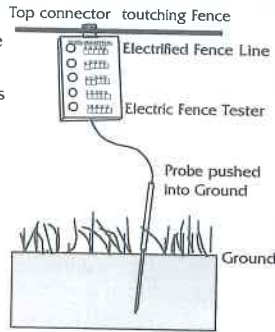


Testing

To test the fence. It is a good idea to purchase a Fence LineTester. (Pt.No. 14-150) and use as shown.

Where to test? At the furthest end of the fence line from the energiser, measure the voltage with an Electric Fence Volt Meter. A good fence line should have 3,000 volts or more. If the reading is low then open out this guide for help on fault finding .



Specifications

Supply Input 12 V DC.
Power Consumption 25mA.
Stored Energy 0.24 Joule.
Output Voltage 8,500 V.

Battery

Operation with a 12V 35Ah Leisure battery is recommended, a car battery is not suitable.

Manufacture Standard

Built & fully certified to comply with CE, IPX4, EN61011-2 (1993) & EN55014 EMC Health & Safety Standards.

Safety

Do not connect to mains operated equipment.
Keep combustible materials away from the connection to the fencer unit.

Help & Advice Line

Contact Rutland Electric Fencing for any advice you may require during working hours Monday to Friday.

Rutland Electric Fencing Co. Ltd.

Rutland Electric Fencing Co. Ltd.

MODEL ESB 55 BATTERY UNIT

Owner's Guide

READ FULL INSTRUCTIONS BEFORE USE



FENCING HOUSE, 8 LANDS' END WAY, OAKHAM, LEICS, LE15 6RF

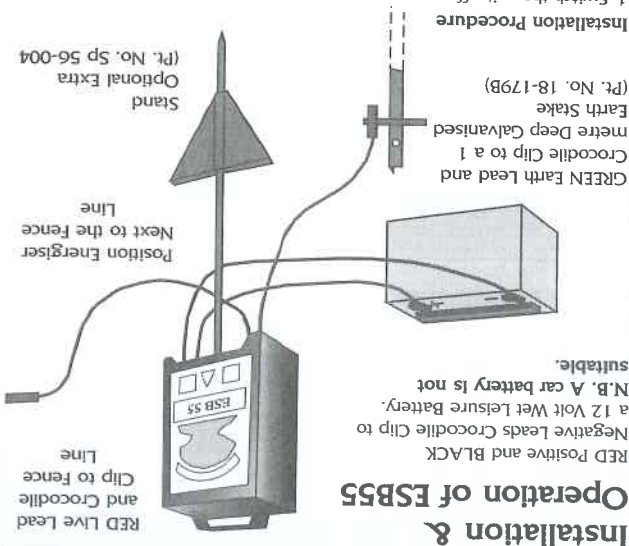
TEL. 01572 722558 & 722455 FAX. 01572 757614

Scotland Address: 22 MARKET STREET, BRECHIN, ANGUS,

SCOTLAND, DD9 6BB TEL & FAX 01356 624109

909-8016

6. Functions:
 - Battery Low Indicator ~ Lights when battery low.
 - Fence Line Indicator ~ Flashes as a pulse is produced.
 - On/off switch ~ Starts & stops unit operating.
 - earth stake (Pt. No. 18-179B).
5. Earth Stake:
 - clip the green earth lead to a 1metre deep galvanised
 - For a short distance fence and wet ground conditions
 - Negative (Black) ~ crocodile clip to negative terminal.
4. Battery Leads:
 - Positive (Red) ~ crocodile clip to positive terminal.
 - Earth (Green) ~ crocodile clip to the Earth Stake.
3. Fence Leads:
 - Live (Red) ~ crocodile clip to fence line.
 - in to the ground.
2. Mounting:
 - Hang the unit with cord provided on a post.
 - Or Screw the stand / earth stake into the base and push



Introduction

Thank you for purchasing our ESB 55 battery powered Electric Fence Unit. We hope this guide will help you to install and operate this unit for many years. We believe this unit is the best of its kind for ease of use, reliability and durability, therefore a two year parts & labour guarantee is included with this fencer unit.

How the ESB 55 works

The fencer puts out a high voltage, low current pulse, approximately once per second, through a special electric fence line. This may be high tensile wire, stranded wire, special electric fencing Polywire, Electrope, Electrope or electrified netting. The fence line must be totally insulated from the ground so that there is no leakage of current to the earth. This is why insulators are an extremely important part of the system. This enables the maximum voltage difference between the earth & the fence line to be achieved. When your animal touches the live fence line, it will complete the electric circuit & will feel the voltage difference. This will be great enough to give your animal a harmless electric shock making it step away from the fence. Your animal will remember the shock and the electric fence then becomes a psychological barrier.

