

LOW BATTERY

A red LED at the centre of the keypad starts to flash RED when the battery needs replacing. Also, at each mode change of the **DigAlert 350**, a low battery tone will be heard. Once the low battery LED is on, **DigAlert 350** will keep on working to its specification for a couple of hours, but **you are advised to replace the battery as soon as possible**.

INSTALLING or REPLACING THE BATTERY

Remove the three hatch cover screws as shown below. Unclip the battery and replace it with a 9V alkaline battery. Make the change within one minute if you want to retain your memory contents.

It is very important to ensure that DigAlert 350 is off when replacing a battery (No LED lit).

Disconnect from the line and press **Monitor** button to extinguish the Green (Mode) LED. **If you do not do this, when the new battery is fitted, the test-telephone may not restart correctly.** To cure it, disconnect the battery for at least 2 minutes and short the terminals together for a few seconds (when battery not fitted).

Replace the hatch cover ensuring that the line cord is correctly routed.

Tighten the screws firmly but do not use excessive force.

Care and repair

Field repair

Field repairs are limited to replacing line cords (with approved types), replacing belt clips, and replacing batteries. Attempting any repair beyond this at field level is liable to damage the instrument and will invalidate the manufacturers warranty.

Line-cord changing

Remove the three hatch cover screws. Replace the cord by loosening the terminal screws. Connect a new, standard cord as per the diagram. Tighten the screws firmly but do not use excessive force. Make sure the battery cover locates properly before securing it with the 3 screws.

Line-cord storage

Wrap the line cord loosely around the handle or preferably make a few loops and pass them through the belt clip.

Impact

DigAlert 350 is highly impact resistant. Even if dropped from a great height onto concrete **DigAlert 350** should survive without permanent damage. In the event that the gasket seal should bulge out on impact it is usually possible to gently ease it back into position with a blunt tool. Do not attempt to open the case to make a repair nor should any force be used or the gasket may split. If a simple local fix is not possible it should be returned for repair.

Do not open the case.

As a result of impact the surface may be scuffed or gouged. Small scuffs may be removed with fine grit abrasive paper. Any sharp burrs resulting from impact may be cut off with a sharp knife. Do not cut into the body or this will break the water sealing. Please note that the waterproof seal integrity can be damaged by a high impact. If in doubt, please have your unit checked. Use of the unit while the seals are damaged may invalidate the warranty.

Warranty

Warranty covers all defects of manufacture and materials.

Chesilvale Electronics agrees to remedy warranty defects free of charge provided that: the product is returned pre-paid to the supplier, it is adequately packed and labeled, all parts are returned and warranty seals (if fitted) are not broken.

Warranty does not cover: normal wear and tear, accidental damage, misuse, abuse or neglect and is voided by any unapproved modification.

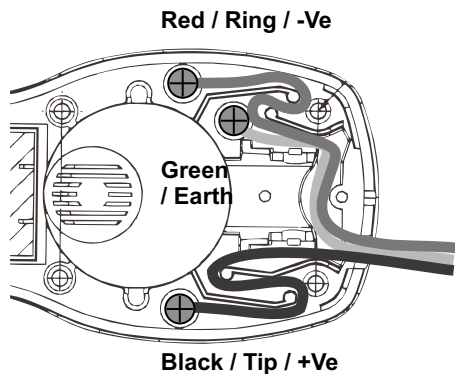


Loud Speaker Test Telephone

DigAlert™ 350



USER GUIDE



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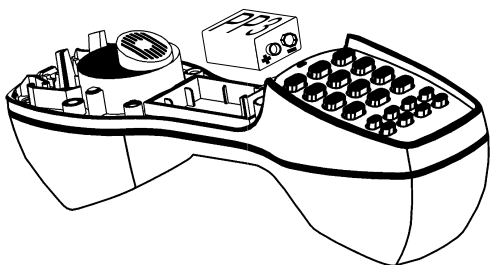
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Noutilus
range

Red lead polarity:
Green = B(-Ve).
Red = A (+Ve).

Replace
Battery

Red: Talk Mode.
Green: Monitor mode.



DIALLING

DTMF/TONE is the default dialling mode.

