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PNG Configuration for
Gigaset M2 plus professional,
Gigaset M2 Ex professional

Service Manual

A31003-G2100-S100-2-7620

Our Quality and Environmental Management Systems are implemented according to the requirements of the ISO9001 and ISO14001 standards and are certified by an external certification company.

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Contents

1 Introduction

Contents

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1.1 Overview

The Gigaset M2 *plus* professional and Gigaset M2 Ex professional handsets can be used as personal alarm signal devices with a voice communication facility (PNG-S).

The handsets offer a range of features to support automatic or deliberate alarm signalling.

The PNG-S monitors the person and signals an alarm when alarm conditions are identified.

The following types of alarms and signals are available:

- Man Down Alarm, Non Movement, Escape Alarm:
  The integrated motion sensor technology recognises motionlessness, detects deviation from an upright position and sudden movement.

- Pull Cord Alarm:
  The system recognises when a magnetic contact, which is plugged in on the underside of the handset and which can be attached to a person via a cord, is detached.

- Time Alarm:
  The user's ability to respond can be checked through regular operation of the handset. The user is requested to make an entry at regular intervals.

- Deliberate alarm:
  Users can trigger an alarm by activating the emergency key.

- Signal in the event of a technical fault:
  The handset identifies local technical faults and signals them to the user. Example: the handset is not receiving any signals or the battery charge is too low. The user can then take action to rectify the fault.

A prealarm informs the monitored individual about an imminent alarm. The alarm can be reset during the prealarm debounce period in order to prevent false alarms.

The response time, prealarm time, sensitivity level, alarm signal (where applicable) and alarm destination can be set for each alarm type.

> Settings that do not comply with BGR 139 (German Accident Prevention Regulation 139) are not approved for BGR-139 applications.

1.2 Data Protection and Data Security

This system processes and uses personal data for purposes, such as, call detail recording, displays, and customer data acquisition.

In Germany, the processing and use of such personal data is subject to various regulations, including those set down by the Federal Data Protection Law (Bundesdatenschutzgesetz, BDSG). Observe all applicable laws in other countries.

Employees of Unify are bound to safeguard trade secrets and personal data under the terms of the company's work rules.

A conscientious and responsible approach helps protect data and ensure privacy:

- Use the password features of the system with no exceptions. Never provide an unauthorized person with passwords either orally or in writing, for instance.

- Prevent unauthorized persons from gaining access to storage media, such as, backup diskettes or log printouts. Access should also be prevented during service calls as well as when storing and transporting data.

- Ensure that data media which are no longer required are completely destroyed. Ensure that documents are not generally available.

1.3 Typographical Conventions and Symbols Used

The following symbols are used throughout this manual:

> The "i" indicates useful tips.

> **Safety Information**
> This symbol indicates dangers.

1.4 Reference Manuals

Documentation	Part Numbers
Operating Manual HiPath 3000, HiPath 4000, Gigaset S310 ISDN professional Personal alarm device Gigaset M2 *plus* professional Gigaset M2 Ex professional	A31003-G2100-U104-*-**7619
Operating Manual HiPath 3000, HiPath 500 Gigaset M2 professional Gigaset M2 *plus* professional Gigaset M2 Ex professional to HiPath Cordless Office	A31003-G2100-U102-*-**7919
Operating Manual HiPath 4000 Gigaset M2 professional Gigaset M2 *plus* professional Gigaset M2 Ex professional to HiPath Cordless Enterprise	A31003-G2100-U103-*-**7619
Service Manual HiPath 3000 V6.0, HiPath 5000 V6.0	A31003-H3560-S100-*-**7620
Service Manual HiPath 4000 V3.0	A31003-H3130-S104-*-**7620

Table 1-1　　　Reference Manuals

2 PNG Configuration in Compliance with BGR 139

For compliance with BGR 139, handsets may only be configured and operated by trained service personnel.

This manual describes how to configure the handset and indicates BGR-139-compliant settings where applicable.

> Settings that do not comply with BGR 139 (German Accident Prevention Regulation 139) are not approved for BGR-139 applications.

Activating the PNG functionality blocks certain handset settings for normal users (for instance, PNG Configuration, Reset Handset, Select Base , Register H/Set, etc.).

You are requested to enter a PNG service PIN when you try to activate a blocked function. The function will only activate if you enter the correct PIN.

3 PNG-S in a HiPath Alarm Signal System (HNA)

The HiPath Alarm System is based on the HiPath Cordless Enterprise CMI 3.0 from CV 330. The control centre for this PNA system (personal alarm signal system) is the emergency call receiving centre (PNEZ).

The PNEZ controls the PNG-S and responds to its signals and alarms. The CLIP (Calling line identification presentation) information in the Setup message is required at connection setup for PNG-S operation.

> ⚠️ The HiPath alarm signal system supports BGR-139-compliant operation. Ensure that the permitted values are used when configuring the PNG-S.

The PNEZ triggers a function test for the alarm facilities every time monitoring is activated.

Monitoring is activated by the PNEZ if the function test is successful.

Alarm calls from the PNG-S are sent to the configured alarm destination.

In order to ensure that the alarm calls reach the alarm destination they are repeated until an alarm recall by the PNEZ has been identified or the set number of call repeats has been reached. However, there is no guarantee that all alarm calls will reach the programmed destination. Consequently, the PNEZ checks the communication channels to the PNG-S and establishes contact with the PNG-S on a cyclical basis. If there are no replies, a technical alarm is generated in the PNEZ and emergency services are deployed.

Localisation can be performed to pinpoint the position of the handset and the party signalling the alarm.

During alerting, the PNG-S emits an alarm signal, which is used to pinpoint the individual triggering the alarm more precisely.

The PNEZ is responsible for resetting alarms and deactivating monitoring. In doing so, the PNEZ checks whether or not deactivation is permitted and checks place of deactivation, for instance, as a criterion.

4 PNG-S in HiPath Cordless Office

The handset works without a control centre when operating in HiPath Cordless Office. A PNEZ is not available to a HiPath Cordless Office.

⚠	This type of operation does not conform to BGR 139.

You can choose how to set the PNG parameters and configure the handset to suit your requirements.

Monitoring is activated directly by the handset.

The alarm functions are not tested. However, you can check the alarm function when monitoring is active by triggering the relevant alarm event.

PNG-S alarm calls are routed to the alarm destination set.

In order to ensure that the alarm calls reach the alarm destination they are repeated until the alarm call count has been reached or until alarm repetition has been interrupted manually on the handset.

An alarm recall to confirm the alarm call (ending the alarm repeats and possibly the silent monitoring of the person sending the alarm) is only possible on HiPath 3000 versions which support CLIP transmission in the setup message. Bear this in mind when configuring the number of alarm repetitions.

The required control ports must be set in the mobile phone for the alarm callback. See Section 7.2.5, "Control Ports".

Monitoring is deactivated directly on the handset.

Restriction

Despite alarm repetitions, there is no guarantee that all alarm calls will reach the programmed destination.

Configuration tip

To ensure that the PNG-S can start up without PNEZ, the "PNEZ Basis" parameter must be deleted from the PNG configuration. See also Section 7.2.1.2, "PNEZ Basis (Number Configured)" and Section 7.2.1.3, "PNEZ Basis (Number Deleted)".

5 PNG-S in Gigaset Base

The Gigaset S310 ISDN base is connected to an ISDN port of the HiPath 3000 or HiPath 4000. The handset is configured as a personal alarm device at this base.

The handset operates without a control centre when working in Gigaset base (unless Gigaset base does not support the required CLIP protocol).

> ⚠ This type of operation does not conform to BGR 139.

You can choose how to set the PNG parameters and configure the handset to suit your requirements.

Monitoring is activated directly by the handset.

The alarm functions are not tested. However, you can check the alarm function when monitoring is active by triggering the relevant alarm event.

PNG-S alarm calls are routed to the alarm destination set.

In order to ensure that the alarm calls reach the alarm destination they are repeated until the alarm call count has been reached or until alarm repetition has been interrupted manually on the handset.

It is not possible to call back the central office to end repetition of the alarms due to failure of CLIP transmission (in the Setup message). Bear this in mind when configuring the number of alarm repetitions.

Monitoring is deactivated directly on the handset.

