



private Emergency Call



Emergency Call Fall Detection Smoke Alarm Detection Reminder Time Control

Telephone Book Hands-free Telephone home-based DECT System Voice Assistant

DATA SHEET

Technical Specification

please browse website for updated Data Sheet

GENERAL DATA

size (L*W*D)	70*42*14 [mm]
weight	45g
operational temperature	+5° till 45° Celsius
storage temperature	-15° till 55° Celsius
	non-condensing
protection	splash protected IP64
mechanical stress	till 2m fall height
housing	high gloss plastic white
	rubber seal in 5 colors
necklace	80cm / length adjustable
	breaking point at 4kg tension load
Call Button	central with LED and Vibration
Side Keys	waterproof
LED	Ring LED for operational states
	point LED for states BATT and DECT
Loud Speaker	high sound level
Microphone	all around characteristic
USB (for configuration)	Micro USB
Battery	Li-Ion-Polymer 450mAh
Standby	typ 72h
Standard Operation	typ 48h
contactless Charging	Qi Standard

RADIO SYSTEM

DECT ETSI Standard CI	ETS 300 175
DECT ETSI Standard GAP	EN 300 444
DECT GAP EU, US	Auto Detect
Operation in Europe, USA	Auto Mode
Range	typ 50m within building
	typ 300m outdoor
DECT chipset	DCX79 (DSPG)
DECT Handset Stack (PP)	DOSCH&AMAND
Hands-Free Telephone	premium Audio quality
Compatibility	all DECT GAP Base Stations
Subscription	Plug & Play via "easy subscription"
PIN Basis individual	up to 8 numbers via PC APP

FALL DETECTION

Configuration	none
Ready-for-Operation	instantly
Extraction of Characteristics	DPDM
DPDM Algorithm	„Dosch Probability Density Model“
Fall detected	within 1,25 sec
Announcement Fall detected	delayed to 5 sec
	automatic Help- and Emergency Call Sequence
Help Call Sequence	3 help + 1 emergency
iVA announcement	fall event, person, address, access
iVA	integrated Voice Assistant
„Product to Floor“ event	configurable ON/OFF
False Alarm (all movements)	typ <2%
with option abortion	0%
False Alarm „Product to Floor“	typ <0,5%
Fall Detection (all events)	typ >85%
easy falls	typ >75%
heavy falls	typ >95%
3D/6D acceleration sensor	LIS3DH
Power consumption - idle state -	2µA



Control Elements



Charging Disk according Qi Standard contactless charging



„easy subscription“ via Call Button
Registration to home-based DECT station
eg Fritzbox, Speedport, Gigaset, Panasonic, Philips



Fall Detection via DPDM algorithm
False Alarms typ <2%
Fall Detection Rate typ >85%

EMERGENCY CALL



manual HELP calls	Call Button > 2sec
or multiple pressing button	with iVA message
Abortion	Call Button
HELP call numbers (with iCM)	3
Name and Telephone Number	Family, Friends, Neighbours
Repetitions	adjustable 0-9
Announcement of called Name	iVA
Dialling Process	secured via iCM
Detection of invalid calls	iCM
ICM	intelligent Call Manager
EMERGENCY Call number (w/o iCM)	1
professional help, Service Call Center	



Emergency Call via Call Button
3 help calls (family, friends, neighbour)
1 emergency call (professional help, Call Center)

automatic HELP calls	Fall and Smoke Alarm Detection
HELP call numbers (with iCM)	3
Name and Telephone Number	immediate help (neighbour, house keeper)
Repetitions	ex works setup 0
Announcement of called Name	iVA
Dialling Process	secured via iCM
Detection of invalid calls	iCM
EMERGENCY Call number (w/o iCM)	1
professional help, Service Call Center	



automatic Help and Emergency Call
in case of Fall or Smoke Alarm detected
„Help will be called, please wait“

