

## 9d24 MkII EX-Messenger and 9d24 MkII EX-Protector

### Features

- Intrinsically safe for both Gas and Dust
- 2 in one – messaging and cordless telephone
- Robust, dust and waterproof, IP64 classified
- Large, mechanically protected and scratch-proof display
- Illuminated display
- 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)
- 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
Colour:	Dark grey and Graphite
Display (w × h):	128 × 64 pixel LCD, illuminated by LED's (light emitting diods)
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. 90 dB SPL @ 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

\* Not applicable to loudspeaking function

**Settings**

Languages:	12 (Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Polish, Portuguese, Spanish and Swedish)
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**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 <sup>2</sup> , made and missed <sup>2</sup> calls with time stamp

**Messaging<sup>2</sup>**

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

**DECT**

Number of subscriptions:	4 systems, automatic or manual selection
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**Radio**

SAR <sub>10g</sub> (Specific Absorption Rate):	0.025 W/kg
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**Endurance**

Enclosure protection:	IP64, EN 60529
Free fall test:	IEC 60079-0:1999, EN 50014:1997

**Compliance to European regulations and standards**

EU directives:	89/336/EEC(EMC), 1999/5/EC (R&TTE), ATEX Directive 94/9/EC
Product marking:	CE 
DECT:	EN301406, TBR10, TBR22
SAR:	EN50360
EMC:	EN301489-1, EN301489-6
ATEX:	EN 50014:1997 + A1 + A2, EN 50020:2002, IEC 60529:2001, IEC 61241-0:2004 + C1 and IEC 61241-11:2005

**Explosive atmosphere \***

EC-Type-Examination Certificate: Sira 05ATEX2310 /  
 Classification:  
 II 2G EEx ib IIC T4  
 II 3D Ex ibD 22 IP64 T50°C

*\* The approvals are valid exclusively for surface industry. Ascom explosion protected portable 9d24 MkII shall therefore not be used in mining (underground) location.*

*Ascom Tateco AB does not support or take responsibility for any change in the product or its designation:*

*II 2G EEx ib IIC T4*

*II 3D Ex ibD 22 IP64 T50°C*

In combination with EX-version, use approved battery types only, see EC Type Examination Certificate Sira 05ATEX2310 and following supplements.

The documents mentioned above and the EC Declaration of Conformity can be found at [http://www.ascom.com/ws/products\\_ws.htm](http://www.ascom.com/ws/products_ws.htm) and [www.IECEx.com](http://www.IECEx.com)

Functions	9d24 MkII EX-Messenger	9d24 MkII EX-Protector
SIM card with phonebook	Yes	Yes
Vibrator	Yes	Yes
Microphone on/off during call	Yes	Yes
Loudspeaking function	Yes	Yes
Headset connector	Yes	Yes
Messaging*	Yes	Yes
Acknowledge*	Yes	Yes
Interactive messaging*	Yes	Yes
SMS (Short Message Service)*	Yes	Yes
Data Send*	Yes	Yes
Data with prefix*	Yes	Yes
Personal alarm*	-	Yes
Alarm with Data*	-	Yes
Location, base stations*	-	Yes
Location, DECT locators*	-	Yes
No-movement alarm & Man-down*	-	Yes

\* System dependent feature

*Specifications are subject to change without notice.*