Restrictions

It is not possible to send an alarm signal to an internal station on the base.
Despite alarm repetitions, there is no guarantee that all alarm calls will reach the programmed destination.

> ⚠ Ensure that no other handsets operating in conjunction with the base are able to block the line.

Configuration tip

To ensure that the PNG-S can start up without PNEZ, the "PNEZ Basis" parameter must be deleted from the PNG configuration. See also Section 7.2.1.2, "PNEZ Basis (Number Configured)" and Section 7.2.1.3, "PNEZ Basis (Number Deleted)".

6 Activating the PNG Functionality on the Handset

The PNG functionality only activates on Gigaset M2 *plus* professional and Gigaset M2 Ex professional handsets when the PNG memory card is installed.

The *plus* accessory pack is included in the Gigaset M2 *plus* professional delivery. The *plus* accessory pack must be ordered for Gigaset M2 Ex professional.

The PNG memory card is included in the *plus* accessory pack. This memory card must be inserted into the memory card retainer in the handset's battery compartment. Replace an existing memory card with the PNG memory card. For information on how to proceed, see the Operating Manual*.

*: Operating Manual "HiPath 3000, HiPath 4000, Gigaset S310 ISDN professional – Personal Alarm Device – Gigaset M2 plus professional, Gigaset M2 Ex professional"

6.1 PNG Menu

Additional PNG menu items appear on the handset under the **Add. Features** main menu when the PNG functionality is active:

Menu item	Description
PNG Configuration	Contains all submenus for setting the parameters that govern the handset's PNG behaviour.
PNG Activation	Activates or deactivates monitoring.

Table 6-1 Additional PNG menu items

6.2 Emergency Key

The emergency key operates as a programmable key (like the left softkey or the keys 0, 2 … 9) before the PNG memory card is inserted.

The emergency key is used to trigger a deliberate alarm when the PNG memory card is inserted. This is configured via the **Add. Features** -> **PNG Configuration** menu. The emergency key is used to trigger an alarm when an alarm destination is configured.

6.3 Preventing PNG Configuration Changes

Activating the PNG functionality blocks certain handset settings for users (for instance, PNG Configuration, Reset Handset, Select Base , Register H/Set, etc.).

You are requested to enter a PNG service PIN when you try to activate a blocked function. The function will only activate if you enter the correct PIN.

6.4 Emergency Alarm Deactivation

The handset cannot be switched off in monitoring mode (monitoring LED flashing) or alarm mode (monitoring LED permanently lit).

Users can perform "emergency alarm deactivation" at the handset if they are unable to deactivate an alarm during handset alerting because the handset was not properly configured, for instance.

Emergency alarm deactivation is reserved for PNG Service. In other words, emergency alarm deactivation is, like other configuration changes, protected by the "PNG Service PIN".

> ⚠ **Caution**
> Emergency alarm deactivation does not conform to BGR 139. During regular operation, deactivation must be performed by the PNEZ.

Procedure

1. Press and hold down the On-hook key during an alarm interval. The PNG requests the "PNG Service PIN".

2. Enter the "PNG Service PIN". The alarm status is deactivated at the handset once the PIN has been entered.

> ⚠ **Caution!**
> If the PNG is being operated without PNEZ (Configuration: "PNEZ Basis" = "blank"), this is deactivated without requesting the PNG Service PIN.

7 PNG Configuration

Contents

This chapter contains the following sections:

- Section 7.1, "Overview"

- Section 7.2, "Alarm Configuration"

- Section 7.3, "Adjust Sensor"

- Section 7.4, "PNG Service PIN"

- Section 7.5, "Factory Defaults"

7.1 Overview

PNG Configuration is displayed under the **Add. Features** icon in the main menu once the PNG function has been activated. This allows PNG-specific parameters to be configured. This configuration may only be carried out by trained PNA system service staff (referred to throughout as PNA Service).

PNG configuration menus are protected from unauthorized/unintentional changes by the PNG user by means of a five-digit PIN code.

⚠ PNA Service is responsible for allocating the PIN code and for keeping it confidential.

You are requested to enter the PNG service PIN when you try to activate a PNG menu. The menu can only be accessed once the password has been entered correctly. The "PNG Service PIN" is initially set to "00000". PNA Service must set this PIN to a "confidential" value before handing the handset over to the PNG user. For more information, see Section 7.4, "PNG Service PIN".

The PNG Configuration menu features the following submenus:

- Alarm Configuration

- Control Ports

- Adjust Sensor

- PNG Service PIN

- Reset to default

The following sections contain descriptions of the menus listed here and their configuration options.

7.2 Alarm Configuration

The "Alarm Configuration" menu item contains the alerting parameters that define PNG-S alarms.

The "Alarm Configuration" menu features the following submenus:

Menu item	Description
General Settings	General alerting parameters
Emergency	For configuring the deliberate alarm (alarm via the emergency key)
Non Movement	For configuring automatic alarms (referred to in the following as "Autom. alarms")
Man Down Alarm	
Time Alarm	
Escape Alarm	
Pull Cord Alarm	
Technical Warning	For detecting and reporting device faults
Alarm Signal	Acoustic signals for PNG incidents

Table 7-1   Alarm Configuration submenus

7.2.1 General Settings

The "General Settings" menu item contains the following parameters:

Parameter	Parameter input for startup	See section:
Alarm Number Basis	required	Section 7.2.1.1, "Alarm Number Basis"
PNEZ Basis	adjust to PNEZ if necessary	Section 7.2.1.2, "PNEZ Basis (Number Configured)" Section 7.2.1.3, "PNEZ Basis (Number Deleted)"
Repeat alarm call	optional	Section 7.2.1.4, "Repeat alarm call"
Repeat Alarm Time	optional	Section 7.2.1.5, "Repeat Alarm Time [sec]"
Transport Time	optional	Section 7.2.1.6, "Transport Time [sec]"
Signal Off - manual	optional	Section 7.2.1.7, "Signal Off - manual"
Signal Off - autom.	optional	Section 7.2.1.8, "Signal Off - autom."
Autom. alarms OFF	optional	Section 7.2.1.9, "Autom. alarms OFF"

Table 7-2   Parameter overview

7.2.1.1 Alarm Number Basis

Enter the alarm destination here (maximum 32-digit number). This alarm destination is configured here as a destination number for all alarm types. When an alarm is triggered, the alarm call is signalled at this configured alarm destination.

If you want certain alarms, such as, the non movement alarm, to be signalled at another alarm destination, you can change the alarm destination later in the relevant alarm type's submenu.

The "PNEZ Basis" parameter is automatically calculated and configured when you define the "Alarm Number Basis". "PNEZ Basis" is the base number that is used for communication between PNEZ and PNG-S. See also Section 7.2.1.2, "PNEZ Basis (Number Configured)" and Section 7.2.1.3, "PNEZ Basis (Number Deleted)".

Please note: changing and saving "Alarm Number Basis" always affects all dependent configurations. Dependent configurations are the following:

● All alarm destinations of various alarm types

● "PNEZ Basis" and the control ports that are dependent on it

Please note: you must first define the "Alarm Number Basis", then make individual changes to the alarm destinations of the various alarm types. Then, if necessary, you can configure the individual "PNEZ Basis" and control ports.

Factory setting: No number

The factory setting for the "Alarm Number Basis" is "No number", that is, you must configure a number here.

Recommendation for BGR 139 configuration

Configure the "Alarm Number Basis" in line with the PNEZ configuration.

7.2.1.2   PNEZ Basis (Number Configured)

The "PNEZ Basis" is the base number of the PNEZ with its different control ports (see Section 7.2.5, "Control Ports") that are used for signalling and operating the PNG handset.

Changing this parameter is optional because after you enter the "Alarm Number Basis", the "PNEZ Basis" and all control ports that are dependent on it are automatically calculated using the following formula: "PNEZ Basis" = "Alarm Number Basis" + 10.

Example: enter the following as the "Alarm Number Basis": "52200". The "PNEZ Basis" is calculated as 52210 and pre-configured.

If you want to change the "PNEZ Basis", enter a new number (maximum 32 digits).

The numbers of the PNEZ control port are derived from this "PNEZ Basis" as automatically pre-configured numbers.

