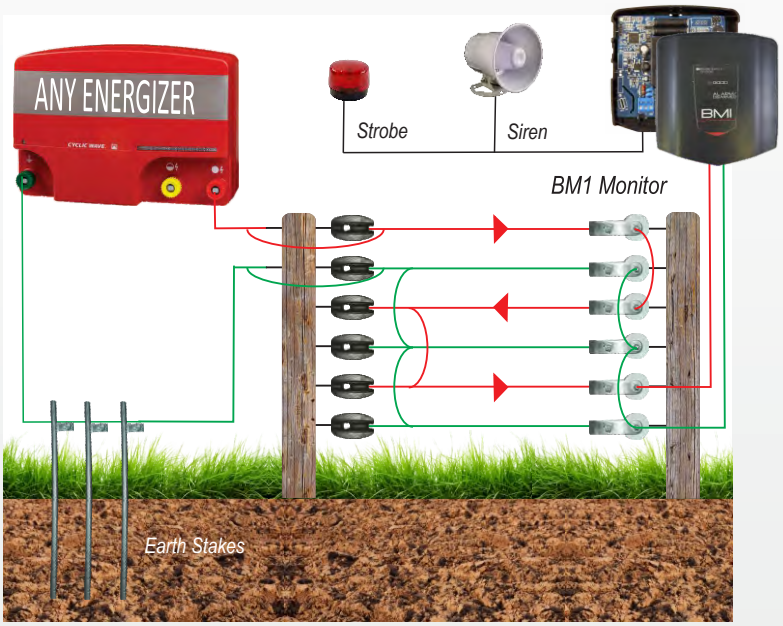
JVA BM1 High Voltage Fence Monitor



JVABM1

The BM1 (1 Zone) is a basic electric fence monitor. It provides an alarm when your electric fence is cut or shorted or the energizer has been turned off. When connected to the end of the fence (return wire) the BM1 can monitor one complete circuit (zone) of electric fence.

This monitor can be powered from a 12V power supply, or a 12V battery. If you need the monitor to operate during a power failure, consider using a 12V lead acid battery that is being kept charged from a battery charger or solar panel. The BM1 is intended for use with pulsed type electric fence energizers with output voltages of 10kV or less. The energizer should conform to IEC60335.2.76 or similar.



Series Wired Fence Line

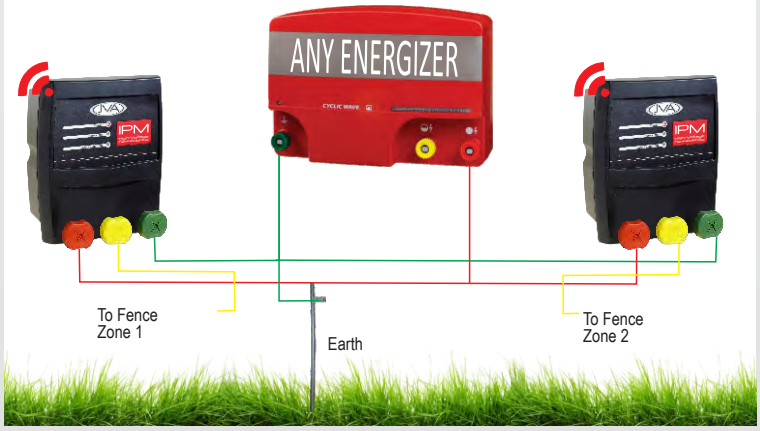
JVA High Voltage Fence Monitor and Switch

The JVA IP Monitor is an Internet-connected electric fence monitor and switch. Using the free IP Energizer Controller App, it allows you to instantly see the status of your configured electric fence from anywhere in the world, switch the fence on and off, and even alerts you should fence voltage or current go beyond configurable thresholds. It works with any energizer and has built-in Wi-Fi technology, making connection a breeze.

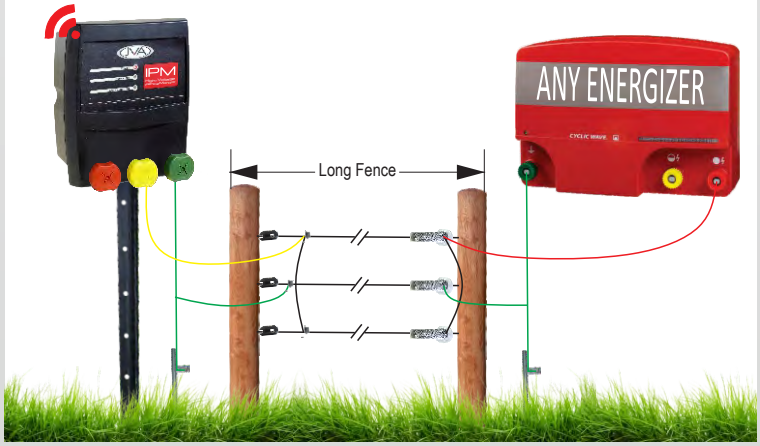


JPTE0256

Option 1: Monitor the start of the fence(s)



Option 2: Monitor the end of the fence(s)



Features:

- Mains or 12V Battery operation
- Built-in Wi-Fi for direct internet connection
- Can use 3G/4G cellular network with a separate modem/hotspot
- High power internal relay
- Works with any energizer up to 36 Joules
- Start-of-fence or end-of-fence monitoring
- Can break a large fence system into separately controlled and monitored zones
- UV stable enclosure
- O-ring sealed case for ant and moisture protection
- IP Energizer Controller App available for iPhone and Android.



FAULT FINDING CHECK LIST

Reduced Voltage

It is important that agricultural and wildlife electric fences operate at peak performance so that the animals do not loose respect for them. A voltage in excess of 3,000 volts is recommended for domesticated livestock and 6,000 volts for wildlife.

9.0 kV ✓✓✓✓

8.0 kV ✓✓✓

7.0 kV ✓✓

6.0 kV ✓

5.0 kV ?



4.0 kV ??

3.0 kV ???

2.0 kV ✗

1.0 kV ✗✗

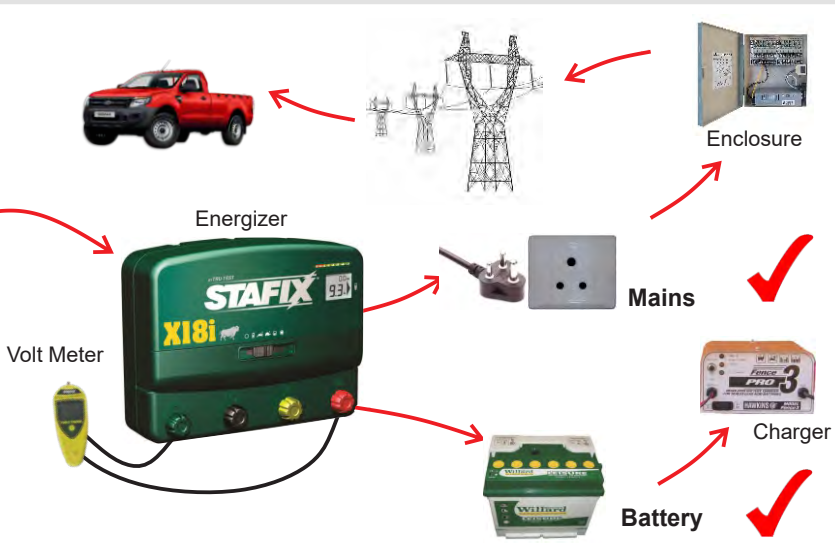
0.0 kV ✗✗✗

Reduced voltage on a fence line can be caused by a number of factors. To determine the cause take the following steps:

1. Disconnect the energizer from the fence and, using a Digital Volt Meter (DVM), take a reading across the terminals. If a low or zero voltage is recorded, the energizer is probably faulty.
2. However, before taking the energizer to your service agent to repair, make sure that the power supply to the unit is working. If it is a mains powered unit, check that the unit is plugged in and there is mains power available. If it is a battery unit, check the battery voltage (anything below 12 volts is flat) and that the float charger, solar panels and regulator are working.
3. If the energizer is working, reconnect it to the fence line and check your earthing system. Check that connections to the earth electrodes have not corroded and that the electrodes themselves are sound. (See earthing page 3.)
4. Check whether the lightning diverter has been damaged and is causing a short.
5. Disconnect the fence from the lead-out and check the voltage at the end of the lead-out to the fence line.
6. If all the above are operational, then using a DVM or Directional DVM, check the fence line faults. In the planning stage, cut-out switches should have been installed at strategic points thereby enabling one to cut off sections of fence line. If a section is switched off and the fence starts working again, the fault is along the cut off section.
7. Always check voltages on either side of a gateway to ensure that the underground cabling has not been damaged.
8. When walking the fence line looking for faults, look out for broken or twisted wires, heavy competition from vegetation, bad connections or corroded joints, cracked insulators, fallen branches or trees, stray wires on the ground making contact with the fence line or cut-out switches left open.



Repair Centre



FAULT FINDING CHECK LIST

Induction

Induction is the phenomenon whereby electricity is transferred from an electrified wire to a non-electrified wire or steel framework e.g. a gate, without their actually touching each other. To avoid shocks from this induced electricity, simply 'short out' the offending object by attaching additional earth electrodes to the item. Poor earthing during the construction stage of a fence line can also result in metalwork within buildings becoming live.

TV, Radio and Telephone Interference

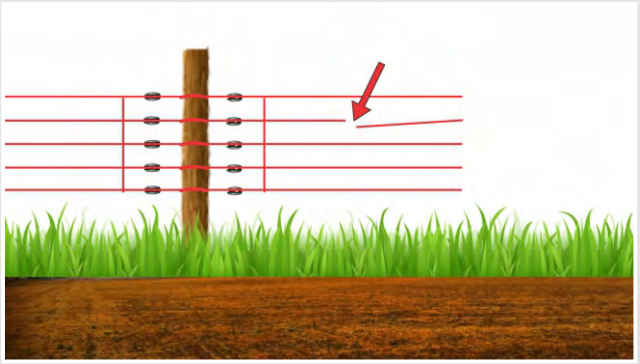
EMF Interference: Poorly constructed and inadequately earthed fences can cause TV, radio or telephone interference. Shorts on a fence line running parallel to telephone lines will cause clicking on the phone line. Also, poor pulse shapes emitted from non-compliant energizers will cause TV and radio interference. This is one of the reasons why it is important to use only energizers that have been tested and comply with IEC SANS 60335-2-76.

Fence Hygiene

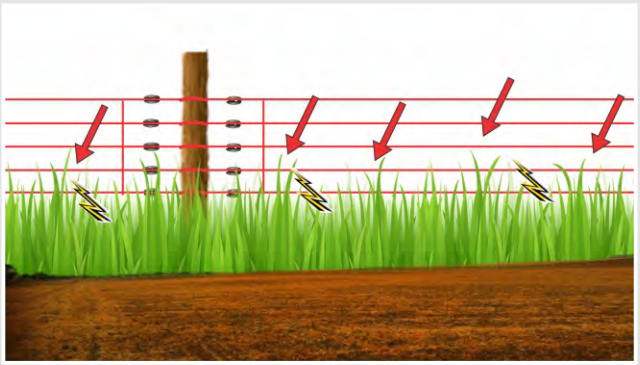
To ensure that the power for your electric fence system is where you want it, namely on your fence line, apply the following fence hygiene tips:

- Clean fence lines: Keep fence lines clear of vegetation; use a good weedicide where practicable; heavily overgrown fence lines will drain power from the fence line.
- Joins: Ensure annually that all joints are well clamped; check and tighten them during the heat of the day in mid-summer.
- Earthing: The importance of good earthing cannot be overstressed; check periodically that the stakes have not deteriorated and that the clamps, attaching the earth wire from the energizer to the earth stakes, are tight and in good condition.
- Good housekeeping: Keep the fence line clear of old wire, tin cans, corrugated iron, and barrels; animals may knock them onto the fence line and cause shorts; do not stack articles against an electric fence.
- Power on: Always leave the energizer switched on; where charging facilities are being used ensure that the power supply is always on and the batteries are not allowed to run down.
- Authorised operator: Personnel operating the system should be trained and should have a good understanding of the principles of electric fencing and fault finding.

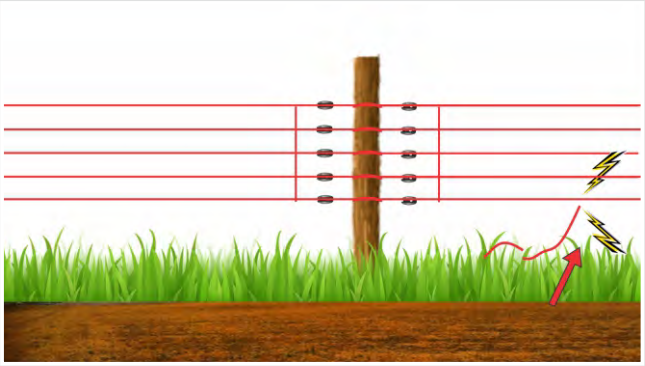
Common Faults



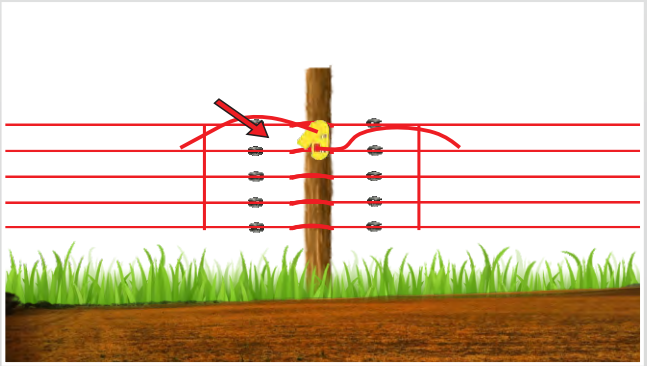
Broken or twisted wires



Very heavy competition from vegetation



Stray wire making contact with the fence or ground



Cut-out switch left open

JVA JUMBO ENERGIZERS

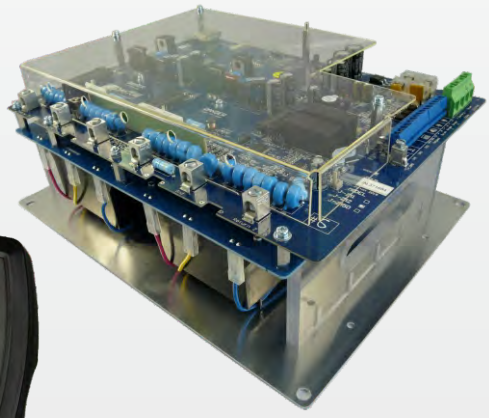


For more information
on our Jumbo Range
visit our website for the full
JVA JUMBO RANGE BROCHURE

The JMB series is the most powerful and feature-rich electric fence energizer JVA has manufactured to date. This continues JVA's push for technical superiority in the area of Monitored Electric Fencing and IP Energizers®. While the JMB energizers were specifically designed for game parks and exclusion fencing, they are also well suited to any large permanent electric fencing application. The JMB series generates up to a remarkable 46J of stored energy, currently the world's most powerful battery powered energizer.

A monitored electric fence reduces maintenance by reporting whenever there is a fault and by allowing you to check the fence from wherever you are using the Internet.

The JMB series introduces the JVA Virtual Keypad. This allows you to monitor, control and program the energizer from your Wi-Fi enabled smart device (cell phone, tablet or laptop). The JMBs can also be controlled and monitored with a wired JVA 4-Line Keypad supplied with the unit.



JVA Jumbo Energizer Features:

- Combined electric fence energizer and monitor
- Power or Loop Monitor depending on model
- Virtual Keypad via your Wi-Fi enabled device (phone, tablet or laptop)
- Distant Fault Detection (DFD™) technology
- High powered (up to 46J stored)
- JVA remote ready
- Mains or 12V battery powered (mains via separate 24V plug pack)
- Lightning protection on all fence connections
- No mains inverter required to run on solar and battery
- Power on demand, i.e. it generates the power only required for the fence conditions
- Able to be controlled and/or monitored through multiple options
- Built-in 1Amp backup battery charger
- 1 Siren and 2 Strobe 12V outputs for stand-alone security installations (switched 12V DC)
- On/Off switch
- Programmable relays.



Remote Ready

Virtual Keypad Programming via Smart Device when in proximity to the Jumbo



24/7 Fence Information available via GSM or Wi-Fi





JVA JUMBO ENERGIZER

JMB32 ZM50

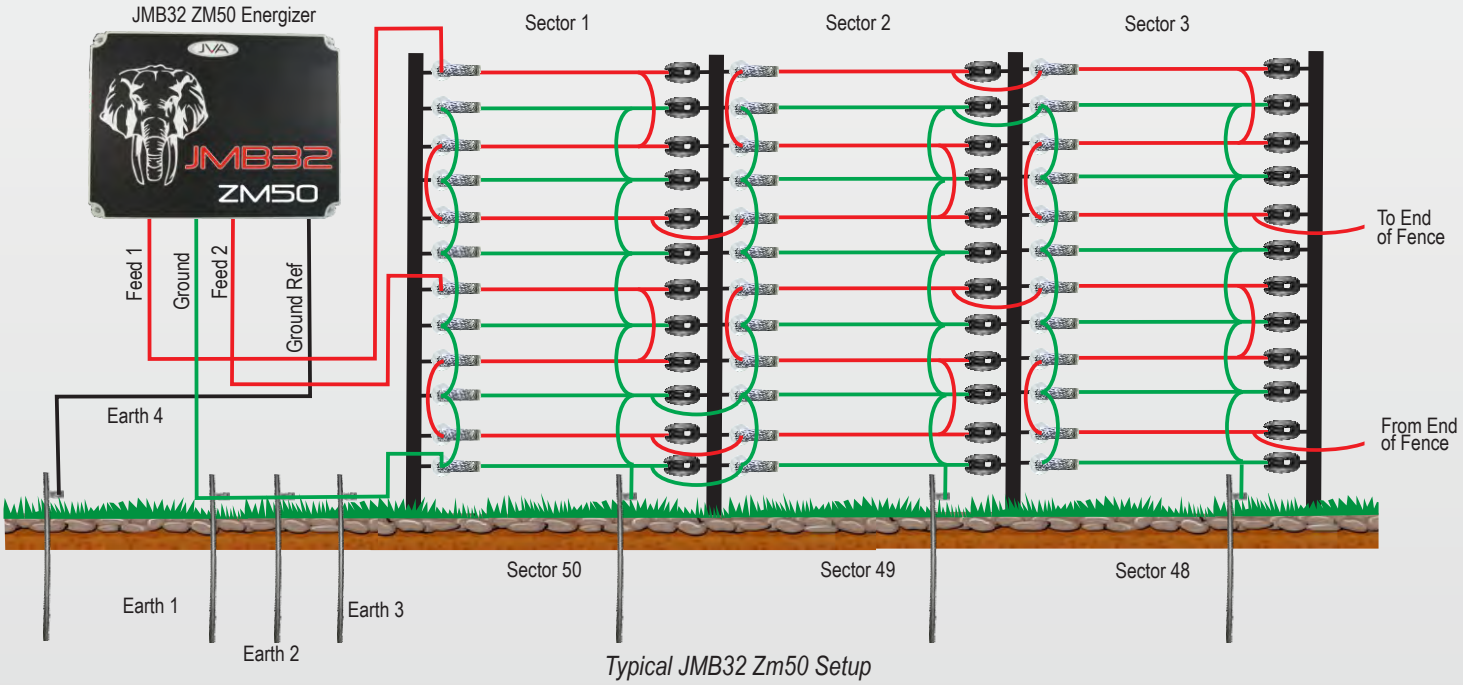
The JMB32 ZM50 contains our patented Loop Monitor with Distant Fault Detection (DFD™). The loop, or loops of live wires, may run down and back on the same fence or all the way around a property. While previous fence loop monitors suffered from a range limitation of approximately 10km of fence or 30km of wire, DFD™ has greatly increased this range.



Features:

- Can split a single fence in up to 50 sectors
- Can report the position of a fault as a percentage of overall fence length
- Short sectors can be defined accurately using JVA sector dividers
- ELV (Extra-low Voltage) open circuit detection.

Live: Series Wired – Ground: Parallel Wired



Typical JMB32 Zm50 Setup

JVA Jumbo Range Specifications

Model	Stored Energy	Output Energy	Zones	Sectors	Input Voltage	Power Peak
JPTE2401	46	32	1	0	12/24V	3.6A at 13.5V DC
JPTE2402	2x23	2x16	2	0	12/24V	3.6A at 13.5V DC
JPTE2400	46	32	1	Up to 50	12/24V	3.6A at 13.5V DC
JMB25ZM1	36	25	1	0	12/24V	2.8A at 13.5V DC
JMB25ZM2	2x18	2x12.5	2	0	12/24V	2.8A at 13.5V DC
JMB25ZM50	36	25	1	Up to 50	12/24V	2.8A at 13.5V DC
JMB16ZM2	23	2x8	2	0	12/24V	2.5A at 13.5V DC
JMB8ZM1	11.5	8	1	0	12/24V	1.8A at 13.5V DC
JMB10ZM2	14	2x5	2	0	12/24V	2.0A at 13.5V DC
JMB8ZM50	11.5	8	1	Up to 50	12/24V	1.8A at 13.5V DC

Solar Recommendation 32 Joule Units	Area Table 6 Hours Sun	350W	200Ah Battery
Solar Recommendation 25 Joule Units	Area Table 6 Hours Sun	300W	200Ah Battery
Solar Recommendation 8 Joule Units	Area Table 6 Hours Sun	150W	100Ah Battery

JMB32 ZM1 Jumbo Energizer

The JMB ZM1 contains circuitry that allows it to power and monitor a single, high power fence zone. The Power Monitor measures both the real and reactive components of the fence voltage and feed current. By doing so, it can detect a fault at distances beyond 10km from the energizer.

Features:

- Up to 46 joules (stored) for better performance on long fences
- Measures feed, return and the ground voltage
- Measures real and reactive feed currents to distinguish real faults from capacitive fence currents
- The JMB ZM1 contains our patented Power Monitor with Distant Fault Detection (DFD™)

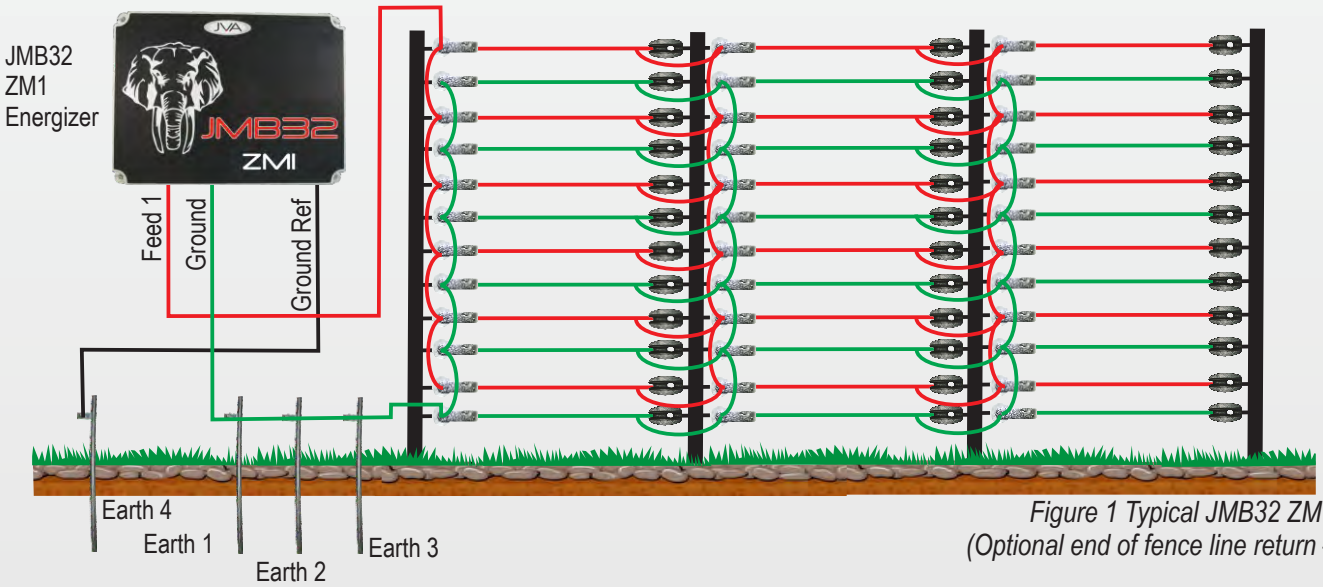


Figure 1 Typical JMB32 ZM1 DFD Setup
(Optional end of fence line return – not shown)

JMB ZM2 Jumbo Energizer

The JMB ZM2 contains circuitry that allows it to power two separate fences. Each fence has its own Power Monitor and optional fence return terminal for end of fence voltage monitoring.