Recommended Fence for the ESB55

For all types of animals. With no vegetation touching the fence line & the unit connected to the centre of the fence, it is capable of powering any one of the following types of fencing :

- Four 50mtr Electrified Nets
- 400mtrs of 12mm Electrope
- 500mtrs of Jumbo/Super White Polywire
- 700mtrs of 20mm Electrope
- 1,000mtrs of Maxi Polywire
- 1,000mtrs of 40mm Electrope
- 600mtrs of Electrope
- 1,000mtrs of 50mm Stand Wire
- 1,500mtr of High Tensile wire

2 Year Guarantee

PLEASE FOLLOW THIS ELECTRIC FENCE FAULT FINDING FLOW CHART

IT IS ADVISABLE TO CHECK DAILY THE VOLTAGE AT THE FURTHEST POINT ON THE FENCE FROM THE ENERGISER, USING A FENCE LINE VOLTAGE METER

LOW OR NO VOLTAGE

RECHECK

GOOD VOLTAGE
READING OVER
3,000 VOLTS

FENCE LINE O.K.

CHECK POWER SUPPLY FOR FLAT BATTERY
OR ELECTRIC SUPPLY OFF

RENEW BATTERY OR
CONTACT AN ELECTRICIAN
FOR REPAIR TO MAINS
SUPPLY

IF POWER O.K., DISCONNECT FENCE LINE LIVE OUTPUT WIRE
FROM ENERGISER, THEN CHECK VOLTAGE OUTPUT ACROSS
LIVE & EARTH TERMINALS WITH VOLTMETER.

LESS THAN 6,000

IF OUTPUT IS LESS THAN 3,000 VOLTS. THERE IS AN
ENERGISER FAULT. VISIT YOUR LOCAL DEALER FOR REPAIR.
REMEMBER CARD IF IN WARRANTY.

MORE THAN 6,000

IF OUTPUT IS NORMAL (OVER
6,000 VOLTS), RECONNECT
FENCE WIRE

TEST EARTH STAKE BY SHORTING THE FENCE LINE TO THE GROUND WITH AN IRON BAR APPROXIMATELY 100 METRES
ALONG THE FENCE. IF THE EARTH STAKE(S) ARE EFFECTIVE, YOU SHOULD NOT FEEL A SHOCK WHEN HOLDING ONE HAND
ON THE EARTH STAKE AND THE OTHER ON THE GROUND. IF YOU FEEL A SHOCK THEN YOU EITHER REQUIRE AN EXTRA
EARTH STAKE OR YOUR STAKE(S) NEED TO BE DEEPER. TEST AGAIN. REMEMBER EARTHING CAN CHANGE WITH GROUND &
CLIMATIC CONDITIONS. E.G. DROUGHT.

IF EARTHING IS O.K. AND LEAD OUT CABLE IS USED, CHECK THE CABLE. DISCONNECT THE LEAD OUT CABLE WHERE IT
CONNECTS TO THE FENCE LINE. TEST THE VOLTAGE AT THE CABLE END WITH A FENCE VOLTMETER.

UNDER 5,000 VOLTS

LEAD OUT CABLE IS LEAKING TO GROUND. CHECK
THAT IT IS SPECIFIC LEAD OUT CABLE. RENEW AND
RECHECK.

OVER 5,000 VOLTS

RECONNECT THE LEAD OUT CABLE TO
FENCE LINE

CHECK FOR THE FOLLOWING FAULTS

POOR CONNECTION OF
LEAD OUT CABLE TO
FENCE LINE

POOR LINKS
BETWEEN
LINES

POOR FENCE
LINE JOINTS

FENCE LINE SHORT
OR LEAK TO
GROUND

LEAKING UNDER
GATE CABLE UNDER
GATE WAY

POOR FENCE
LINE
CONDUCTORS

IF CORRECT, CHECK THE FOLLOWING, THESE CAN CAUSE A FENCE LINE SHORT

VERY HEAVY VEGETATION
AGAINST THE FENCE LINE

METAL OBJECT
TOUCHING ON
FENCE LINE

BAD OR
INCORRECT
INSULATOR

FENCE LINE TOUCHING A
METAL OR SOFT WOOD
POST

FAULTY UNDER
GROUND CABLE AT
GATEWAYS

Rutland Electric Fencing Co. Ltd.

IF YOU CANNOT FIND OR ARE UNABLE TO
SOLVE THE PROBLEM PLEASE PHONE US

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