



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 imported JVA Z-Range of energisers is designed to be the best, affordable, high feature security energiser in the world. It was built and designed out of over 30 years of electric fence experience earned in the most testing international environments. The unit has a unique LCD voltage display so that the fence output and return voltages can clearly be seen.

The unit can be operated by keyswitch or by the optional LCD keypad.



Z14 STANDARD ENERGISER



Z14 BI-POLAR ENERGISER

FEATURES INCLUDE:

- ★ LCD voltage display
- ★ Powerful 4 & 8 joule model peak output energy
- ★ Designed to pass IEC60335-2.76 and EMC standards (Report PL2008039/ASNZS)
- ★ Well mountable, robust enclosure with detachable PCB chassis for ease of installation and repair
- ★ Earth monitor input
- ★ Gate input
- ★ Key switch
- ★ Keypad programmable
- ★ Lower power mode
- ★ Entry/Exit delay from gate input trigger
- ★ Switched +12V outputs for Siren and Strobe up to 30 Watts for 3 minutes
- ★ Microprocessor controlled
- ★ Outputs may be wired for All-Live wire fences (All-Live model only)



OPTIONAL LCD KEYPAD



LCD ENERGISER OUT & RETURN VOLTAGE DISPLAY



UNIQUE LCD KEYPAD DISPLAY



- JVA Z14**
- ★ Security Fences Energiser
 - ★ Live out and return voltage displays
 - ★ Single Zone Monitor
 - ★ Single Gate Facility
 - ★ Earth Monitoring Facility
 - ★ 4 Joules Maximum Output Energy
 - ★ Compliant with IEC60335-2-76
 - ★ Supplied with keyswitch
 - ★ LCD Voltage out and return display
 - ★ Diagnostic Mode
 - ★ Key-pad programmable



- JVA Z18**
- ★ Security Fence Energiser
 - ★ Live out and return voltage displays
 - ★ Single Zone Monitor
 - ★ Single Gate Facility
 - ★ Earth Monitoring Facility
 - ★ 8 Joules Maximum Output Energy
 - ★ Compliant with IEC60335-2-76
 - ★ Supplied with keyswitch
 - ★ LCD Voltage out and return display
 - ★ Diagnostic Mode
 - ★ Key-pad programmable



- JVA Z14 BI-Polar**
- ★ All-live bi-polar Security Fence Energiser
 - ★ Single Zone Monitor
 - ★ Single Gate Facility
 - ★ Voltage return display for each live circuit
 - ★ Earth Monitoring Facility
 - ★ 4 Joules Maximum Output Energy
 - ★ Compliant with IEC60335-2-76
 - ★ Supplied with keyswitch
 - ★ LCD Voltage out and return display
 - ★ Diagnostic Mode
 - ★ Key-pad programmable



- JVA Z28**
- ★ Security Fence Energiser
 - ★ Live return voltage displays for each zone
 - ★ 2 Independently Controllable Zones
 - ★ Double Gate Facility
 - ★ Earth Monitoring Facility
 - ★ Joules Maximum Output Energy
 - ★ Compliant with IEC60335-2-76
 - ★ Supplied with keyswitch
 - ★ LCD Voltage out and return display
 - ★ Diagnostic Mode
 - ★ Key-pad programmable

The JVA Z Range can be controlled by the optional LCD Keypad.

- ★ One Keypad model will control any of the models in the JVA Z Energiser range
- ★ The Keypad can be customised to display the installer name and phone number
- ★ The Wording on the LCD display can be customised so Zone One and Gate alarms can also be customised by the Installer. i.e: Front Fence, Back Fence, Pedestrian Gate, Driveway Gate etc



Customized Z-Range Enclosure

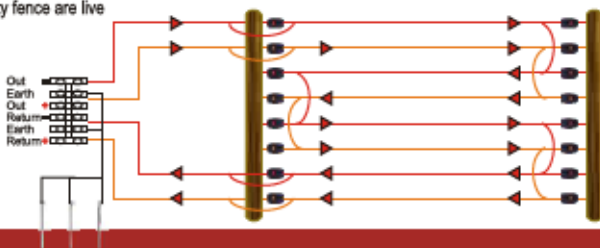
Ndlouvu fencing has a custom Z range weather proof lockable steel cabinet or Fibre Glass enclosure option (coastal areas) to house the energiser where needed. The enclosure is especially designed for the Z range and has a window to allow for viewing of all the energiser functions.

What is BI-POLAR FENCING?

The new JVA Z14A Energiser can be purchased in bi-polar mode. This gives rise to the question: What is bi-polar and what exactly are the benefits of this wiring configuration?

A bi-polar fence is an all-live wire fence. A bi-polar energiser has the ability to pulse synchronised positive and negative pulses down alternative wires of the same fence line. So, instead of having alternative live and earth wires on the 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 open true earth wire in the fence grid).

A reading taken between the positive pulsing or negative pulsing live wires and the true energy, 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 eliminates the annoying and often difficult-to-eliminate arcing experience in coastal or dusty areas.



SPECIFICATIONS	Z14	Z14A	Z18	Z28
Stored energy	6J	6J	12J	12J
Output energy 500 ohm	4J	4J	8J	8J
Output voltage max. *	10kv	10kv	10kv	10kv
Output voltage LCD Display	-	-	-	-
Return voltage LCD Display	-	-	-	-
Backup time max.	24 hrs	24 hrs	18 hrs	18 hrs
Ext 16V AC Transformer	-	-	-	-
Battery volts	12v	12v	12v	12v
Battery capacity	7Ah	7Ah	7Ah	7Ah
Mains power	220vac	220vac	220vac	220vac
Pulse period	0.8s Hz	0.8s Hz	0.8s Hz	0.8s Hz
Pulse width	0.3ms	0.3ms	0.3ms	0.3ms
Alarm delay	*	*	*	*
Siren time out	*	*	*	*
Recommended live wire distances (Series)				
1.2mm stainless	1km	2km	4km	4km
1.2mm braided galvanized	3km	5km	10km	10km
2.34mm galvanized	4km	8km	16km	16km

* - Fully programmable via Keypad.



FEATURES	Z14	Z14A	Z18	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	Optional	Optional	Optional
Microprocessor	*	*	*	*
Programmable	*	*	*	*
Earth Monitoring	*	*	*	*
Security	*	*	*	*
Livestock control	*	*	*	*
Solar power option	*	*	*	*
Number of zones	1	1	1	2
Multi Zone Pulse Sync	*	*	*	*