Features:

- Two independent fence zones each with up to 23J (stored)
- Synchronized outputs can be bridged for 46J (stored) into one fence
- Measures both zones feed and return and the ground voltage
- Measures real and reactive feed currents to distinguish real faults from capacitive fence currents

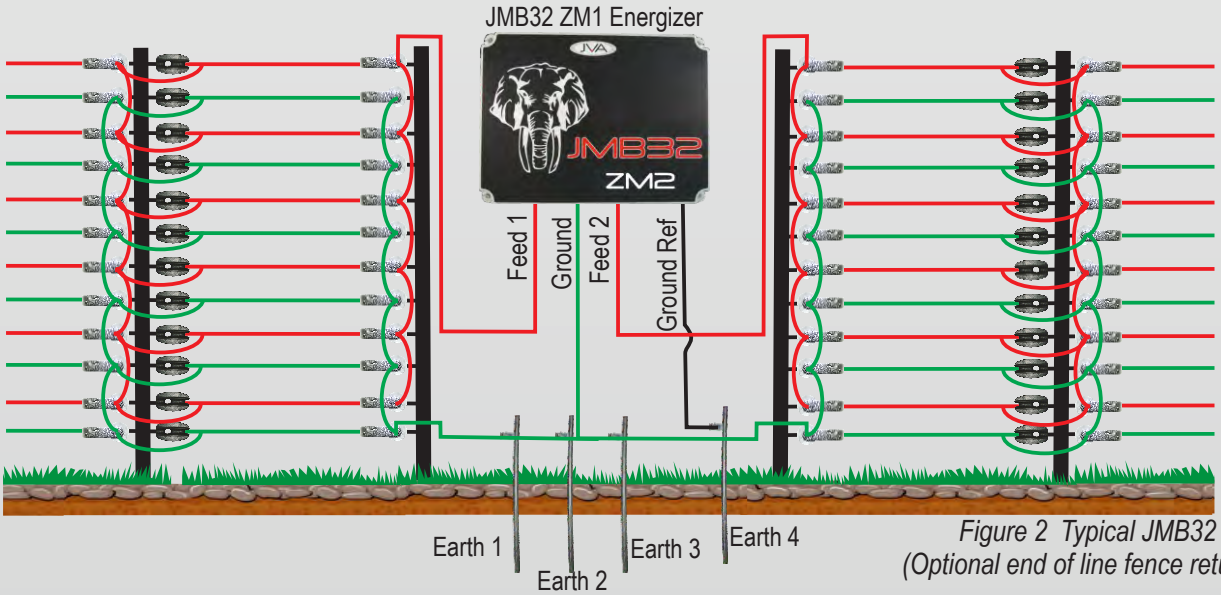


Figure 2 Typical JMB32 ZM2 DFD Setup
(Optional end of line fence return – not shown)

JVA SECURITY ENERGIZERS

QT13



QT Standard Features

- 3 Joule Security Energizer
- Gate & external receiver input
- Lithium Battery Compatible
- Siren & Strobe Outputs
- Powerful and Compact
- On-board Remote Receiver

QT Premium

- Upgrade via Wi-Fi Board
- Free App through Wi-Fi
- No subscription fees
- Virtual Keypad for programming
- 8-Zone RFI Alarm Panel
- On-board RFI



The QT 13 is a new, compact, ergonomically designed, single zone, 3 Joule energizer. The energizer through the addition of the optional plug in Wi-Fi module, gives you the full "Premium" upgrade features which include features such as JVA Virtual Keypad programming, Cloud Router Access (off site control and reporting) and the ability to add up to 8 Wireless devices such as Roboguards onto the energizer.

JVA Z15, Z18 and Z114 Security Energizers



The JVA Z-Range of One-Zone Security Energizers with LCD displays are top-of-the-range energizers meeting all requirements from the basic home security fence to fully integrated high profile installations. These energizers have LCD displays showing Feed and Return voltages, battery condition and fence programming settings.

The units are fully compatible with the Z-Range keypad and when wired up to a keypad, are fully programmable. The energizers can be networked with other Z-Range energizers to synchronize pulses and become a multi-zone group for larger sites where many zones are required. These energizers can be controlled via a PC or by up to 3 individual keypads, or 1 keypad controlling up to 14 Z-Range energizers.

Features:

- High-Voltage, Single-Zone Fence Monitor triggers alarm when live wires are tampered with
- Earth Wire Monitor triggers alarm when the earth wires are tampered with
- LCD Voltage Feed and Return Display
- Gate Monitor input to monitor the gate
- Dynamic Voltage Monitoring minimizing arcing and false alarms while maximizing power and battery life
- 5, 8 and 14 Joules maximum output energy respectively
- Compliant with IEC SANS 60335-2-76
- Built-in Lightning and Surge Protection
- Up to 24-Hour Monitoring in the event of a power failure
- High and low power options
- Energizer supplied with secure Key Switch Operation
- Diagnostic Mode
- 2 Standard Fully Programmable Relays plus option for 3 more on request
- Keypad Compatible – Use a Z-Range Keypad
- Programmable to Bi-polar or Standard
- Pulse Synchronization in group mode
- Anti-tamper option programmable on request
- Internal Battery Backup in case of power failure.



JVA Z25 and Z28 Security Energizer



The JVA Z25 and Z28 Dual-Zone Security Energizers with LCD displays are top-of-the-range high power energizers, ideal for installations where better zone identification is required. The Z25 and Z28 can meet all requirements from longer wall-top fences to industrial and high profile installations.

The energizer has an LCD display showing return voltages for each zone, battery condition and fence programming settings. The unit is fully compatible with the optional Z-Range Keypad and when wired up to a keypad is fully programmable. The energizer can be linked with other Z-Range Energizers to synchronize pulses and become a multi-zone group for larger multi-zone sites. The Z25 and Z28 can be controlled by a PC or up to 3 keypads, or 1 keypad can control up to 14 Z-Range Energizers.

JVA Z28 Energizer Features:

- High Voltage, Dual-Zone Fence Monitor triggers alarm when live wires are tampered with
- Earth Wire monitor triggers alarm when the earth wires are tampered with
- LCD Voltage Return Display for both zones
- Gate Monitor inputs to monitor the gates
- 2.5 - 5 Joules maximum output energy per zone
- Compliant with IEC60335-2-76
- Built-in Lightning and Surge Protection
- Internal Battery Backup in case of power failure
- High and low power options
- Dynamic Voltage Monitoring minimizing arcing and false alarms while maximizing power and battery life
- Energizer supplied with secure key switch operation
- Diagnostic Mode
- Optional extra Relay Board on request – total 4 relays
- Keypad Compatible – Add Z-Range Keypad
- Up to 18-Hour Monitoring in the event of a power failure
- Pulse Synchronization.

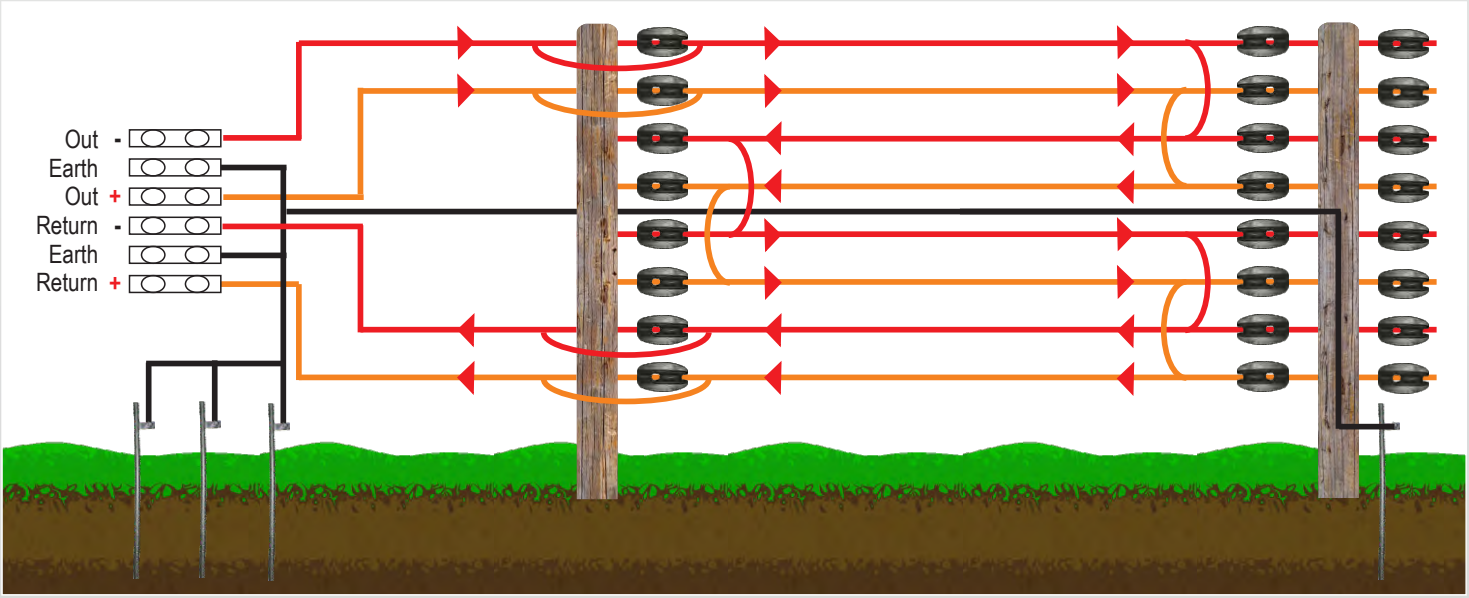
What is Bi-POLAR fencing?

The JVA Z15, Z18 and Z114 Energizers can be programmed to Bi-Polar mode. This gives rise to the question: What is Bi-Polar Fencing and what exactly are the benefits of this wiring configuration?

A Bi-Polar fence is an all-live wire fence. A Bi-Polar energizer has the ability to pulse synchronized positive and negative pulses down alternate wires of the same fence line. So, instead of having alternate live and earth wires on the same fence line, one now has one wire with a positive pulse and one wire with a negative pulse. This means that all the wires on the security fence are live with the exception of the open true-earth wire in the fence grid, should one be included.

A reading taken between the positive pulsing or negative pulsing live wires and the earth, will give half the voltage of a normal live/earth configuration. However, when one touches both the positive and negative pulsing wires, one will receive the 'full monty'.

The big plus factor of this configuration is that, by reducing the voltages to each wire, one helps eliminate the annoying and often difficult-to-eliminate arcing experienced in coastal or dusty areas.



JVA SPECIFICATIONS

SPECIFICATIONS	QT13	QT13P	Z15	Z18B	Z114	Z25	Z28
Stored energy	5J	5J	6J	12J	17J	2x4J	2x6J
Maximum Output energy	2.7J	2.7J	5J	8J	14J	2x2.5J	2x4J
Output voltage maximum	10kV	10kV	10kV	10kV	10kV	10kV	10kV
Output voltage LCD display			✓	✓	✓		
Return voltage LCD display			✓	✓	✓	✓	✓
Backup time maximum	24hrs	24hrs	18hrs	18hrs	16hrs	16hrs	14hrs
Ext 16VAC transformer			✓	✓	✓	✓	✓
Battery volts	12V	12V	12V	12V	12V	12V	12V
Battery capacity	2/3.5Ah	2/3.5Ah	7Ah	7Ah	9Ah	7Ah	7Ah
Pulse frequency	0.8hz	0.8hz	0.8hz	0.8hz	0.8hz	0.8hz	0.8hz
Pulse width	0.3ms	0.3ms	0.3ms	0.3ms	0.3ms	0.3ms	0.3ms
Alarm delay	*	*	*	*	*	*	*
Siren time out	*	*	*	*	*	*	*
Bi-Polar capability			✓	✓	✓		

* Programmable by keypad

RECOMMENDED SERIES WIRE LENGTH	QT13	QT13P	Z15	Z18B	Z114	Z25	Z28
1.2mm SS	0.8km	0.8km	1km	1.5km	2km	2x0.6km	2x1km
1.6mm SS	1.4km	1.4km	1.6km	2km	2.5km	2x1.2km	2x1.6km
2mm SS	2.1km	2.1km	2.4km	3.3km	3.6km	2x2km	2x2.4km
1.2mm braided galvanized	3km	3km	4km	8km	10km	2x2.5km	2x4km
2mm braided galvanized	3.5km	3.5km	5km	8km	10km	2x3km	2x5km
2.24 galvanized HSS	4km	4km	6km	10km	14km	2x3.5km	2x6km
1.6mm aluminium wire	8km	8km	10km	20km	25km	2x6km	2x10km

DIMENSIONS	QT13	QT13P	Z15	Z18B	Z114	Z25	Z28
Size (height, width, depth) mm	260x210x110	260x210x110	300x190x115	300x190x115	300x190x115	300x190x115	300x190x115
Weight (without battery)	1.4kg	1.4kg	2.1kg	2.4kg	3kg	2.2kg	2.4kg

POWER CONSUMPTION	QT13	QT13P	Z15	Z18B	Z114	Z25	Z28
Average current draw	500mA	500mA	550mA	1000mA	1200mA	900mA	1000mA
Peak current draw	600mA	600mA	750mA	1200mA	1400mA	1100mA	1200mA

Note: *All energizers in the Z-Range can be used in a Multi-Zone Network.*

JVA SPECIFICATIONS

SOLAR PANEL SPEC	QT13	QT13P	Z15	Z18B	Z114	Z25	Z28
Recommended battery	30Ah	50Ah	50Ah	105Ah	105Ah	105Ah	105Ah
Solar panel	40w	60w	75w	100w	120w	100w	120w
Solar regulator			10A	10A	20A	10A	10A

Solar panel calculations based on an installation in Johannesburg, South Africa.
Location-specific recommendations available on request.

WARRANTY	QT13	QT13P	Z15	Z18B	Z114	Z25	Z28
2-year warranty	✓	✓	✓	✓	✓	✓	✓

CERTIFICATION	QT13	QT13P	Z15	Z18B	Z114	Z25	Z28
Compliant (IEC60335-2-76)	✓	✓	✓	✓	✓	✓	✓

FEATURES	QT13	QT13P	Z15	Z18B	Z114	Z25	Z28
Fence monitor	✓	✓	✓	✓	✓	✓	✓
Gate (aux.) monitor	✓	✓	✓	✓	✓	✓	✓
Low voltage monitor	✓	✓	✓	✓	✓	✓	✓
Siren driver	✓	✓	✓	✓	✓	✓	✓
Strobe driver	✓	✓	✓	✓	✓	✓	✓
Armed response	✓	✓	✓	✓	✓	✓	✓
On/Off reset key	✓	✓	✓	✓	✓	✓	✓
Remote control option	✓	✓	✓	✓	✓	✓	✓
Battery backup	✓	✓	✓	✓	✓	✓	✓
Keypad LCD optional			✓	✓	✓	✓	✓
Multi-Keypad compatible			✓	✓	✓	✓	✓
Keypad voltage display			✓	✓	✓	✓	✓
Keypad tamper alert			✓	✓	✓	✓	✓
Microprocessor	✓	✓	✓	✓	✓	✓	✓
Programmable	✓	✓	✓	✓	✓	✓	✓
Earth monitoring			✓	✓	✓	✓	✓
Security	✓	✓	✓	✓	✓	✓	✓
Software controllable	✓	✓	✓	✓	✓	✓	✓
Solar power option	✓	✓	✓	✓	✓	✓	✓
Number of zones	1	1	1	1	1	2	2
Multi-zone pulse sync			✓	✓	✓	✓	✓

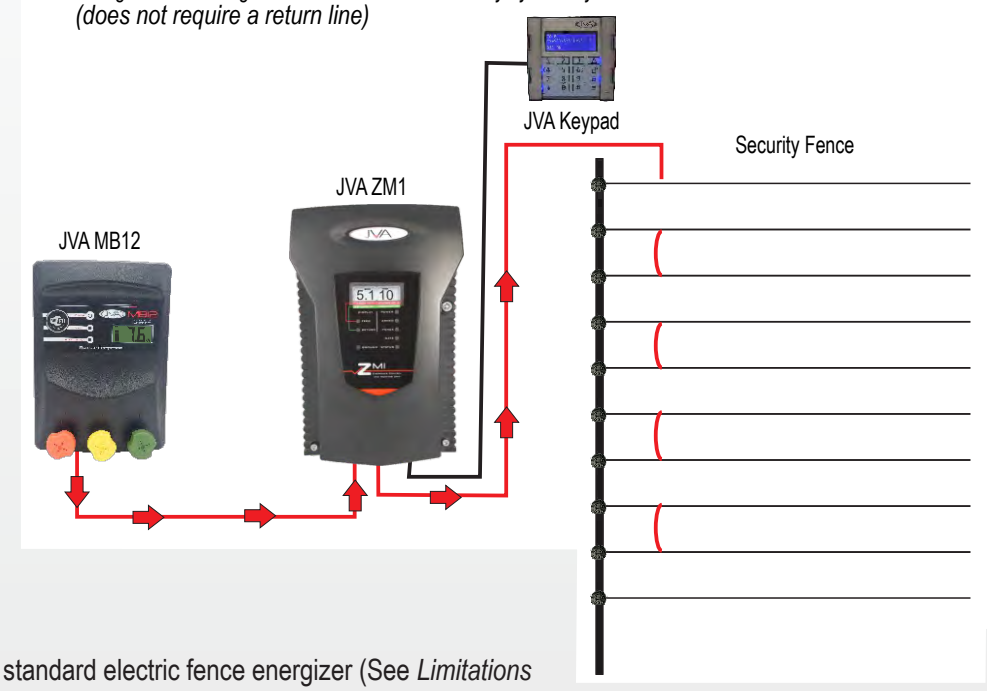
Note: *The QT13P can work with a Virtual keypad via Smart device.*

JVA ZM1 FENCE MONITORING SYSTEM



JVAZM1

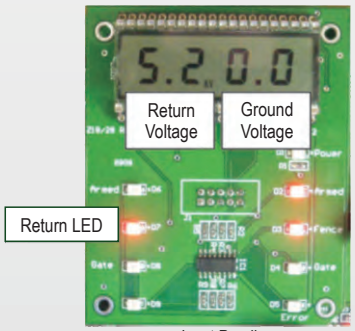
An agricultural energizer transformed into a security system by addition of a JVA ZM1 Monitor (does not require a return line)



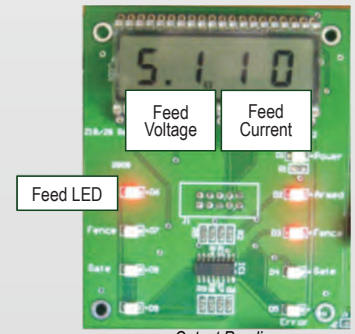
The ZM1 is designed to be coupled with any standard electric fence energizer (See *Limitations* below.), to power and monitor an electric fence. It can monitor large energizers, making it ideal on large agricultural, game and border security fences. The combination of the ZM1 and the energizer operates in the same way as a single JVA Z-Range security energizer, with the exception that the pulse power level of the energizer cannot be modified.

The ZM1 monitors the live feed line from the energizer to the fence. It determines if the fence is working properly by measuring the voltage and current, and thereby the power flowing to the fence. As such, it does not require a return line from the end of the fence. This can represent a large saving on installation costs on new fences or make monitoring an existing fence possible if no return line was originally wired.

The ZM1 can, however, also monitor the return if that is desired. The ZM1 has many programmable options which can be adjusted using a JVA Z-Range keypad. By correctly setting the alarm threshold levels, it is possible to determine if a fence has been cut or shorted at any point.



Input Readings



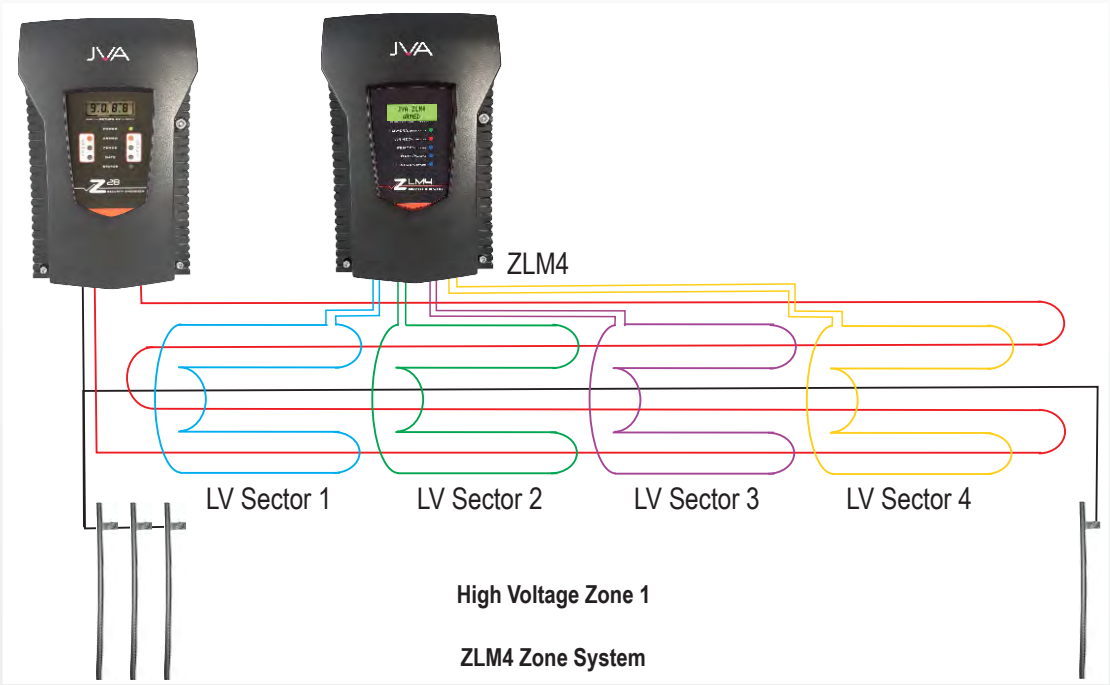
Output Readings

Features:

- Built into the wall-mountable Z-Range energizer enclosure
- Does not require a return line
- LCD current display (load)
- LCD earth voltage display
- LCD voltage display for out and return voltage
- Controllable and programmable via keypad with similar codes to the Z-Range
- Monitors fence voltage and current to trigger an alarm if current rises or voltage falls (load increases)
- Can be combined with any energizer, to produce a full-featured, security electric fence energizer/monitor
- Start and end of fence monitoring
- Able to be monitored via PC (using Z Control or Perimeter Patrol software)
- Run from 16Vac or 12V DC external source
- Built-in Battery Charger plus connection for alternate larger external battery and charger
- Controls 12V DC feed to energizer
- Can control a 220Vac energizer via external relay (not supplied), (12V coil, 240Vac rated contacts)
- Remote On/Off or Key Switch
- Gate contact input
- Siren and Strobe switched 12V DC outputs
- 3 On-board Relays with many programmable functions.



JVA ZLM4 LOW VOLTAGE MONITORING SYSTEM





For more information
on our Security Range
visit our website for the full
ENERGIZERS & ACCESSORIES
SECURITY FENCING CATALOGUE

The ZLM4 is a 4-Zone, low voltage, electric fence monitor. The ZLM4 may be used by itself or in conjunction with a number of high voltage security electric fence energizers. The ZLM4 monitors up to 4 loops of fence wire, each up to several hundred meters long, to detect someone tampering with the fence by cutting or shorting the wires.

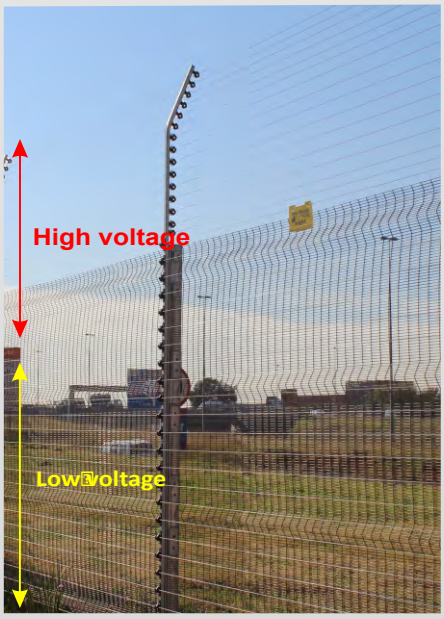
When used in conjunction with a high voltage electric fence energizer, the ZLM4 is wired to the non-energized earth wires on the fence. In this way, the ZML4 can be used to split one high voltage zone into up to 4 low voltage monitored zones for improved targeting of the response to potential security breaches.

The ZLM4 is compatible with the JVA Z-Range energizers. It may be connected via a keypad bus network with other Z-Range devices to enable the whole group to be controlled via one keypad, or linked to a PC running JVA Perimeter Patrol software. The ZLM4 monitors a low voltage loop using intrinsically safe, isolated ELV DC. It employs a continuity check for detecting open circuits; DC voltage level sensing, to detect a short to ground; and pulse voltage sensing, to detect a short to a line powered by a high voltage fence energizer. The advanced features of this device allow the performance to be tuned to the fence and to the particular requirements of the site.

This is done by adjusting the device's programmable options. The ZLM4 will report an alarm on: detecting a low voltage loop cut (open circuit); shorted to ground (short); when high voltage from an electric fence energizer wire is shorted to the monitored low voltage loop; or when two low voltage loops short to one another (cross couple).

