9d23 Messenger & Protector MkII and Desktop charger

Features

- Robust design for use in tough environments
- "SIM" card for identity and personal settings
- Text and voice in one unit
- Graphic illuminated display
- Expandable no. of rows in display (up to 4)
- Adjustable size of characters
- Up to 128 characters per message
- Speech time: 10 hours
- Standby time: 100 hours
- Phone book with capacity of storing 75 entries
- Possibility to re-dial last 20 dialled numbers
- 10 programmable Hot keys
- 10 different types of ring signals for voice
- Mute button for silent mode
- IP54-classified
- Integrated antenna
- Environment friendly NiMH battery

General

The 9d23 is part of the Ascom 9d System and is a robust and handy IP54-classified cordless handset designed for people working in tough environment. The handsets are suitable for users dependent of being reachable and/or dependent of high personal security level.

The handset is equipped with a SIM-card that contains all personal settings such as; identity codes, parameters and telephone book. The SIM-card can easily be placed in a new 9d23 without losing any personal data. The functions are the same as a desk telephone but in addition the cordless handsets are able to receive text messages and 9d23 Protector can also send personal alarm.

Alarm and messaging features requires corresponding support from the central equipment.

Application

The 9d23 is easy to handle as all operation is carried out with help of menus shown in the display, and four buttons situated below the display. Icons shown in the display indicate the status or mode of the unit. Incoming calls are indicated by the LED and the ringing signal. An incoming text message is indicated by the LED and an alert tone. The 20 most recently received messages are stored in a memory, and each message can consist of up to 128 characters. At long text messages, the character size decreases and the number of rows in display expands up to four rows. Stored messages can be recalled and displayed at any time.

Personal alarm can be manually initiated, or automatically when optional "no-movement alarm" is activated. It is also possible to add data for example a location code, and send along with an alarm.

Functions can be assigned to the ordinary number buttons; up to ten "hot-keys" for single button activation can be created. It is also possible to add data to a "hot-key" (can for example be used to open a door).

When not in use, 9d23 MkII is stored in the desktop single charger, or the wall mounted charging rack RC23 (see data sheet TD 92084GB).

Desktop charger

The desktop single charger charges the cordless handset or an extra battery within two hours. A LED indicates with red light when charging and changes to green light when fully charged.

Technical specifications are listed on the following page

Technical Specifications

Dimensions (L x H x D)	142 x 51 x 21 mm
Weight	190 gram (incl. NiMH battery)
Display	Graphic 40 x 121 pixels LCD, backlight
Battery type	900 mAh NiMH
Operation temperature	0°C – +40°C
Speech time/standby time	10 h/100 h (NiMH)
Code plug	"SIM" card type
Specifications	DECT/GAP
Number of subscriptions	4 DECT systems
Enclosure protection	IP54-classified
Free fall test	IEC 68-2-32 Ed procedure 1 Dropped 12 times from 1 m
SAR_{10g} (Specific Absorption Rate)	0.005 W/kg
EMC -ESD Contact:	8kV (DECT specifications=4kV)
-ESD Air:	16kV (DECT specifications=8kV)

Desktop charger for 9d23

Dimensions (L x H x D)	109 x 76 x 69 mm
Weight	105 g
Case	PC/ABS
Operation temperature	+10°C – +40°C
Power supply	230 V/ 9-12 V, 0.4 A
Charging time	~2 h

Functions	9d23 Messenger MkII	9d23 Protector MkII
SIM card	Yes	Yes
Phone book	Yes	Yes
Expandable no. of rows in display (up to 4 rows)	Yes	Yes
Adjustable size of characters	Yes	Yes
128 characters message	Yes	Yes
Vibrator	Option	Option
Personal alarm	-	Yes
No-movement alarm	-	Option
Acknowledge	Yes	Yes
Data Send	Yes	Yes
Alarm with Data	-	Yes
Pull Cord alarm	-	Yes
Location	-	Yes
Geprüfte sicherheit (GS) approval	-	Option

Accessories	9d23 Messenger MkII	9d23 Protector MkII
Headset [1)]		
with mic	Yes	Yes
with hearing protection	Yes	Yes
Desktop charger for 9d23	Yes	Yes
Charging Rack, RC23	Yes	Yes
Belt Clip		
hinge type	Yes	Yes
swivel type	Yes	Yes
Leather case	Yes	Yes
Security chain	Yes	Yes
Spare batteries	Yes	Yes
with headset connector [2)]	Yes	Yes

1) Requires battery pack with headset connector
2) Not IP54 classified

Specifications are subject to change without notice