

Electric Fence Energizer: Model - CS 250

Version 1

CE

Features:

1. Fence Energizer is an ideal choice for Sensitive areas / Establishments / zone wise installations.
2. Device operates Over Real time operating system at High frequency (Micro-controller based technology) which can power a single line of fence for a recommended length of 7,500 meters.
3. Designed specifically to offer exceptional value for money.
4. Aesthetical look with ABS body.
5. Adaptive Power Technology (APT) to provide maximum power to the connected Fence.
6. Easy to integrate with most professional alarm systems.
7. Easy to install using simple but secure wiring.
8. Reliable and expandable.
9. BIS certified against IS 302-2-76 safety standards vide **License no.: CM/L: 6300150391.**
CE marking in compliance with safety standards / directives vide No. IEC 60335-2-76, IS 8437 (Part – I & II: Human safety), IS 9000 (Part - VI), RoHS and EMC.
10. Can trigger an external device upon tampering using potential free contacts.
11. Fence Energizer can be used as an independent system or can be interfaced to a Central Monitoring station through TCP / IP.
12. Suitable for Multi level security applications.
13. Front Panel display consists of LEDs and LCD.
14. Integrated with below 3rd party Software or Command & Control Systems:
TATA, GENETEC, I2V Systems, Milestone, Infinova, Digifort VMS, Cron Systems, WIPRO C2, BEL C2 & Heedkeep

Electrical parameters:

Operating Voltage	12V DC
Input Voltage	12V DC (Inbuilt 230V Charger unit upon request)
Input current	750 mA
Output Voltage	1 to 9.9 KV Pulsating (Adjustable with on-board keypad)
Pulse interval	1.2 Seconds
Number of pulses	50 pulses per minute.
Pulse width	240 micro seconds
Output Energy	>2 Joules @ 500 Ohms load
Battery compartment	Inbuilt compartment to accommodate 12V/7Ah battery

Environmental characteristics:

Operating Environment	: Outdoor use
Operating temperature	: -20deg to 70 deg. C
Operating Humidity	: 0 to 95% (non-condensing)
Radio Interference	: Complies with EMC Directives
Dimensions	: 325 (L) x 240 (B)x 128 (H) mm
Weight with Battery (7AH)	: 5.28 Kg



Other Features:

Number of channels	High / Low voltage - 1 no. with Loop monitor
Alarm Output	12V DC to drive a Siren within 2 to 12 seconds
Fence ON / OFF	Using on board Keypad / Through Interface
Operation password	User password for regular use and Master password for programming.
Connectivity for Interface Communication	Supports 10/100 Mbps with IEEE802.x Application Software Communicates with the device on special ports
Data security	Device data is encrypted with AES-256
Number of configurable I/Os	8, used for interfacing / controlling / monitoring.
Memory storage to retrieve data	Arm processor to store > 1 lakh Alarms
MTBF	1,00,000 hours
Front panel display	Mains ON LED / Fence ON LED / Check indication LED / Alarm indication LED / Facility to display status of 4 Inputs LCD showing the Fence Live & Return voltages, Battery Voltage, IP address and Programming menu
Compatibility	All models of CROWN Fence Secure Software with IPV4.
Operation using onboard Keypad	Menu driven operation for easy navigation.
User Monitoring & Control	Thru TCP/IP.
Master controller	Inbuilt to communicate with CROWN Software directly.
Bandwidth	Less than 1 Mbps.
Configurable Fence Parameters using onboard Keypad	FENCE VOLTAGE: From 1 KV to 9.9 KV with 0.1 resolution. Alarm set Voltage from 1 KV to 5 KV Number of Missing Pulses from 1 to 10 pulses Alarm ON Time and Re-Arm time Temperature monitoring & control Can Activate external gadget for a predetermined period through 12V / 6 A relay.
Alarm indication	Upon Fence Tamper by sensing Voltage drop. Wire disconnect / Cut including Earth terminal, Energizer tamper and Energizer Lid open.
Protection	Any additional Alarm as required by Customer. Web Interface protected with SSL Short circuit protection and IPX4 for outdoor use. Electro Static Discharge and Surge



IS 302 : PART 2 : SEC 76:1999



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Please contact for additional information at:

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* Pictures, Dimensions and Features are subject to change without prior intimation