Features:

- Can be used to split a single security electric fence zone into up to 4 low voltage sectors
- Can detect a short, cut, or if the monitored wire is touching a high voltage wire
- Optional LCD display — displays which zone is in alarm and other information
- Controlled and programmed via a JVA Keypad with similar codes to the JVA Z-Range
- Able to be integrated into third party access control and security information management systems at a variety of levels
- Enables the construction of systems from economical key switch operation to complex PC controlled applications
- Runs from 16Vac or 12V DC external source
- Built-in Battery Charger for optional 7Ah back up battery
- Siren and Strobe switched 12V DC outputs for stand-alone operation
- 2 Control Inputs and 4 Relays with many programmable functions for low level integration with other systems
- Fence connections are fully isolated from power and IO as per relevant cause of IEC SANS 60335.2.76.



ZLM4 Used to Make Fence
IEC 60335 / SANS 10222-3 Compliant

JVA VM2 VIBRATION DETECTION MONITOR



JPAE342

The JVA VM2 is a Perimeter Intrusion Detection System utilizing Microphonic Cable.

The VM2 (PTE0342) is designed to monitor 1 or 2 zones of Microphonic (acoustic) cable and detect attempted breaches of perimeters, by detecting the noise and vibrations created by unauthorized access or vandalism. The monitoring cables may be buried to detect digging or attached to a fence or placed inside a wall, roof or floor, etc. to detect illegal activity.

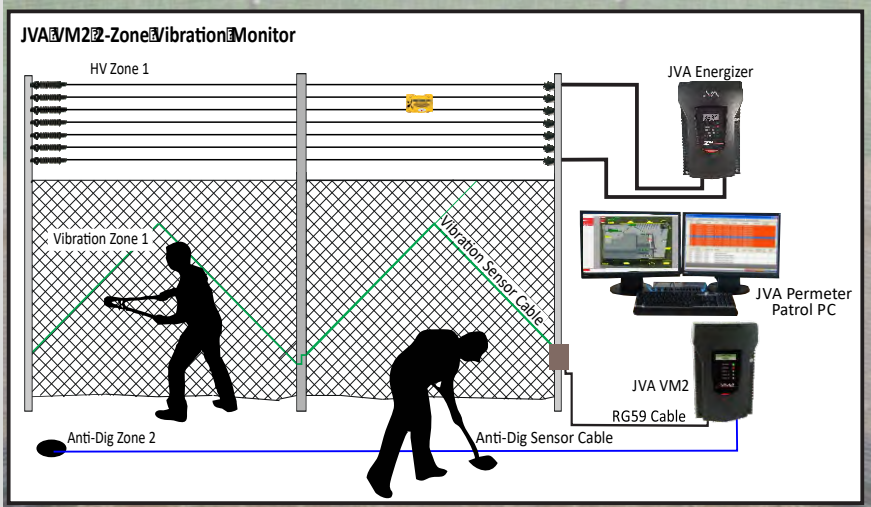
The VM2, coupled with correctly installed cable, creates a fully monitored and zoned intrusion detection system.

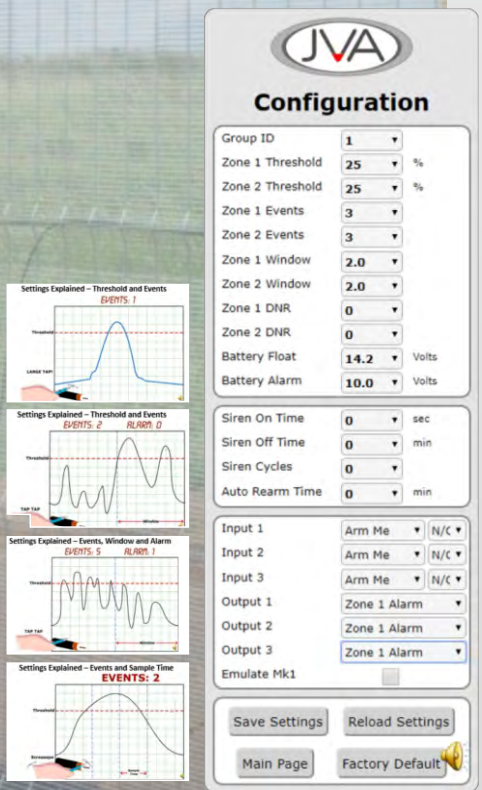
The VM2 has adjustable threshold and time parameters that allow the installer to tune the system to differentiate between an intrusion attempt and normal environmental sound vibrations.

The VM2 complements the JVA Range of security electric fence energizers and monitors.

Features

- Competitively priced solution
- Compatible with security electric fencing (Can be used adjacent to or on the same fence.)
- Operates with:
  - Z-Range Keypads
  - Perimeter Patrol
  - Cloud Router ®
- Detects cut or shorted cables
- Buried cable sensor system is able to monitor 2 runs of up to 300m of active cable
- Detects digging with any common tool, spade, pick, crowbar, etc.
- Able to be attached (cable tied) to palisade or mesh fencing
- Detects cutting by a power tool
- Detects hammering or crowbars separating bars
- Simple setup of sensitivity levels (threshold, event limit and window)
- Independent settings for each zone
- Can be retro fitted
- On board Wi-Fi
- Virtual Keypad™ for programming
- Cloud Router® Gateway
- LCD display
- Z-Series Keypad Bus Mk2
- IO (inputs and relays)
- Arm 1, 2
- 3 Switched 12V outputs
- 3 Form C dry contact or 12V switched relays
- Battery charger for stand-alone operation
- 12 or 24V DC operation, low power requirements
- Self-diagnostics with on-board LEDs for:
  - Wi-Fi status
  - PCB error
  - Cut or shorted cable
  - Events
  - All power fails
  - Battery power
  - Supply power
  - Relay functions





JVA ZM20 & ZM50 SECTOR FENCE MONITORING SYSTEMS



JVAZM20

JVAZM50

JVA ZM20 & ZM50 Monitors

The JVA ZM20 and ZM50 are advanced security electric fence multi-sector monitoring systems, enabling the partitioning of an electric security fence into 20 or 50 programmable sectors. This ensures accuracy in detecting the locality of a fault on the fence line which in turn allows for quicker targeted responses and/or better camera positioning.

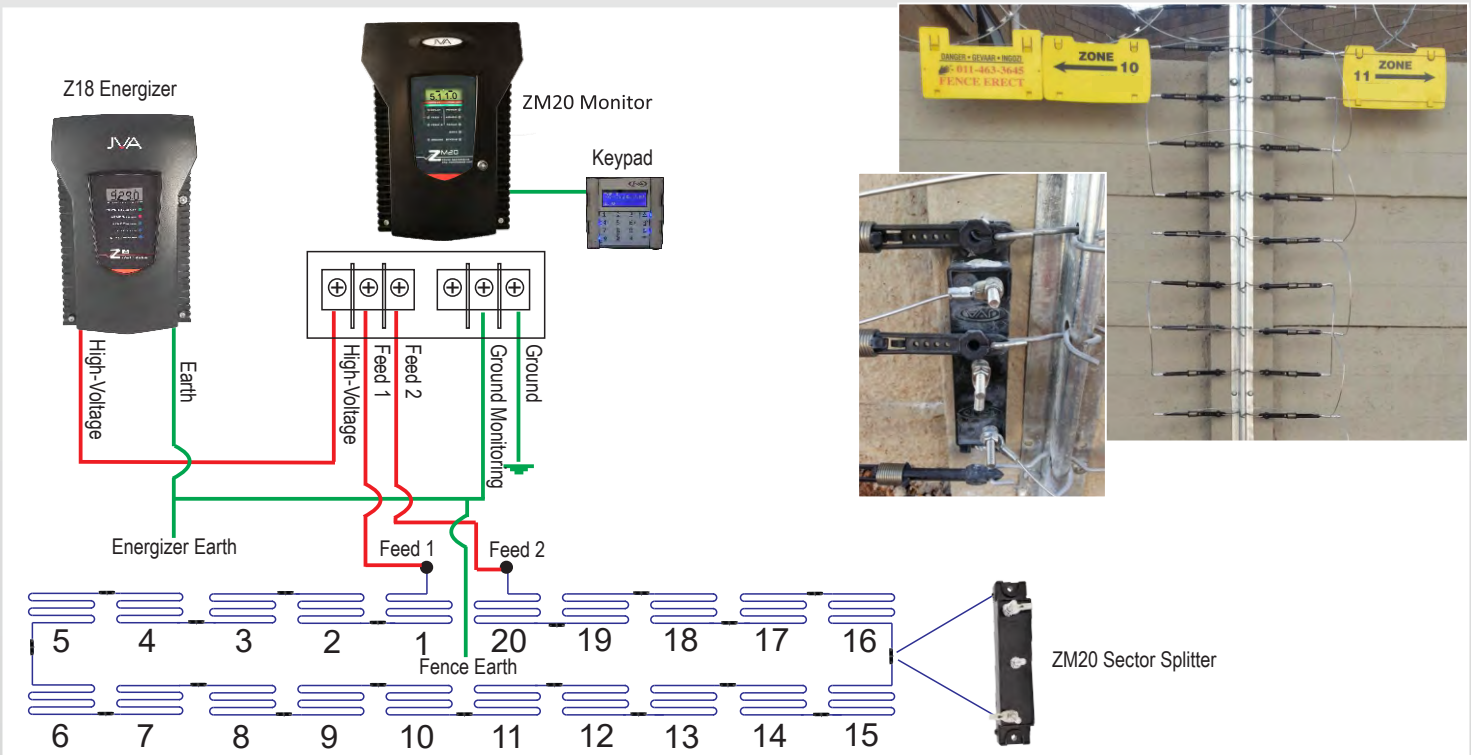
These systems are ideal where multiple energizer placement at a site is not possible. A single energizer in one location can then partition a single high voltage zone into 20 or 50 manageable sectors.





Features:

- TCP/IP Connectivity with optional LAN Interface Board
- Reduces the cost of multi-zone systems
- Accurately divides a High Voltage Fence Zone into up to 20 or 50 Sectors
- Is able to be monitored via Keypad or a PC, using Perimeter Patrol Software, or any Web enabled device, with the addition of a JPAE212 Web Server
- With e-mail, alarms are able to be integrated into third party security management systems at a variety of levels
- Dual HV Feed, increases deterrent and reduces the effect of a cut wire
- The JVA ZM Monitor can be powered by any JVA electric fence energizer
- Monitor 1 – 20 or 1 – 50 fence loops up to 8km wire length or maximum loop resistance of 1000 ohm
- 2 – 20 or 2 – 50 Programmable Sectors
- Cut or bridge alarm on sudden reduction in current
- 3 Programmable dry contact control relays
- Siren and Strobe switched 12V DC outputs
- Built-in charger and space for a 12V 7Ah backup battery.



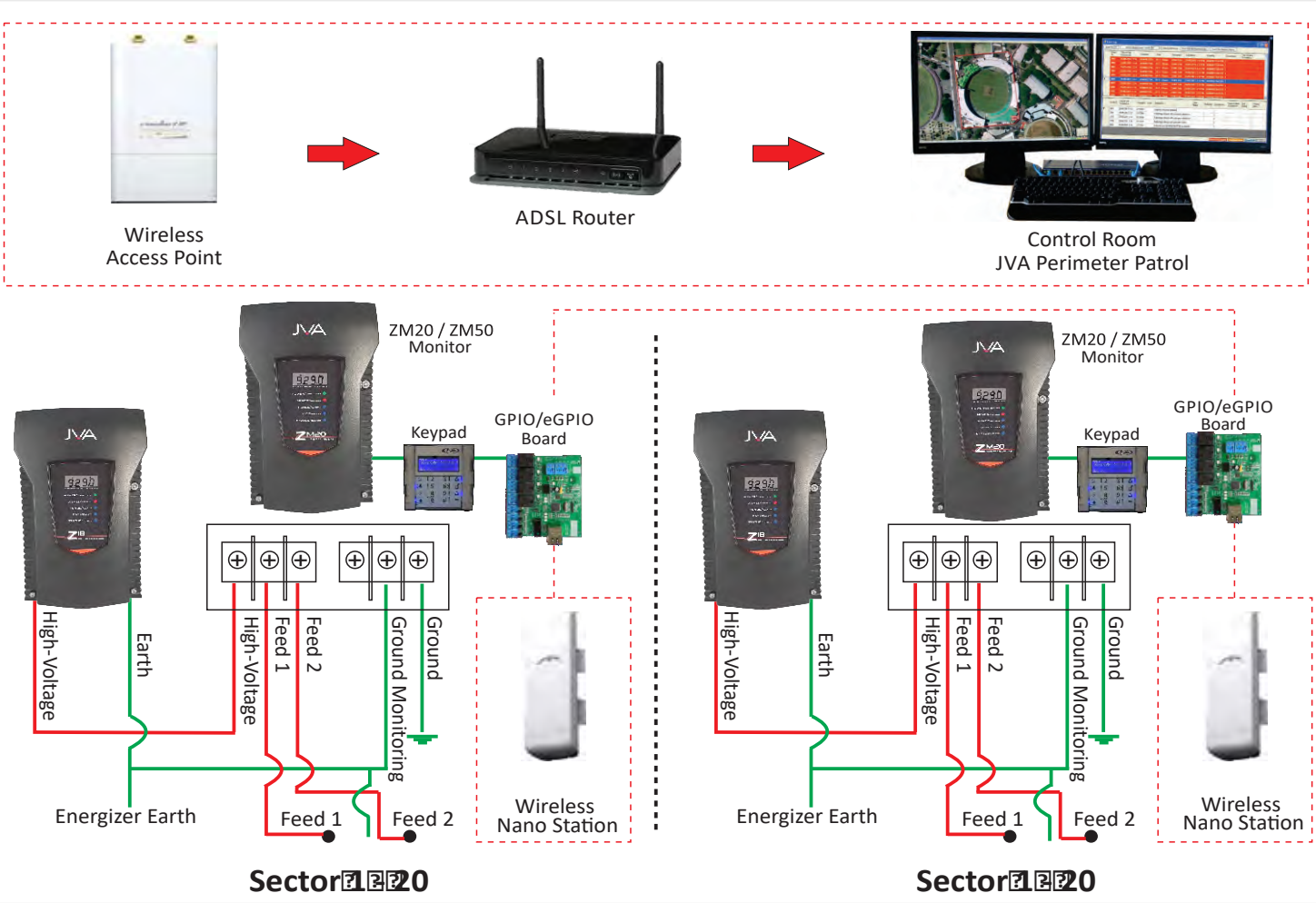
JVA ZM20 & ZM50 Monitors

On larger sites consisting of multiple networked energizer stations, the ZM20 and ZM50 can further divide the individual energizer zones into multiple sectors.

This improves detection as high voltage zones are broken up into smaller more manageable sectors. The energizer stations would then, through the LAN, (Local Area Network), be networked back to the control room to the PC Perimeter Patrol Management System. Through the use of a WAN, (Wide Area Network), the JVA High Level Interface (HLI) can further integrate the system into an offsite, multiple-site, management system for a larger control centre set up.

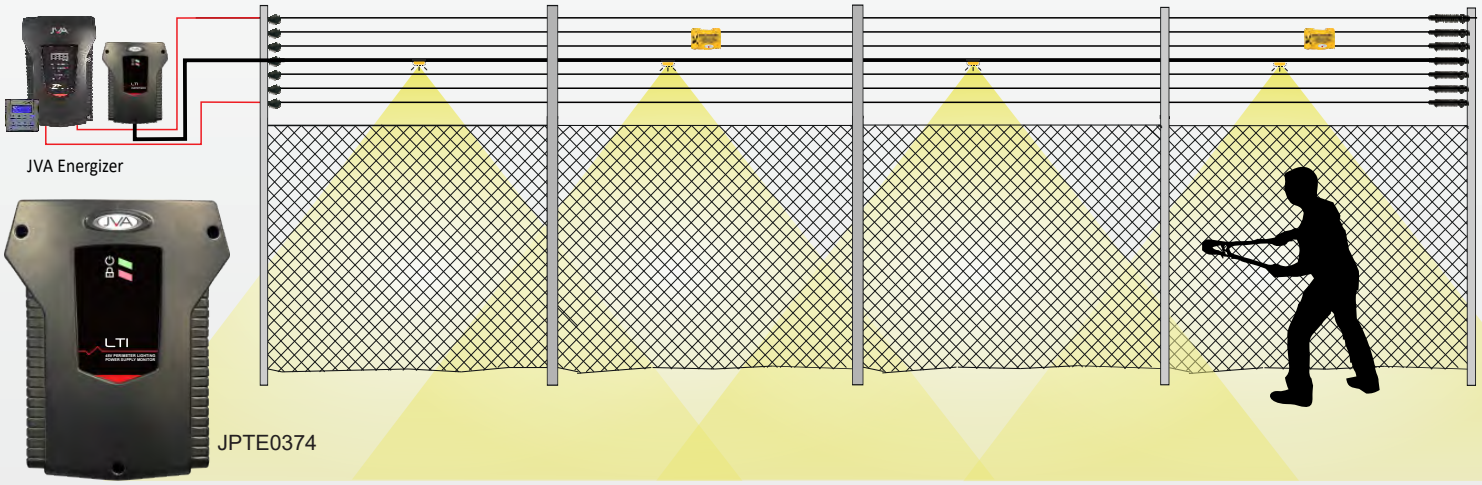






JVA LED PERIMETER LIGHTING

JVA Perimeter Fence Security Lighting provides the most efficient, effective, durable and easy to instal fence line lighting solution. JVA has designed and built a JVA fence light power pack to integrate fully with JVA Energizers and the JVA Cloud Router App. The power pack, besides providing intelligence and control to the lighting, helps isolate the high voltage induction created by the Energizer protecting the LED lights on the fence. The quick connect system allows for a single unbroken run of UV and rodent resistant illumination cable onto which your lights are crimped to provide a long-lasting and weatherproof solution.



Why JVA perimeter lighting?

- Intruder deterrence
- Enhanced visibility for CCTV
- Early detection of suspicious activity
- Improved safety for residents and personnel
- Simple integration with electric fence and motion sensor alarms

Max 80 Lights per Power Pack
Ensure that Max cable length is not exceeded:

Space between lights (m)	Max cable length	Number of lights
3	240	80
4.5	330	72
6	380	63
9	470	53

Features:

- Fast and simple installation requiring no COC for long term lighting reliability
- Can be installed on existing perimeter infrastructure
- Cost-effective compared to traditional methods
- Light activation via fence alarm, built in day/night sensor, smart phone OR direct switch
- System alarms for power failure and cable theft.



Third-party integration

The JVA LT2 Power Pack directly links into the JVA Z-Range through the keypad bus. The unit includes a built-in alarm system that triggers a dry contact relay in the event of either a power failure or break in the cable (cable theft). The alarm will trigger even if the lights are off. The dry contact relay connects either directly to a third-party integrator or to our wireless interface which can warn the customer directly via the JVA Cloud Router App, perimeter patrol or third-party system.



How to install?

Mount your JVA LT2 Power Pack and plug it in. Install your illumination cable to the existing fence infrastructure and crimp on the perimeter lights with the tool provided at any increments chosen for a permanent and watertight connection. The illumination cable is UV stable and rodent resistant to ensure years of problem free operation.







JVA LED PERIMETER LIGHTING



JPTE0374

JVA LT1 Power Pack

- The 80/160 lights can be activated via the onboard Day Night Switch, Smart Phone App, Energizer Alarm, Remote Button or standard light switch
- The light power cable Cut Alarm will trigger even if the lights are off, giving 24/7 cable management



Crimp-on Lights

- Simple installation using existing fence/wall infrastructure with crimp-on lights
- A single supply point can feed 600m/2,000ft of uniform light or 1,000m/3,300ft of intermittent light
- The most robust and cost-effective means of lighting your perimeter



Cable Joining Kit

- 2 x Low heat solder connectors
- 1 x 100mm heat shrink tube



End Cap

- For terminating the illumination cable, heat shrink



Crimping Tool

- Tool to connect lights to the cable
- Light removal claw on handle



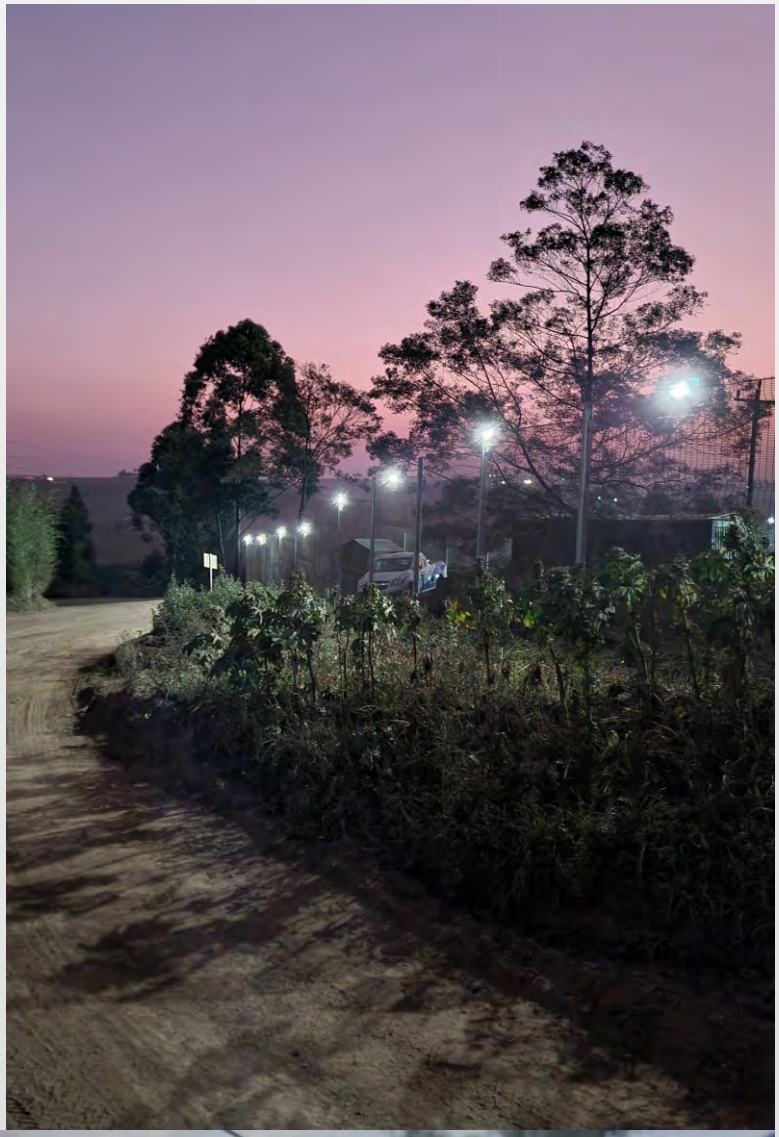
Illumination Cable

- Available in 100m rolls
- 2 core 2.5mm
- Rodent repellent
- UV and Chemical Resistant



Fence Post Top Bracket

- Designed for a clean and professional finish
- Quick and easy installation on either wall or fence post



JVA Perimeter Patrol

This Perimeter Patrol Software is ideal for a stand-alone system, where the user requires a visual representation of an electrified enclosure (mimic screen) and the ease of operation that a Windows compatible GUI application can provide. It can also be integrated into existing systems using USB, Fibre Optic Cable, Wireless Communication and Local or Wide Area Network protocols. The JVA Perimeter Patrol Software Package enables one or more energizers to be monitored and controlled from a PC.

JVA Perimeter Patrol can be used quickly to view the status and voltages of electric fences and devices; alert and email the user when the fences, gates or other devices need attention; arm and disarm electric fences according to a custom schedule and remotely access electric fence systems.

Icons representing the energized zones are positioned over an image of the site map. Status and voltage information from the various zones throughout the site are updated in real time from a remote or central location. The PC speaker or external Input/Output Interface Board can be used to generate an audible alarm.