Please note: changing and saving "PNEZ Basis" always affects all dependent configurations. Dependent configurations are the following:

● All control ports

Please note: you must first define the "PNEZ Basis", then make individual changes to the phone numbers of the control ports.

Factory setting: No number

The factory default for the "PNEZ Basis" is "No number", but the "PNEZ Basis" and the control ports are automatically configured when the "Alarm Number Basis" is entered.

Recommendation for BGR 139 configuration

Configure the "PNEZ Basis" in line with the PNEZ configuration. Use the handset's automatic configuration function whenever possible.

Example 1

The following PNG numbering plan is generated by entering "Alarm Number Basis" = 52200:

"Alarm Number Basis":   52200 (input)

The numbers of all alarms dependent on this are automatically preset:

Emergency: 52200

Non Movement: 52200
Man Down Alarm: 52200
Time Alarm: 52200
Escape Alarm: 52200
Pull Cord Alarm: 52200

The numbers for the "PNEZ Basis" are also automatically preset:

PNEZ Basis: 52210

The numbers for all control ports dependent on this are automatically preset:

Start function test: 52211
Start monitoring: 52212
Function test NOK: 52213
Reset Request: 52214
Autom. alarms OFF: 52215
Autom. alarms ON: 52216
Alarm recall-sp on: 52217
Alarm recall-sp off: 52218
Alarm recall: 52219

Recommendation for BGR 139 configuration

Alarm destinations and control ports must be synchronised between PNEZ and the handset.

Use the handset's automatic configuration function whenever possible to reduce the time and effort required for configuration.

Example 2

This is based on the configuration in Example 1. The alarm numbers remain unchanged if you change the "PNEZ Basis" now to the value 47100:

Alarm Number Basis:	52000

The numbers of all alarms dependent on this are now as follows:

Emergency:	52200
Non Movement:	52200
Man Down Alarm:	52200
Time Alarm:	52200
Escape Alarm:	52200
Pull Cord Alarm:	52200

The "PNEZ Basis":

PNEZ Basis:	52210 is changed to 47100

The control ports dependent on this are then automatically preset to:

Start function test:	47101
Start monitoring:	47102
Function test NOK:	47103
Reset Request:	47104
Autom. alarms OFF:	47105
Autom. alarms ON:	47106
Alarm recall-sp on:	47107
Alarm recall-sp off:	47108
Alarm recall:	47109

Recommendation for BGR 139 configuration

Alarm destinations and control ports must be synchronised between PNEZ and the handset. Use the handset's automatic configuration function whenever possible to reduce the time and effort required for configuration.

7.2.1.3 PNEZ Basis (Number Deleted)

PNG-S monitoring can be activated and deactivated without the PNEZ if "PNEZ Basis" is deleted.

⚠	This type of operation does not conform to BGR 139.

PNG-S monitoring starts immediately after activation without a function test
(**Add. Features** -> **PNG Activation** menu):

● The automatic alarms configured are immediately activated.

● The PNG LED indicates that monitoring mode is active (LED flashing).

● Prealarms and alarms are generated in accordance with the configuration.

● Alarm calls are routed to the configured alarm destinations.

● Alarm calls are repeated in accordance with the configuration. The alarming signal can be manually deactivated following the minimum call count (five alarm calls). "PNG OFF" is displayed on the right display key.

Monitoring is deactivated after resetting PNG activation in the **Add. Features** -> **PNG Activation** menu.

The control ports are also deleted when you delete the "PNEZ Basis".

Control calls for controlling the PNG-S are only recognised if the CLIP information for the relevant control port is transmitted in the Setup message.

● The feature is supported in HiPath Cordless Enterprise with CMI 3.0 CV 320 and later.

● This feature is supported on HiPath Cordless Office from HiPath 3000 V6.0/SMR-7 and from HiPath 3000 V5.0/SMR-12.

● Gigaset base stations cannot guarantee that CLIP information will be transmitted in the Setup message.

Please note: if the Cordless Multicell Integration (CMI) system used transmits the CLIP information in the requested format, control calls can also be used even though "PNEZ Basis" has been deleted. In this case the required control port numbers must be configured individually and manually.

7.2.1.4 Repeat alarm call

The PNG-S automatically signals the alarm call at the alarm destination. Alarm calls are automatically repeated to ensure reliable signalling.

This parameter is used to set the max. number of alarm calls which the PNG-S should make. Alarm repetition is stopped if the PNG-S recognises the alarm recall. If an alarm recall is not recognised, the PNG-S repeats the alarm call a minimum of five times. Then "PNG OFF" is displayed on the right display key.

You can initiate alarming signal deactivation by pressing "PNG OFF".

●   With "PNEZ Basis" = Number
    Requests for alarming signal deactivation in the PNEZ must be performed by the PNEZ.

●   With "PNEZ Basis" = "blank"
    The alarming signal is deactivated immediately. Alarm repetitions are stopped. Monitoring is switched off. The PNG LED is switched off.

Parameter	Setting range	Factory setting	BGR 139
Repeat alarm call	05 ... 99	15	15 (increase if necessary to improve security)

Table 7-3   Parameter setting for Repeat alarm call

7.2.1.5 Repeat Alarm Time [sec]

The PNG-S automatically signals the alarm call at the alarm destination. Alarm calls are automatically repeated to ensure reliable signalling.

This parameter can be used to set the time for the alarm repetitions. If you enter 4 s, for example, the system initiates a 4-second alarm call and a 4 second break. This is followed by a repeated alarm call and a pause.

The call and interval duration is s increased by one second after every alarm call.

Select a longer repeat alarm time for calls that break out into the public network. The call duration must be long enough to reach the alarm destination. Make test calls if necessary.

You can communicate with the alarm destination throughout over the connection duration once the alarm signal is off or manually deactivated (see Section 7.2.1.7, "Signal Off - manual")

Example:
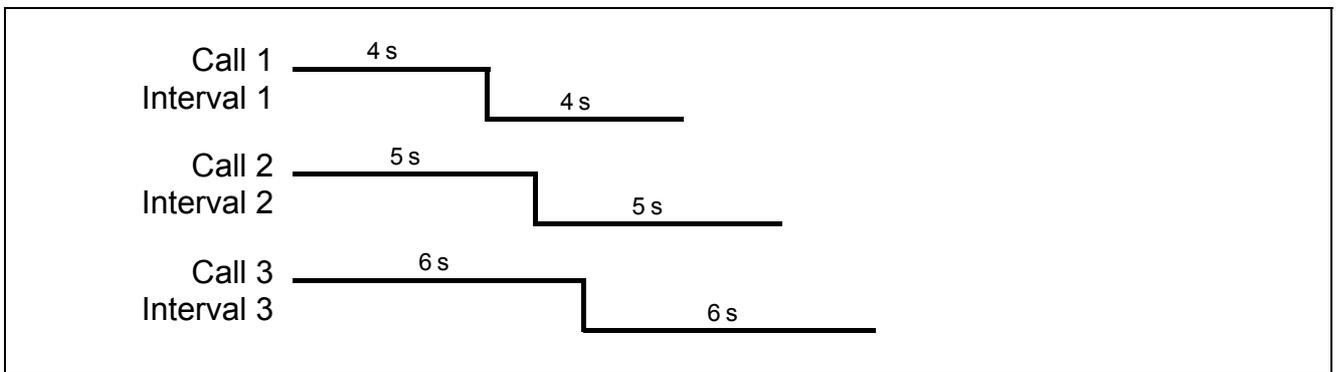

Figure 7-1   Call and interval duration

Parameter	Setting range	Factory setting	BGR 139
Repeat Alarm Time	1 s ... 30 s	4 s	4 s

Table 7-4   Parameter setting for Repeat Alarm Time

7.2.1.6   Transport Time [sec]

The PNG-S must calculate the time of the alarming signal. To calculate this time for automatic alarms, the "Transport Time = system throughput time" is specified in seconds.

