9d24 MkII Protector

Features

- 3 in one – personal alarm, messaging and cordless telephone
- Robust, dust and waterproof, IP64 classified
- Push button alarm
- No-movement, man-down and pull-cord alarms as option
- Location with base stations as standard and DECT Locators as option
- Large, mechanically protected and scratch-proof display
- Illuminated display and keypad
- SIM card for identity and personal settings
- Up to 10 modes with personalized settings
- 3 programmable soft keys for each mode
- 10 programmable hot keys
- Manual or automatic keypad lock
- Time and date indication
- Ring signal easily silenced
- Vibrator alert
- Separate loudspeaker for ring signal and loud-speaking function
- Sending/receiving messages (SMS)
- Two different text sizes
- Headset connector as option, IP64 classified

Technical Specifications

Physical
Dimensions (l x w x d): 134 x 60 x 27
Weight: 130 g (battery included)
Material: Case: PC/ABS and TPE (free from silicone)
Keypad: PC/ABS, illuminated by LED’s (light emitting diods)
Colour: Dark grey and Dark steel blue
Light grey and Dark steel blue (Medic)
Display (w x h): 128 x 64 pixel LCD, illuminated by LED’s
Clip: Hinge type (standard) or swivel type

Environmental
Operating temperature: 0°C – +40°C
Storage temperature: -20°C – +70°C
Immunity to electromagnetic fields: 10V/m (EN61000-4-3)
Immunity to ESD: 8 kV contact discharge and 16 kV air discharge (EN61000-4-2)

Volume
Ring signal: Adjustable in 5 steps (approx. 100 dB @ 10 cm)
Earpiece: Adjustable in 6 steps
Headset: Adjustable in 6 steps
Battery
Type: 750 mAh (Li-Ion)
Speech time¹/stand-by time:
12 h / 120 h (no location, no active alarms)
12 h / 120 h (man-down/no-movement alarms)
10 h / 28 h (DECT location)
10 h / 28 h (DECT location and man-down/no-movement alarms)
Charge time:
2 h in desktop charger
4 h in charging rack

Settings
Languages: 12 (Danish, Dutch, English, Finnish, French, German, Italian,
Norwegian, Polish, Portuguese, Spanish and Swedish)

Phonebook
Maximum name length: 16 characters
Maximum number length: 22 digits
Entries: 100

Telephony
Indication: Ring signal (5 different), flashing LED and vibrator
Answer call: Button press or automatically
Call list storage capacity: 20 received², made and missed² calls with time stamp

Messaging²
Message length: System dependent
Storage capacity: 20 messages (totally max 20000 characters)

Alarm²
Location types:
Closest DECT Base station as standard
9dLD Location Devices as option
Alarm types:
2 push button alarms
No-movement, Man-down and Pull-cord alarms as option

DECT
Number of subscriptions: 4 systems, automatic or manual selection

Radio
SAR¹⁰⁻¹⁰⁻¹⁻⁰ g (Specific Absorption Rate): 0.025 W/kg

Endurance
Enclosure protection: IP64, EN 60529
Free fall test: IEC 60068-2-32 procedure 1 Dropped 12 times from 1 m

Compliance to European regulations and standards
EU directives: 73/23/EEC(LVD), 89/336/EEC(EMC), 1999/5/EC (R&TTE)
Product marking: CE
DECT: EN301406, TBR10, TBR22
SAR: EN50360
Safety: EN60950-1:2001
EMC: EN301489-1, EN301489-6
### Compliance to other regulations and standards

<table>
<thead>
<tr>
<th>Function</th>
<th>9d24 MkII Messenger</th>
<th>9d24 MkII Protector</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIM card with phonebook</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Vibrator</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Microphone on/off during call</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Loudspeaking function</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Headset connector</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Messaging²</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Acknowledge²</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Interactive messaging²</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>SMS (Short Message Service)²</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Data Send²</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Data with prefix²</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Personal alarm²</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Alarm with Data²</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Location, base stations²</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Location, DECT locators²</td>
<td>-</td>
<td>Option</td>
</tr>
<tr>
<td>No-movement alarm &amp; Man-down²</td>
<td>-</td>
<td>Option</td>
</tr>
<tr>
<td>Pull-cord alarm²</td>
<td>-</td>
<td>Option</td>
</tr>
</tbody>
</table>

1. Not applicable with loudspeaking function
2. System dependent feature

Specifications are subject to change without notice.