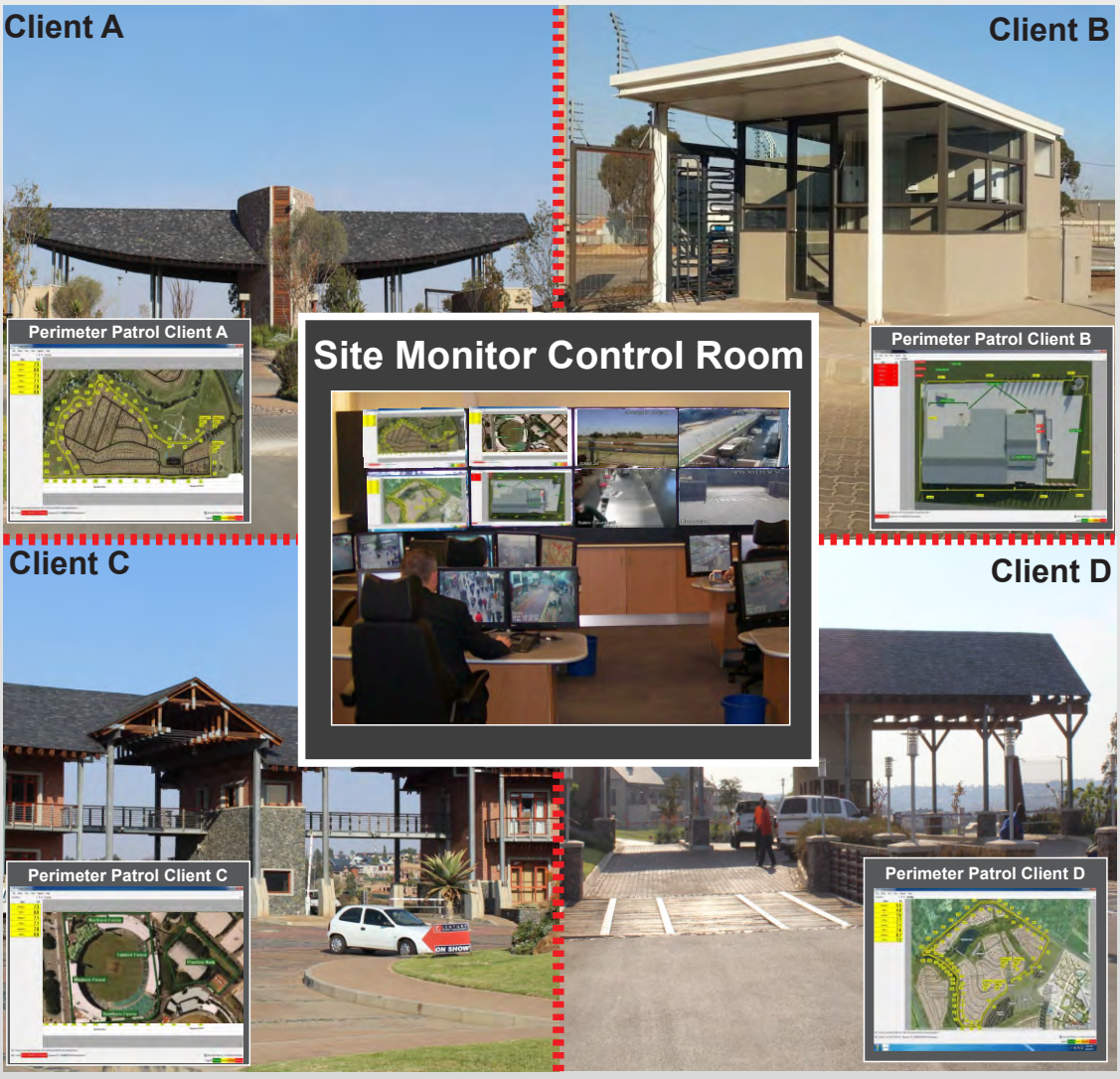
Dual Screen Perimeter Patrol Setup

JVA Perimeter Patrol Site Monitor

The Site Monitor Program allows the user to take control of multiple Perimeter Patrol Sites and display all the sites on one control room screen. This is ideal for offsite management. The JVA Site Monitor is a server which accepts incoming connections from multiple remote Perimeter Patrol sites and sends information back to them. In order to have high level integration, the JVA Range of devices must first be able to communicate with a JVA application such as a Perimeter Patrol running on a Windows based PC.

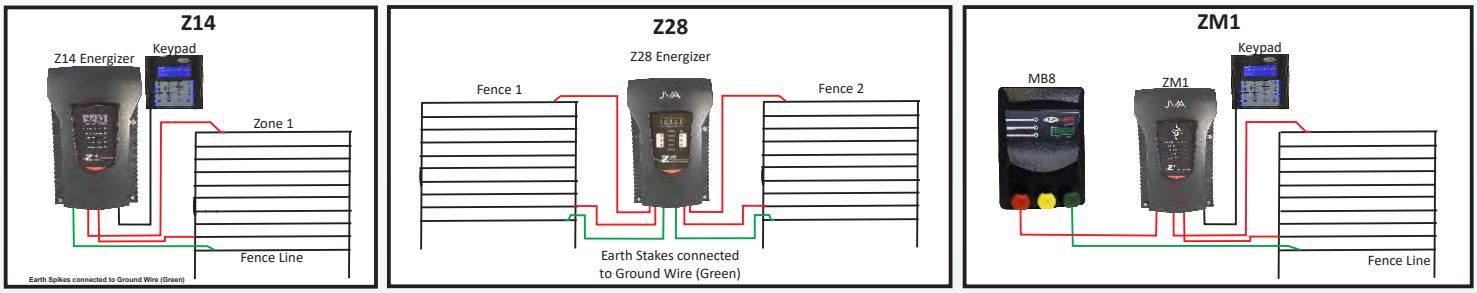
Site Monitor Integration options available include a DLL based Software Developer's Kit (SDK) with documentation and basic control demo Windows Form application and OPC which will enable any third party OPC, compliant GUI, to access and control connected Z-Series devices. For the systems integrator, the DLL approach is the fastest and most flexible method of making live connections between their applications and JVA Z-Series's devices.

The JVA Perimeter Patrol Site Monitor allows you to customize, monitor and control JVA Security Electric Fence systems from within your own software environment. The software connects to the JVA Perimeter Patrol program over an encrypted TCP/IP connection.

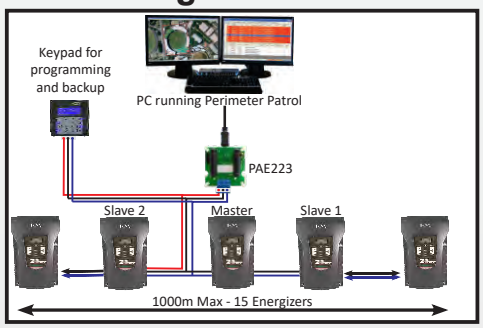


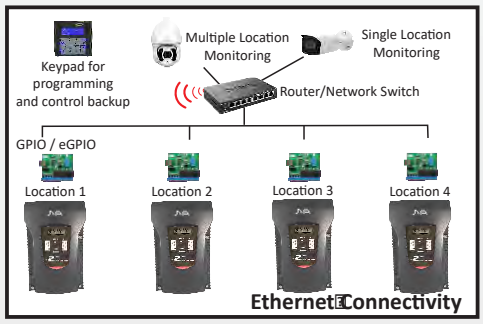
JVA MULTI-ZONE METHODS

Basic High Voltage Stand-Alone Monitoring Options

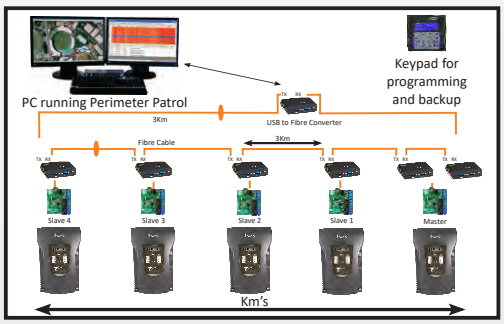


Networking

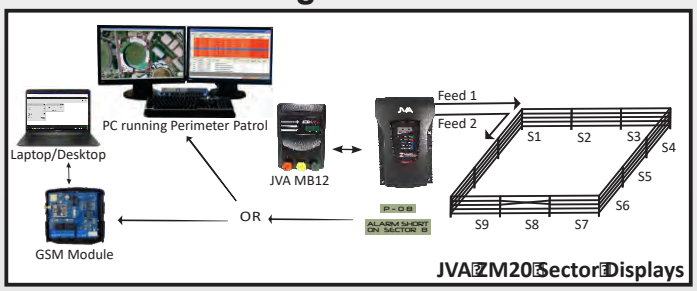




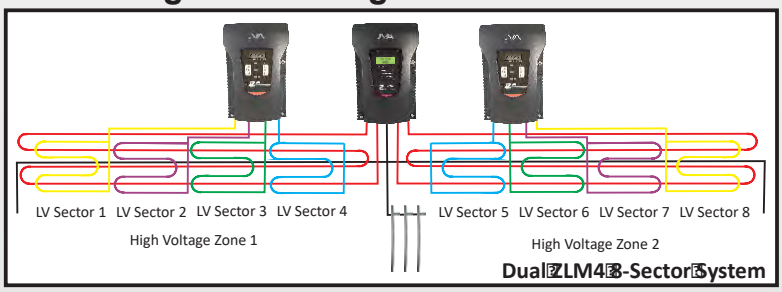
Fibre



Current Monitoring



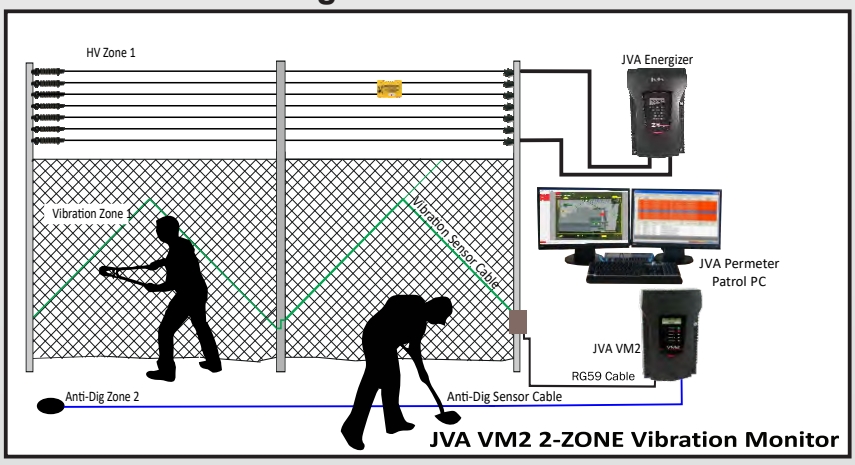
Low Voltage Monitoring



GSM or Wi-Fi Monitoring



Vibration Monitoring



LAN Monitoring TCP/IP



JVA PERIMETER PATROL INTEGRATION FUNCTIONALITY



General Purpose Input Output Board

Monitors and Controls: 4 inputs, 4 outputs PIRs, temperature, pumps, water level, access control, beams, lights, gate control, camera integration





JPTE0248

Ethernet Adaptor Device

Connected to single and multiple groups of energizers and monitors

GPIO TCP/IP Interface

Perimeter Patrol

A powerful, flexible, intuitive user interface

Features Include:

- User Authentication
- Remote Access
- Multiple Site Monitoring
- Event Logging/Archives
- High Level Interface API
- Cloud Backup
- Multiple user access levels
- Quick view screen
- Control on schedule
- Global Site Arm/Disarm
- Individual Arm/Disarm
- Export Event Logs
- Print Event Logs
- Built-in relay controller
- Integration
- Serial Comms
- Ethernet Comms
- Alarm Popups
- Map Zooming
- Custom URL (Hyperlink buttons)
- Server/Client configuration
- Alarm Escalation
- Graphical Log View.

Radio Frequency Interface

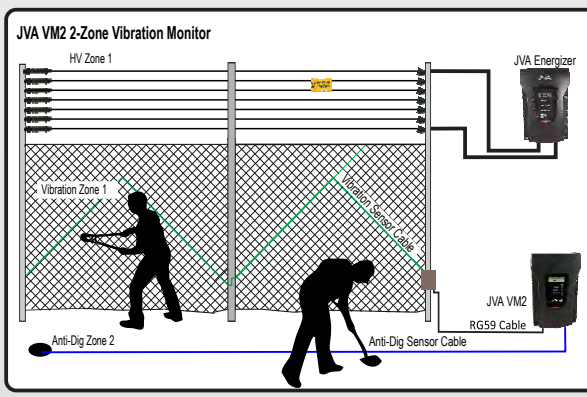
Radio Frequency Interface

Monitors and controls:
2 inputs, 2 outputs
Roboguards, PIRs, door sensors, beams, gates, etc.

Perimeter Patrol Management Software

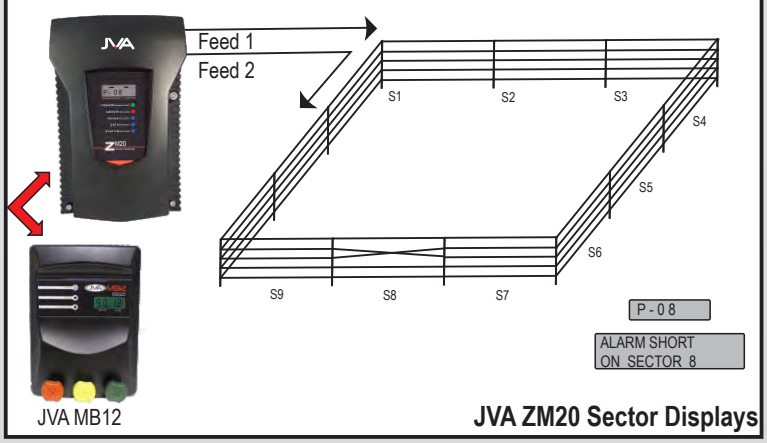
Real Time monitoring of Energizers, Monitors, Cameras, Access Control and Beams



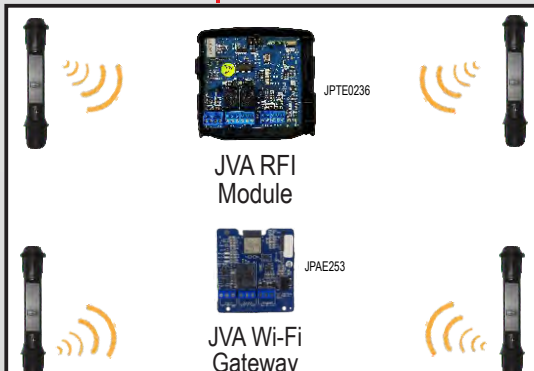


JVA Vibration Detection

2-Zone Perimeter Intrusion Detection System, utilizing Microphonic Cable that can be used above and under ground; total distance of 300m per zone



JVA ZM20 Sector Displays



Roboguard/RFI Integration

JVA PERIMETER PATROL INTEGRATION FUNCTIONALITY

Redundancy Solution
Cloud Router®

The JVA Cloud Router® provides access to your electric fence and other devices in the field through GSM and Wi-Fi. Devices are linked to the Cloud Router® via Nimbus Gateways. The Cloud Router® Solution gives a complete alternate Cloud Based Software solution to run parallel to the onsite Perimeter Patrol system, giving a complete alternate offsite redundancy system.



Site Monitor (Remote)

Enables you to view multiple sites on a simple platform



Cloud Backup

Remote backup of configuration, maps, licence activation, data

Google Earth Integration

Google earth interface, Google Earth Map – import coordinates



JVA Perimeter Patrol PC

HLI – High Level Interface

To enable remote site monitoring and customization

IOT – integration
LoRaWAN – integration

TTN - The Things Network

LoRaWAN

Scada Integration

Customization of Sites

Integration with VMS



SDK Software Development Kit

Enables you to view multiple sites on a simple platform

Allows customization to different platforms such as:

SPIDERWEB

milestone

Genetec™

a|hua TECHNOLOGY

CATHEXIS

Ultrasense

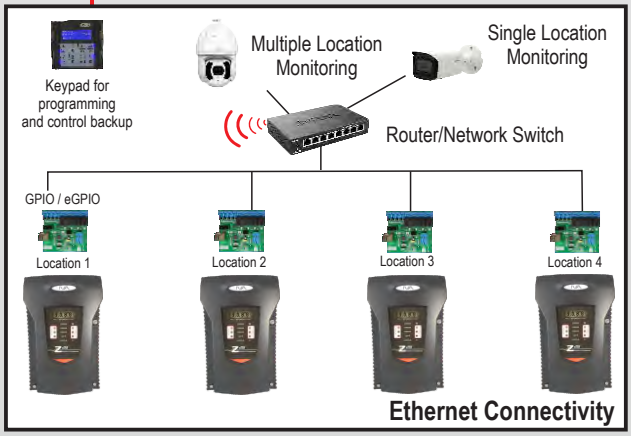
HIKVISION

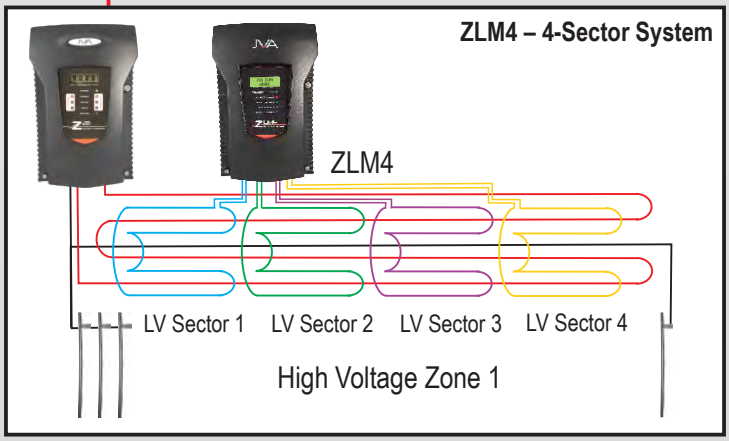
EARTHRANGER

GEUTEBRÜCK

VUMA >Cam

JVA Product Integration





JVA CLOUD ROUTER

JVA's GSM and Wi-Fi module is compatible with all the JVA range energizers. The module is designed to interface seamlessly with JVA's own internet platform and application, to allow you to monitor and control an electric fence energizer. More specifically, you may log in using your personal user name and password to configure the module to do the following:

JVA GSM Module



JPTE0320-4G

JVA Wi-Fi Module



JPAE253

Real-Time Notifications Monitor your site's history with the event log

Get email and SMS notifications of alarms as and when they happen.

Site Sharing

Share your sites with others, with user acess controls

See the state of your sites at a glance

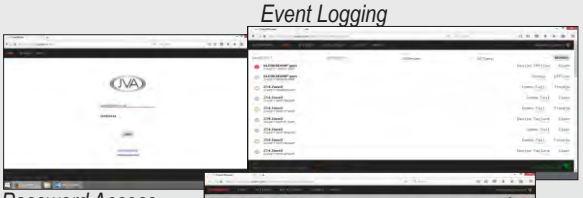
The overview page shows you the overall armed state of your site and whether there are any active alarms.

Features:

- Real-Time Notifications – get email and/or push notifications of alarms
- Site Sharing – share your sites with others, with user access controls
- Monitor Site's History – easy search history of events and who had access
- Status of your sites at a glance – will tell you if a site is off line or whether there are active alarms
  - Power supply to energizer
  - Feed and return fence voltages
  - Tamper conditions
  - Gate statuses
  - Battery condition
- Clean, crisp, User Interface on all JVA Devices – displays information you need, whether on your mobile or desktop PC
- A single Wi-Fi/GSM unit can be connected to up to 14 Z- Range devices
- Two Output Relays (30V DC 8 amps) GSM Module
- Two Inputs – dry contact or active pull down, GSM Module
- Micro Sim Card required GMS Module
- There are 3 user levels, *Admin/Supervisor/User*
- By using a JVA ZM1, any energizer brand can be brought into the cloud management system.



Event Logging

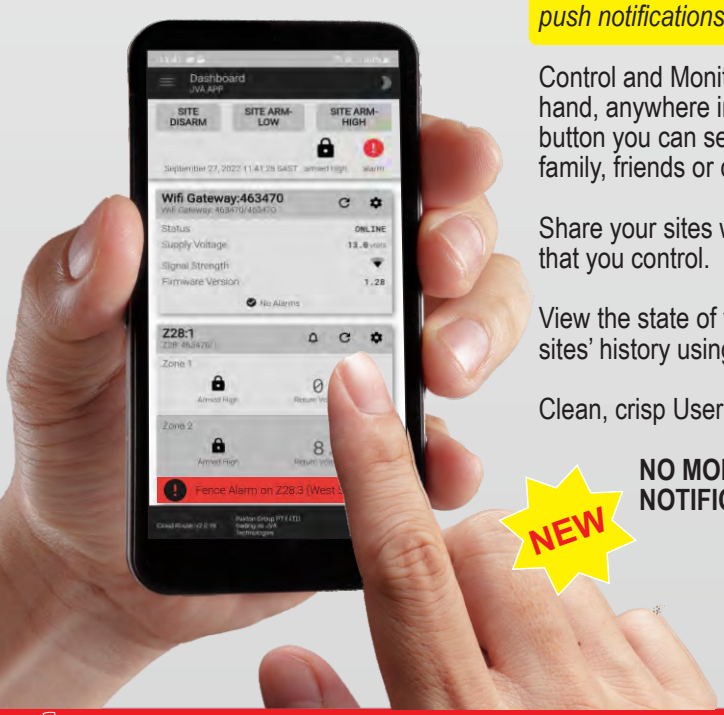


Password Access and Levels



Multiple Sites and Enegizers

***Note:** The JVA Cloud Router App provides real-time push notifications of alarms as and when they happen.*



Control and Monitor your sites from the palm of your hand, anywhere in the World. With the touch of a button you can see what is happening and share with family, friends or colleagues.

Share your sites with others with granular permissions that you control.

View the state of your sites at a glance. Monitor the sites' history using the events logs.

Clean, crisp User Interface on all of your devices.

NEW

NO MONTHLY CHARGES FOR PUSH NOTIFICATIONS OR APP USAGE

Google Play

App Store

JVA CLOUD ROUTER



JVA LCD Menu Driven Keypad

The JVA Keypad is manufactured specifically for the JVA Range of Energizers and Monitors. JVA has simplified functions by having one keypad to operate the full range of JVA Z-Range enigizers and Monitors from a simple home Z11 system, to a high profile multi-sectro system such as the ZM50. The backlit LCD display gives the user, at a glance, all the information that may be required. The keypad displays out and return voltages, date and time, and can be fully customized with custom messages and names for zones and gates: *Front Gate/Back Fence*, etc. The easy-to-use, intuitive, Menu-Driven Interface make programming and fence setup simple and quick.

Features:

- Easy to use, Menu Driven Interface; no need for manual when programming
- Backlit, 4-Line LCD providing important user information
- 500-Entry Event Log – know when and what occurred on your fence
- Battery backed, real time clock
- Controls, monitors and programs any Z-Range device
- Displays fence voltages, date, time and fence condition
- Simple 3-wire operation
- Battery voltage request display to energizer LCD
- Ability to customize zone and gate names
- 1 – 14 energizers can be controlled from one Keypad
  1 – 3 keypads can control one energizer.



JPTE0240



LCD Screen on Keypad



JVA Android Keypad

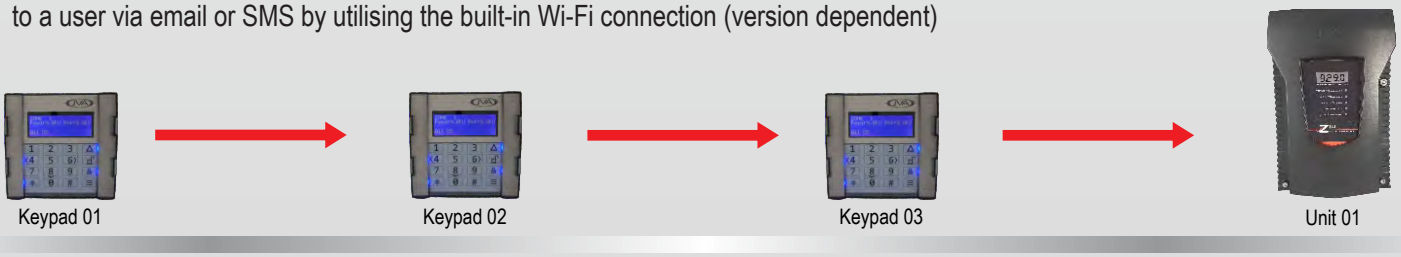
The JVA Touch Screen Keypad is manufactured specifically for the control and management of the full range of JVA Z-Range Energizers and Monitors, from a simple home Z11 to a high profile multi-zone ZM50 system.

The seven inch screen gives the user, at a glance, or a touch all the information that may be required.



Features:

- New easy-to-use graphical user interface, touch screen keypad for the JVA Z-Range
- Provides a menu-driven programming interface for devices: each device can have its unique settings programmed from a drop-down list of possible values, with names and descriptions of each setting available, so installers will not need to refer to a manual to configure a device
- Provides a method of loading and saving site configurations, including device configurations, custom zone names and configurations, individual user permissions and more which means that ZM20 sector programming can be saved and recalled and common setups can be saved and quickly loaded into a new device
- Generates Maintenance Alarms when the site isn't correctly configured – alarms can be sent to a user via email or SMS by utilising the built-in Wi-Fi connection (version dependent)





JVA NETWORK INTERFACE BOARDS

JVA GPIO Wi-Fi Gateway TCP/IP

The JVA Wi-Fi GPIO with TCP/IP interface enables control of JVA Z-Series Energizers and Monitors via LAN and WAN using JVA Perimeter Patrol Software. The Internet protocol suite is a set of communications protocols used for the Internet and similar networks and generally the most popular protocol stack for wide area networks. It is commonly known as TCP/IP, because of its most important protocols: Transmission Control Protocol (TCP) and Internet Protocol (IP). The JVA Wi-Fi GPIO with TCP/IP interface provide input and output expansion for the JVA Security Management System. The 4 digital Inputs are able to monitor devices such as motion detectors, IR beams or door contacts; the 4 relay outputs can be used to turn on security lighting, sirens or even water pumps.