Example

● Response time = 90 s

● Alarm debounce time = 1 s

● Prealarm time = 15 s

● Transport Time = 2 s

Response time - (alarm debounce time + Prealarm time + Transport Time) = time until prealarm
90 s - (0.1 s + 15 s + 2 s) = 72.9 s

T0 = Occurrence of monitored incident (change in position, for instance)
T1 = Occurrence of monitored incident
T2 = Start of prealarm
T3 = Alarm automatically triggered in the PNG
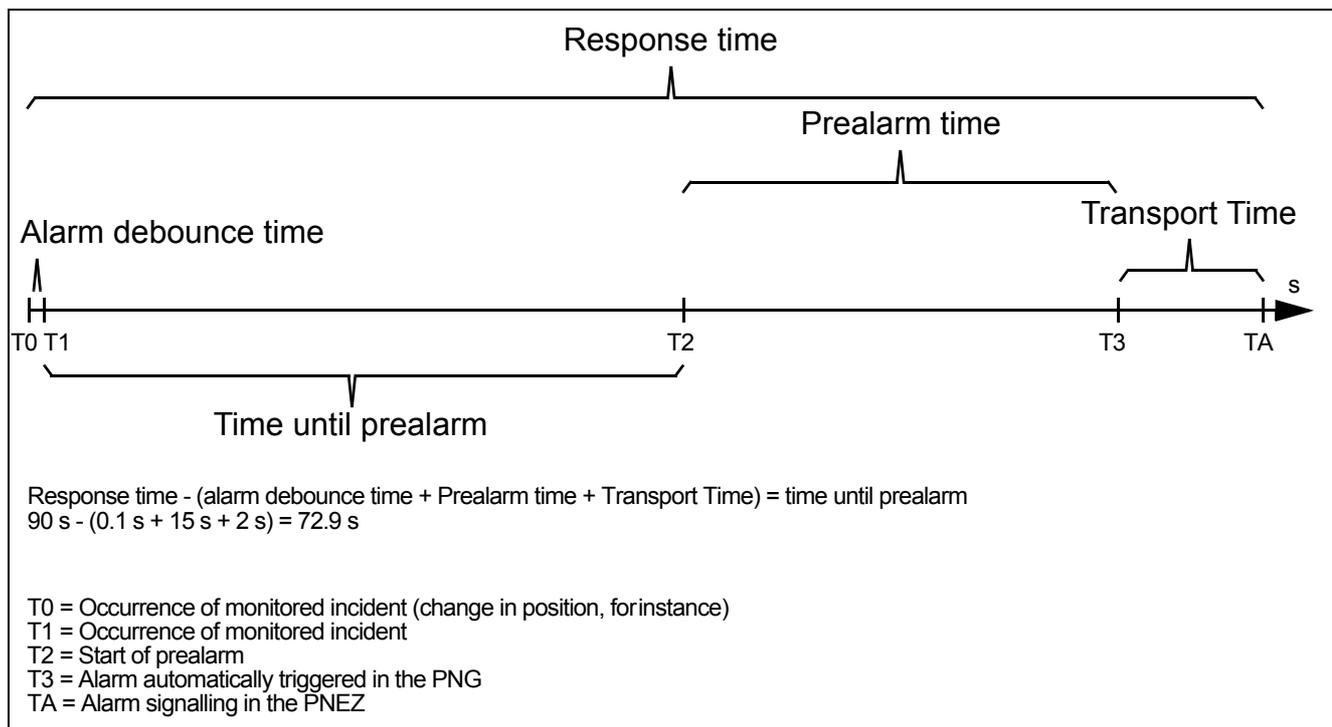TA = Alarm signalling in the PNEZ

Figure 7-2   Alarming signal time calculation

The alarm debounce time is within the response time.

7.2.1.7 Signal Off - manual

This parameter controls whether the alarm/positioning tone can be manually suppressed on the handset to enable the alerting party to communicate with the alarm destination.

- Signal Off - manual = On

  This configuration parameter allows the alarm/positioning tone to be manually suppressed when the handset is in alarm mode. The alarm/positioning tone is suppressed for the duration of the call once the "+/-" key has been briefly pressed. The alerting party can communicate with the alarm destination.

The alerting party can always communicate with the alarm destination if alerting is configured without an alarm tone.

⚠ This type of operation conforms to BGR 139 if location is guaranteed by the positioning system.

Parameter	Setting range	Factory setting	BGR 139
Signal Off - manual	On/Off	On	Depends on the positioning system implemented

Table 7-5   Parameter setting for Signal Off - manual

7.2.1.8   Signal Off - autom.

This parameter controls whether the alarm/positioning tone will be automatically suppressed.

- Signal Off - autom. = On

  This configuration parameter suppresses the alarm/positioning tone in alarm mode while the PNEZ performs an alarm recall to the PNG-S signalling the alarm. The PNEZ can use the alarm recall feature to hear what is going on at the alarm location or speak with the alerting party without this party operating the PNG-S.

The positioning tone is suppressed for the duration of the alarm recall.

Parameter	Setting range	Factory setting	BGR 139
Signal Off - autom.	On/Off	On	On (The PNEZ controls the alarm recall and its duration. The positioning tone is enabled once more in the PNG-S after an alarm recall.)

Table 7-6   Parameter setting for Signal Off - autom.

7.2.1.9   Autom. alarms OFF

This parameter permits or prohibits the suspension or reactivation of automatic alarms when the handset is in monitoring mode.

- Autom. alarms OFF = No

  All activated automatic alarms (non movement, man down, time and pull cord alarms, forinstance) remain active while the handset is in monitoring mode.

- Autom. alarms OFF = Off in charger

  The activated automatic alarms are suspended when the handset is placed a charger. Pre-alarms and alarms are no longer generated during this time. The alarms are reactivated once the handset is removed from the charger. This does not apply to the deliberate alarm or the technical fault warning.

  The function is implemented locally on the handset. There is no communication with the PNEZ. The PNG LED displays the new monitoring mode.

⚠️   This type of operation does not conform to BGR 139.

- Autom. alarms OFF = By Control Call

  The handset allows control calls from the PNEZ to suspend and re-activate the automatic alarms activated during monitoring (see Section 7.2.5, "Control Ports").

  This does not apply to the deliberate alarm or the technical fault warning.

  The function requires the PNEZ control call.

  The PNG LED displays the new monitoring mode.

⚠ This type of operation does not conform to BGR 139.

Parameter	Setting range	Factory setting	BGR 139
Autom. alarms OFF	No/ Off in charger/ By Control Call	No	No (In compliance with BGR 139 automatic alarms are not suspended during monitoring. The PNEZ must remove them from service.)

Table 7-7   Parameter setting for Autom. alarms OFF

7.2.2 Emergency/Emergency key

This section contains information on configuring the settings for the deliberate alarm, that is, the alarm triggered by the emergency key.

An alarm can be triggered by pressing the emergency key once the PNG function is active on the handset (see Section , "Activating the PNG Functionality on the Handset") and an alarm destination has been configured for this alarm type. Monitoring mode must not be activated for this (**Add. Features** -> **PNG Activation** menu).

The parameter "PNEZ Basis" must be disabled for operation without PNEZ (see Section 7.2.1, "General Settings") so that the alarm can be deactivated on the handset.

7.2.2.1 Alarm Signal

This parameter enables you to specify whether an alarm or positioning signal is generated by pressing the handset's emergency key when an alarm is triggered.

The following parameters can be configured:

Menu item	Description
Alarm Signal: On	● An alarm signal sounds on the handset ● An alarm call is signalled at the alarm destination
Alarm Signal: Off	● An alarm signal does not sound on the handset ● An alarm call is signalled at the alarm destination
Alarm Signal: Longpress	When the emergency key is briefly pressed: ● an alarm signal sounds on the handset ● an alarm call is signalled at the alarm destination When the emergency key is pressed and held down: ● an alarm signal does not sound on the handset ● an alarm call is signalled at the "Alarm destination lp"

Table 7-8   Alarm signal values (on/off/longpress)

You can use the "Alarm Signal: Longpress" setting to generate an alarm with or without an alarm signal, depending on the situation:

● Pressing the emergency key briefly generates an alarm with an alarm signal.

● Pressing and holding down the emergency key generates a silent alarm.

This alarm can be signalled at a separate alarm destination: "Alarm destination lp".

7.2.2.2 Alarm destination, Alarm destination lp

You can use this parameter to configure the individual "Alarm destination" and "Alarm destination lp" alarm destinations (up to 32 digits) for the deliberate alarm.

