



# SECURITY ENERGISERS

STAFIX ELECTRIC FENCE AND SECURITY CENTRES

## THE JVA RANGE

The JVA brand is a range of electric fencing products carefully selected from leading manufacturers around the world to meet the needs of perimeter security. Each energiser incorporates all the necessary functions of a complete security electric fence system in a single, powerful compact unit. The JVA X and SX range are also the first and only South African manufactured energiser range (as at 01/01/2008) to have full certification for meeting all the required safety requirements for the local and international markets. Copies of these documents are available at all Stafix Electric Fence Centres.

## JVA X-RANGE

The JVA X-range security energisers are robust, key-switch operated, conventional component assembled electric fence energisers and alarm units containing no surface-mount components. This makes them very reliable, robust and easy to repair. This is the ideal, no fuss, security unit which when reliability is of utmost importance, the unit excels and is hence a popular choice for farms, plots and as an export into Africa.



A JVA X-Range keypad is also available if remote arming or disarming is required.



## JVA SX-RANGE

The JVA SX Energiser Range is a compact, integrated, programmable electric fence energiser and alarm unit supplied with remote LED keypad control. The unit employs a state of the art microprocessor and surface-mount technology. A unique feature of the JVA SX Range is the innovative SMARTLINK (anti-bridging) concept. A security weakness of all energisers on the market at present is that the high voltage output wire and return wire can be bridged across where the feeder wires connect to the fence. The rest of the fence can then be disconnected without triggering the alarm, since the return pulse will still be detected. The SMARTLINK prevents this from happening.

Each JVA SX energiser has its own separate high voltage transformer powering each zone. A short on one zone will have no effect on the energy (joules) or voltage on another zone.

SABS L.O.A

Letter of authority for verification certificate numbers: S2 / X Range 39112001, C9 / SX Range 39163001



Council Directive 73/23/EEC, 89/336/EEC, Amended with 93/11/EEC



TEST Africa

Compliance test numbers: E2 / X Range WCT 06/0335, C9 / SX Range WCT 06/0337

SPECIFICATIONS	X14	X15	X18	SX18	SX28	SX48	FEATURES	X14	X15	X18	SX18	SX28	SX48
Stored energy	6J	8J	15J	15J	15J	15J	Fence monitor	*	*	*	*	*	*
Output energy 500 ohm	4J	5J	8J	8J	8J	8J	Gate (aux.) monitor	*	*	*	*	*	*
Output voltage max.	10kv	10kv	10kv	10kv	10kv	10kv	Low voltage monitor	*	*	*	*	*	*
Output voltage min.	5kv	5kv	5kv	5kv	5kv	5kv	Siren driver	*	*	*	*	*	*
Backup time max.	8hrs	16hrs	14hrs	14 hrs	14 hrs	14 hrs	Strobe driver	*	*	*	*	*	*
Backup time min.	4hrs	8hrs	7hrs	7 hrs	7 hrs	7 hrs	Armed Response	*	*	*	*	*	*
Battery volts	12v	12v	12v	12v	12v	12v	On/Off reset key	*	*	*	*	*	*
Battery capacity	2Ah	7Ah	7Ah	7Ah	7Ah	7Ah	Remote control option	*	*	*	*	*	*
Mains power	220vac	220vac	220vac	220vac	220vac	220vac	Battery backup	*	*	*	*	*	*
Pulse period	1-1.5s	1-1.5s	1-1.5s	1-1.5s	1-1.5s	1-1.5s	Keypad LCD	Optional	Optional	Optional	Optional	Optional	
Pulse width	0.3ms	0.3ms	0.3ms	0.3ms	0.3ms	0.3ms	Keypad LED	Optional	Optional	Optional	Optional	Optional	
Alarm delay	4s	4s	4s	prog	prog	prog	Programmable						
Siren time out	3-5min.	3-5min.	3-5min.	prog	prog	prog	Smartlink Security						
Recommended live wire distances													
1.2mm s/steel	1km	2km	4km	4km/zone	3km/zone	1.5km/zone	Livestock control						
1.2mm braided galvanised	2km	8km	8km	8km/zone	5km/zone	2.5km/zone	Solar power option						
2.24mm galvanised	4km	8km	10km	10km/zone	6km/zone	4km/zone	Multi zones				1	2	4



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## POWERFUL

High fence line voltage and a powerful 4 J pulse combine as a potent deterrent.



