

FAULT FINDING

Fault	Action
Mains light is not coming on	Make sure the mains plug is connected and plugged in and switched on. Make sure mains fuse is OK.
Alarm light not working	Send the unit in for repairs.
Alarm does not reset	Disconnect the fence from the energizer, insert loop wire between fence in and fence out. If the alarm resets there is a fence fault. If the energizer does not reset then send the unit in for repairs.
Energizer alarm does not reset when the fence is connected, but does reset when loops are made between fence in and out	Make sure the fence wiring is correct. Make sure the fence is connected in series to make a fence loop. Make sure the fence loops are made correctly.
The energizer does not work when there is a power failure or with the mains off.	Change fuse on the top of the PC Board.
Fuse	Replace fuse, make sure the battery is charging. Ensure the battery is fully charged before the unit is used.
Strobe light not working	Replace strobe light. Make sure there is 12V output to the strobe.
Siren not working	Replace siren. Make sure there is 12V output to the siren.
External alarm output not working	Send the unit in for repairs.

WARRANTY

The DTS range of energizers are free from defects in material and workmanship. This warranty extends for a period of two (2) years and includes lightning protection. The warranty covers repair or replacement, provided the unit is returned to our workshop. This warranty shall be considered null and void should repairs be attempted by anyone not previously authorized by:

DTS SECURITY PRODUCTS

3 SIMON PARK
BRUNTON CIRCLE
FOUNDERSVIEW
TEL: 086 1000 387

All DTS units are manufactured in accordance to comply with SABS and all legal requirements. This document is to be retained by the purchaser and must be produced for warranty to be effective.



DTS ENERGIZER

INSTRUCTION MANUAL

INSTRUCTIONS

N.B. Disconnect the AC (wall plug) and DC (battery terminal) power before you do any connections or settings on the unit.

1. Settings

- 1.1 All connections are done on the top PC board (see page 3).
- 1.2 The Bargraph calibration can be set on the potentiometer on the top PC Board marked Pot 1.
- 1.3 The alarm sensitivity can be set via Pot 2, clockwise for more sensitive and anti-clockwise for less sensitive.
- 1.4 The Siren output can be set to trigger once, then time-out and will not trigger again until the unit is reset by switching the keyswitch off and on again, or with link-in on RT marked on PC Board, now the unit will trigger once when a short or break has been detected, time-out then can be triggered again, without resetting the unit. If there is a permanent short or damaged fence the alarm will re-trigger until the unit is switched off, and damage to the fence or short repaired.
- 1.5 The Energizer can be triggered by an external alarm, (Gate contactor normally closed) marked Gate on the PC Board. This alarm function is for entry gates and will only trigger when the time delay runs out. The time-out can be set via link marked GD on the top PC Board between either 2 and 4 min.
- 1.6 If the power on the fence is too high or a flashover occurs, the power can be decreased by adjusting the potentiometer on the bottom PC board (anti clockwise). Do not set the potentiometer clockwise to maximum, as this will damage the unit.

2. Earthing

Use copper or galvanized coated earth rods that are at least 1.2m long at intervals of $\pm 50\text{m}$ to ensure sufficient earthing.

WARNING: Do not disconnect mains earth. Sufficient fence earthing is essential for the energizer to operate properly. Insufficient earthing could damage the energizer and void the warranty.

3. Operation

Turn the key to activate the unit. The green mains display light and the green on display light must be on. The unit will start pulsing, indicated by the bargraph. In the event of an alarm, the alarm display light will come on and the siren will be activated for ± 35 seconds.

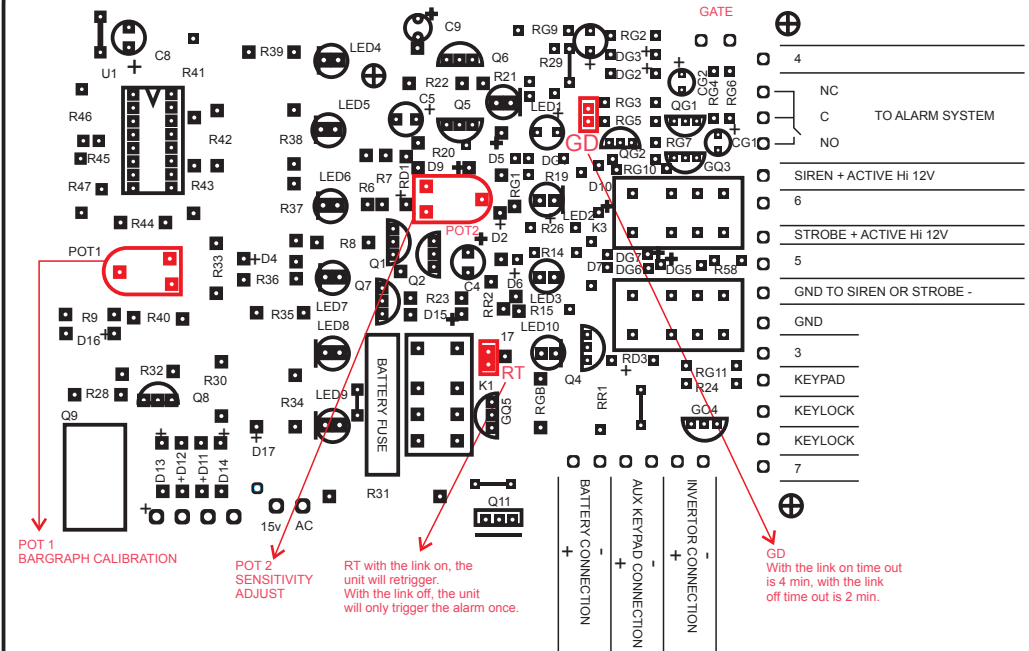
After ± 35 seconds the siren will reset, but the alarm light will stay on (as a memory), until the unit is reset by turning the unit off.

If the alarm light and siren do not reset, it indicates that the system has detected a permanent short or cut on the fence.

4. Testing

The system can be tested by breaking the fence loop or shorting the fence to earth, which will trigger the alarm.

WIRING DIAGRAM



SPECIFICATIONS

Specifications	DTS 4J	DTS8J
Voltage on open circuit	9900	9900
Voltage on 500 ohms	5500	6000
Output energy	4J	8J
Battery size	7AH	7AH
Battery standby	13-15 hours	8-10 hours
Max live wire braided	up to 2km	up to 10km
Weight	5.7kg	5.8kg
Dimensions	380 x 290 x 100	380 x 290 x 100
Siren time out	± 35 seconds	± 35 seconds