

DT4xx cordless phones DPANB 220 01/n, DPANB 220 02/n, DPANB 220 03/n and DPANB 220 04/1

Versions

DPANB 220 01/1 : DT400

DPANB 220 01/2 : DT400 with vibrator

DPANB 220 02/1 : DT410

DPANB 220 02/2 : DT410 with vibrator

DPANB 220 03/1 : DT420

DPANB 220 03/1 : DT420 with vibrator

DPANB 220 03/1 : DT420 with vibrator and no-movement alarm

DPANB 220 04/1 : DT430 Ex (IP64)



Features

- Robust design for use in industrial environments
- SMS¹⁾, voice and alarm²⁾ in one unit
- 2 x 12 alphanumeric characters illuminated display
- Up to 120 characters per message
- 10 hours talk time
- 100 hours standby time
- Phone book with capacity of storing 75 entries
- Redial last 10 dialled numbers
- 10 programmable hot keys
- 10 different types of ring signals with 7 different ringing speeds
- Mute button for silent mode
- IP54 classified for water and dust resistance ²⁾
- IP64 classification for the DT430
- Intrinsically safe according to EEx ib IIC T4 (DT430)
- Integrated antenna
- DECT/GAP compliant
- Environment friendly NiMH battery

General

The DT4xx series cordless phones are robust and handy phones designed for people working in industrial environments. They are suitable for users who must always be reachable and/or who must be able to give a personal alarm by means of an alarm button or no-movement detection.

There are four versions of the DT4xx series cordless phones; DT400, DT410, DT420 and DT430. The DT400 is a voice-only phone. The other versions are able to receive text messages. Table 1 gives an overview of the functions supported by these phones.

The cordless phone has the same functions as a wired telephone, but in addition it is able to receive SMS messages and to send alarm²⁾.

The 10 most recently received messages are stored in a memory. Each

message can consist of up to 120 characters. A stored message can be recalled and displayed at any time.

If the alarm button is pressed a message is sent to a messaging system, which, for instance, can send a pre-defined message to other cordless phones.

The DT430 is equipped with a no-movement alarm. For the DT420 this is an option. When the no-movement alarm is triggered a message is sent to a messaging system, and appropriate actions can be taken.

The DT4xx cordless phones are equipped with a SIM-card that contains all personal settings such as identity codes, parameters and a phone book. If needed the SIM-card is easily placed in a new DT4xx without losing any personal data.

¹⁾ No SMS messages in the DT400

²⁾ No alarm in the DT400 and DT410

³⁾ Does not apply when using a headset

The DT400, DT410 and the DT420 are IP54 classified, which means that they are water and dust resistant³⁾. The

DT430 is intrinsically safe and IP64 classified.

When not in use, the DT4xx is stored in the desktop charger which is orderable by product code NTM/DPYNB 220 01/n.

Functions DT4xx	DT400	DT410	DT420	DT430
SIM card	Yes	Yes	Yes	Yes
Reception of SMS message (120 characters)	No	Yes	Yes	Yes
Vibrator	Factory Option	Factory Option	Factory Option	No
One push-button alarm	No	No	Yes	Yes
No movement alarm	No	No	Factory Option	Yes
Intrinsically safe	No	No	No	Yes
Calling Line Identification Presentation	Yes	Yes	Yes	Yes
Message Waiting Indication	Yes	Yes	Yes	Yes
Phone book (number of entries)	75	75	75	75
Last dialled list (number of entries)	10	10	10	10
Last received Messages and WhoCalled List (on not answered calls) (number of entries)	10	10	10	10
Short number dialling (number of entries)	10	10	10	10
Number of subscriptions	4	4	4	4

Table 1 Function overview DT4xx cordless phones

User interface

The DT4xx is easy to handle as all operation is carried out with help of menus shown in the display, and four buttons situated underneath the display. As mentioned, the DT4xx can be used as a pocket telephone, a SMS message receiver and an alarm transmitter.

An incoming call is indicated by the LED, the ringing signal and optional vibrator. An incoming text message is indicated by the LED, the alert tone and optional vibrator.

The personal alarm is manually initiated by pushing a red button situated on top of the DT420 and DT430, or

automatically when the no-movement alarm is activated (option for DT420).

Icons shown in the display indicate the status or mode of the cordless phone.

The desktop charger charges the cordless phone, or an extra battery, within one hour.

Specifications

Specifications subject to change without prior notice.

Physical

Size (l x w x h)	: 142 x 51 x 21 mm
Weight	: 190 grams (incl. NiMH)
Material housing	: ABS/PC
Material key tree and volume keys	: silicone rubber
Material clip	: PA/SS2331-41

Environmental

Operation temperature	: 0°C to +40 °C
Storage temperature	: -20 to 70 °C
Operating relative humidity	: 15 to 90%
Storage relative humidity	: 5 to 95%
Water and dust resistant	: IP54 for DT400, DT410 and DT420 IP64 for DT430
Robustness	: IEC 68-2-32 (procedure 1)

Ringer output

Maximum sound output level	: 93 dB(A) typical at 30 cm
Volume levels	: 5

Battery

Battery type	: 900 mAh NiMH
Talk time	: 10 hours typical
Standby time	: 100 hours typical
Charge time	: 1 hour typical

Compliance to regulations and standards

CE regulation	: 73/23/EEC, 89/336/EEC, 91/263/EEC and 93/68/EEC
DECT standards	: CTR6, CTR10 and TBR22
Safety standards	: EN60950 class III
EMC standard	: ETS 300 329 and ESD 8 kV by contact and 16 kV by air