

## Warranty

Warranty covers all defects of manufacture and materials. Greenlee Communications Ltd. agrees to remedy warranty defects free of charge provided that: the product is returned pre-paid to the supplier, it is adequately packed and labelled, 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.

## 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 361** is highly impact resistant. Even if dropped from a great height onto concrete **DigAlert 361** 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.


### 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 361**, a low battery tone will be heard. Once the low battery LED is on, **DigAlert 361** 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 the unit is off when replacing a battery (No LED lit).**

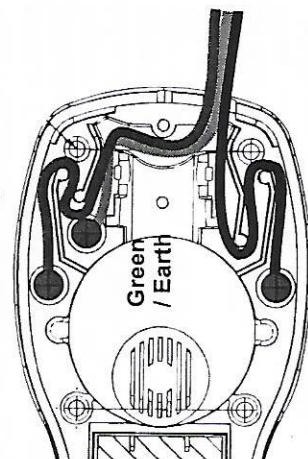
Disconnect from the line and press  Monitor button to extinguish the Green (Mode) LED. **If you do not do this, when the new battery is fitted, the test-telephone may not restart correctly.**

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.

Red / Ring / -Ve



Black / Tip / +Ve

ADSL compatible  
Hands-Free Test Telephone

## DigAlert<sup>™</sup> 361

With 12kHz indication



## USER GUIDE

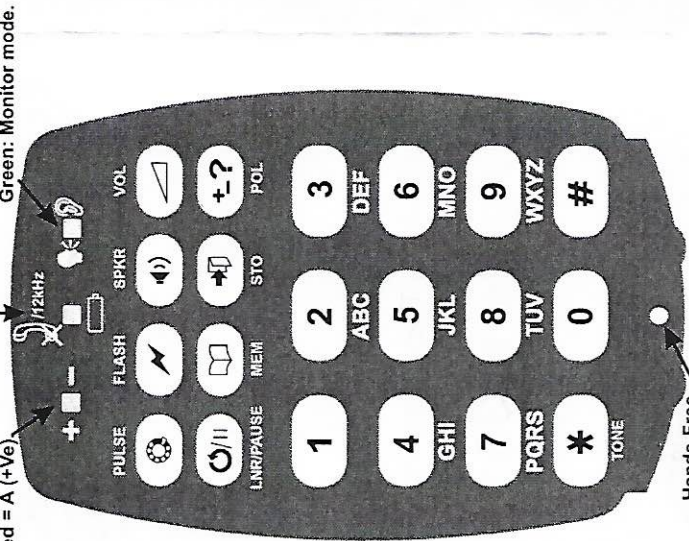


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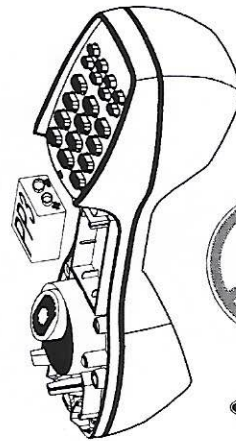
EMEA sales@greenlee.textron.com  
www.textron.com

Green = 12kHz Meter Pulse/MUTE  
 Red lead pol: Red = Talk Mode.  
 Green = B(-Ve).  
 Red = A (+Ve).



Hands-Free  
 Microphone

TALK  
 MONITOR  
 MUTE



**Warning!** When in Loudspeaker mode, hold loudspeaker more than 30cm (1 foot) from your ear.  
**Misuse can result in hearing damage.**

## DIALLING

DTMF/TONE is the default dialling mode.

### PULSE Dialling

With the **Digiflert 361** connected to a live line, press before selecting mode. This is confirmed by a single high beep. Dialling mode will automatically revert to Tone when the line is disconnected or if **Digiflert 361** 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** to enter STORE mode.

Press **MEM** and a location (0-9).

Enter the telephone number to be stored.

Press **STO** to store.

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. In STORE mode press **LNR/PAUSE** to insert a Pause in a memory. If within the first 5 entries, this inserts a 2 second pause in the dialling out string, if not, then it halts the dialling. Press **LNR/PAUSE** to resume.

### FLASH

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

## POL: POLARITY TEST

Press **POL** and observe the +/- LED. **RED LED**: red lead is connected to A (+Ve). **GREEN LED**: red lead is connected to B (-Ve). During this test, **Digiflert 361** remains high impedance and will not interfere with data or speech calls.

### SPKR: HANDS-FREE MODE

Press **SPKR** to activate and deactivate the hands-free function. If **SPKR** is pressed while **Digiflert 361** is off, then Loudspeaker Monitor is automatically activated. Press and release **VOL** to select the high receive volume setting, press again to return to the normal setting.

In TALK mode, two way hands-free is possible thanks to its hands-free microphone located at the base of the keypad area. The microphone is normally muted (Centre LED flashes Green), press the Key to disable the Mute, and activate transmission.

### USING HANDS-FREE IN THE BEST POSSIBLE CONDITIONS

**Digiflert 361** does not cut-off the beginning of words, it switches smoothly and silently, and adapts its settings to cope with the ambient noise, so that no adjustments are necessary. For best results, stay close to the hands-free microphone (base of keypad) and only use the **VOL** key if the receive level is too low for a normal communication to take place. Use **Digiflert 361** with hands-free microphone and speaker facing the user.

After disconnection from the line for more than 5 minutes, **Digiflert 361** automatically switches off to preserve the battery, 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.

### 12kHz Meter Pulse Detector

In TALK mode, the presence of 12kHz meter pulses is indicated by a green LED at the centre of the keypad. The LED is lit for the duration of the pulse.

For clearer indication, Mute should be OFF.

## 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 **Digiflert 361** is connected to an overvoltage or a digital signal, then **Digiflert 361** does not loop the line and sounds an alarm.

## AUTOMATIC PROTECTION OF DIGITAL LINES:

Connect **Digiflert 361** to the line.

Press and release **TALK** to go off-hook. Thanks to **Digiflert**<sup>™</sup>, there are four different cases:

1) A digital signal is present: a **two tone alarm** is heard, **Digiflert 361** 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, **Digiflert 361** 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, **Digiflert 361** 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): **Digiflert 361** goes off-hook and loops the line.

### Digital signal detection Easy OVERRIDE

When connected to normal DC, it is possible to override the digital detection lock-out by pressing **TALK** once more. 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 **Digiflert 361**.

In order to extend its battery life, Monitor is automatically switched off after 20 minutes, if connected to a powered line, and 5 minutes after disconnection. An audible signal is heard on timing out.

### MUTE

Press and release **MUTE** to cut off transmission, centre LED flashes GREEN. Press again to talk.