Parameter	Setting range	Factory setting	BGR 139
Alarm destination	32-digit number	Blank (see Section 7.2.1.1, "Alarm Number Basis")	Align with PNEZ
Alarm destination lp	32-digit number	Blank_LP (see Section 7.2.1.1, "Alarm Number Basis")	Align with PNEZ

Table 7-9 Alarm destination settings for deliberate alarms

7.2.3   Configuring Automatic Alarms

The handset supports the following automatic alarms:

- Non Movement

- Man Down Alarm

- Time Alarm

- Escape Alarm

- Pull Cord Alarm

Each alarm type can be activated or deactivated:

- Response times and prealarm times can be configured for each alarm type

- The alarm signal can be activated or deactivated for each alarm type

- You can select the sensitivity level of the escape alarm

- An individual alarm destination can be configured for each alarm type

The parameters for each alarm type are as follows:

- Activation

- Response time

- Prealarm time

- Alarm Signal

- Sensitivity level (for escape alarm only)

- Alarm destination

Although the parameters are pre-configured, they can be adapted to suit the current scenario.

⚠ Note the permitted values for BGR-139-compliant operation.

An automatic alarm must be activated in addition to the deliberate alarm for BGR 139-compliant operation!

7.2.3.1 Non Movement

Activation of the non movement alarm is optional. The non movement alarm is triggered when the sensors detect that the user has not moved for a defined and configurable period of time.

Parameter	Setting range	Factory setting	BGR 139
Activation	On/Off	On	At least one autom. alarm
Response time	10 s ... 900 s	90 s	<= 90 s
Prealarm time	0 s ... 30 s	15 s	5 s ... 15 s
Alarm Signal	On/Off	On	On
Alarm destination	32-digit number	Blank (see Section 7.2.1.1, "Alarm Number Basis")	Align with PNEZ

Table 7-10　　Parameter setting for non movement

7.2.3.2 Man Down Alarm

Activation of the man down alarm is optional. The man down alarm is triggered when the sensors detect that the handset is leaning at an incorrect angle for a defined and configurable period of time (in other words, the handset is in a non-upright position).

Parameter	Setting range	Factory setting	BGR 139
Activation	On/Off	On	At least one autom. alarm
Response time	10 s ... 900 s	90 s	<= 90 s
Prealarm time	0 s ... 30 s	15 s	5 s ... 15 s
Alarm Signal	On/Off	On	On
Alarm destination	32-digit number	Blank (see Section 7.2.1.1, "Alarm Number Basis")	Align with PNEZ

Table 7-11　　Parameter setting for man down alarm

7.2.3.3 Time Alarm

Activation of the time alarm is optional. The time alarm is activated if a timed prealarm is not acknowledged within the preset period.

Parameter	Setting range	Factory setting	BGR 139
Activation	On/Off	Off	At least one autom. alarm
Response time	1 min ... 120 min	30 min	<= 30 min
Prealarm time	0 s ... 30 s	15 s	5 s ... 15 s
Alarm Signal	On/Off	On	On
Alarm destination	32-digit number	Blank (see Section 7.2.1.1, "Alarm Number Basis")	Align with PNEZ

Table 7-12   Parameter setting for time alarm

7.2.3.4 Escape Alarm

Activation of the escape alarm is optional. The escape alarm is triggered when the sensors detect an inadmissible sudden movement lasting for a defined and configurable period of time.

Parameter	Setting range	Factory setting	BGR 139
Activation	On/Off	Off	At least one autom. alarm
Response time	10 s ... 900 s	30 s	<= 30 s
Prealarm time	0 s ... 30 s	15 s	0 s ... 15 s
Alarm Signal	On/Off	On	On
Sensitivity level	Low/medium/high	Medium	If required
Alarm destination	32-digit number	Blank (see Section 7.2.1.1, "Alarm Number Basis")	Align with PNEZ

Table 7-13   Parameter setting for escape alarm

7.2.3.5   Pull Cord Alarm

Activation of the pull cord alarm is optional. The pull cord alarm is triggered when the pull cord contact cannot be identified for a defined and configurable period of time (in other words, when the cord has been detached).

Parameter	Setting range	Factory setting	BGR 139
Activation	On/Off	On	At least one autom. alarm
Response time	10 s ... 900 s	30 s	<= 30 s
Prealarm time	0 s ... 30 s	15 s	0 s ... 15 s
Alarm Signal	On/Off	On	On
Alarm destination	32-digit number	Blank (see Section 7.2.1.1, "Alarm Number Basis")	Align with PNEZ

Table 7-14   Parameter setting for pull cord alarm

7.2.3.6   Technical Warning

Activation of signalling for a local technical fault is optional. An alarm is not signalled to the PNEZ. The handset only alerts the user who can then respond to the warning.

The technical warning can be reset using the same method described for the prealarm. The monitoring timers are restarted.

You can configure the following parameters:

● Activation: technical fault monitoring can be activated or deactivated.

● Locate req. time: checks whether the handset is receiving regular DPS requests. The check is deactivated when "Locate req. time" = 0.

● Acoustic

● Out of range time: checks whether the handset has contact with the base station. The check is deactivated when "Out of range time" = 0.

The handset also checks whether the battery is sufficiently charged. A technical fault is reported if the battery is too low.

Parameter	Setting range	Factory setting	BGR 139
Activation	On/Off	On	On
Locate req. time	0 min ... 30 min	0 min (check off)	<= 10 min

Parameter	Setting range	Factory setting	BGR 139
Acoustic	On/Off	On	On
Out of range time	0 min ... 30 min	2 min	2 min

Table 7-15   Parameter setting for technical warning

7.2.4   Alarm Signal

You can define how prealarms, alarms and technical faults are acoustically signalled here.

The following signals start quietly and quickly rise in a crescendo to reach their configured maximum volume.

7.2.4.1   Prealarm

Configuration of acoustic prealarm signalling.

Parameter	Setting range	Factory setting	BGR 139
Acoustic	On/Off	On	On
Alarm Signal	All signals 1 ... 38	8	8
Alarm signal volume (levels)	1 ... 5	3	3

Table 7-16   Parameter setting for prealarm

7.2.4.2   Alarming signal

Configuration of acoustic alarm signalling (positioning tone) for the deliberate alarm and automatic alarms.

Parameter	Setting range	Factory setting	BGR 139
Alarm Signal	All signals 1 ... 38	4	4
Alarm signal volume (levels)	1 ... 5	5	5

Table 7-17   Parameter setting for the alarming signal

7.2.4.3   Technical Warning

Configuration of acoustic warning signals for signalling local technical faults.

Parameter	Setting range	Factory setting	BGR 139
Alarm Signal	All signals 1 ... 38	6	6
Alarm signal volume (levels)	1 ... 5	3	3

Table 7-18   Parameter setting for technical warning

7.2.5 Control Ports

Control ports are PNEZ phone numbers that are defined for signalling states or events between PNG-S and PNEZ.

The numbers of the control port are entered automatically if the "PNEZ base" parameter is configured or changed. The control ports can then be modified individually.