JPTE0248

JVA RFI Board

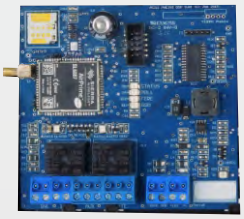
The JVA RFI Interface Board is designed to monitor wireless security devices on the 433MHz radio frequency and integrates the information into JVA products such as the JVA Keypad and the JVA Cloud Router.



JPTE0236

JVA Cellular Gateway

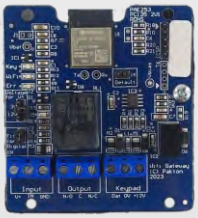
The JVA Cellular Gateway allows for communication between the JVA Cloud Router and a group of Z-Series Energizers, monitors and accessories, enabling remote access and monitoring of all of your devices from your smart phone or PC. The Gateway features an intelligent bandwidth-conserving protocol that updates the Cloud with changes only to the energizer network which reduces data usage. The Cellular Gateway has 2 inputs and 2 outputs for use.



JPTE0320

JVA Wi-Fi Gateway version 2

The JVA Wi-Fi GPIO with TCP/IP interface allows for communication between the JVA Cloud Router and a group of Z-Series Energizers, monitors and accessories, enabling remote access and monitoring of all of your devices from your smart phone or PC. The Gateway features an intelligent bandwidth-conserving protocol that updates the Cloud with changes only to the energizer network which reduces data usage.
The Wi-Fi Gateway has 1 input and 1 output for use.



JPAE253

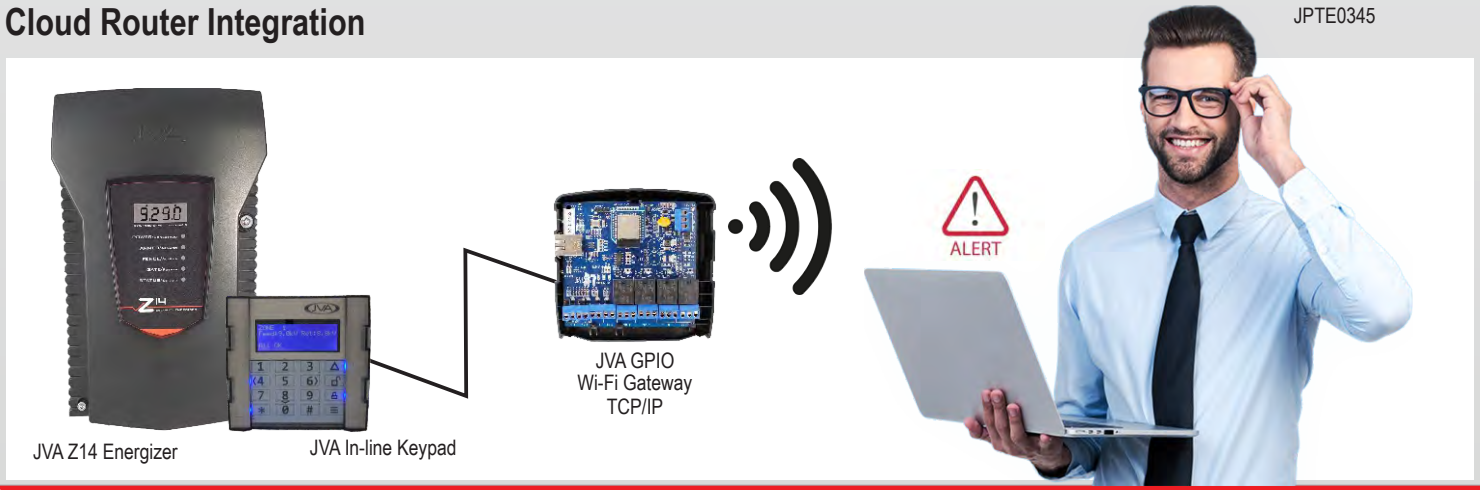
JVA GPS Sync Module

The JVA GPS Sync Module allows a group of JVA Z Series energizers, monitors and other devices to synchronize their fire pulse to the GPS network. In this way multiple groups of energizer can be synchronized without needing to link the groups by Keypad Bus or ethernet. IEC 60335.2.76 Electric Fence Energizer Safety Standards requires pulses on fences within 2.5m of one another be synchronized so as to remain safe. Simply install a PTE0345 GPS Sync Module as master on each group and they will be automatically synchronized.



JPTE0345

Cloud Router Integration



JVA SOLAR WI-FI ANYWHERE®





Wi-Fi Anywhere

Internet of Things (IoT) covers a broad range of sensors, devices and online products designed to help you monitor and control almost anything from almost anywhere in the world. The WA20 Solar Wi-Fi Anywhere® is a great solution for powering your IoT devices in the field. The USB Modem in the WA20 uses a standard SIM card to produce Wi-Fi from cellular networks like Vodacom / MTN / Cell C.

Use it to create a Wi-Fi "hotspot" where ever you need it. This could be; in a paddock, near a gate or beside your shed. This can be used to connect devices like JVA IP Energizers® to the Internet. Other devices such as IP Cameras, Automatic Gates, Weather Stations, Pumps, Water monitors and Alarm systems can also be connected. It can even operate in marginal signal areas with the addition of a larger antenna.

Features

- External quad band antenna included
- 12V Battery Required *
- Highly efficient and intelligent digital circuit
- 20W solar panel
- UV stable enclosure
- O-Ring Sealed case for moisture protection
- Strong aluminium bracket
- Long lasting stainless steel fasteners

Specifications:

Wireless	Max Clients: Wi-Fi Range:	16 Devices 15 Meters
Size	Height: Width: Depth:	540 mm 280 mm 125 mm
Weight	Product: Packed:	2.5 kg 2.7 kg

JVA TANK MONITOR

The JVA all-in-one Solar Water Monitor can be placed alongside any tank, reservoir, water trough or dam, monitoring the water level. The unit is stand-alone, just requiring a local GSM/Sim card. The units have a 7 AH battery and 24 watt solar panel, so are able to operate 24/7/365. The units report to the JVA cloud and through an easily set up process, and using the 10m water level reader, will report on the percentage of water. The process of programming and set up is easy. The units have a spare input and output on the PCB to enable the user to switch on a pump if required. The stable, popular JVA Cloud System makes management and water level logging a breeze. This system can also be supplied as a stand-alone unit for your home water tanks, and connected into your home Wi-Fi system, reporting to your phone through our reliable Cloud Router System, allows you to view your Agric or Security Energizers, Roboguards and water tank level all from one place.

Option 1: JVA Water Monitor – Solar
This stand-a-lone system can be placed anywhere on the farm to measure the level of water in your dam, water tank, etc. With a built-in solar panel, solar regulator, and an internal battery, it will continue to supply you with the measurements and notifications you require to ensure that you are on top of your water system.

JPTE2800_JVA Water Monitor – Solar
- PAE253 – Wi-Fi Gateway+
- COX121 – 10m Water Sensor
- 24W Solar Panel
- PAE347 – Solar Regulator and USB connection for Cellular Dongle
- 4G LTE Antenna
- 4G Dongle

(12V battery of choice, and Sim-Card to be added)

Scan QR Code to see our latest video



Option 2: JVA Water Monitor – Mains Wi-Fi Anywhere
This system has been designed for placement where you have mains power on the farm to measure the level of water in your dam, water tank, reservoir, etc. It can also be connected to an external battery where a solar system is in place.

JPTE2801_JVA Water Monitor - Mains/ Wi-Fi anywhere
- PAE253 – Wi-Fi Gateway+
- COX121 – 10m Water Sensor
- COP015 12v EU Power Supply
- SAE Battery Leads
- 4G LTE Antenna
- PAE348 – USB connection for Cellular Dongle
- 4G Dongle

(Sim Card to be added)



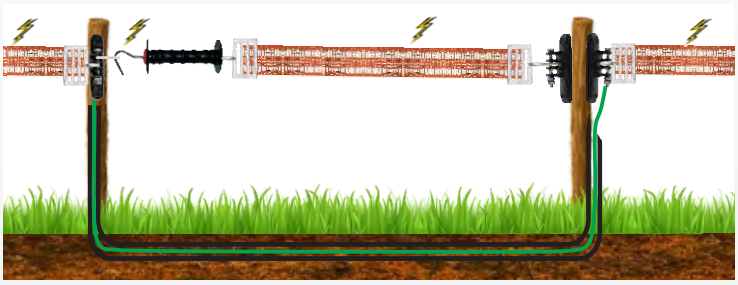
Option 3: Water Monitor – Water Tanks
This system has been designed for placement where you have mains power and a Wi-Fi network and is focussed on measuring the level in the water tank, or reservoir close to your house. It can also be connected to an external battery where a solar system is in place.

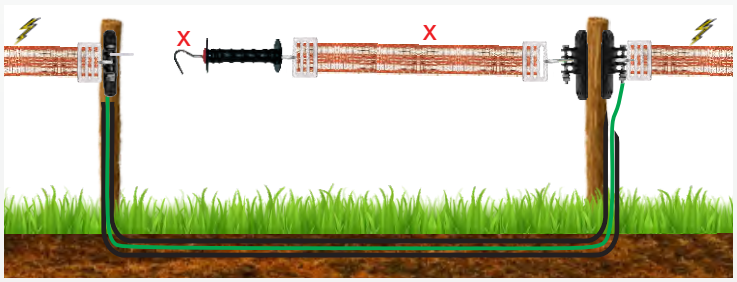
JPTE2802_JVA Water Monitor – Water Tanks
- PAE253 – Wi-Fi Gateway+
- COX121 – 10m Water Sensor
- COP015 12v EU Power Supply
- SAE Battery Leads



GATE CONTACT OPTIONS

Agricultural Gate





Security Gate Options

Series Gate Contact (SANS 10222-3:2006 Compliant)

The level of security and the quality of the gate will determine the choice of gate contact.



N524

Standard Parallel Gate Contact



N525

Econo Series Gate Contact



N526SAG

Slide-Across Series Gate Contact



N526

a. In-Line Series Gate Contact



N526B

b. In-Line Mounting Bracket



a+b. In-Line assembled Gate Contact



We are proud to release three new variants of our new, Compression Gate Contact.
The new compression design turns the existing gate contact upside down, reducing the chance of pins being crushed or poor alignment causing issues. It also comes with easy-to-use, industry trusted terminals and a neat cover, protecting the terminals from touch and the elements. The new terminals make installation of cables quick and easy. The easy-to-use, optional Z-type mounting brackets, manufactured from stainless steel, make aligning and installing the contact a breeze.

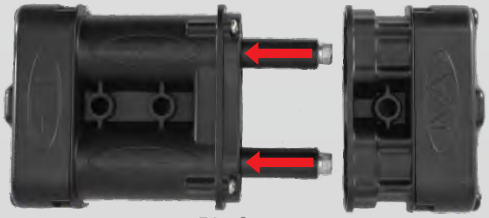


N539

Inverse Gate Contact Mounting Bracket

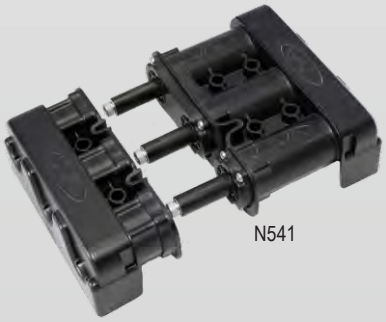
The Gate Contacts are offered in three variants:

- Two-way Compression Series, live live
- Three-Way Compression Series, live live and parallel earth
- Four-Way Compression Series, live and earth (Ideal for Bi-Polar and Hi-Security Gates)



N540

Pin Compresses



N541

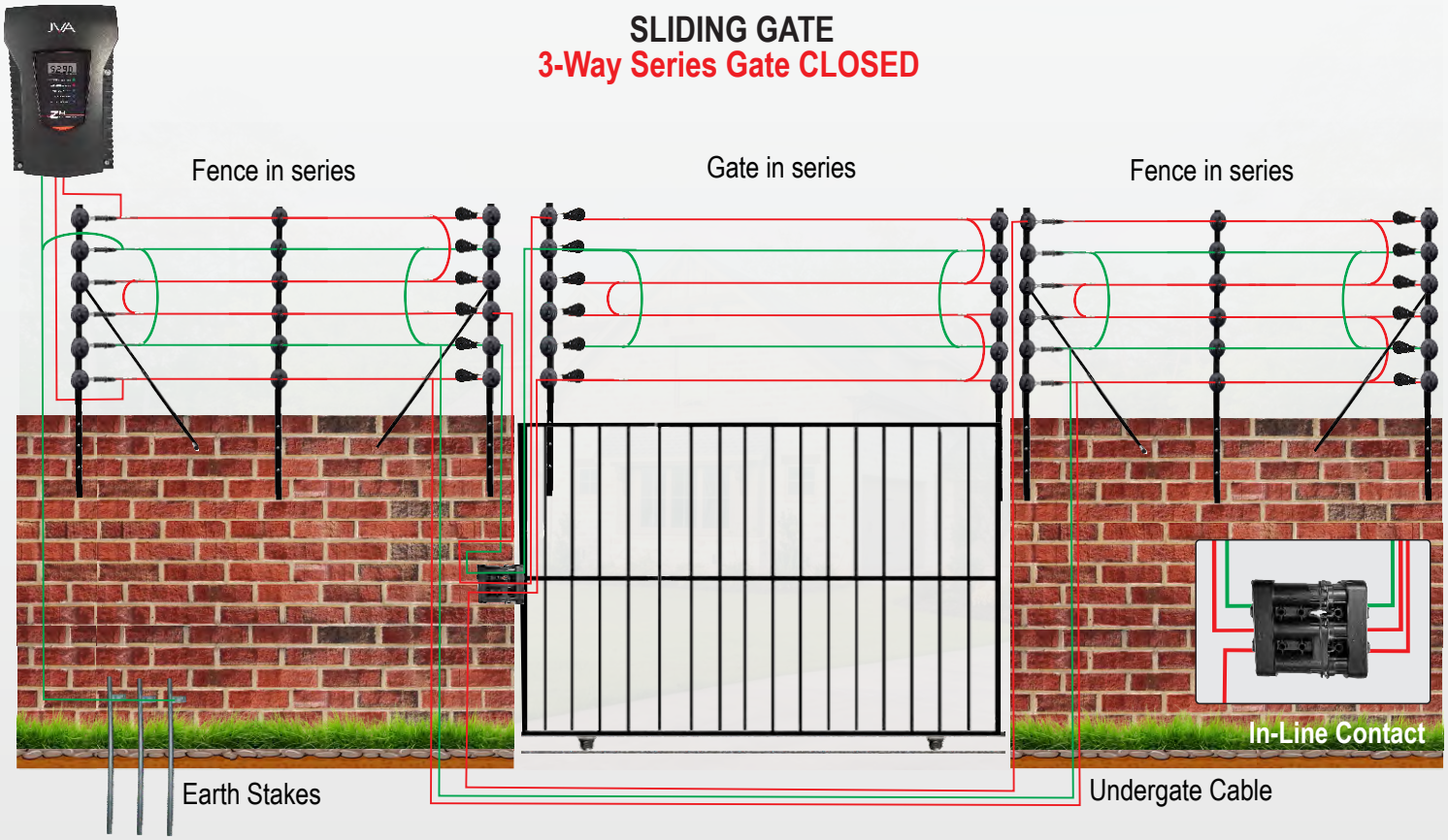


N540x2 with N537x1
Inverse Gate contact double Two-way bi-polar

GATE CONTACT OPTIONS

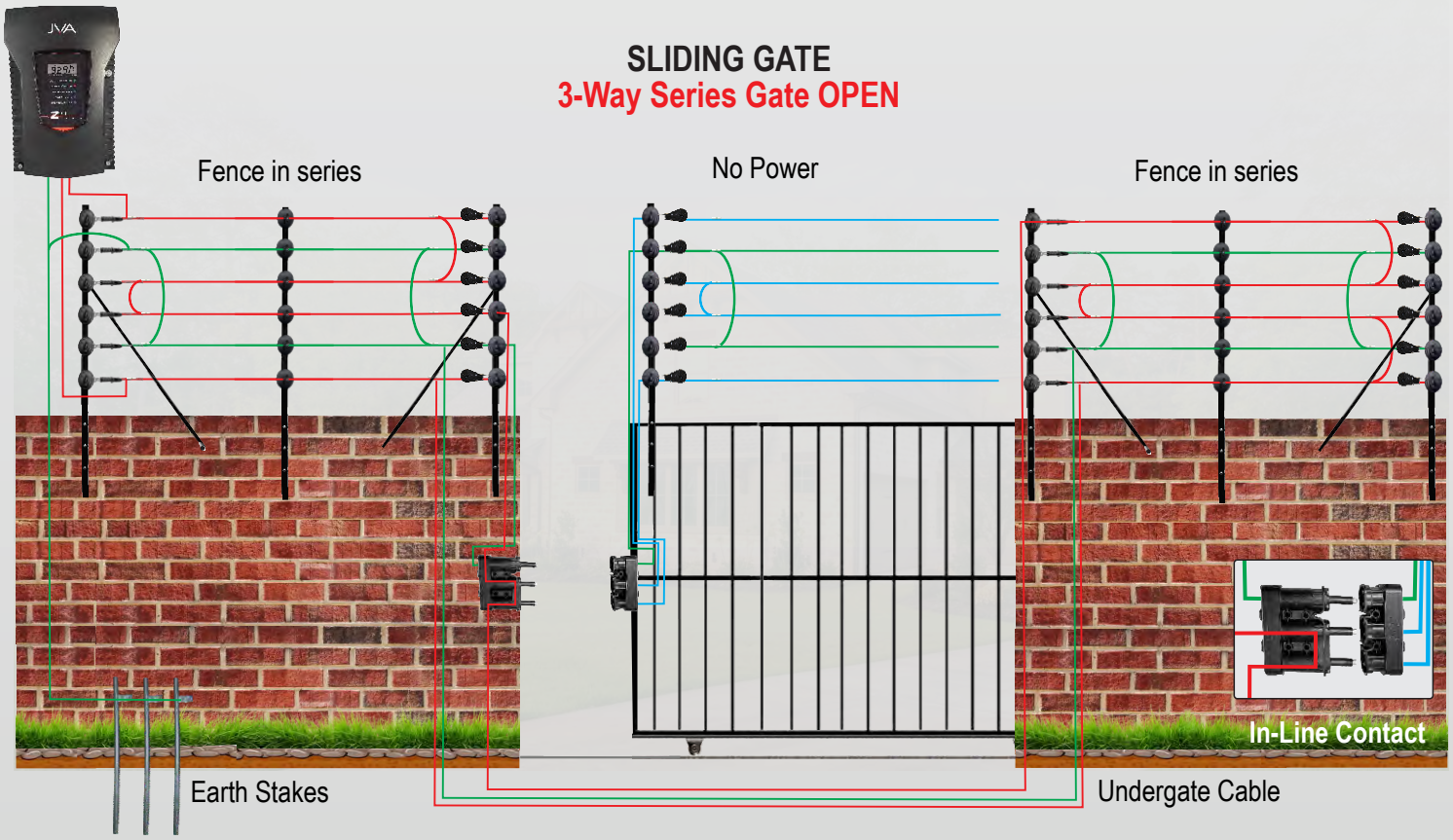
The diagram below illustrates a gate-top fence circuit when the gate is CLOSED. Here the gate In-Line Contact enables the gate-top circuit to be an integral part of the over-all fence circuit. Cutting the wires or interfering with the gate will break the circuit and trigger an alarm.

SLIDING GATE
3-Way Series Gate CLOSED



The diagram below illustrates a gate-top fence circuit when the gate is OPENED. Here the current from the fence will pass through the gate contact and under the fence to complete the circuit and allow access. To detect an intruder forcing the gate open, a Mag Contact linked to the energizer gate alarm, can be installed to monitor the gate status.

SLIDING GATE
3-Way Series Gate OPEN



JVA ELECTRIC FENCE TAMPER SWITCH

Type A - Wall-Top



N942

Type B - JVA Profile



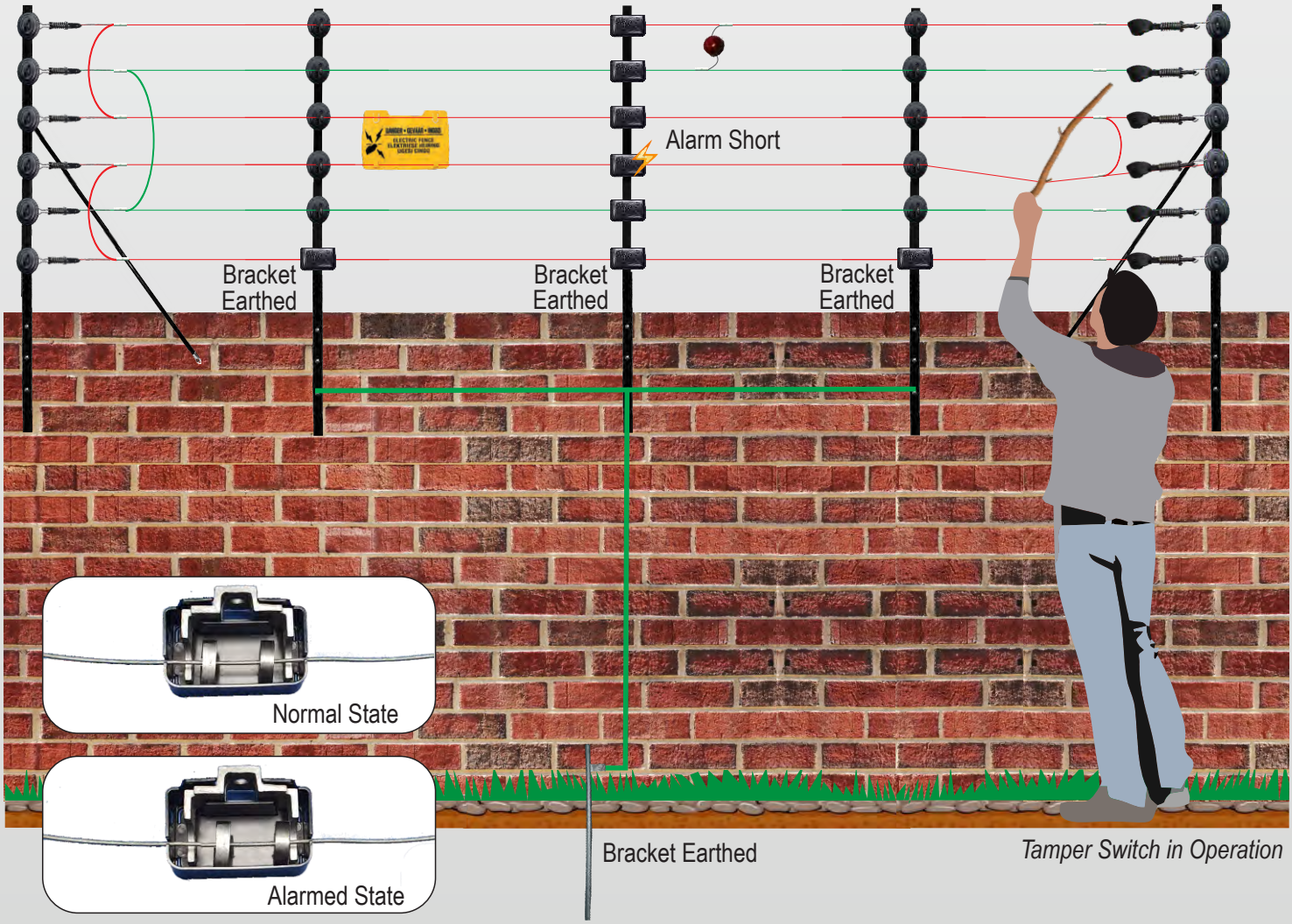
N943

The JVA Tamper Switch is a simple, clever, patented product designed to be fitted to new or old fences, to detect when a live wire on an electric security fence line is being tampered with.

This tamper switch will then trigger the fence line voltage monitor which in turn will trigger an alarm (siren, armed response, security lights, etc.) to warn the occupants of a property that their perimeter is being interfered with. (The electric wire may have been cut or forced apart.)

The Switch has adjustable disks which can set the sensitivity of the tamper. Ideally the switch should be centered between two spring loaded tension points. The switch can be retro-fitted to Flat Bar and Square Tube fencing using the Type A Plate and to JVA Profile and JVA Y-Standards using the Type B Plate. Multiple switches can also be used on one post.

Multiple switches can be added in a single strand if higher security is required (see bottom strand below). The switch can be used on HV and LV fencing. The susceptibility to wire movement can be made very sensitive on low voltage fences (ZLM powered), where the arcing of high voltage is less of an issue. It is important to make sure that the post to which the Tamper Switch is attached is earthed to ground.



