

ZM1 Fence Monitoring System

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

The ZM1 monitors the live feed line from the energiser to the fence and determines if the fence is working properly, by measuring the voltage, current, and therefore 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.

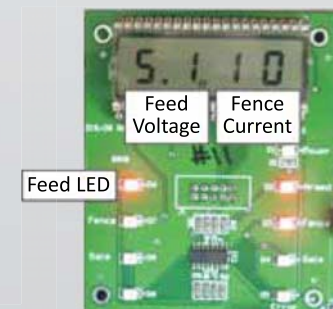
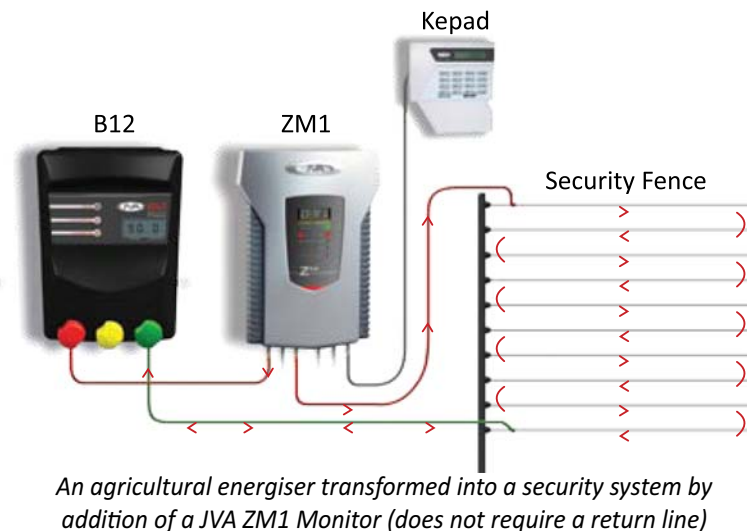
The ZM1 has many programmable options which can be adjusted using a JVA Z-Series keypad. By correctly setting the alarm threshold levels, it is possible to determine if a fence has been cut or shorted at any point.

Features

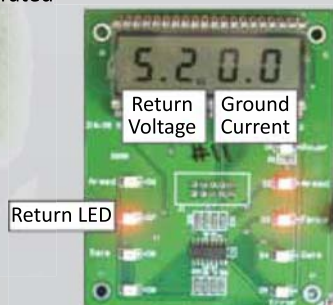
- Built into the wall mountable Z-Series energiser enclosure
- Can be combined with any energiser (see *Limitations* below) to produce a full featured security electric fence energiser/monitor
- Does not require a return line
- LCD Voltage display for *out* and *return* voltage
- LCD current display (load)
- LCD earth voltage display
- Controllable and Programmable via keypad with similar codes to the Z-Series
- Monitors fence voltage and current to trigger an alarm if current rises or voltage falls (load increases)
- 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 energiser
- Can control a 220Vac energiser 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 Form C relays with many programmable functions

Limitations

- An energiser used with the ZM1 must comply with IEC6033-2-76 (or similar) safety standard
- The maximum energiser power is 36 Joules (Stafix M36 or similar)



Output readings



Input readings