

JVA Specifications

| SPECIFICATIONS | Z11 | Z13 | Z14 | Z18 | Z114 | Z25 | Z28 |
|----------------------------|--------|--------|-------|-------|-------|--------|-------|
| Stored energy | 3J | 5J | 6J | 12J | 17J | 2x4J | 2x6J |
| Maximum Output energy | 1.8J | 3J | 5J | 8J | 14J | 2x2.5J | 2x4J |
| Output voltage maximum | 10kV | 10kV | 10kV | 10kV | 10kV | 10kV | 10kV |
| Output voltage LCD display | Keypad | Keypad | ✓ | ✓ | ✓ | | |
| Return voltage LCD display | Keypad | Keypad | ✓ | ✓ | ✓ | ✓ | ✓ |
| Backup time maximum | 24hrs | 24hrs | 18hrs | 18hrs | 16hrs | 16hrs | 14hrs |
| Ext 16VAC transformer | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Battery volts | 12V | 12V | 12V | 12V | 12V | 12V | 12V |
| Battery capacity | 7Ah | 7Ah | 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 | Z11 | Z13 | Z14 | Z18 | Z114 | Z25 | Z28 |
|--------------------------------|-------|-------|-------|-------|-------|---------|---------|
| 1.2mm SS | 0.6km | 0.8km | 1km | 1.5km | 2km | 2x0.6km | 2x1km |
| 1.6mm SS | 1.2km | 1.4km | 1.6km | 2km | 2.5km | 2x1.2km | 2x1.6km |
| 2mm SS | 1.8km | 2.1km | 2.4km | 3.3km | 3.6km | 2x2km | 2x2.4km |
| 1.2mm braided galvanized | 2km | 3km | 4km | 8km | 10km | 2x2.5km | 2x4km |
| 2mm braided galvanized | 2.5km | 3.5km | 5km | 8km | 10km | 2x3km | 2x5km |
| 2.24 galvanized HSS | 3km | 4km | 6km | 10km | 14km | 2x3.5km | 2x6km |
| 1.6mm aluminium wire | 6km | 8km | 10km | 20km | 25km | 2x6km | 2x10km |

| DIMENSIONS | Z11 | Z13 | Z14 | Z18 | Z114 | Z25 | Z28 |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Size (height, width, depth) mm | 300x190x115 | 300x190x115 | 300x190x115 | 300x190x115 | 300x190x115 | 300x190x115 | 300x190x115 |
| Weight (without battery) | 2.0kg | 2.0kg | 2.1kg | 2.4kg | 3kg | 2.2kg | 2.4kg |

| POWER CONSUMPTION | Z11 | Z13 | Z14 | Z18 | Z114 | Z25 | Z28 |
|----------------------|-------|-------|-------|--------|--------|--------|--------|
| Average current draw | 500mA | 500mA | 550mA | 1000mA | 1200mA | 900mA | 1000mA |
| Peak current draw | 600mA | 600mA | 750mA | 1200mA | 1400mA | 1100mA | 1200mA |

All energizers in the Z-Range can be used in a Multi-Zone Network

JVA Specifications

| SOLAR PANEL SPEC | Z11 | Z13 | Z14 | Z18 | Z114 | Z25 | Z28 |
|---------------------|------|------|------|-------|-------|-------|-------|
| Recommended battery | 50Ah | 50Ah | 50Ah | 105Ah | 105Ah | 105Ah | 105Ah |
| Solar panel | 60w | 75w | 75w | 100w | 120w | 100w | 120w |
| Solar regulator | 10A | 10A | 10A | 10A | 20A | 10A | 10A |

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

| WARRANTY | Z11 | Z13 | Z14 | Z18 | Z114 | Z25 | Z28 |
|-----------------|-----|-----|-----|-----|------|-----|-----|
| 2-year warranty | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| CERTIFICATION | Z11 | Z13 | Z14 | Z18 | Z114 | Z25 | Z28 |
|---------------------------|-----|-----|-----|-----|------|-----|-----|
| Compliant (IEC60335-2-76) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| FEATURES | Z11 | Z13 | Z14 | Z18 | 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 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |