9d24 MkII Messenger

Features
- 2 in one – messaging and cordless telephone
- Robust, dust and waterproof, IP64 classified
- 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 × w × d): 134 × 60 × 27
Weight: 130 g (battery included)
Material: Case: PC/ABS and TPE (free from silicone)
Keypad: PC/ABS, illuminated by LED's (light emitting diodes)
Colour: Dark grey and Graphite
Light grey and Grey (Medic)
Display (w × h): 128 × 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 time** / **stand-by time:** 12 h / 120 h
- **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 received\(^2\), made and missed\(^2\) calls with time stamp

### Messaging\(^2\)
- **Message length:** System dependent
- **Storage capacity:** 20 messages (totally max. 20000 characters)

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

### Radio
- **SAR\(_{10g}\) (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
- **DECT standard (AUS):** ACA TS028
- **Product marking (AUS):** △
- **Safety (AUS):** IEC 60950-1
- **SAR (AUS):** ACA RS 2003
<table>
<thead>
<tr>
<th>Functions</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>
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<td>Yes</td>
</tr>
<tr>
<td>messaging</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>acknowledge</td>
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<td>Yes</td>
</tr>
<tr>
<td>interactive messaging</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>SMS (short message service)²</td>
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<td>Yes</td>
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<tr>
<td>data send</td>
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<td>Yes</td>
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<tr>
<td>data with prefix</td>
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<td>Yes</td>
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<tr>
<td>personal alarm</td>
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<td>Option</td>
</tr>
<tr>
<td>alarm with data</td>
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<td>Option</td>
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<tr>
<td>location, base stations</td>
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</tr>
<tr>
<td>location, DECT locators</td>
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<td>Option</td>
</tr>
<tr>
<td>no-movement alarm &amp; man-down</td>
<td>-</td>
<td>Option</td>
</tr>
<tr>
<td>pull-cord alarm</td>
<td>-</td>
<td>Option</td>
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</table>

1 Not applicable to loudspeaking function
2 System dependent feature

Specifications are subject to change without notice.