Communication principle

The PNG-S calls specific PNEZ control ports in order to signal PNG states or PNG requests. Conversely, the PNEZ control ports call the PNG-S in order to initiate certain PNG control functions on the PNG-S.
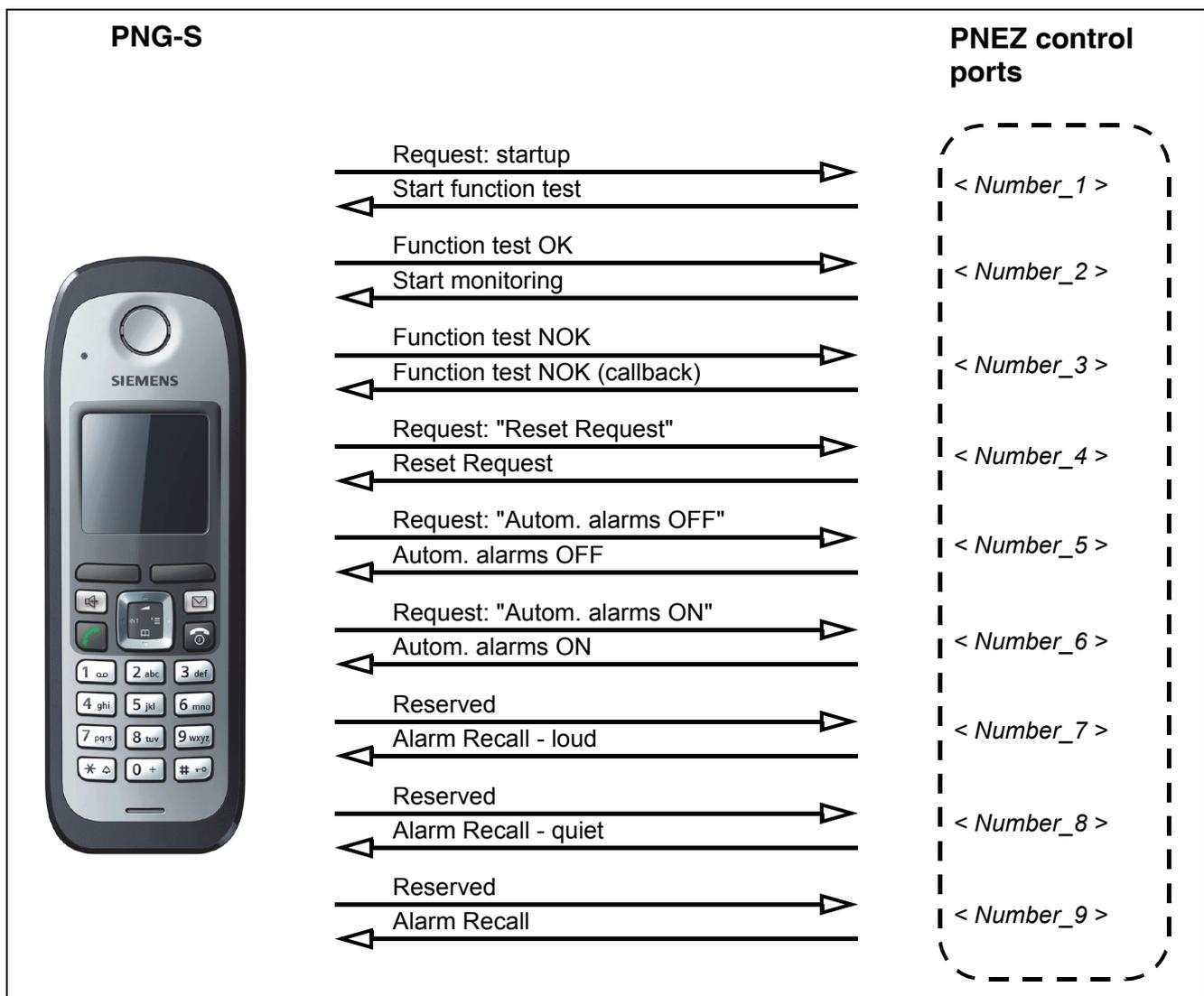

Figure 7-3   Communication between PNG-S and PNEZ

PNEZ control ports

The phone numbers (number_1 … number_9) that initiate specific functions in the PNEZ are described below:

PNEZ control function	Number
Request: startup	< Number_1 >
Function test OK	< Number_2 >
Function Test Not OK	< Number_3 >
Request: Reset Request	< Number_4 >
Request: Autom. alarms OFF	< Number_5 >
Request: Autom. alarms ON	< Number_6 >
Free	< Number_7 >
Free	< Number_8 >
Free	< Number_9 >

Table 7-19   PNEZ control functions

Description of numbers:

Number	Description
Number_1	For example, if PNEZ number_1 is called, the PNEZ evaluates this call as a startup request. The PNG-S would like to be included in the monitoring process. This phone number is called when the user selects the following menu item for instance: **Add. Features** -> **PNG Activation**.
Number_2 and Number_3	In accordance with BGR 139 the handset must perform a function test to check the alarm sensors prior to each startup procedure. This is initiated by the PNEZ, see PNG control functions. If this function test is successful, the PNEZ is called automatically on number_2. If the function test was unsuccessful, an automatic call goes out on number_3.
Number_4	If monitoring or alerting is to be reset, the PNG-S can request the PNEZ to do so. The latter checks whether a reset is permitted and then initiates the reset if necessary. The reset request (number_4) is signalled if the user selects the following menu item for instance: **Add. Features** -> **PNG Activation**.

Table 7-20   Description of numbers (PNEZ functions)

Number	Description
Number_5 and Number_6	Number_5 and number_6 can be used to request the PNEZ to suspend or reactivate the configured automatic alarms.
Number_7 to Number_9	Reserved for later use.

Table 7-20   Description of numbers (PNEZ functions)

PNG-S functions

The PNEZ on the other hand uses control ports to call and operate the PNG-S. The PNG-S recognises the calling control port and automatically accepts the control call.

PNG-S supports the following functions:

PNG control function	Number
Start function test	< Number_1 >
Start monitoring	< Number_2 >
Function test NOK	< Number_3 >
Reset Request	< Number_4 >
Autom. alarms OFF	< Number_5 >
Autom. alarms ON	< Number_6 >
Alarm Recall - loud (speakerphone mode on)	< Number_7 >
Alarm Recall - quiet (speakerphone mode off)	< Number_8 >
Alarm recall (alarm acknowledgement)	< Number_9 >

Table 7-21   PNG-S control functions

Description of numbers:

Number	Explanation
PNG-S out of service:	
Number_1	PNG-S starting function test
Number_2	PNG-S starting monitoring
Number_3	Normal voice call following failed function test (optional)
PNG S in monitoring mode:	
Number_4	PNG-S switches monitoring/alerting off
Number_5	PNG-S suspends the configured automatic alarms (Prerequisite: Autom. alarms OFF = By Control Call)
Number_6	PNG-S activates the suspended automatic alarms (Prerequisite: Autom. alarms OFF = By Control Call)
PNG-S in alarm state:	
Number_4	PNG-S switches monitoring/alerting off
Number_7	PNG-S accepts the alarm recall. Microphone and loudspeaker are switched on. The PNEZ can listen into the alarm situation and speak with the party signalling the alarm over the loudspeaker. The call is disconnected from the PNEZ, but can also be disconnected from the handset.
Number_8	PNG-S accepts the alarm recall. Microphone and receiver insert are switched on. The PNEZ can listen into the alarm situation and speak with the party signalling the alarm over the receiver inset. The call is disconnected from the PNEZ, but can also be disconnected from the PNG-S. This call ends the automatic alarm repetitions.
Number_9	PNG-S accepts the alarm recall. Microphone and receiver insert are switched on. The call is automatically disconnected from the PNG-S after a few seconds. This call ends the automatic alarm repetitions.

Description of numbers (PNG-S functions)

⚠ You can use the alarm recall function to hear what is going on at the alarm location. Please inform the individual concerned and secure their authorisation before you activate this feature.

The numbers number_1 … number_9 are configured in the handset under **PNG Configuration** -> **Control Ports**.

The numbers can consist of up to 32 digits. The numbers are automatically derived and configured from the "PNEZ Basis": Number_n = PNEZ Basis + n.

If required to do so, you can overwrite the control ports and assign other numbers to them.

The functions must be performed in pairs:

PNG-S	calls	PNEZ port (number_n)
PNEZ port (with number_n)	calls	PNG-S

A shared number is configured in the handset for both functions.

Recommendation for BGR 139 configuration

Automatic Configuration

7.3 Adjust Sensor

This function is required to enable accelerometer sensors to identify when the handset is in an upright position.

Procedure:

1. Select **Add. Features** in the main menu.

2. Select **PNG Configuration**.

3. Enter the requested PNG Service PIN and confirm with **OK**; the default PIN is "00000". You are now in the PNG Configuration menu.

4. Select **Adjust Sensor** and confirm with **OK**. The following text appears on the screen:

   ```
   Adjust Sensor
   Please adjust
   handset
   in vertical position
   ```

5. Hold the handset still and in a vertical position and confirm with **OK**. The following text appears on the screen:

   ```
   Please wait
   for response
   ```

   Once the adjustment is complete, the following message appears on the handset:

   ```
   Sensor adjust
   passed!
   ```

The vertical adjustment is tested again during the functional test.

Sensors must be readjusted after the handset has been initialised (reset to factory settings). They must also be readjusted if you replace the memory card.

7.4 PNG Service PIN

Setting the PNG Service PIN:

1. Select **Add. Features** in the main menu.

2. Select **PNG Configuration**.

3. Enter the requested PNG Service PIN and confirm with **OK**; the default PIN is "00000". You are now in the PNG Configuration menu.

