

Operating Instructions

ACT Verifier

Audible Circuit Tester

Verifier enables an alarm installer to quickly walk-test a circuit installation and audibly trace hidden cables, test resistance and locate intermittant faults in a fraction of the normal time. An ideal tool to use during commissioning, maintenance and take-over inspections and troubleshooting first fix installations.



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WARNING: VERIFIER IS DESIGNED TO TEST RESISTIVE CIRCUITS ONLY. THE CIRCUIT MUST BE DISCONNECTED FROM THE CONTROL EQUIPMENT BEFORE TESTING. DAMAGE OR INJURY MAY RESULT IF CONNECTED TO ANY VOLTAGE SOURCE. IF IT IS USED IN A MANNER NOT SPECIFIED BY THE MANUFACTURER, THE PROTECTION PROVIDED BY THE EQUIPMENT MAY BE IMPAIRED.

Description

Verifier is an ingenious audible cable finder, resistance tester and fault locator in one easy to operate unit. The inductive amplifier probe supplied with Verifier enables the operator to audibly follow hidden cables under carpets, behind plaster and under floorboards throughout the installation. But that’s not all. It also allows the user to audibly test any resistance devices connected to the circuit such as; magnetic contacts, PIR’s, shock sensors, tamper switches etc.

Three variable resistance tones (Low 0Ω to high 250Ω, low <250Ω to high 25KΩ, low <25KΩ to high 250KΩ) change in pitch according to the resistance of the circuit under test. This makes Verifier ideal for audibly testing normally closed and end-of-line resistance circuits. The higher the resistance, the higher the tone. When testing any resistance changes will be instantly heard. A high pitch ‘open-circuit tone’ enables resistance breaks on the cable or device to be pinpointed easily. This ingenious use of sound makes it simple to identify the difference between good, bad and intermittent faults.

Verifier makes it quick and easy to locate all manner of faults including; varying resistances, loose connections, damaged cables, circuit breaks and defective devices during commissioning and maintenance inspections. It also makes identifying devices connected to unmarked circuits quick and easy when performing take-over inspections and troubleshooting first-fix installations. In conclusion, Verifier is an essential and affordable tool for anyone who needs to test and identify resistance faults first time.

Complete Kit

ACT Verifier, ACT Inductive Amplifier, Magnet Test Screwdriver

Test Procedure

WARNING: THE RESISTANCE CIRCUIT MUST BE DISCONNECTED FROM THE CONTROL EQUIPMENT BEFORE TESTING.

- 1. Securely connect the black lead clips to the resistance circuit under test
- 2. Connect the green lead clip to earth to maximise the distance the tone can be heard from the circuit cable
- 3. Switch Verifier ON which is confirmed by a green LED
- 4. Switch the inductive amplifier probe ON and set to the desired volume
- 5. Using the probe, follow the circuit cable under test throughout the installation
- 6. Holding the probe closer to the circuit cable or device under test, will produce a louder tone
- 7. Touching or tapping along the circuit cable will audibly identify resistance shorts or breaks
- 8. Tap testing joint boxes will audibly reveal intermittent resistance connection faults
- 9. Operating magnetic contacts by slowly moving the magnet away from the contact will audibly identify resistance variation faults
- 10. Repeatedly activating PIR’s, shock sensor and tamper switches will audibly verify normal operation or identify resistance variation faults

Replacement Battery

If the volume from Verifier becomes ineffective, replace the battery.

Variable Resistance Tones	Low 0Ω to high 250Ω Low <250Ω to high 25KΩ Low <25KΩ to high 250KΩ
Battery Type	9V (PP3) Alkaline
Enclosure	Flame Retardant ABS
Size	110(L) x 63(W) x 20(D)mm
Weight	150g