

Sig-Net Mobile

Mobile Phone Detector



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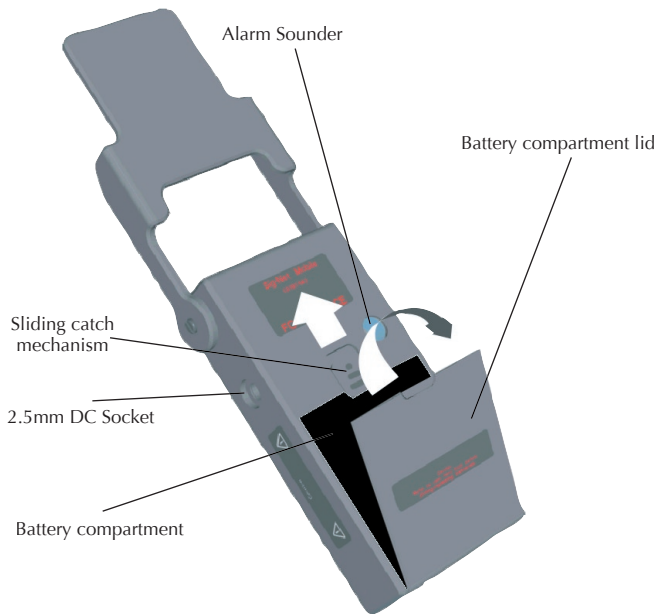
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BATTERY INSTALLATION AND CARE

Install the batteries supplied into the battery compartment. The battery compartment lid is retained by a sliding catch mechanism as shown below. The + and - battery terminals must be aligned as indicated in the battery compartment. Nominal battery life is approximately +50 Hrs in continuous use. The batteries should be replaced whenever the unit On/Battery OK indicator fails to illuminate.



Battery replacement

Only use 1.5V AA primary cells
(Do not use rechargeable batteries)

Battery Safety (care and disposal)

To prevent battery shorting, leakage or rupture;

- Never dispose of batteries in fire as they could explode.
- Do not attempt to recharge the batteries.
- Do not store batteries loosely in your pocket or purse.
- Remove wornout batteries from equipment immediately.
- Always keep batteries out of reach of young children
- Always replace all batteries at the same time.
- Batteries can be safely disposed of in household waste.

The **Sig-Net Mobile** unit can be powered from an external source via the 2.5mm DC socket located on the right-hand side of the unit. The external DC input is protected against reverse polarity connection and over-current.


Note: The external DC source does **NOT** re-charge the internal battery pack.

Caution: **The manufacturer recommends that only linear power supplies with an output voltage of 6V @ 200mA are used with the Sig-Net Mobile unit.**



GETTING STARTED



Keypad lid

The controls for **Sig-Net Mobile** are protected by a hinged lid which houses the antennas. The lid also acts as a prop to allow **Sig-Net Mobile** to be placed free standing on any suitable surface.


 **Caution** - the lid incorporates a magnetic catch, avoid close proximity to any object sensitive to magnetic fields.

SWITCHING ON / OFF

Switch the unit ON by pressing the Unit ON/OFF button  and check that the Unit ON / battery OK LED is illuminated. 

Switch the unit OFF by pressing the Unit ON/OFF button a second time.  

SELECTING THE ALARM MODE

Select the desired alarm mode (No Alarm, Audio, Vibrate) using the Alarm mode button .



NO ALARM (LED OFF)

When phone activity is detected the Mobile LED will flash for approx. 5 seconds. The Mobile LED will continue to flash as long as the phone remains active.



The Proximity display indicates the signal level of the Phone transmission.



As the Sig-Net Mobile unit is moved toward the mobile phone the needle will move to the right of the proximity display indicating that the signal level of the transmission is increasing.




As the Sig-Net Mobile unit is moved away from the mobile phone the needle will move to the left of the proximity display indicating that the signal level of the transmission is decreasing.



Should the mobile phone stop transmitting the Mobile LED will remain ON to indicate that an event has occurred.



Once activated the Mobile LED can be reset by a single press of the Alarm mode button .

Note The Mobile LED will flash rapidly whenever the unit is triggered (e.g. DECT handset). When a GSM phone is detected the LED will flash slowly.



AUDIO ALARM (LED ON)

When phone activity is detected the Mobile LED will flash for approx. 5 seconds, the sounder will also activate for approx. 5 seconds.



The Proximity display needle will indicate the detected level of the phone signal.



If the phone signal is switched OFF the Mobile LED will remain ON to indicate that an event has occurred.



If the phone signal is switched OFF the needle on the Proximity display will remain latched at the detected level.



Should a further phone signal be detected at a higher level then the Sig-Net Mobile unit will re-alarm as indicated above.