4. Select **PNG Service PIN** and confirm with **OK**.

5. Enter the new PNG Service PIN.

6. Select **Re-enter PIN: wiederholen:** (down arrow key) and repeat your entry.

7. Confirm with **OK**.

⚠️ Memorise your new PIN. If you forget the PIN, it can only be reset by Unify. This service is subject to charge.

7.5 Factory Defaults

You should always reset the factory defaults before re-programming a handset because the ex-factory configuration conforms to BGR.

You can then configure the settings you require.

The following table contains the factory defaults:

Parameter	Active
General Settings:	
Alarm Number Basis	(Blank)
PNEZ Basis	(Blank)
Alarm Call Count	15
Repeat Alarm Time	4 s
Autom. alarms OFF	No
Signal Off - manual	On
Signal Off - autom.	On
Transport Time	2 s
Emergency:	
Alarm Signal	On
Alarm destination	*<Alarm Number Basis>*
Alarm destination Ip	*<Alarm Number Basis>*
Non Movement:	
Activation	On
Response time	90 s
Prealarm time	15 s
Alarm Signal	On
Alarm destination	*<Alarm Number Basis>*
Man Down Alarm:	
Activation	On
Response time	90 s
Prealarm time	15 s
Alarm Signal	On

Table 7-22   Factory defaults

Parameter	Active
Alarm destination	*<Alarm Number Basis>*
Time Alarm:	
Activation	Off
Response time	30 min
Prealarm time	15 s
Alarm Signal	On
Alarm destination	*<Alarm Number Basis>*
Escape Alarm:	
Activation	Off
Response time	30 s
Prealarm time	15 s
Alarm Signal	On
Sensitivity level	Medium
Alarm destination	*<Alarm Number Basis>*
Pull Cord Alarm:	
Activation	On
Response time	30 s
Prealarm time	15 s
Alarm Signal	On
Alarm destination	*<Alarm Number Basis>*
Technical Warning:	
Activation	On
Locate req. time	0 min
Acoustic	On
Out of range time	2 min
Alarm Signal:	
Prealarm	
Acoustic	On
Alarm Signal	08
Alarm signal volume	Level 3

Table 7-22   Factory defaults

Parameter	Active
Alarming signal	
Alarm Signal	04
Alarm signal volume	Level 5
Technical Warning	
Alarm Signal	06
Alarm signal volume	Level 3
Control Ports	(Blank. All control port numbers are deleted.)

Table 7-22   Factory defaults

8   Sample Configurations

8.1   Operation in HiPath Cordless Enterprise with PNEZ

This configuration conforms to BGR 139.

The following settings are modified manually using the factory defaults as a basis:

● Enter the "Alarm Number Basis", in the example: 95000

● Deactivate the man down alarm (disable activation)

● Activate the time alarm (enable activation)

● Set the response time for the time alarm (15 min)

The following are configured automatically based on the "Alarm Number Basis":

● "PNEZ Basis" (Alarm destination + 10 = 95010)

● Control Ports (95011 … 95019)

The following table provides a complete overview of the settings:

Parameter	Active
General Settings:	
Alarm Number Basis	**Input: 95000**
PNEZ Basis	**Automatic: 95010**
Alarm Call Count	15
Repeat Alarm Time	4 s
Autom. alarms OFF	No
Signal Off - manual	On
Signal Off - autom.	On
Transport Time	2 s
Emergency:	
Alarm Signal	On
Alarm destination	**Automatic: 95000**

Table 8-1   Settings in sample configuration 1

Parameter	Active
Alarm destination lp	**Automatic: 95000**
Non Movement:	
Activation	On
Response time	90 s
Prealarm time	15 s
Alarm Signal	On
Alarm destination	**Automatic: 95000**
Man Down Alarm:	
Activation	**Input: Off**
Response time	90 s
Prealarm time	15 s
Alarm Signal	On
Alarm destination	**Automatic: 95000**
Time Alarm:	
Activation	**Input: On**
Response time	**Input: 15**
Prealarm time	15 s
Alarm Signal	On
Alarm destination	**Automatic: 95000**
Escape Alarm:	
Activation	Off
Response time	30 s
Prealarm time	15 s
Alarm Signal	On
Sensitivity level	medium
Alarm destination	**Automatic: 95000**
Pull Cord Alarm:	
Activation	On
Response time	30 s
Prealarm time	15 s

Table 8-1   Settings in sample configuration 1

Parameter	Active
Alarm Signal	On
Alarm destination	**Automatic: 95000**
Technical Warning:	
Activation	On
Locate req. time	0 min
Acoustic	On
Out of range time	2 min
Alarm Signal:	
Prealarm	
Acoustic	On
Alarm Signal	08
Alarm signal volume	Level 3
Alarming signal	
Alarm Signal	04
Alarm signal volume	Level 5
Technical Warning	
Alarm Signal	06
Alarm signal volume	Level 3
Control Ports:	
Start function test	**Automatic: 95011**
Start monitoring	**Automatic: 95012**
Function test NOK	**Automatic: 95013**
Reset Request	**Automatic: 95014**
Autom. alarms OFF	**Automatic: 95015**
Autom. alarms ON	**Automatic: 95016**
Alarm recall-sp on	**Automatic: 95017**
Alarm recall-sp off	**Automatic: 95018**
Alarm Recall	**Automatic: 95019**

Table 8-1   Settings in sample configuration 1

Sample change:
To change the alarm number for the pull cord alarm, enter 95005, for instance, under Alarm destination.

8.2   Operation in HiPath Cordless Enterprise without PNEZ

> ⓘ   This configuration does not conform to BGR 139.

This PNEZ is not supported in HiPath Cordless Office. The PNG-S must be configured for operation without a controling central office. See also Section 7.2.1.3, "PNEZ Basis (Number Deleted)".

The following settings are modified manually using the factory defaults as a basis:

● Enter the "Alarm Number Basis", in the example: 95000

● Delete the "PNEZ Basis" (delete automatically generated number)

● Deactivate the man down alarm (disable activation)

● Activate the time alarm (enable activation)

● Set the response time for the time alarm (15 min)

The following is configured automatically:

● Control port deletion

The following table provides a complete overview of the settings:

Parameter	Active
General Settings:	
Alarm Number Basis	**Input: 95000**
PNEZ Basis	**Input: Delete**
Alarm Call Count	15
Repeat Alarm Time	4 s
Autom. alarms OFF	No
Signal Off - manual	On
Signal Off - autom.	On
Transport Time	2 s
Emergency:	
Alarm Signal	On
Alarm destination	**Automatic: 95000**

Table 8-2   Settings in sample configuration 2

Parameter	Active
Alarm destination lp	**Automatic: 95000**
Non Movement:	
Activation	On
Response time	90 s
Prealarm time	15 s
Alarm Signal	On
Alarm destination	**Automatic: 95000**
Man Down Alarm:	
Activation	**Input: Off**
Response time	90 s
Prealarm time	15 s
Alarm Signal	On
Alarm destination	**Automatic: 95000**
Time Alarm:	
Activation	**Input: On**
Response time	**Input: 15**
Prealarm time	15 s
Alarm Signal	On
Alarm destination	**Automatic: 95000**
Escape Alarm:	
Activation	Off
Response time	30 s
Prealarm time	15 s
Alarm Signal	On
Sensitivity level	medium
Alarm destination	**Automatic: 95000**
Pull Cord Alarm:	
Activation	On
Response time	30 s
Prealarm time	15 s

Table 8-2   Settings in sample configuration 2

Parameter	Active
Alarm Signal	On
Alarm destination	**Automatic: 95000**
Technical Warning:	
Activation	On
Locate req. time	0 min
Acoustic	On
Out of range time	2 min
Alarm Signal:	
Prealarm	
Acoustic	On
Alarm Signal	08
Alarm signal volume	Level 3
Alarming signal	
Alarm Signal	04
Alarm signal volume	Level 5
Technical Warning	
Alarm Signal	06
Alarm signal volume	Level 3
Control Ports:	
Start function test	**Automatic: Clear**
Start monitoring	**Automatic: Blank**
Function test NOK	**Automatic: Blank**
Reset Request	**Automatic: Blank**
Autom. alarms OFF	**Automatic: Blank**
Autom. alarms ON	**Automatic: Blank**
Alarm recall-sp on	**Automatic: Blank**
Alarm recall-sp off	**Automatic: Blank**
Alarm Recall	**Automatic: Blank**

Table 8-2   Settings in sample configuration 2

Example (Alarm callback without PNEZ)

To be able to execute e.g. an alarm callback with "silent monitoring", the HiPath 3000 version must support the CLIP protocol in the setup message.

