



ENERGISER

BS120

Datasheet

THE STINGER BS120 SECURITY FENCE ENERGISER.



1. GENERAL

The Bs120 Multizone electric fence energizer is a 20 zone system and has been developed for the urban and industrial high security environment. The Bs120 system is a South African product which adheres to the highest international standards and is distributed to many countries worldwide.

The Bs120 system can be used as a stand-alone unit or in a networked solution, using multiple Bs120 units. Communication between the energizers is possible via, copper, fibre, RF, ethernet and the Stinger 2-wire communication.

2. KEY FEATURES

1. High/Low voltage setting (manual or Auto)
2. Energizer feeds the live wire from both ends, and it is therefore impossible to bypass the monitor by short circuiting the live and return wires.
3. 6 Hour battery back-up in case of power failure.
4. Siren- and strobe outputs
5. Gate input and tamper alarm input.
6. RS485 communication
7. External LCD display/control unit
8. Event storage facility for up to 100 events (FIFO)
9. Password protection for user and installer
10. Internal- or external trigger mode for multiple energizers on one system.
11. Master/slave operation.
12. Multiple energizers can be used on one fence section (Triggered operation).
13. The system is fully controllable via the Stinger management software package.
14. Optional integrated SMS functionality for the display / control unit.
15. The patented fence current monitor ensures stable and reliable zoning information and is not based on resistance measurement.

3. SPECIFICATIONS

HV Outputs	BS100	BS101	BS102	BS120
Nr of HT Outputs	1	1	2	2
Energy/Current limited	Energy	Energy	Energy	Energy
High/Low HT Setting?	No	No	Yes	Yes
Open circuit HT Voltage	8000	8000	8000	8000
Output Energy in 500 Ohm	7.6j	7.6j	7.6j	7.6j
Output voltage at 500 Ohm Load	7200	7200	7200	7200
Output voltage at 250 Ohm Load	6500	6500	6500	6500
Output voltage in Low mode	n/a	10V	10V	800V
Output energy in low mode at 500 Ohm load	n/a	n/a	n/a	.08j

Energizer controls and display	BS100	BS101	BS102	BS120
Remote control unit	n/a	n/a	Max 32	Max 32
Display type	n/a	LED	LCD	LCD
RS485 port	n/a	No	Yes	Yes

Monitor system	BS100	BS101	BS102	BS120
Maximum nr of monitored zones	n/a	1	2	20
Nr of monitored earth loop zones	n/a	0	2	0
External pulse trigger capability	Yes	No	Yes	Yes
HT pulse safety watchdog	Yes	Yes	Yes	Yes

Inputs and outputs	BS100	BS101	BS102	BS120
Gate input	n/a	Yes	Yes	Yes
Siren outputs (3 minutes or till reset)	n/a	Yes	Yes 2	Yes
Strobe Light outputs (till reset)	n/a	Yes	Yes 2	Yes
Alarm signal output (relay c/no/nc)	n/a	Yes	Yes 2	Yes 1 25 Via relay card
RS485 port	n/a	No	Yes	Yes

Power supply system	BS100	BS101	BS102	BS120
Mains supply voltage	10-16V	100-260V	100-260V	100-260V
	DC	AC	AC	AC
Back-up Battery	n/a	7A/H	7A/H	7A/H
Typical stand-by time with full battery	n/a	7 Hr	7 Hr	7 Hr
Full battery management	n/a	Yes	Yes	Yes

Compliance	BS100	BS101	BS102	BS120
IEC 60335-2-76	Yes	Yes	Yes	Yes
CISPR 14, EN 61000	Yes	Yes	Yes	Yes
IEC certification	No	No	Yes	Yes