**COMPACT**  
Supplied with switch (Keypad optional)

**PREMIUM**  
(User-programmable)  
Supplied with Keypad

### MAINS/BATTERY POWER SUPPLY

The EMU internal energy source can either be battery-mains power, or battery-solar power. It means the EMU can be used on the most remote sites, and with low power consumption and a large internal reserve, the system will continue to operate through lengthy power interruptions.

### INTELLIGENT KEY PAD

User-friendly software and fault diagnostics can be accessed through the intelligent key pad. Simple code inputs can change pins and fence voltages, delay times, etc. to suit end user circumstances.

### FENCE LINE VOLTAGE CONTROL

The system can be tailored to suit required security levels and to accommodate local operating conditions. This is done by presetting the fence line operation voltage when armed, by setting the alarm threshold trigger voltage, or by using low voltage monitoring. Dynamic voltage monitoring counters the effect of seasonal vegetation growth.

### SIREN & STROBE LIGHT SPECS

Maximum siren size: 15 W @ 12 V DC  
Maximum siren rated current: 1.25 A @ 12 V DC  
Maximum strobe size: 2.5 W @ 12 V DC  
Normal strobe rated current: 200 mA @ 12 V DC



**KEYPAD**  
(Also available in white)

A new generation product with the power, safety and intelligence wanted by the international security industry.

SPECIFICATIONS	DETAILS
Packaged product	160X240X120 MM, 0.006 MG, 1.7KG
Safety standard compliance	IEC 60335-1; 1991 MOD with IEC 60335-2-76; 1997 AS/NZS 3360.1; 2006 with AS/NZS 3360.2.76; 1996 BS EN 60335-1; 1995 with BS EN 60335-2-76; 1996
EMC compliance	EN 55014-1 (with amendment A1-1997), 1993, EN 55014-2; 1997
Ingress protection category	IPX4 (water and dust)
Power pack	230V/16V, 16VA or 115 V/16V, 16VA
EMX input power	16V AC, 1.2A, 50/60 Hz or 24V DC, 1A
Internal battery	12V, 7Ah SLA
Battery life after mains failure	37+ hours with low level 6V output power
Typical output voltage performance	
Open circuit terminals	12,000V+
Standard load (1000 Ohms)	8,700V+
Heavy Load (300 Ohms)	6900V+
Pulse rate	1.5 seconds
Maximum siren size	15W @ 12V DC/1.25A @ 12V DC

# WIRELESS ENERGISERS

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**WTX Wireless Energiser**    **Wireless Keypad Controller**    **Optional Wireless Key-Fob**

## WORLD FIRST Wireless Security Electric Fence System

WORLD FIRST - WTX wireless security electric fence systems feature all-new technology designed and manufactured by Tru-Test, a global leader in electric fencing. The unit is designed for the urban environment specifically for the home wall-top fences. The wireless feature makes it ideal for quick and easy, 1-day installations.



**STYLISH** - WTX is an unobtrusive and aesthetically pleasing addition to your property security, with no cabling or hard wiring required.

**COST EFFECTIVE** - WTX can be installed in a fraction of the time of traditional walltop fence energiser monitors, saving time and money

- No more unsightly keypad wires
- No more complicated circuit diagrams
- Cuts down the use of undergate cabling
- Reduces the amount of trenching

**USER FRIENDLY** - WTX is turned on/off with a custom-designed Mag Key which can be stored on the Wireless Controller or added to a key ring

COMPONENT	POWER SUPPLY	SPECIFICATIONS
Energiser	240V AC 6V 5 Ah battery	Surge and Lightning Protection, Standby Time up to 20 Hours, Stored Energy 2.7J, Output Voltage up to 10KV, Low Voltage Mode up to 1KV, IPX4, Class 2 Receiver, Complies with IEC, SANS & EN 60335-2-76-1 and with AS/NZS 60335.2.76-1
Controller	12V, 1.2 or 1.3 Ah VRLA battery	Standby time up to 30 hours, Operated by magnetic key or optional keyfob
Monitor	2 AA Alkaline batteries	5 LED light display, Class 2 receiver, 12V DC, 2.5A alarm output
Optional Keyfob	2032 Lithium button cell battery	IP63, Maximum distance from energiser equals 100m Operation Range is approximately 30m

System Complies with either SANS & ETSI EN 300 225-1, -2, -3 and SANS & ETSI EN 301 489-1, -3 (868 MHz) or Part 15 of FCC Rules (916 MHz)