Once activated the Mobile LED can be reset by a single press of the Alarm mode button .

The needle on the Proximity display can be reset by selecting the No Alarm mode.

VIBRATE ALARM (LED FLASHING)

When phone activity is detected the Mobile LED will flash for approx. 5 seconds, the Sig-Net Mobile unit will also vibrate for approx. 5 seconds.



The Proximity display needle will indicate the detected level of the phone signal.



If the phone signal is switched OFF the Mobile LED will remain ON to indicate that an event has occurred.



If the phone signal is switched OFF the needle on the Proximity display will remain latched at the detected level.



Should a further phone signal be detected at a higher level then the Sig-Net Mobile unit will re-alarm as indicated above.







Once activated the Mobile LED can be reset by a single press of the Alarm mode button .




The needle on the Proximity display can be reset by selecting the No Alarm mode.

SUGGESTED OPERATING MODES

UN-ATTENDED LOCATION PROTECTION / MONITORING




- 1 Switch the unit ON .
- 2 Select Audio Alarm or Vibrate Alarm .
- 3 Leave the unit un-attended in the location to be protected / monitored.
- 4 Return to location.
- 5 The Mobile LED will indicate if any phones have been active. 
- 6 The Proximity display will give an indication of how close the phone was when active. 

OVERT FIXED LOCATION PROTECTION/ MONITORING

- 1 Switch unit ON  .
- 2 Select Audio Alarm  .
- 3 Place unit on desk or in wall mount bracket in location to be overtly protected / monitored.
- 4 An active mobile phone will cause the audio sounder to alarm and the Mobile LED will flash.
- 5 Select the No Alarm mode  use the Proximity Display to locate the mobile phone.









COVERT MOBILE LOCATION PROTECTION / MONITORING

- 1 Switch unit ON .
- 2 Select Vibrate Alarm .
- 3 Conceal unit about person (e.g. in pocket).
- 4 Move around area to be covertly protected / monitored.
- 5 An active mobile phone will cause the unit to vibrate and the Mobile LED will flash.
- 6 Remove unit from concealed location.
- 7 Select the No Alarm mode 
use the Proximity Display to locate the mobile phone.



PROTECTING A SPECIFIC AREA

- 1 Switch unit ON .
- 2 Select Audio Alarm or Vibrate Alarm . 
- 3 Place unit on desk or in wall mount bracket in location to be overtly protected / monitored.
- 4 At the perimeter of the area to be protected, switch ON a mobile phone.
- 5 The Sig-Net Mobile unit will alarm. 
- 6 Switch OFF the mobile phone.
- 7 Reset the Mobile LED by pressing the Alarm Mode button once .
- 8 The range of the Sig-Net Mobile unit will now be set to trigger around the perimeter of the area to be protected. 

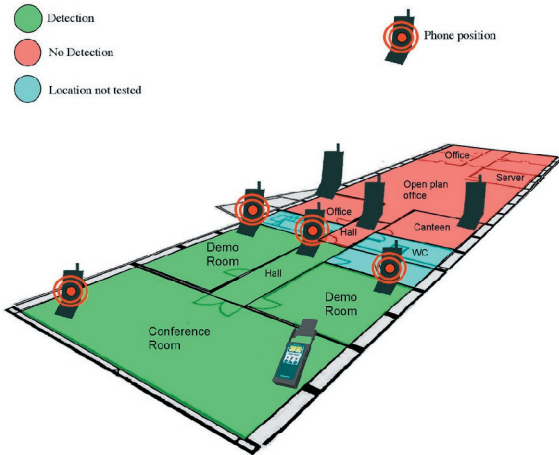
Note As mobile phones transmit at different power levels on different channels and on different networks, setting the range of the Sig-Net Mobile unit may require some trial and error.

TECHNICAL SPECIFICATION

RF Characteristics

Detection capability	Voice, Data, Fax, SMS, GPRS (up to class 8)
Frequency Range	GSM (880MHz to 915MHz), DCS (1710MHz to 1785MHz)

Typical coverage map (for Office environment)



Power Requirements

Battery	4 x AA primary cell battery life nominal 50+ hrs continuous use.
External DC	Linear 6v max. @ > 200mA reverse polarity protection and over-current.

Outputs

LCD Displays	Proximity display.
LEDs	Unit ON/Battery OK, Mobile, Alarm Mode
Alarm	LED plus audio tone or vibration activity alert.

Mechanical

Dimensions	128mm x 64.5mm x 30mm (Unit closed) 254mm x 64.5 c 27mm (Unit open).
Weight	approx. 250g
Accessories	carrying pouch, 4 x AA batteries, wall bracket.

Approvals

EMC

BS EN 61326:1998

Safety

EN61010-1:2001