CONTACT to FAMILY & FRIENDS



Telephone Book, number of entries	10
Tel-Number with Name	PC APP
Conversion Name into Audio	T2A Encoder
T2A	Text-to-Audio
Announcement Names	via iVA
Incoming Call with Caller Name *1)	„Susan is calling“
Auto-Hook-Off	*1) configurable per number
*1) DECT Base Station with CLIP requested	
Outgoing Call Ruf via contact name	„calling Martin?“
Selection of Name	via side key



Contacts via Names
up to 10 contacts

REMINDER



number of Reminders per day	5
typical Application Area	take medication
Time and Instruction	PC APP
Conversion Instruction into Audio	T2A Encoder
T2A	Text-to-Audio
Announcement Time and Instruction	via iVA
System Time	24h format
Setting	automatic via PC APP
*2) automatic with DA1422 System	
remote via call + DTMF Code	
DMTF Code (<i>hier: english language</i>)	#TIME#mmhh#
mmhh example 9h45	0945
Announcement Spooler (device busy)	15min
*2) DA1422 SOS DECT Station (Basis + HS) on request	



up to 5 Reminders per day
„9Uhr45“ „please take pills“

SMOKE ALARM DETECTION



Configuration	none
Ready-for-Operation	instantly
compatible with	all Smoke-/Heat Detectors
Activation	automatic on Charging Disk
Audio Analysis	SWEEP Comb Filter
Detection Rate	typ >99%
False Alarm	typ <0,1%
Alarm Progression	situative
automatic Help Call Sequence	3 help + 1 emergency
iVA informs about smoke event, person, address, access	
iVA	integrated Voice Assistant
HELP call numbers (with iCM)	3
immediate help (neighbour, house keeper)	
Repetitions	ex works setup 0
Announcement of called Name	iVA
Dialling Process	secured via iCM
Detection of invalid calls	iCM
EMERGENCY Call number (w/o iCM)	1
professional help, Service Call Center	



reliable SMOKE ALARM Detection
SWEEP Comb Filter Analysis
Detection Rate typ >99%
False Alarm typ <0,1%

PC APP



compatible with	WIN7/WIN10
included in scope of delivery	USB stick
Configuration and Data Storage	locally on USB stick
Easy Handling	no skills necessary
language PC APP	automatic
available languages (rev June 2019)	7
	German * Turkish English * French * Dutch * Spanish * Italian



local PC APP via USB to WIN PC

System Aids

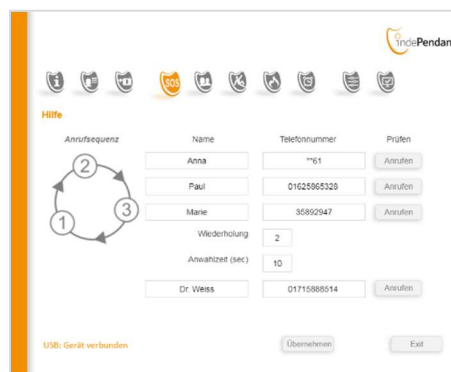
System Time	automatic via PC time
Version	Software Release
registered Base Station	RFPI Number
Upgrade	new device Firmware
Subscription to Base Station	PIN up to 8 numbers
De-Register	from Base Station
RESET	Restart
RESET	ex works settings

Personal Settings

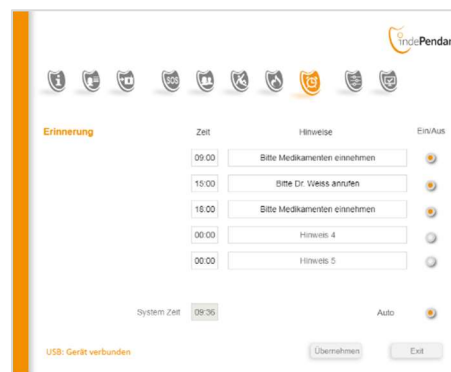
Personal Data	Name, Address, Access
Telephone Book	10 Numbers with Names
manual Help Call	Call Sequence + Repetition
Fall Detection	Call Sequence + Repetition
Smoke Alarm Detection	Call Sequence + Repetition
Reminders	Time + Instruction

