



COMBI TENSIONER

ST102

Datasheet

THE STINGER ST102 COMBI TENSIONER



1. DESCRIPTION

The Stinger ST102 electric fence combi-tensioner has a revolutionary design, which isolates the electrical conductor of an electrified fence system from the metal support posts and applies tension to the conductors. The design is focused on the providing extremely high isolation capabilities, especially at coastal conditions while tensioning the wire at the correct specified tension.

The Stinger range insulators and tensioners have been specifically developed and designed to work with the high powered Stinger energizers. Arcing, caused by inferior type insulators and tensioners, will cause nuisance alarms on the electric fence system and will also cause EMI, which may interfere with sensitive electronic equipment.

There is currently no adequate South African standard for tensioners. It is therefore imperative that Stinger sets the benchmark for electrified fence insulators and tensioners to ensure that the highest standard are maintained. The result is stable and reliable security electrified fence systems.

2. DESIGN SPECIFICATIONS

- Round and smooth shaped apertures. This is to minimize damage to the conductor caused by friction.
- A large disk is located at the back of the tensioner prevent small insects (snails, gecko's, spiders etc) from reaching the fence conductor and cause arcing.
- No flat surfaces which could hold water.
- One-hole mounting ensures ease of installation.
- Special locking mechanism to prevent tampering.
- Nylon gear to increase strength.
- 304 stainless locking pin.

3. TECHNICAL SPECIFICATION

Specification	Rating
Max conductor strain force	80KG @ 60°C (Ambient)
Insulator material	Black Polypropylene with 5% UV stabilizer
UV warranty	5 Years
Total isolation distance	83mm
Max isolation voltage - dry	>20 000V @ 9.5 Joule (pulsed energy)
Max isolation voltage – 2% Saline Water Solution	20 000V @ 9.5 Joule (pulsed energy)

4. TECHNICAL SKETCH