PULSE Dialing

With the DigAlert™ connected to a live line, press **PULSE** before selecting **Talk** mode. This is confirmed by a single high beep. Dialling mode will automatically revert to Tone when the line is disconnected or if the **DigAlert 350** is switched off.

Mixed Pulse and Tone dialling

Select Pulse mode as above and dial the Pulse digits. Press * (Tone) then dial the Tone digits (the star will not be dialled out). This can be stored in memory.

Storing a number in memory

STO **MEM**

There are ten memory locations, one under each of the dialling digits.

While connected to a line and in **TALK** mode:

Press **STO** on the keypad. Enter the telephone number.

Press **MEM**. Press the storage button location 0-9.

The number is stored under the button chosen. In memory you may also store *, #, **Flash** or **Pause**. These will be redialled as they were entered.

Dialling a number from a memory location.

While connected to a line and in **TALK** mode:

Press **MEM** then the location digit 0-9. The stored number under that button will be redialled.

LNR/PAUSE: Last Number Redial and Pause

Press **LNR/PAUSE** immediately after off-hook to redial the previous number dialled. During dialling, if you press **LNR/PAUSE** the Pause function operates. This inserts a 4 second pause in the dialling out string. Dialling resumes at the end of the pause.

FLASH

A timed line break is generated when the **FLASH** button is pressed.

POL: POLARITY TEST

Press **POL** and observe the polarity LED.

RED LED: red lead is connected to A(+Ve).

GREEN LED: red lead is connected to B(-Ve).

During this test, **DigAlert 350** remains high impedance and will not interfere with data or speech calls.

SPKR: SPEAKER MODE

Press **SPKR** to activate the speaker function. If **SPKR** is pressed while **DigAlert 350** is off, then Loud-speaker Monitor is automatically activated.

Volume adjustment:

Press and release **VOL** to select the high setting, press again to return to the normal setting.

In **TALK** mode, receive only is possible while in speaker mode.

After disconnection from the line for more than 1.5 minutes, **DigAlert 350** automatically switches off and the time-out tone is heard.

Ground-start lines

On units fitted with optional third wire (item M0023/15): connect green wire to ground, press **TALK** momentarily and check for dial tone. Ground start is then automatic and the green wire can be left connected to ground, without affecting the call.

ELR: Earth Loop Recall

On units fitted with optional third wire (item M0023/15): while in **TALK** mode on a looped line and with the green wire to ground, press **PULSE** momentarily and check for second dial tone.

TALK MODE

Press **TALK** to go off-hook.

A double beep is heard and the mode LED flashes **RED**.

Press **MONITOR** to go back on-hook. The mode LED then flashes **GREEN**.

PLEASE NOTE: if **DigAlert 350** is connected to an overvoltage or a digital signal, then **DigAlert 350** does not loop the line and sounds an alarm.

AUTOMATIC PROTECTION OF DIGITAL LINES:

Connect **DigAlert 350** to the line.

Press and release **TALK** to go off-hook. Thanks to **DigAlert™**, there are four different cases:

1\ A digital signal is present: **a two tone alarm** is heard, **DigAlert 350** locks out and does not loop the line. To override this alarm, hold down the **TALK** key.

2\ A high DC level is present (>116V±4V): **a single tone alarm** is heard, **DigAlert 350** locks out and does not loop the line. This alarm may not be overridden.

3\ A dc level between 76V(±4V) and 116V(±4V) is present: **a single tone alarm** is heard, the mode LED flashes **RED and GREEN**, **DigAlert 350** locks out and does not loop the line. To override this alarm, press **TALK** again.

4\ No alarm (i.e. no digital signal nor high DC present): **DigAlert 350** goes off-hook and loops the line.

Digital signal detection OVERRIDE

When connected to normal DC, it is possible to override the digital detection lock-out by pressing and holding **TALK** for more than 6 seconds and until the override tones have stopped. This can be particularly useful on a faulty line being highly imbalanced.

MONITOR MODE (high Z).

Press **MONITOR**. The mode LED flashes **GREEN**. Press again **MONITOR** to switch off **DigAlert 350**.

In order to extend its battery life, Monitor is automatically switched off after 20 minutes, if connected to a powered line, and 1.5 minute after disconnection. An audible signal is heard on timing out.

MUTE

Press and release **MUTE** to cut off transmission. Press again to talk.