Audio Settings

iVA Voice Assistant	instantly operational
available languages (rev June 2019)	7
	German * Turkish English * French * Dutch * Spanish * Italian more languages on request
	loudness in 5 steps, ex works: medium
Ringling	5 polyphonic melodies, ex works: Old Style
	loudness in 5 steps, ex works: medium
Telephony	loudness in 5 steps, ex works: medium



Configuration Sheet: manual Help Call

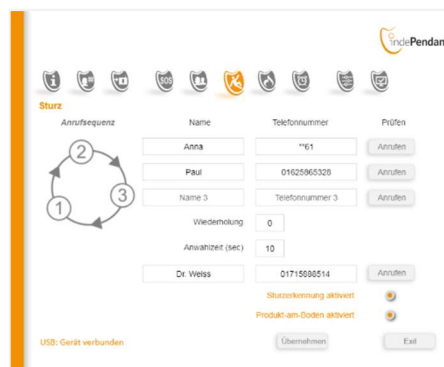


Configuration Sheet: Reminders

ICM intelligent CALL MANAGER

Call Monitor & Analyzer all Call Sequences
 Targets Detection of invalid Calls
 secure execution of Call Sequences
 Detection of Busy Tone
 automatic Release of Calls after Busy Tone

Invalid Calls release 06.2019
 to Mobile Phones out-of-range
 switched off
 Answering Machine
 to any phone Answering Machine w/o dial tone
 Call with call duration <2 sec
 Duration of dialling beyond configured Ringing Time



securing Call Sequence for Fall and Smoke Alarm detecting invalid Calls and Connections

IVA integrated VOICE ASSISTANT

available languages (rev June 2019) 7
 German * Turkish
 English * French * Dutch * Spanish * Italian
 more languages on request
 or download via Support Website

Application Areas
 personal data Name, Address, Access
 announcement in automatic calls
 Telephone Book Names instead of Numbers
 Help Call Information about Status of Calls
 Reminder Time and Instructions
 Error Messages for all operations
 Warnings Battery and DECT range
 situative remarks e.g. Fall Events



MODELS and TYPES

Class of Product DECT Emergency Call System
 Type DA1432
 Description DECT indePendant
 color of rubber seal black, blue, green, orange
 Color Code 01 02 03 04

TYPES

DA1432C DECT indePendant Classic
 Identnumber 1432.1001.<Color Code>
 w/o Fall and Smoke Alarm Detection

DA1432P DECT indePendant Pro
 Identnumber 1432.1000.<Color Code>
 with Fall and Smoke Alarm Detection

MODELS

private Emergency Call w/o Service Provider
 Standard Version
 PC APP all Settings individual

Service Provider Model with Service Provider
 ADMIN Configuration via ADMIN USB Stick
 Configuration Emergency Number(s)
 PC APP Subscription to Base Station
 no access to ADMIN Configuration

SET-into-OPERATION

precondition WAN link and DECT Base Station

Plug & Play in 2 steps operational
 1. subscribe to Base Station press Call Button
 2. external Call to check OK Ringing, Hook Switch

automatic apply/use 1. call
 for telephone book Tel No 10
 for all Emergency Calls manual, Fall, Smoke Alarm

individual configuration via PC APP
 precondition PC with WIN7/WIN10

remote configuration on request
 release 06.2019 not included

SCOPE of DELIVERABLES

Emergency Caller DECT indePendant
 Charging battery Qi charging Disk
 connection Qi Disk and PC USB cable
 Power Supply Qi Disk USB Power Supply
 PC APP and Data storage USB stick
 Application necklace
 Set-into-Operation Get-Started leaflet

not included
 DECT Base Station no configuration necessary
 Home-based DECT System
 according DECT GAP Standard
 e.g. Fritzbox, Speedport, Gigaset, Panasonic, Philips,

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