

NON-CONTACT VOLTAGE DETECTOR

Model AK1998

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

When using the detector remember the following:

- The detector is **ONLY** for use within the operating range specified in Section 3.
- Before use confirm that the detector case is undamaged, **DO NOT** use if any fault is found.
- The operation of the detector should be checked by 'testing' a known live cable.
- **DO NOT** use the detector for any purpose other than that for which it is designed.
- Always have any detected fault rectified by a qualified electrician.
- **DO NOT attempt to rectify any fault until the circuit supply fuse/breaker has been removed/opened.**
- After rectification recheck with the detector to ensure that no further faults exist.

2. INTRODUCTION

The AK1998 is designed for testing insulated conductors and will detect the presence of AC voltages in the range 50 to 1000V. No electrical connection to the conductor under test, nor to the neutral or earth, is required. The maintenance-free unit is powered by two 1.5V batteries.

3. SPECIFICATION

Voltage Range 50 - 1000V AC
 Frequency Range 50 - 500Hz
 Over-voltage Category . . . CAT III, 1000V
 Protection Level IP40
 Output Flashing LED
 + Pulsating Audio Signal

Ambient Temperature 0 - 40°C
 Humidity <80%
 Altitude <2000m
 Batteries 2 x 1.5V, LR03/AAA

IMPORTANT! AK1998 will not detect voltages in cables connected to a centre tapped earth supply e.g. 110V transformer or generator.

4. OPERATION

- 4.1. With the batteries installed (see Section 5), slide the pocket clip (fig. 1.A) down to the ON position.
- 4.2. Bring the probe (fig. 1.D) close to the conductor and the LED and audio output will indicate the presence of an AC voltage within the range 50 - 1000V. If it is necessary to determine the magnitude and/or frequency of the voltage appropriate test equipment will be required.
- 4.3. Insulated cores may be checked for breaks (fig. 3), but note that each core tested **MUST** be individually connected to a detectable voltage.

5. BATTERIES

- 5.1. Use a small screwdriver to remove the battery cover (fig. 1.B and fig. 2).
- 5.2. Install batteries with polarity as shown in fig. 2 and replace cover, pressing it home until it latches.

6. DECLARATION OF CONFORMITY

Declaration of Conformity We, the sole distributor in the UK, declare that the products listed below are in conformity with the following standards and directives.

NON-CONTACT VOLTAGE DETECTOR
MODEL AK1998
 73/23/EEC Low Voltage Directive
 89/336/EEC EMC Directive



The construction file for this product is held by the manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman

11th July 2002

For Jack Sealey Ltd., sole distributor in the UK of Sealey Professional Tools.

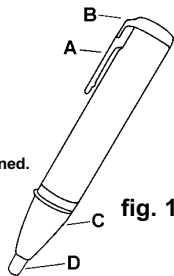


fig. 1

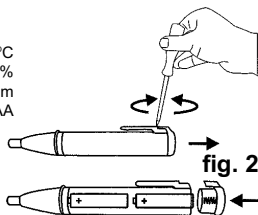


fig. 2

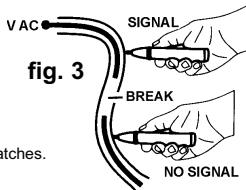


fig. 3

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this equipment.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

IMPORTANT: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.