Tamper Switch in Operation

FREE-STANDING POLES, POSTS & STANDARDS



Electro Palisade

- As the name implies, this is palisade with a bite
- Custom built, hot-dipped galvanized, or painted palisade
- Specially designed insulators enable you to electrify and monitor the palisade fence

Weldmesh Panel

- Anti-climb and Anti-cut
- Transparent Wall for camera surveillance
- Corrosion resistant
- Easily installable
- Available in Black powder coating finish (other color options are made to order)
- Aesthetically appealing
- Meets or exceeds BS and SANS standard
- Available in various heights



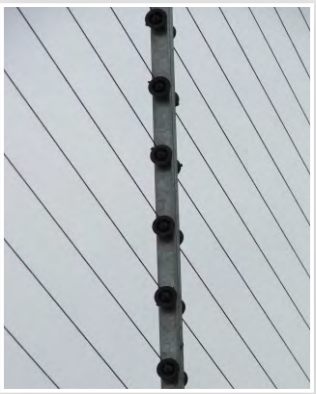


Trip Standard

- A trip standard is a short pole for supporting a live and earth strand a short distance away from a game fence, in order to deter animals before they come into contact with the main electric fence.
- A trip wire should be placed strategically to stop problem animals such as warthogs before they storm the existing fence, or start digging through. It is very useful for crawling game such as lions, pigs, cheetahs and wild dogs.
- Where lions cause the biggest problem, the fence can be adjusted by planting a 1.5m Y-standard, extended 900mm above ground level.

JVA Big Hole Y-Standard

- This strong, custom manufactured standard has larger holes punched through in to take the plastic Pop-Em and JVA Y-Standard insulator
- The Pop-Em insulator's wires run through the Y-Standard which makes it difficult to push them apart
- Available in 2.4m and 3m lengths and in black or galvanized





Rolled Profile Standard

- This lighter, hot-dipped, galvanized profile can be used with Pop-Em or Y-Standard insulators
- Supplied in 1mm or 2mm thick rolled steel
- Can be used to reinforce palisade, or as a light, intermediate, free-standing standard
- Available in 0.9m to 3m lengths



Conventional Fence Products

While Stafix Security Centres do not hold all types of conventional materials ex-stock, they can, should quantity warrant it, supply and deliver to site at very competitive prices, conventional fencing materials such as field fencing, Bonnox, mesh, ClearVu, barbed wire, standards, etc.

HOW TO STRAIN A CORNER POST

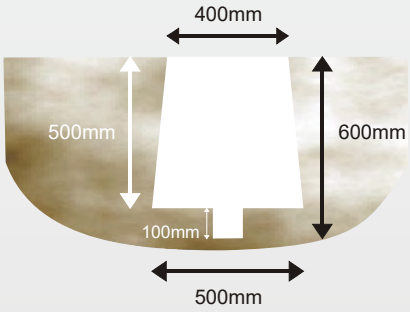
How to Strain a Corner Post

- Straining posts are the foundation of a good fence.
- Posts must be rigid & sturdy and well set into the ground and well anchored.
- The force of the wire tension of a 24-strand security fence can exert as much strain as 2.4 tons on the strainer pole. In cold weather this can rise to as much as 3.3 tons.
- Electric fence strain posts need to be positioned at every change in direction.
- Electric fence strain points must never be further than 100m apart.



The Perfect Strain Post

The ideal hole for a post should be 400mm x 400mm on the surface broadening downwards to 500mm x 500mm at the bottom, (soil dependent).
A small hole, the same diameter as the post and 100mm deep, should be dug in the centre of the bottom of the hole.



Note: *The post is placed in the small hole to allow moisture present in the pole to drain out into the earth.*

The post is placed in the small hole and held upright while a mix of cement, sand and stone, in the ratio of 1 : 2,75 : 4,25, is poured in and consolidated well.
The text book mix would be 50kg cement, 90ltrs sand and 140ltrs stone.

In reality most installers use two bags of ready mix and a bit of filler such as bricks and stones. The concrete must be built up slightly above the ground in a cone shape to shed rain water. Only after four days is the post really ready to be subjected to wire strain.

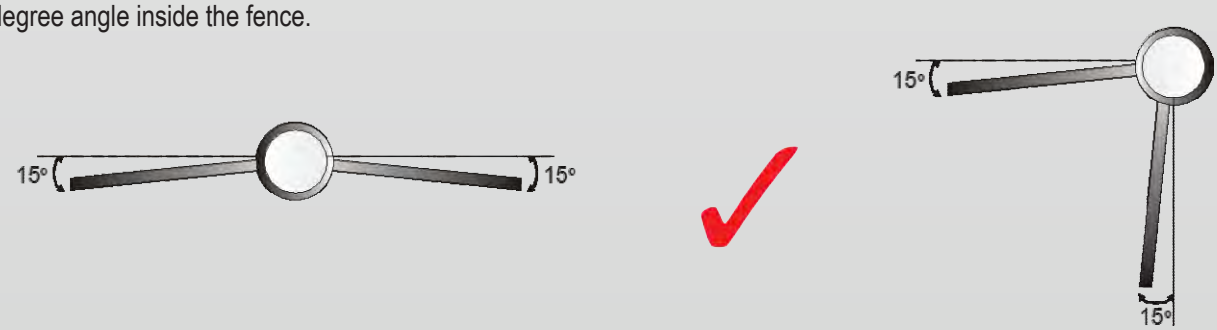
The advantage of the concrete base is that the tension is spread over a greater area and is directly transmitted to undistributed soil at the sides of the hole.

Straining Corner Posts

- All strain posts on an electric fence need a stay post on the sides from which wire is to be tensioned.
- Stay posts must always be inside the boundary to prevent the stay being used as a ladder.
- Traditionally, stay posts are placed at 180 degrees or 90 degrees to the strain post.



- With electric fencing, due to the live wires being tensioned off the strain post, the stay pole needs to be positioned at about a 15 degree angle inside the fence.

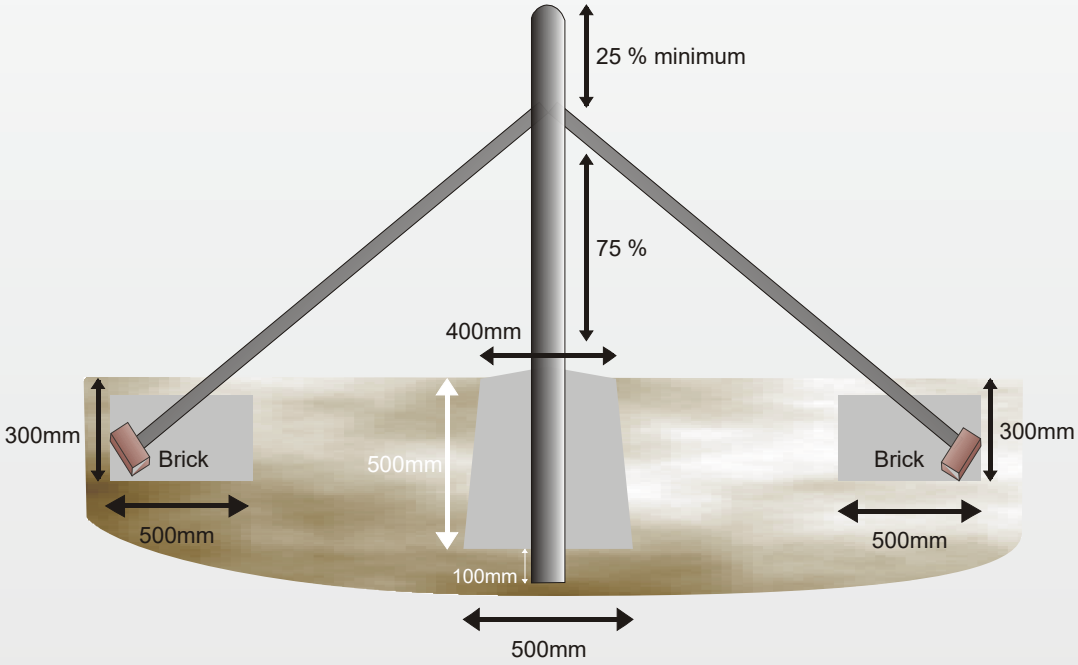


Straining Corner Posts (Continued)

- The stay should be positioned at least 25 percent of the distance from the top of the pole towards the ground. If higher, it will cause the wires to pull the post out of the ground.
- A brick or stone can be used as a brace for the stay posts when concreting it into the ground.







Stafix Security Centres provide ex-stock galvanized 95mm x 2mm steel posts pre-drilled for your convenience with S-hook holes at 10cm intervals. The posts are provided in two designs, one for corners and one for straining in a straight line.



Corner Post
The corner posts have S-hook holes drilled at 90 degrees in order to take the corner.

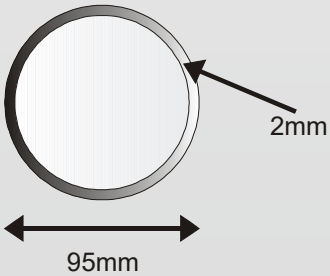
Y023PD - 2.4m Double Hole
Y024PD - 3m Double Hole



Intermediate Post
The intermediate straight line, straining posts have larger holes drilled only on one side of the post, to take two S-hooks.

Y023P - 2.4m Single Hole
Y024P - 3m Single Hole

The stronger the post, the better. It is not recommended to use a post thinner than 95 x 2mm for a full security fence. 50mm x 2mm posts are the minimum size recommended to be used as stay posts.



The galvanized posts will last much longer as the zinc withstands corrosion better than steel, forming a protective layer around the steel.

JVA COASTAL RANGE OF PLASTIC BRACKETS



The JVA R&D team has solved one of the worst problems faced by home owners in coastal areas. Salt deposits on electric fences can lead to arcing and false alarms, not to mention rusting and failure of metal fittings. The solution is our new range of extruded and moulded plastic brackets.

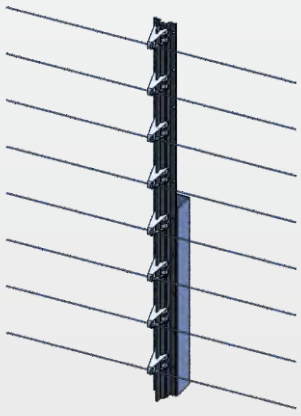
These state-of-the art extruded profile brackets can be used to reinforce palisade and are ideal for matching and reinforcing modern welded mesh ClearVu type fencing. The insulators clip into place easily
and can be used with a variety of wiring configurations.

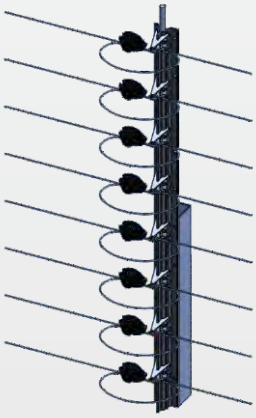




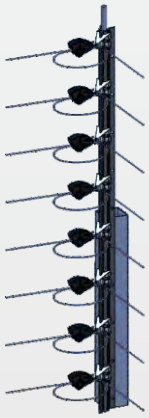
For more information on our Nylon Polymer Range visit our website for the full COASTAL BROCHURE

JVA Extruded Profile Standards





CODES: ALP4 – ALP30



CODES: ALP4C – ALP30C



JVA EPX Intermediate Profile

This bracket can be used as an intermediate post with the N902 Intermediate Insulator and N908 Pin fitted. It can also be used as a straining post in conjunction with N902S Strain Insulators and N908 Pins. When used as a strain post, it is recommended that the post be reinforced with one meter lengths of 10mm 304 grade, stainless steel inserts to strengthen the post further when under tension.
Available in: 4,6,8,10,18,21,24 and 30 wire spacings.

JVA EPX Corner 90° Profile

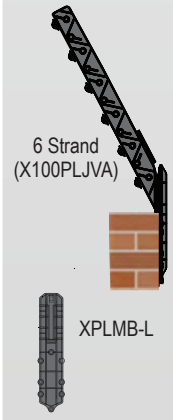
This bracket, used in conjunction with the N902 Corner Strain Insulator, is the ideal straining point for the inside of a 90° corner of a conventional, square-tube fence post.
The post can be further reinforced with 1m x 10mm lengths of 304 grade, stainless steel rod.
Available in: 4,6,8,10,18,21,24 and 30 wire spacings.



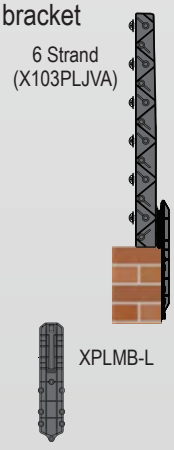
Available in Strands:

	5	6	7	8	9	10
Option 1		x	x	x		x
Option 2	x	x	x		x	
Option 3		x	x	x		x
Option 4		x	x	x		x
Option 5		x	x	x		x

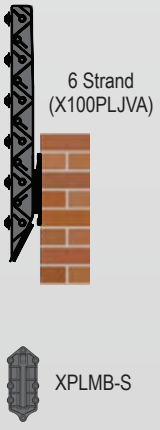
Option 1
Mounted angled on the inside of a wall using the reverse mount bracket



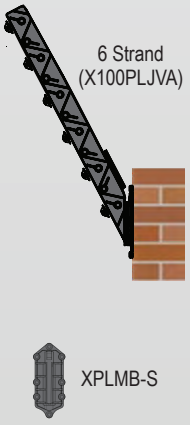
Option 2
Mounted vertically on the inside of a wall using the reverse mount bracket



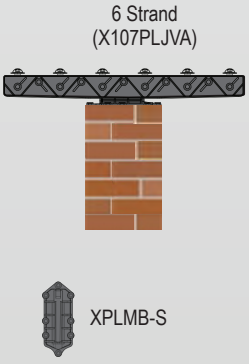
Option 3
Mounted vertically on the outside of a wall using the small bracket



Option 4
Mounted angled on the outside of a wall using the small bracket



Option 5
Mounted horizontally on the top of a wall using the small bracket

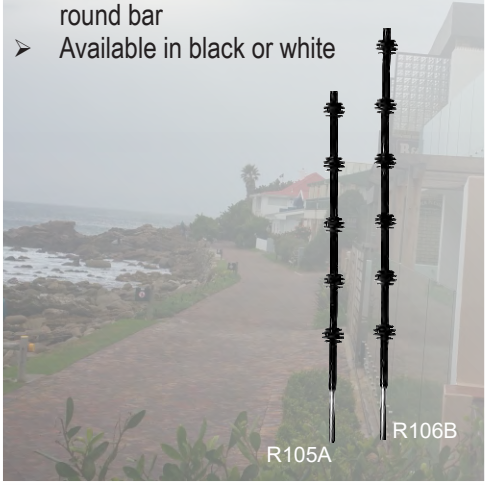


WALL-TOP BRACKETS & STAYS

Stafix Security Centres has a well-equipped, steel fabrication factory and powder-coating plant. These facilities enable us to, quickly and economically, manufacture our standard, or custom-designed, wall-top brackets. Wall-top brackets can be either hot-dipped galvanized or powder-coated, depending on a customer's requirements. Stafix Electric Fence and Security Centres can also custom manufacture aluminum or stainless steel wall-top brackets. Customized orders require approximately seven working days for completion. All Stafix Electric Fence and Security Centres hold a wide variety of wall-top fencing brackets in stock at all times.

5 & 6 Wire PVC Round Bar

- 10mm PVC coated, electro galvanized round bar
- Available in black or white



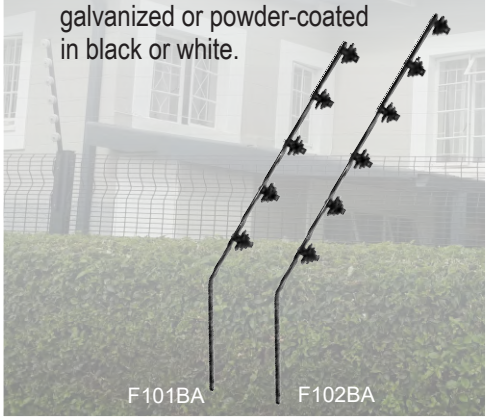
5 & 6 Wire Round Bar

- 10mm HD galvanized or powder-coated round bar
- Fitted with 5 or 6 bobbin insulators
- Very economical and easy to fit



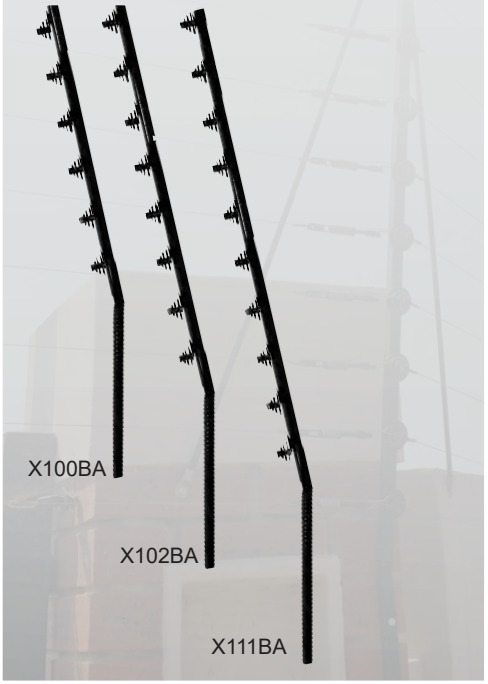
5 & 6 Wire Flat Bar

- 20mm x 5mm flat bar, wall-top brackets
- Available straight or angled, HD galvanized or powder-coated in black or white.



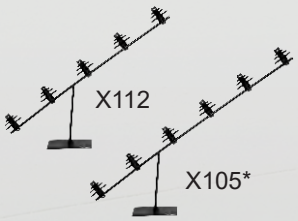
6, 8 & 10 Wire Square Tube

- 20mm square tube wall-top brackets for the more quality-conscious installer
- Brackets can be fitted with black or white Pop-Em, Flat-Bar, or Nail-On insulators
- Can be straight or angled, HD galvanized or powder-coated



5 & 6 Wire Profile Bracket

- For use on flat-topped walls
- Angled profile for added security
- Bracket is fitted with base plate for secure attachment to the wall
- Available in black or white, powder-coated or HD galvanized



5 & 6 Wire T-Bracket

- Ideal for an unobtrusive fence on top of a high wall
- Available in black or white, powder-coated or HD galvanized



Lug and Stay Clamp

- This lug is fitted to one end of a stay to facilitate attaching the stay to a wall
- The stay clamp is used to attach the top of the stay to a round bar bracket



600mm & 750mm Stays

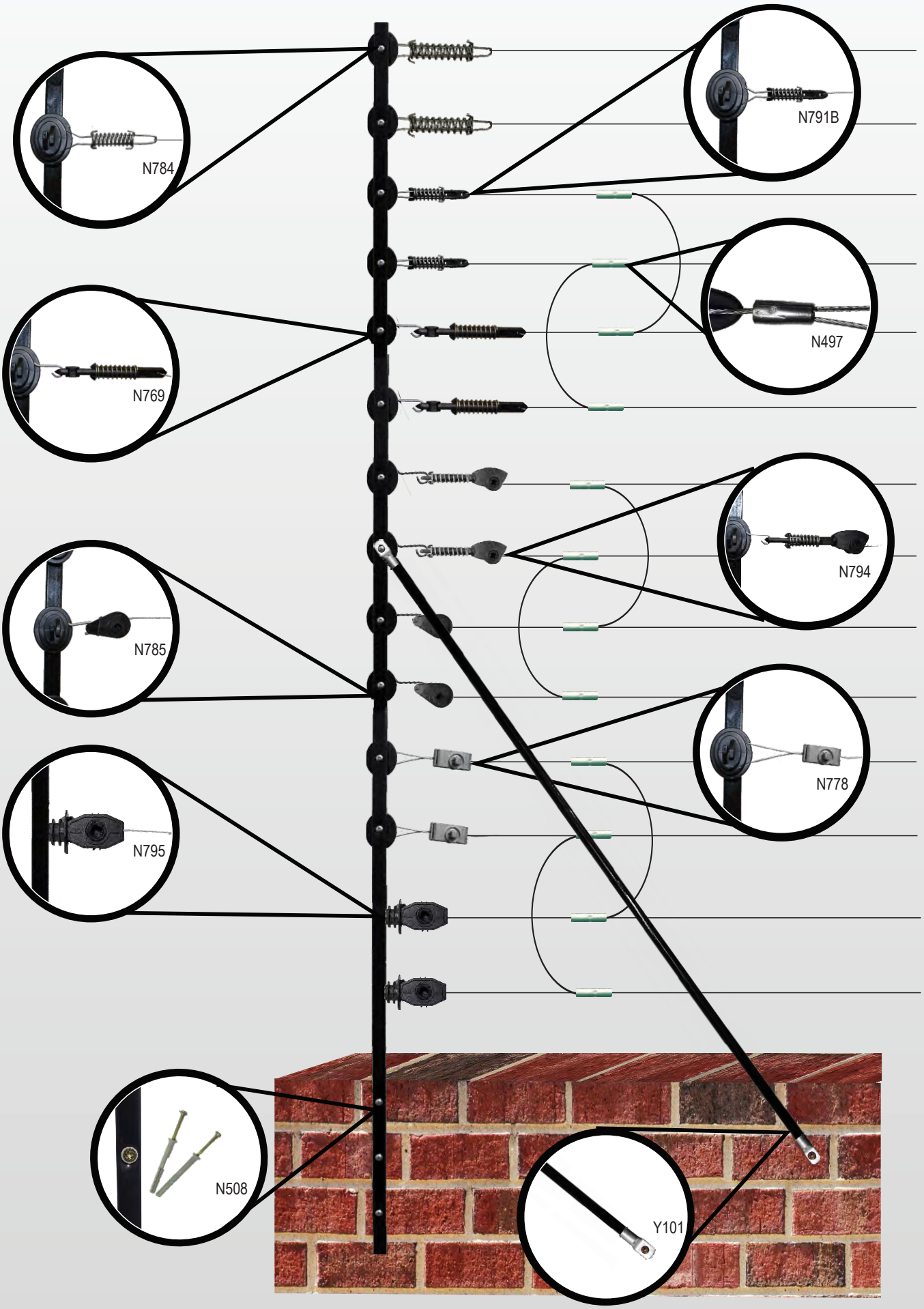
- 8mm round bar stays are used to stabilize, strain and corner round bar, wall-top brackets
- The stay can be supplied as is, or with a lug welded onto it
- Available in HD galvanized or Powder-coated in black or white.