Configure e.g. the control port "Alarm recall-sp on" with the number of the subscriber who should make the alarm callback in the event of an alarm.

⚠	Before using this feature, get the permission of the person being monitored!

8.3   Operation in Gigaset base without PNEZ

> This configuration does not conform to BGR 139.

A Gigaset base does not support the CLIP function which is required for control calls to the PNG. Consequently, configuration is only possible for operation without PNEZ. See also Section 7.2.1.3, "PNEZ Basis (Number Deleted)".

The following settings are entered manually using the factory defaults as a basis:

● Enter the "Alarm Number Basis", in the example: 95000

● Delete the "PNEZ Basis" (delete automatically generated number)

● Deactivate the man down alarm (disable activation)

● Activate the time alarm (enable activation)

● Set the response time for the time alarm (15 min)

The following is configured automatically:

● Control port deletion

The following table provides a complete overview of the settings:

Parameter	Active
General Settings:	
Alarm Number Basis	**Input: 95000**
PNEZ Basis	**Input: Delete**
Alarm Call Count	15
Repeat Alarm Time	4 s
Autom. alarms OFF	No
Signal Off - manual	Off
Signal Off - autom.	On
Transport Time	2 s
Emergency:	
Alarm Signal	On
Alarm destination	**Automatic: 95000**

Table 8-3   Settings in sample configuration 3

Parameter	Active
Alarm destination lp	**Automatic: 95000**
Non Movement:	
Activation	On
Response time	90 s
Prealarm time	15 s
Alarm Signal	On
Alarm destination	**Automatic: 95000**
Man Down Alarm:	
Activation	**Input: Off**
Response time	90 s
Prealarm time	15 s
Alarm Signal	On
Alarm destination	**Automatic: 95000**
Time Alarm:	
Activation	**Input: On**
Response time	**Input: 15**
Prealarm time	15 s
Alarm Signal	On
Alarm destination	**Automatic: 95000**
Escape Alarm:	
Activation	Off
Response time	30 s
Prealarm time	15 s
Alarm Signal	On
Sensitivity level	medium
Alarm destination	**Automatic: 95000**
Pull Cord Alarm:	
Activation	On
Response time	30 s
Prealarm time	15 s

Table 8-3   Settings in sample configuration 3

Parameter	Active
Alarm Signal	On
Alarm destination	**Automatic: 95000**
Technical Warning:	
Activation	On
Locate req. time	0 min
Acoustic	On
Out of range time	2 min
Alarm Signal:	
Prealarm	
Acoustic	On
Alarm Signal	08
Alarm signal volume	Level 3
Alarming signal	
Alarm Signal	04
Alarm signal volume	Level 5
Technical Warning	
Alarm Signal	06
Alarm signal volume	Level 3
Control Ports	
Start function test	**Automatic: Blank**
Start monitoring	**Automatic: Blank**
Function test NOK	**Automatic: Blank**
Reset Request	**Automatic: Blank**
Autom. alarms OFF	**Automatic: Blank**
Autom. alarms ON	**Automatic: Blank**
Alarm recall-sp on	**Automatic: Blank**
Alarm recall-sp off	**Automatic: Blank**
Alarm Recall	**Automatic: Blank**

Table 8-3   Settings in sample configuration 3

Sample change:
To change the alarm number for the pull cord alarm, enter 95005, for instance, under Alarm destination.

9 PNG configuration checklist

Checklist

Setting	Done yes/no
1. Reset PNG configuration to default	
2. Adjust sensors	
3. Configure alarms:	
– Set the alarm number basis	
– Check the PNEZ basis	
– Set the alarm call count (for secure alerting)	
– Set the repeat alarm time (for secure alerting)	
– Signal Off - manual = on (to manually deactivate the alarm signal)	
– Autom. alarms OFF = Off in charger (to suspend automatic alarms during charging)	
– Configure alarm (via the emergency key)	
– Check Transport Time (2 s)	
– Configure automatic alarms: (**Note:** At least one alarm must be switched on to guarantee configuration compliant with BGR 139.)	
– Non Movement on/off	
– Man Down Alarm on/off	
– Time Alarm on/off	
– Escape Alarm on/off	
– Pull Cord Alarm on/off	
– Configure alarm parameters for each active alarm: Response time/Prealarm time/Alarm Signal/Sensitivity level (for escape alarm)/Alarm destination? (**Note:** See Table 9-2 "Response time in accordance with VDE 0825" -> PNA-S column to guarantee configuration compliant with BGR 139.)	
– Technical Warning on/off	
– Configure parameters: Alarm Signal / Out of range time	

Table 9-1   PNG configuration checklist

PNG configuration checklist

Setting	Done yes/no
– Configure alarm signals:	
– Prealarm	
– Alarming signal	
– Technical Warning	
4. Assign "PNG Service PIN"	
5. Check configurations:	
– Press the emergency key (without activating monitoring)	
– Check the alarm signal:	
– Signal on/off OK?	
– Melody OK?	
– Alarm signal volume OK?	
– Check the alarming signal:	
– Alarm destination selected OK?	
– Repeat Alarm Time OK?	
– Number of repeat alarms OK?	
– Activate monitoring	
– Check automatic alarms (all activated alarms):	
– Check the prealarm: Signal (Melody / Alarm signal volume OK? / silent alert OK?)	
– Check the non movement alarm (do not move PNG-S): Prealarm time OK? Response time OK? Signal (on/off) OK? Alarm destination OK?	
– Check the man down alarm (place PNG-S in horizontal position): Prealarm time OK? Response time OK? Signal (on/off) OK? Alarm destination OK?	

Table 9-1   PNG configuration checklist

Setting	Done yes/no
– Check the time alarm (prealarm after configured time): Prealarm time OK? Response time OK? Signal (on/off) OK? Alarm destination OK?	
– Check the escape alarm (move device erratically/simulate running): Prealarm time OK? Response time OK? Signal (on/off) OK? Sensitivity level OK? Alarm destination OK?	
– Check the pull cord alarm (remove contact): Prealarm time OK? Response time OK? Signal (on/off) OK? Alarm destination OK?	
– Check the technical warning: Locate req. time OK? Acoustic OK? Out of range time OK?	

Table 9-1   PNG configuration checklist

Response times according to VDE 0825 (settings conform to BGR 139)

The response times listed in this table are compulsory.

Alarm type	Response time	
	PNA	**PNA-S**
Deliberate personal alarm	$\leqq 2$ s	$\leqq 30$ s for voice traffic, otherwise $\leqq 2$ s
Prealarm	$\leqq 15$ s	$\leqq 15$ s
Automatic personal alarm, including prealarm:		
● Man Down Alarm	$\leqq 90$ s	$\leqq 90$ s
● Non Movement	$\leqq 90$ s	$\leqq 90$ s
● Time Alarm	$\leqq 30$ min	$\leqq 30$ min
Automatic personal alarm:		
● Pull Cord Alarm	$\leqq 30$ s	$\leqq 30$ s
● Escape Alarm	$\leqq 10$ s	$\leqq 30$ s
Note: Prealarm is not mandatory.		

Table 9-2   Response times according to VDE 0825

Abbreviations

This list contains the abbreviations used in this manual.

Abbreviation	Definition
BGR	German Accident Prevention Regulation
CLIP	Calling Line Identification Presentation
CMI	Cordless Multicell Integration
DECT	Digital Enhanced Cordless Telecommunications
DPS	DECT Positioning System
HNA	HiPath alarm signal system
NOK	Not OK
PNA	Personal alarm signal system
PNA Service	Service personnel responsible for the personal alarm signal system
PNEZ	Emergency call receiving centre
PNG	Personal alarm signal device
PNG-S	Personal alarm signal device with voice communication facility (used here to refer to a handset when operated in conjunction with a PNEZ)

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