



# FIVE-ZONE FENCE ENERGIZER

BS205

Product Specifications

# THE STINGER BS205 Five-ZONE FENCE ENERGIZER



## 1. Overview

The BS205 five-zone electric fence energizer is a 5-zone system and has been developed for the residential and small industrial applications. The BS205 system is a South African product which adheres to the highest international standards and is distributed to many countries worldwide.

The BS205 system can be used as a stand-alone unit or in a networked solution, using multiple BS205 units. Communication between the energizers is possible via copper, fibre, RF, ethernet and the Stinger 2-wire communication system.

## 2. Key Features

The BS205 boast the following features

- Modular design for ease of maintenance and installation
- Energizer feeds the live wire from both ends, and it is therefore impossible to bypass monitor by short circuiting the live and return wires.
- 8 Hour battery back-up in case of power failure.
- Siren and strobe outputs
- RS485 communication capability
- Optional external LCD display/control unit
- Event storage facility for up to 100 events (FIFO)
- Password protection for user and installer

- Unique 'Bridging Alarm' capability.
- External Synchronizing capability.
- Multiple energizers can be used on one fence section (Layered operation).
- The system is fully controllable via the Stinger management software package.
- Optional integrated SMS functionality for the display / control unit.
- The patented fence current monitor ensures stable and reliable zoning information and is not dependant on resistance measurement.

### 3. SPECIFICATIONS

#### HV OUTPUT

|                                |        |
|--------------------------------|--------|
| Nr of HT Outputs               | 2      |
| Energy/Current limited         | Energy |
| High/Low HT Setting            | No     |
| Open circuit HT Voltage        | 8500   |
| Output Energy in 500 Ohm       | 5J     |
| Output voltage at 500 Ohm Load | 6800   |
| Output voltage at 250 Ohm Load | 6000   |

#### CONTROL AND DISPLAY

|                     |          |
|---------------------|----------|
| Remote Control Unit | Optional |
| Display Type        | LED      |
| RS485 Port          | Yes      |

#### Monitor System

|                                 |          |
|---------------------------------|----------|
| Monitored Zones                 | 5        |
| Monitored Earth Loop Zones      | 0        |
| External Pulse Trigger Capacity | No       |
| HT Pulse Safety Watchdog        | Yes      |
| SMS Facility                    | Optional |
| Bridging Alarm                  | Yes      |

#### Input / Output

|                     |                                |
|---------------------|--------------------------------|
| Gate Input          | No                             |
| Siren Output        | Yes – 3 minutes or until reset |
| Strobe Light Output | Yes                            |
| Alarm Signal Output | Yes (relay c/no/nc)            |
| RS485 Port          | Yes                            |

## Power Supply System

|                         |             |
|-------------------------|-------------|
| Mains Supply Voltage    | 100-260V AC |
| Consumption             | 12 Watt     |
| Backup Battery          | 7 A/H       |
| Standby Time – Battery  | 8 Hours     |
| Full Battery Management | Yes         |

## Compliance

|                    |     |
|--------------------|-----|
| IEC 60335-2-76     | Yes |
| CISPR 14, EN 61000 | Yes |