6, 8 & 10 Wire Upside Down Square Tube

- 20mm square tube wall-top brackets for the more quality-conscious installer
- Brackets can be fitted with black or white Pop-Em, Flat-Bar, or Nail-On insulators
- Upside down HD galvanized or powder-coated

OPTIONS AVAILABLE TO STRAIN A WALL-TOP FENCE



ACCESSORIES

Strain Insulators



N679

Plastic Jumbo Strain
(UV stabilized plastic)



N678

Jumbo Strain Security
(Hardened plastic for higher tensioning)



N681

GFT Strain
(Glass fibre, DMC fire resistant)



N676

Porcelain Bullnose Strain
(Fire-proof)

Intermediate Insulators



N671

Plastic 10mm Round Bar Bobbin
(UV stabilized plastic)



N683A

Gate Strain and Combi Bobbin
(UV stabilized plastic)



N687

Porcelain Bobbin
(Fire-proof)



N686
N685

Large and Small GFT Bobbin
(Glass fibre, DMC Fire resistant)



N697

4mm Insulator
(UV stabilized plastic)



N690

Y-Standard
Suited for ISCOR Y-standards



N690JVA

JVA Y-Standard
Suited for JVA Rolled Profiles



N690TB

Y-Standard Thin Back Type
Suited for JVA Y-standards



N689B

20mm Anti-Twist Flat Bar Bobbin
(UV stabilized plastic)



N688

Screw-On Insulator
(UV stabilized plastic)



N695

JVA 3-Way Profile Spacer
UV Stabilized Plastic



N673RT

Wide Clip Nail-On
Suitable for 8mm Polirope and 12mm Tape



N673E

Export Nail-On
(UV stabilized plastic)



N673

Nail-On
(UV stabilized plastic)



N521

GFT Buzz Bar
(UV stabilized plastic)



N690AUS-PIN

Double Pin Lock
(UV stabilized plastic)



N691-2P (50mm)

HD Pop-Em 25 —55mm
(UV stabilized plastic)



N691

Pop-Em 19 —25mm
(UV stabilized plastic)



N698S-SL

N698SL

Ring Insulator LD



N698S

N698

Ring Insulator HD

(Wall-mount or square tube mount screws supplied separately)

ACCESSORIES

Free-Standing Fence Wire Tensioners

(1.6mm – 2.24mm wire)



N770P
N775PL (SS)

Plastic Combi
(Hot-dipped galvanized or 304 stainless steel)



N775 (SS)
N771(Galv)

GFT
(Hot-dipped galvanized or 304 stainless steel)



N775P (SS)
N771P (Galv)

Porcelain Combi
(Hot-dipped galvanized or 304 stainless steel)



N786

Maxi Tweaker
(Strong, nylon quad securing tensioner 1.6mm – 2.2mm wire)



N760

Atlas
(Hot-dipped galvanized)



N797

Midi-Hook Tensioner
(Nylon 1mm – 1.6mm wire)



N795

Midi Tweaker
(Nylon flush-mount for walls and square tube)



N786S

Samson Maxi
(1.6 – 3mm)



N794SL

Samson Combo
(1.6 – 2.4mm)

Wall-Top Tensioners



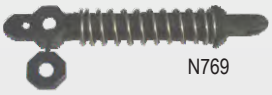
N791B

Security Spring
(nylon/steel)



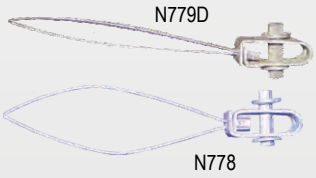
N784

Security Spring
(304 stainless steel)



N769

Compression Nylon Spring
(304 stainless steel)



N779D
N778

Mini Donza
(Galvanized or 304 stainless steel)



N794S

Samson Mini Combo
(1-1.6mm wire)



N794

Mini Tweaker Combo
(304 stainless steel and nylon)



N785

JVA Mini Nylon Tweaker
(Ideal for coastal installations)



N798

Tweaker Tool
(Nylon multi-tool)

S-hooks



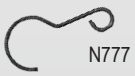
N780

Combi & Jumbo Strain S-Hook
(6mm hot-dipped galvanizedl)



N781

Combi & Jumbo Strain S-Hook
(6mm stainless steel)



N777

Spring Hook
(2.5mm 304 stainless steel)



N790

Mini Tweaker S-Hook
(3mm 304 stainless steel)



N788

Maxi Tweaker S-hook
(4mm)



N780-INLINE

Inline S-hook



N788S

Samson Maxi S-hook



N780A

Mini S-hook

Line Clamps

Ensure good electrical connections



N499

Ferrule
(4mm)



N500

Ferrule
(6mm)



N4971

Ferrule
(10mm)



N721S

Mini
(Mech Galv)



N740

Standard
(Hot-dipped)



N742HDG

U-Bolt
(Hot-dipped)

ACCESSORIES

Fencing Wire



N735
1.2m - 135m/Kg

Braided Wire
High tensile, low resistance
Available in 1.2mm, 1.5mm and
2mm galvanized, stainless steel
or aluminium



N751 - 1.65mm x 1000m
N752 - 2mm x 1000m
N753 - 1.2mm x 2000m

Aluminium Wire
Low resistance
Available in 1 000m
rolls in 1.6mm,
2.0mm and 2.5mm



N736
Grades 1 mm – 157m/kg

Stainless Steel Wire
Available in 1mm to 3mm
in 304 and 316 grades
1mm — 157m/kg



N737
N738

High Strain Steel Wire
Full range available in light
or double galvanized
2.24mm 50kg 1 650m
2.00mm 50kg 2 000m

Under-Gate Cable



N734S - 50m
N730S - 100m
N733S - 200m
N732S 1000m

HT Cable Soft, Slimline
For Wall-Top applications
Available in 50m, 100m,
200m and 1 000m



N734H - 50m
N730H - 100m
N733H - 200m
N732H - 1000m

HT Cable – Hard
For Free-Standing applications
Available in 50m, 100m,
200m and 1 000m



N734L - 50m
N730L - 100m
N733L - 200m
N732L - 1000m

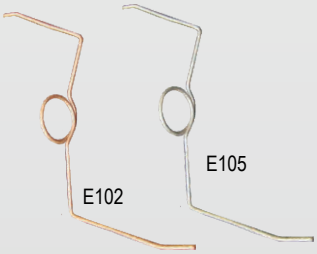
HT Cable Aluminium
Low resistance for long lead outs
Available in 50m, 100m
200m and 1 000m

Earth Loops (Triggers alarm if fence wires are separated)



E108

Bi-Polar Security Series
Monitor Loop
Allows for earth and live
monitoring or Bi-Polar monitoring



E102
E105

Intermediate Earth Loop
304 stainless steel or
4mm fully galvanized



E107
E105W

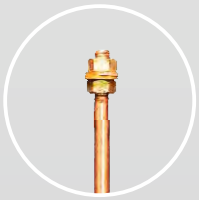
Ground or Wall-Mounted
Earth Loop
304 stainless steel or
4mm fully galvanized

Earth Spikes



E103 - 1.2m
E101 - 1.5m

Reinforced Bar
with Clamp
120cm/150cm
Hot-Dipped galvanized



E109

Copper Coated
Earth Stake
with Clamp
120cm copper-coated



E103-12M-COC

COC Compliant
Protected Earth Stake
with clamp
120cm Hot-Dipped galvanized



E112

Earth Spike
Enclosure Box
Ground mount
IEC Compliant

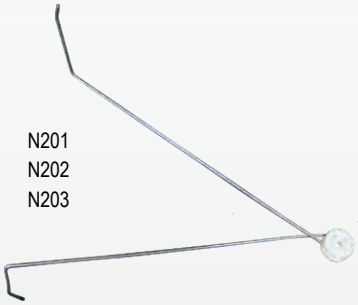


E112B

Earth Spike
Enclosure Head
Concrete mount
IEC Compliant

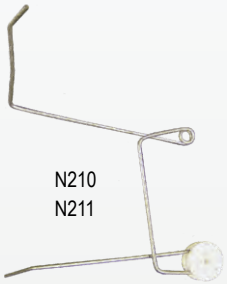
ACCESSORIES

Off-Set Brackets



N201
N202
N203

Single Offset
Available in 225mm, 350mm and 450mm lengths. Also available in 225mm offset to take a Nail-On insulator



N210
N211

Double Offset
Available in 225mm and 350mm lengths



N212
N215 - 225mm
N217 - 380mm

Triple Offset
Available in 150mm/225mm angled or 225mm and 350mm straight



N210PS



N210PD

5mm Live Tip Pigtail Offset
Available in single/double to fit y-standard or wood post

Warning Devices



N704

Flashing Fence Lights



N352

Strobe Light



N350ST

12V Energizer Flashing Light



N527

Siren
10w/15w
12V DC

Customized Signs



N699

Light Duty Wall-Top Warning Sign
UV stabilized with double clips



N701

Heavy Duty Free-Standing Warning Sign
UV stabilized with double clips



N701G

Large Game Warning Sign
UV stabilized with double clips

Batteries

We stock a wide variety of Battery Types and sizes from small remote batteries to large 200 Amp Hour plus lithium Batteries.



AA – B9



AA-B1.3



AA-B2



AA – B7

AA-B35

Lead Acid Batteries



AA-B17



AA-B9G

AA-B7G

Gel Batteries



AA – 56



AA-BL8AH-HD

AA-BL8AH-SD

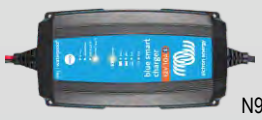
Lithium Batteries



AA – 96

Deep Cycle Batteries

Power Supplies



Blue Smart IP64 Victron Charger

N921



N513SA3PIN

Plug-In Transformer



Battery Charger Smart 15 12V

N536

UPS Inverter Box
Capacity : 2400 VA / 1440W
Voltage Regulation: 24VDC / 230 VAC
Space for 2 x 105Amp Bateries



N850

The Law and Electric Fencing

The laws relating to the supply and erection of electric fencing in South Africa are stipulated in the following documents:

- The Department of Labour's Occupational Health and Safety Act 1993
- The South African National Standard – SANS 60335-2-76:2006 (This relates to manufacture of energizers.)
- The South African National Standard – SANS 10222-3:2023 Edition 5.1 (This relates to required erection standards.)

The above OHS Act stipulates that, any electric security fence, erected after December 2012, requires a *Certificate of Compliance* issued by a registered electric fence installer. A registered installer is one who is in possession of a *Certificate of Competence* and who is registered with the Department of Labour.

The Following are Some of the Most Important Safety Features Required by the Regulations:

- The Energizer must have a valid *Certificate of Compliance* proving that it complies with SANS 60335-2-76
- The Energizer must have a valid *Letter of Authority* (LOA) issued by the National Registrar
- The barrier fence must be 1.2m high and 1 dimension of opening not greater than 150m
- An electric fence erected with the lowest live wire strand at a minimum height of 1 500 mm above walking or ground level (or both) and that borders on an electric fence powered by a separate energizer, shall be erected a minimum distance of 100 mm from that electric fence
- You may not electrify barbed or razor wire
- In an urban area, you may not use an energizer that exceeds 8 Joules under any load condition
- A free-standing, electric security fence, in an urban area, must be behind a barrier fence
- The distance of a barrier fence from the electric fence must be less than 200mm or greater than 1m
- The energizer must have at least 3 x 1.2m x 10mm earth electrodes near the energizer
- Electric security fences or domestic pet control fences (or both) must have earth electrodes inserted at a maximum distance of 30m apart, measured from the energizer or fence connection point
- Game, strip grazing and general agricultural electric fence systems must have earth electrodes inserted at a maximum distance of 100m apart, measured from the energizer or fence connection point
- The minimum height of a physical barrier can be reduced to 1200mm provided that the physical barrier is erected more than 1,5m from the electric fence
- Do not install more than one energizer on a fence unless, in the case of a security installation, the energizers are synchronized
- Warning signs must be spaced at 10m intervals in urban areas and 100m in rural areas
- Warning signs must be placed between 1.5m and 2m above ground level
- Lightning diverters must be installed on both output and return wires
- All joints must be line clamped or soldered
- Live wires must not be housed in the same trunking as communication cables (CCTV, video, intercom, etc.)
- Finally, any property with an electric security fence around it, has to be sold with a *Certificate of Compliance* which is less than two years old.

Note: *These are just some of the regulations contained in the standards. For full specifications, copies of the Act and SANS documents should be consulted.*





COC001

GATE AUTOMATION



CE-D3SMARTPLUS CE-D4SMARTPLUS CE-D5EVOSMARTPLUS CE-D6SMARTPLUS CE-D10TSMARTPLUS CE-D10SMARTPLUS CE-D20SMARTPLUS

D3 SMΔRT+	D4 SMΔRT+	D5 SMΔRT+	D6 SMΔRT+	D10 Turbo SMΔRT+	D10 SMΔRT+	D20 SMΔRT+
24m per minute	28m per minute	24m per minute	35m per minute	43m per minute	24 Metres per minute	18 Metres per minute
300Kg Max Gate Weight	450Kg Max Gate Weight	500Kg Max Gate Weight	600Kg Max Gate Weight	250Kg Max Gate Weight	1000Kg Max Gate Weight	2000Kg Max Gate Weight
75k Life Cycle	75k Life Cycle	150k Life Cycle	200k Life Cycle	250k Life Cycle	250k Life Cycle	250k Life Cycle
1500 Remote Storage	1500 Remote Storage	1500 Remote Storage	1500 Remote Storage	1500 Remote Storage	1500 Remote Storage	1500 Remote Storage



CE-DX24VPPVOO



SN/1 SN/2 SN/4

Gate Mate

- Ideal for areas where gates are operating in dusty or sandy conditions
- Ensures that the track remains clear



MS001

24V SMART Power Pack

Powering unwavering performance for high-volume sites, with the capability of running a rated gate directly from mains, and the added security, flexibility and peace of mind of optional battery backup. This game-changer is the perfect power solution for those busy sites with heavy traffic volumes, as well as being a great fit for installations where the power grid is stable.

Nova Transmitters

- Durable silicone buttons made to last and last
- Sleek and stylish carbon look
- 433Mhz operating frequency
- Transmitters with one to four buttons
- Transmitter quick and easy to open for battery replacement
- Weatherproof housing for receiver



CE - ATB

Sliding Gate Rack Options

Steel Rack

10mm Steel Rack available in 2m lengths to be welded onto sliding gates

Nylon Rack

The 2m lengths of nylon sectional racking is supplied attached to electro-plated or hot-dipped galvanized angle-iron. The angle-iron is then attached to the gate with tek screws.

Razz Rack

The solid nylon Razz Rack is supplied in 50cm lengths. The rack clips together and is attached to the gate with tek screws. It is ideal for coastal regions.



RA-10



RA-NY



RAZ

Theft Deterrent Bracket

All Stafix Electric Fence and Security Centres carry a wide range of hot-dipped galvanized and stainless steel Theft Deterrent Brackets for the full range of Centurion sliding gate motors.



D3/D5evo
CE-D3SATB

D6
CE-SATBD6

D10/D20
CE-SATBD10



GATE & GARAGE DOOR AUTOMATION

Centurion Systems is committed to providing reliable, cost effective solutions in the field of access automation. Centurion is continually updating its products in line with world trends to ensure customer satisfaction. Centurion is an ISO 9001 registered company.

SDO5 SMΔRT

The SDO5 SMΔRT+ brings SMΔRT + remote access to your garage door motor, built for garage doors where reliable daily access and SMΔRTer control matter. Control your garage door from anywhere in the world.

The **SDO5 SMΔRT+ T10** is ideal for:
- Standard domestic garage doors
- Tip-up or sectional garage door configurations

The **SDO5 SMΔRT+ T12** is ideal for:
- Larger and heavier garage doors
- Residential installations requiring high-power automation
- Projects demanding extra control and functionality thanks to an included Wireless Wall Pendant
- Tip-up and sectional garage door configurations



CE-SDO5ACT10V0 *(Head only)*
CE-SD05ACT12V0 *(Head only)*

RDO Digital

The RDO DIGITAL Garage Door Motor is designed to provide effortless automation, enhanced security, and reliable performance for your roll-up garage door.

Whether you want smooth, quiet operation or the peace of mind of knowing your garage will function during power outages, the RDO DIGITAL delivers a modern, convenient solution for your home.



CE-RDODIGI

VANTAGE SMΔRT

For homeowners, residential spaces and businesses alike, the VANTAGE SMΔRT swing gate motor delivers unmatched performance, reliability, and convenience. With smooth and quiet operation, smart integration with your mobile device, and durable construction built to last, it's the ideal choice for anyone seeking a stylish, dependable, and intelligent swing gate automation solution.

The VANTAGE SMΔRT is available in three powerful models, with actuator strokes of 300mm, 400mm, and 500mm, respectively, making it the perfect solution for most domestic and commercial applications.



300 CE-VA3
400 CE-VA4
500 CE-VA5

CENTURION



CE-GSPEAK-GST-1BUTT
CE-GSPEAK-GST-2BUTT
CE-GSPEAK-GST-4BUTT

Metal Gate Station

- Answer your intercom from anywhere, using your cellular device
- Improved tamper protection
- No messy and expensive wiring
- 1, 2 or 4 call buttons with the ability to add two numbers per button and Time Barring configurable per button
- Backlit button (s)



IR-CENT

Wired Gate Beams

- Operating range of 40m
- Self-aligning
- Ideal as a safety device for gates and garage doors



CE-GULTGSM4G-REPL

Centurion G-Switch Ultra

- Mobile-based access control
- Internal GSM antenna
- Easy access to diagnostics
- Intelligent monitoring of gate status
- Access number profiles



IR-CENTW

Infrared Wireless Gate Beams

- Operating range of 40m
- Self-aligning
- Ideal as a safety device for gates and garage doors



CE-GPEAK-CTR-4G

G-Speak Cellular Intercom

- GSM Based Gate Station
- Open your gate from anywhere in the world
- Controls and monitors
- Easy and secure setup
- Easy access to diagnostics
- Intelligent monitoring gate status



IR-CENTWS

SMART Photon Infrared Gate Beams

- Connects wirelessly to your SMART solution – saves time and money
- Pair and align in seconds
- Beautifully styled – adds an air of sophistication to your gate
- Up to 2 years of battery life
- Long range
- Fully sealed – prevents insect ingress

GATE & GARAGE DOOR AUTOMATION



Nice Motor Range

E.T. Systems specialize in the design, manufacture and supply of high-quality automation equipment such as sliding gate motors, tip-up doors, swing-gate motors, and accessories such as remotes, loop detectors and gateway beams.

For more information on our Nice Range visit our website for the full AUTOMATION BROCHURE



Drive 300
Features:
- Cost Effective residential sliding gate automation
- Tough DC Motor with removable brushes for easy maintenance
- LED Display for easy programming and diagnostics
- Gate safety beam tamper alarm monitoring
- Electronic locking of motor unit with remote control for added security
- ET-Blu Mix® enhanced rolling code receiver on board.



Drive 500/600
Features:
- Proven robust and reliable residential slide gate automation
- High Speed Motor with removable brushes
- Advanced Electronics with large back-lit display
- Gate and beam tamper alarm monitoring
- Pin code lockable programming
- ET-Blu Mix enhanced rolling code receiver on board.



Drive 1000
Features:
- Heavy duty robust design for high-traffic industrial sliding gate automation
- Proven Power Pack operation with true battery backup
- High speed motor with intelligent control
- Advanced Electronics with large back-lit display for easy programming, diagnostics and fault reporting
- Designed to house up to two 24V 3.5Ah batteries for extra internal battery backup
- Gate and beam tamper alarm monitoring
- ET-Blu Mix® enhanced rolling code receiver on board.

DC Blue Advanced Roll-Up
Features:
- Cost effective residential roll-up door operator
- Reliable operation through advanced door load profiling
- No physical limit switches to setup
- A separate control box
- True battery back-up (operator not battery dependant)
- Bright LED courtesy light.



DC Blue Advanced Pico
Features:
- Robust construction with metal chasis and gears
- Reliable and proven dc blue advanced technology
- Intelligent door load profiling for added safety and control
- Simple to program and fault find with 7-segment LED display.



Stafix Electric Fence and Security Centres stock a range of powder-coated, hot-dipped galvanized or Stainless Steel Goosenecks and Rain Shields.



Proximity Controllers and Tags

A full range of proximity controllers, door tags and access cards are available on order. These systems cater for simple, single-door, stand-alone operators right through to computer-interfaced systems.

BIOMETRIC READERS AND ACCESS CONTROL

ZKTECO Range

Stafix distributes the ZKTeco Range of access control solutions. These access control appliances can be stand-alone or integrate with third party panels and systems. The solutions can be used for homes, Bed & Breakfast accommodation, hotels, industrial, office sites or any other area where access needs to be controlled and monitored.

For more information on our Biometric Readers Range visit our website for the full BROCHURE





ZK-X7
Stand-alone terminal



ZK-F16 / ZK-F17
IP65 rated outdoor fingerprint access control terminal up to 8 000 fingerprints available



ZK-MA-300BT
Metallic casing outdoor access control terminal



ZK-SF100
IP Based fingerprint access control & time attendance

NDLOVU LOCKS

Stafix offers a wide range of Magnetic Locks, Strike Locks and Z-Brackets. These can be connected to your keypad or tag reader for the perfect access control system.

For more information on our Electric Locks Range visit our website for the full BROCHURE





Electro Magnetic Locks

- 180Kgs with optional Z, L or U Bracket
- 280Kgs with optional Z, L or U Bracket
- 500Kgs with optional Z, L or U Bracket



Electric Striker Locks



CISA Striker Locks

WI-FI NETWORK AND COMMUNICATION

Stafix offers a wide range of Wi-Fi Network and communication devices.
We are the distributers of the Todaair range that gives easy-to-use dip switch matchable links to conveniently create a Wi-Fi network for access control equipment.

For more information on our Wireless Networking Range visit our website for the full BROCHURE



TODAAIR®



TA-DIP205-H
1km
5.8 Ghz
Wireless Network
AP/CPE
2 Units in box



TA-DIP1526-H
3km
5.8 Ghz
Wireless Network
AP/CPE



TA-DIP3510-H
5km
5.8 Ghz
Wireless Network
AP/CPE



DIP Switch settings
No complicated setup interface: by changing DIP switch positions transmission parameters are automatically matched



IDS Alarm Systems

The IDS is a fully-featured security system that provides immediate notification of burglary, fire, medical & panic conditions. It is designed for easy operation, yet provides maximum protection for you, your family and your business. Most features are optional and may be programmed either directly through the keypad or via the telephone system by using the IDS download software and appropriate modem.

For more information on our Alarm System Range visit our website for the full IDS BROCHURE



IDS-806



IDS-X64

IDS 806 Kit – 8 Zones

- 8 Zones – non expandable
- Dual onboard power supply
- An all-new operating system
- Easier to program than ever before
- Bigger installations mean lower cost per zone

IDS806 Kit consists of the following:
1 x 806 LED Keypad
1 x 806 Alarm control panel
1 x 806 24V DC PSU 1.5a
1 x 15W Siren
1 x IDS 12V 7AH Battery
2 x IDS Magnetic Switches (White)
2 x Panic Button Fixed (Glow in the dark)
2 x Optex Wired Indoor PIR





IDS X64 – 8 to 64 Zone Expandable Kit

- Incredible expansion ability from 8 to 64 zones
- Additional panic zone
- Separate box tamper zone
- Additional output on key
- Automatic arming
- 3 quick alarm modes
- Event log
- Night-, chime- and buzz-zone selectable
- Dual and split reporting
- False alarm reduction features
- Panel firmware upgradable via serial data cable

IDS/HYYP add on module for app control

- Video verification when using Dahua CCTV
- Arm/Disarm User
- Bypass
- Push Notifications



IDS Onyyx Wireless Hub

- Devices – Up to 20 wireless bi-directional devices
- Areas – Up to 4 independently controlled areas
- User control – Via App or remote keyfob
- Control room monitoring through hyyp.
- Device enrolment – Via QR code scanning
- System configuration – Via mobile App
- Mobile requirements – Android 5.0, iOS 11 (or later)
- Hub indicators – Built-in sounder + 3 LEDs
- (status, connection, power)
- Wi-Fi – 2.4GHz
- Cellular – Dual sim, LTE (4G) / 2G fallback

ALARM SYSTEMS

AJAX



AJAX Hub 2 Plus

Features:

- 200 connected devices \ 100 cameras and DVRs
- 200 users
- 50 rooms \ 25 security groups
- 4 independent communication channels including LTE
- 5 connected ReX
- 64 scenarios
- 15 operation on backup battery
- Automatic software update.



Ajax Motion Cam Outdoor Passive

Features:

- Ajax Alarm System Motion Cam Outdoor Passive
- Wireless motion detector with photo camera that notifies owner of first signs of intrusion
- MotionCam Outdoor can't be disabled even when the system is disarmed
- Compatibility: Operates only with Hub 2 & Hub 2 Plus
- Up to 3 years of battery life.



Ajax Motion Protect Indoor Passive

Features:

- Ajax Alarm System Motion Protect Indoor Passive
- Wireless motion detector that notifies owner of first signs of intrusion
- Compatibility: Operates with Hub, Hub Plus, Hub 2 & Hub 2 Plus
- Up to 5 years of battery life (as a result of using the battery only once the alarm system is armed)
- Motion Detect Distance: up to 12m.

PARADOX



Paradox NV780

Paradox NV780MR Wireless provides a pre-entry protection solution while keeping the perimeter free from movement, designed to protect exterior/interior walls and doors or windows.

Features:

- Dual side anti-masking – IR detection
- Pet Immunity capability, up to 40 kg
- 4-dual element sensors arrangement
- Combination optics – mirror and Fresnel Lens for optimal sharp
- Single or Dual operation modes
- Optical and digital range adjustments.



Paradox NV5 PET

The NV5 represents state of the art technology with the most advanced and innovative digital infrared detector of its class.

Features:

- Infrared motion detector
- 102° viewing angle
- Pet Immunity up to 16 kg
- Digitally equalized temperature compensation
- Sensitivity trimmer adjustment with five range levels and LED feedback
- Miniature yet easy to install with no PCB removal or adjustment.



Paradox MG5050

Paradox MG5050 is a 32-zone hybrid control panel used for residential alarm systems.

Features:

- App-based system control via BlueEye
- 2 serial outputs master/slave
- 4-wire communication bus
- Built-in transceiver (available in 433 MHz or 868 MHZ)
- 8 On-board Wired Zones
- Menu-driven programming for the Installer, Master and Maintenance codes
- Calendar with Daylight Savings Time
- Supports IP and cellular IP reporting.

Fully Integrated JVA Perimeter Patrol and Dahua CCTV System Solutions

This advanced integration between JVA Perimeter Patrol Electric Fence Monitoring Software and Dahua CCTV systems has been developed to improve reaction time for real time breaches in security perimeter protection. This advanced integration creates a powerful and responsive perimeter security solution that combines physical deterrents with intelligent video surveillance. JVA's Perimeter Patrol Software is trusted globally for monitoring electric security fences. Now, when linked with Dahua CCTV, it forms a dynamic security network capable of: Instant Breach Detection, Live Video Feed Activation, Zone-Based Surveillance and Faster Guard Response.

How It Works

Physical Barrier Detection – The JVA electric fence acts as the first line of defence, detecting any disturbance or attempted intrusion along the electric fence system. Upon zone detection along the fence line, an alarm is instantly sent to the JVA Perimeter Patrol software in the control room via TCP/IP protocol. The site map within the control room indicates visually the zone that has gone into alarm.
Automatic CCTV Activation – Dahua CCTV cameras assigned to the electric fence zone immediately 'pops up' on the JVA Perimeter Patrol software, where the operators on-site can activate the pop up alarm and can live view the triggered electric fence zone.
Rapid Response – With live footage and zone information, on-site security teams can be dispatched faster, with full situational awareness to respond effectively.

Integration Benefits

Reduced Reaction Time – Instant visual verification of intrusions improves the speed and accuracy of security responses.
Unified Interface – Manage electric fence alarms and video surveillance from a centralized platform in the control room.
Increased Deterrence – Combining visible fencing and camera systems deters potential intruders before they act.

Overview

- Communication Protocol: TCP/IP
- Compatible Systems: JVA Perimeter Patrol Software & Dahua CCTV Cameras
- Event Mapping: Fence zone triggers mapped to corresponding CCTV camera
- Live View & Playback: Pop-up of live camera feeds and access to recorded footage for incident reports





CCTV Products

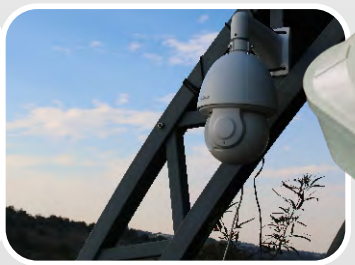
Stafix Security Centres import a comprehensive range of CCTV cameras and accessories designed for diverse applications, from residential and agricultural environments to large- and small-scale business operations.

These systems provide reliable perimeter protection and allow for real-time monitoring, either on-site or remotely via mobile devices or an offsite control room. Solutions range from basic cameras reporting to a TV, to fully integrated DVR and NVR systems offering both proactive surveillance and general overview capabilities.

JVA Plastic water proof mounting box used for cameras

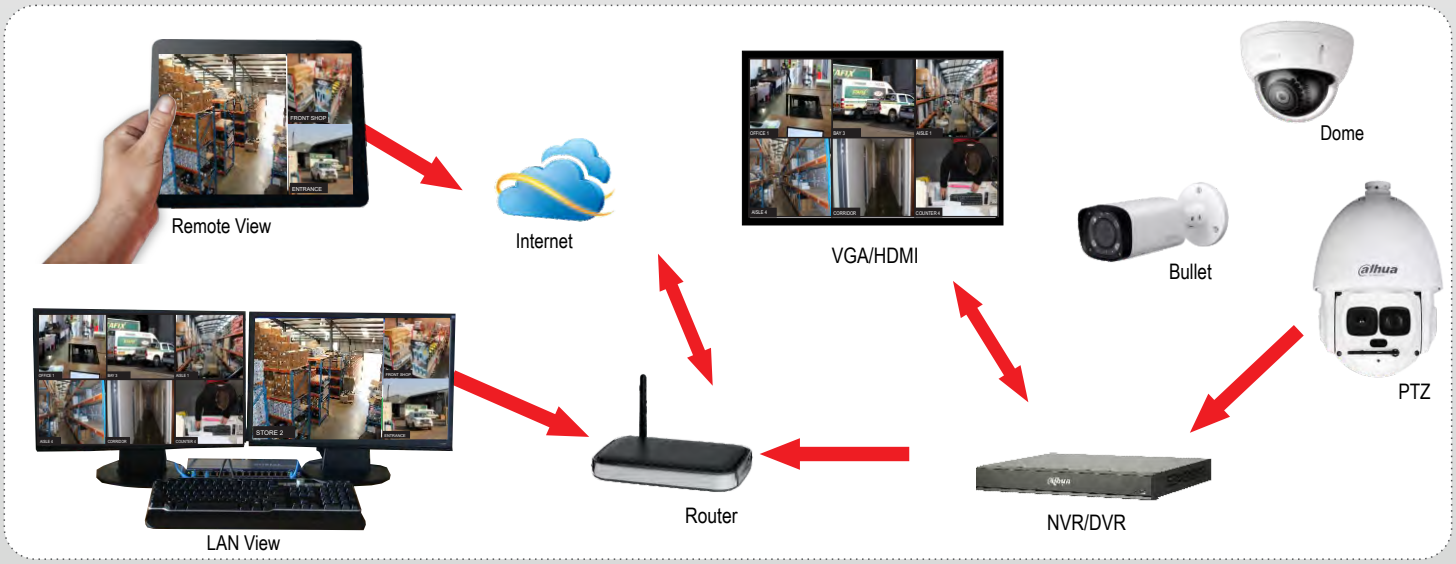
- Aesthetically pleasing with screw-hiding covers
- Weatherproof and durable UV resistant for Outdoor and Indoor use
- General purpose enclosure for various projects
- Easy to install and easy to use
- Accurate camera placing via mounting guides
- 3 x 20mm Conduit entry points on sides via easy knockouts or center drill start points
- Screws for both wall and camera mounting
- Suitable for both Dome and Bullet cameras
- Sufficient usable space for RJ45, Video Baluns, BNCs and power connectors
- Locally manufactured and UV stabilized
- Base size of 120mm (100x100x50mm)







EN008





CCTV Farm Security

Wireless transmission becomes an important tool on large sites such as game farms where applications require video signals to be transmitted back to a central control room. Stafix Security Centres can help you design a wireless network, integrating CCTV and perimeter patrol software, to allow you to monitor fence conditions as well as CCTV feeds from different locations all over the farm.

The complete integrated system would enable you to visually monitor key areas and perimeters of your game farm such as lodges, water holes, and camps from a centralised control room or off-site monitoring from a PC, tablet or smartphone.

For more information on our CCTV Range visit our website for the full DAHUA BROCHURE



Camera View

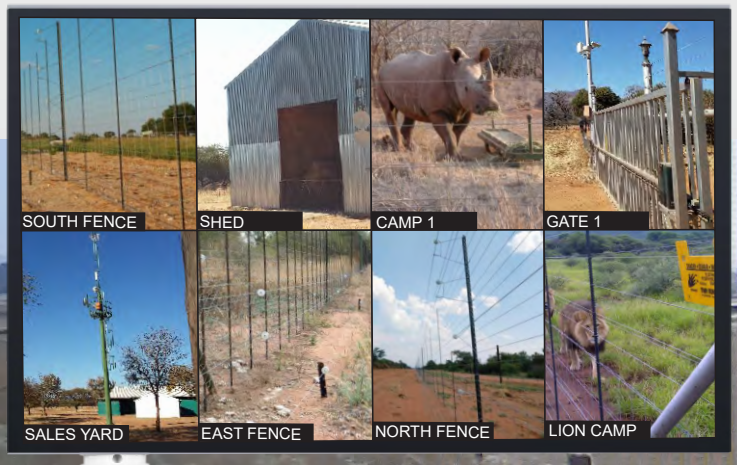


Wi-Fi Transmitter Station



Wi-Fi Receiver Station and Control Room

Control Room Software



Monitor Screen

INTERSECTION MONITORING CAMERA POST SYSTEM

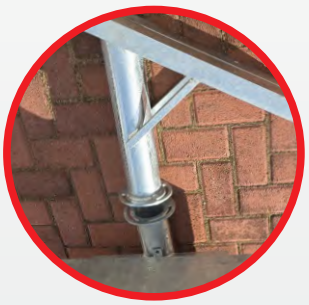


PE-AFCCTVP
5.5m x 100 X 3mm
Post with flange and support gusset HDG (CCTV)

Having ourselves manufactured many heavy duty, Solar CCTV stations, over the years, for the Agric community in the Eastern Cape, we have decided to make this CCTV Station available across all the branches. Over the years we have made modifications to the design to make the box as robust and theft resistant as possible and as easy as possible to install. The tower comes in 3 parts and has an optional camera arm extension to enable the user to look down a road.

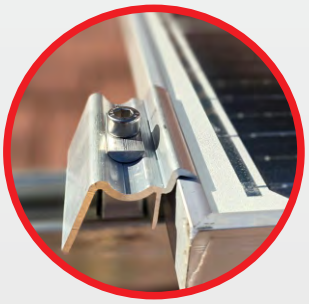
Solar bracket with slotted base to adjust for sunlight direction

PE-AFGSB – Adjustable solar panel bracket C/W flange for 100 x 3mm POST. (150W to 550)



Easy mounting facility for one or two solar panels

PE-AFENG249 – K2 single rail 36 4-40M
PE-AFENG250 – K2 end clamp 30-42



Large, 2mm thick, welded, steel Galvanized Box with internal mounting backing boards; can house battery and NVR/DVR

PE-AFCCTVLB – High security mild steel 2mm enclosure HDG with 2 x lock boxes (650 x 650 x 250)



2 x HD strong, Lock Boxes on the front of the enclosure to protect locks from being tamped with and secure the contents inside





WIRELESS OUTDOOR SURVEILLANCE

www.ROBOGUARD Outdoor Beams .co.za



For more information on our Roboguard Range visit our website for the full WIRELESS OUTDOOR EARLY WARNING BROCHURE

Roboguard is a reliable, affordable, outdoor surveillance system, ideal as an add-on to any electric fence, alarm or complete stand-alone security system. The Roboguard sensor is weatherproof, tamper-proof, robust, impervious to lightning and UV damage.





Roboguard Beam
A battery operated, dual-sensor, outdoor movement detector designed to detect intruders and wirelessly transmit the information to a Roboguard Base station. The internal batteries have a +/-2-year life span. The Roboguard dual-beam system uses state-of-the-art equipment and technology.



Portable Headquarters (HQ)
A portable 8-zone, 4-output, base-station is used to receive and announce signals from up to 8 Roboguard Sensors. The HQ can also be wired to a siren and/or alarm panel.



Alarm Interface
The Roboguard alarm interface is used to interface up to 4 Roboguards with individual intruder detection, tamper and status LEDs.



Power Pack
The HQ interfaces with external devices such as a siren and/or alarm panel. It is a complete solution with a 7A/h battery, 16V DC transformer, tele-cable, DC power to HQ and 5 relay out-put PCBs.



Receiver
A separate receiver provides the data stream for the Keypad and for the repeater station.



Transmitter
A Roboguard Transmitter is capable of transmitting roboguard intruder and roboguard remote alarms in response to triggering from externally connected systems.

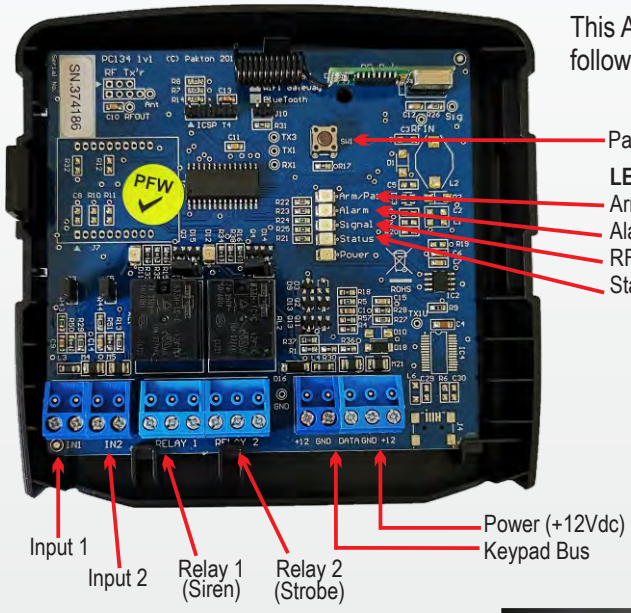
LED
The LED Driver unit is used to indicate visually the status of the Roboguard system. The status is indicated via an add-on LED.
LED indicates *Armed, Disarmed* or *Alarm* conditions.



Keyfob Transmitter
A handheld, remote transmitter is used as a panic button and remote control for radio base-stations. 4-button and 6-button versions are available.

JVA RFI Interface Module Compatible with Roboguard

This Australian designed and manufactured device is highly reliable and boasts the following features and benefits.



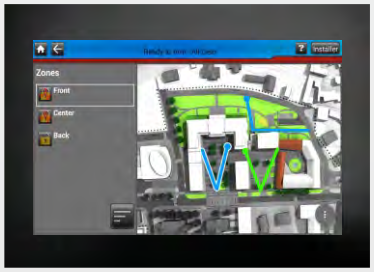
Features:

- Can monitor up to 8 wireless zones
- Can monitor up to 2 wired zones (sacrificing 2 wireless zones)
- Can be paired with up to 20 remotes
- Alarm reporting for each zone – through a User Interface
- Programmable Options – easy to customize the device to suit varying site requirements
- 2 programmable function relay outputs.

Frequency range

- 200m – Roboguard Detectors
- 60m – PIR Detectors
- 40m – Remotes

A Roboguard Repeater might be required for larger sites or improved signal strength.



JVA Android Keypad Configuration

Program the Roboguards into the JVA RFI via the program button or the JVA Android Keypad. Arm and disarm the system via a JVA Remote or Roboguard Remote or JVA Android Keypad. When a Roboguard detects motion, the RFI will trigger the siren and strobe outputs and the zone name will display on the JVA Android Keypad Mimic screen. Zones can be named for easier identification.

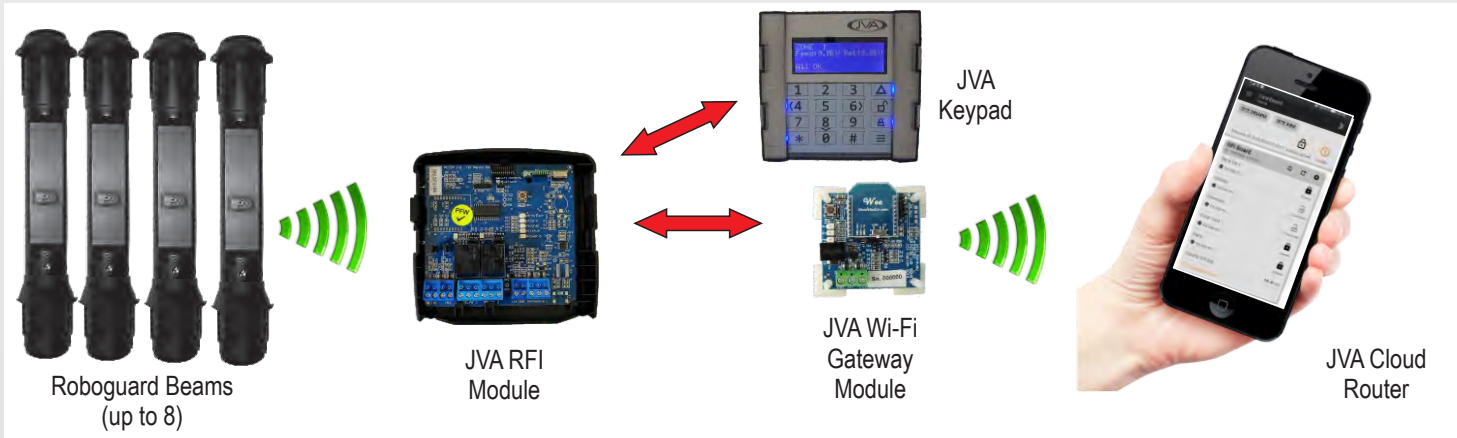


Diagram of Roboguards Interfacing to a JVA Cloud Router on an Internet enabled device via an RFI Board

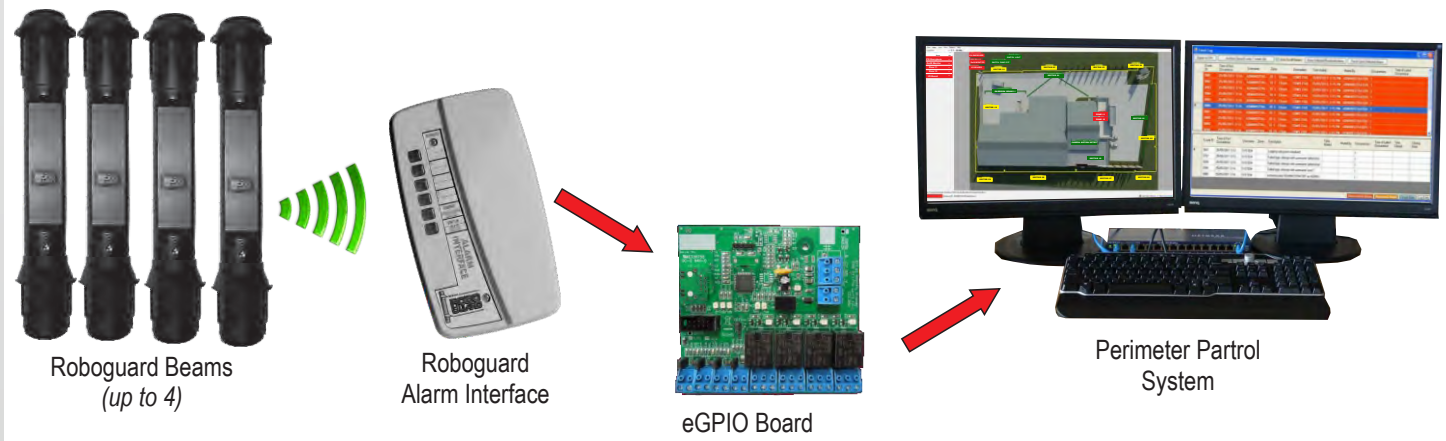


Diagram of Roboguards Interfaced with a Perimeter Patrol System

AFTER SALES SERVICE, REPAIRS AND CONSULTANCY

With regards to security, product reliability and fast and efficient back-up service is paramount. So, an installation is only as good as the security company's ability to provide sound products and service. Apart from its certification, Stafix offers a 2-year warranty on products. Ndlovu Fencing aims at prompt turn around on repairs to Stafix, JVA Energizer, CCTV and Gate Motor products, at their in-house repair and service facilities country-wide.

In addition, a country-wide Stafix dealer network is ever present to provide fast and efficient in-field installation and back-up service. Further, should an accredited dealer not provide satisfactory back-up service at an installation where he has installed and commissioned Stafix/JVA products, the company undertakes to meet all obligations relating to those products that have been installed. While fence maintenance, fault finding, and fence repairs are excluded from this undertaking, the company does offer consultancy services and advice on how best to solve fencing challenges. With management's over 50 years' experience in the electric fencing industry, Ndlovu Fencing is proud to be servicing customers it first sold to in 1978.

STAFIX TRAINING CENTRES

In addition to having trained sales personnel and in-house service technicians at all our distribution outlets, Stafix Security Centres also have fully equipped training facilities with trained facilitators where regular training courses, ranging from a basic introductory course on electric fencing to installation techniques, legal requirements and advanced technical training on our wide range of products, is offered. We also run in-house customized training courses for specialized groups at locations such as venues serving security associations, farmer's security forums, schools, neighbourhood watch groups and game reserves.

Stafix Security Centres and JVA's close association with their vast range of international trading partners, enables these companies to keep abreast with the latest international trends, developments, and requirements. Stafix Security Centres offer a comprehensive SAQA registered course and examination to qualify as an installer registered to issue a *Certificate of Compliance.* Ndlovu Fencing (Pty) Ltd, JVA's African distributor, is a leading role player in the setting up of the current South African Electric Fencing Standards and Regulations and Ndlovu's management are members of associations such as SASA, SABS Standards Committee, the Electric Fence and Components Manufacturer's Association, ESDA and the South African Game Fencing Association.



DO'S AND DON'TS OF ELECTRIC FENCING

Do's

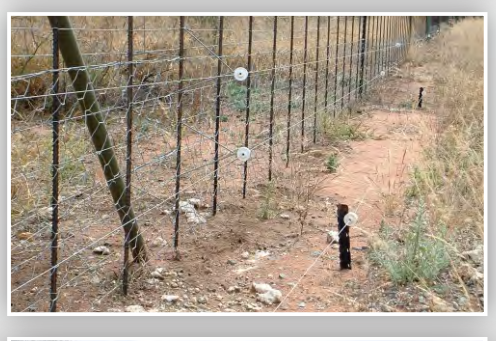
- Do select the right energizer for the job on hand. Determine the fence load and check that the energizer can cope with this load.
- Do make sure that your system is well earthed.
- Do place the energizer in a safe locality and out of reach of children.
- Do secure all joints with either line clamps or ferrules.
- Do seal the joints to eliminate any corrosion.
- Do be conversant with the law and codes of practice applicable to electric fencing (SANS 10222-3).
- Do make sure that there are no local by-laws that may influence your installation.
- Do make sure that you are fully conversant with the workings of the unit you have installed.
- Do make a sketch of your layout and of the wiring configuration of the fence. Retaining this will facilitate fault finding and maintenance.
- Do make sure that your supplier can service the unit you have chosen and that spares are readily available.
- Do make sure that your installer is a registered installer and ask for references.
- Do make sure that you receive a *Certificate of Compliance* from the installer.
- Do make sure that the energizer you have installed is certified and meets the required statutory safety requirements (SANS 60335-2-76).
- Do consult your neighbour before installing an electric security fence. (Assuming you meet all the legal requirements, s/he has no reason to object.)
- Do let only suitably qualified people operate your system and limit the number of key holders.
- Do make sure that the energizers are synchronized where there is the possibility of a person touching two fence lines powered by two different energizers.
- Do display warning signs as per the legislation.





Don'ts

- Don't electrify barbed wire.
- Don't include H.T. feed-out wires and H.T. return wires in the same conduit.
- Don't include H.T. wires in the same conduit as low voltage communication cables, as you will encounter induction problems.
- Don't combine unlike metals, i.e. copper earth stakes attached to galvanized wire, as electrolysis will occur and your wires will soon corrode away.
- Don't have an overhang that encroaches on your neighbour's property or over municipal property.
- Don't install two energizers on the same fence line unless they are synchronized.
- Don't earth your energizer to a mains or telecommunication earth system.
- Don't attach your earth to taps, dairy or shower pipes as you could experience induced shocks.









STAFIX™

SECURITY CENTRES

JVA

ELECTRIC FENCE SYSTEMS

CONTACT US

GAUTENG BRANCHES	Johannesburg East (H.Q)	219 Jet Park Road, Aerostar Business Park	011 397 3507
	Johannesburg North	174 Bernie Street, Kya Sand, Randburg	011 708 6442
	Johannesburg South	12 Dante Street, Alberton	010 157 1161
	Johannesburg West	599 Ontdekkers Road, Florida, Roodepoort	011 472 8823
	Centurion	74 Cantonments Road, Cnr. Botha Ave, Lyttelton	012 880 0222
	Pretoria	1185 Steve Biko Road, Wonderboom South	012 335 4290
	Vanderbijlpark	4 Prime Business Park, 6 Rabie Street	016 931 0408
	Johannesburg Training Centre	80 Herman Road, Harmelia, Ext. 2	011 397 3507
KZN BRANCHES	Durban North	Unit B, 213 Kenneth Kaunda Road	031 563 0274
	Newcastle	12A Harding Street	034 880 0330
	Pietermaritzburg	51 Winston Road	033 342 6722
	Pinetown	Unit 1, Suffert Industria Park, 7 Suffert Street	031 702 6351
	Vryheid	Unit F, 153 President Street, Cnr Hlobane Street	034 981 0318
WESTERN CAPE BRANCHES	Cape Town (Epping)	Unit 15, Viking Business Park, 7B Park Road, Epping Industria	021 534 5056
	Cape Town (Diep River)	Shop 2, Tramways Village, 89 Main Road	010 880 8281
	Cape Town (Brackenfell)	Unit 17B, Brackenfell Business Park, Old Paarl Road	021 879 1978
	Cape Town (Montague Gardens)	16 Montague Drive	021 879 3102
	George	No 8, C.J. Langenhoven Roard, George Central	044 874 0669
	Paarl	Shop 2, Huguenot Park, Cnr.Klein Drakenstein Road	021 862 0886
	Somerset West	Shop 1, Broadway Centre, 11 Urtel Crescent	021 851 1978
NORTHERN CAPE BRANCHES	Kimberley	27A Schmidtsdrift Road, Rhodesdene	053 861 5631
	Upington	67 Schroeder Street	054 332 1458
EASTERN CAPE BRANCHES	East London	Shop 5B, Paphos Park, 9 Devereaux Avenue	043 880 0830
	Port Elizabeth	No 35 Third Avenue, Newton Park	041 365 7178
MPUMALANGA BRANCHES	Nelspruit	Unit 4, 20 Rapid Street, Riverside Industrial Park	013 752 7152
	Ermelo	22 Kerk Street	017 880 0888
FREE STATE BRANCHES	Bloemfontein	18 Kolbe Lane, Oranjesig	051 448 6695
	Bethlehem	Shop 8 & 9, River Walk Centre, 4 Muller Street	058 050 1090
LIMPOPO BRANCH	Polokwane	Cnr. Zune and Veldspaat Street, Extension 42	015 292 6273
NORTH WEST BRANCHES	Klerksdorp	72 Central Avenue, Flamwood	018 468 8273
	Potchefstroom	Havenga Building, 35 Dr. James Moroka Avenue	018 297 1488
	Rustenburg	Shop 8, Waterfall Mall, 1 Howick Avenue	014 537 2884
INTERNATIONAL BRANCHES	JVA Australia	55-57 Kabi Circuit, PO Box 527, Deception Bay QLD	+61 499 000 455
	JVA USA	4838 FM2001, Lockhart, Texas	+1 512 413 8661

e-mail: efc@stafix.co.za
Postal Address: PO Box 30174 Winfield 1467
Website: www.stafix.co.za

VISIT OUR ONLINE STORE FOR PRICING
www.stafix.co.za

Although the information presented in this product catalogue is believed to be accurate and reliable, no responsibility for inaccuracies can be assumed by Ndlovu Fencing. Performance data is typical only and variations owing to component manufacturing tolerances are normal.