

INSTALLATION INSTRUCTIONS

Radio alarm panel

SECVEST 868

INSTALLATION INSTRUCTIONS



Perfect security for home and office

These installation instructions are an important product accessory. They contain important installation and operation information. Bear this in mind if you pass the product on to others. Store these installation instructions in a safe place for future reference.

For a list of contents with page numbers, see page 3.



Inv.: 11772609

0. Introduction

Dear Customer,

Thank you for purchasing the SECVEST 868 radio alarm station. You made the right decision in choosing this state-of-the-art technology,

which complies with the current standards of domestic and European regulations. The CE has been proven and all related certifications are available from the manufacturer upon request.

To maintain this status and to guarantee safe operation, it is your obligation to observe these installation instructions.

In the event of questions, please contact your local specialist dealer.

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Every effort has been made to ensure that the contents of this manual are correct. However, neither the authors nor Security-Center GmbH & Co. KG accept any liability for loss or damage caused or alleged to be caused directly or indirectly by this manual. The contents of this manual are subject to change without notice.

1. Usage in accordance with regulations

This radio alarm panel uses detectors and transmitters to secure your property.

You can use it to protect your company, house, garage, garden house, weekend cottage, etc.

The alarm panel registers unauthorised break-ins by switching output contacts to which you can connect visual, acoustic or silent alarm transmitters.

The alarm panel contacts and connected components must be kept free of moisture (bathrooms and similar surroundings are to be strictly avoided).

Use of this product for other than the described purpose may lead to damage of the product.

Other hazards such as short-circuiting, fire, electric shock, etc., are also possible. The power unit is designed for operation with mains electricity at 230 Volt AC / 50 Hz.

No part of the product may be changed or modified in any way.

Connection to the public power network is subject to country-specific regulations. Please be aware of applicable regulations in advance.

2. Contents

0. Introduction	2
1. Usage in accordance with regulations	2
2. Contents	3
3. Precautions	5
4. Scope of delivery and accessories required	6
5. Notes on connection and extension options	7
6. Notes on security system	8
6.1 Opening the panel casing	8
6.2 Connections in the upper part	8
6.3 Connections in the base plate	9
6.4 Blanking off non-used cable inputs	9
6.5 Installing the base plate	9
6.6 Connecting the panel to 230V mains voltage	10
6.7 Connecting wired detectors (optional)	10
6.8 Connecting the analogue telephone (optional)	11
6.9 Connecting external loudspeakers / microphones (optional)	11
6.10 Adjusting the loudspeaker volume	11
6.11 Inserting rechargeable batteries for emergency power supply ..	11
6.12 Closing the alarm panel	12
6.13 Notes for testing the alarm panel	12
6.14 Final steps	12
6.15. Codereset	13
7. Explanation of terms	13
8. Overview of alarm panel and keypad	16
9. Installer mode	17
10. Settings in installer mode	17
10.1 First steps in installer mode	17
10.2 List of menu items in the installer menu	18
10.3 Configuring zones and teaching radio detectors	19
10.3.1 Defining zone name	20
10.3.2 Selecting zone type	21
10.3.3 Selecting partitions	22
10.3.4 Selecting zone attribute	22

10.3.5 Adding/deleting a detector	23
10.4 Configuring outputs	26
10.4.1 Editing outputs	26
10.4.2 Defining output name	27
10.4.3 Selecting output type	27
10.4.4. Add output	29
10.5 Other Devices	31
10.5.1 External siren	31
10.5.2 Info module	32
10.5.3 Wireless Accessory Module (WAM)	34
10.5.4 Arming station	36
10.6 Configuring partitions	38
10.6.1 Configuring exit mode of partition	39
10.6.2 Configuring exit delay of partition	40
10.6.3. Configuring entry delay of partition	40
10.6.4 Activating alarm response of partition	40
10.6.5. Configuring exit mode on internal activation of partition	41
10.6.6. Configuring behaviour of zones at internal activation	41
10.6.7. Strobe On Set	41
10.6.8. Strobe On Unset	41
10.7. Configuring system options	42
10.7.1. Configuring user options	43
10.7.2. Remote Access	44
10.7.3. Selecting a language	44
10.7.4. Factory settings	45
10.7.5. Installer code	45
10.7.6. Entry Timer On Unset	46
10.7.7. PA Response	46
10.7.8. System Auto Rearm	47
10.7.9. Siren Delay	47
10.7.10. Siren Time	48
10.7.11. Stray on Entry Route Delay	48
10.7.12. Supervision Fail Response	49
10.7.13. Jamming Detection	50
10.7.14. Batt Load Test	50
10.7.15. Siren in Part Set	51
10.7.16. Force Set	51
10.7.17. RF Siren Options	52
10.8. IP Network	52
10.9. Configure download settings	53
10.9.1. Account Name	54

10.9.2. Connection Type	55
10.9.3. Ring to Answer	55
10.9.4. Answer on 1 ring	56
10.9.5. Access mode	56
10.9.6. Phone Book	57
10.9.7. IP Network	58
10.9.8. Secure Callback	58
10.9.9. Modem Baud Rate	59
10.10. Configuring communication settings	59
10.10.1. Configuring alarms	60
10.10.2. Social Care	72
10.10.3. Configuring speech dialler	77
10.10.4. SMS	81
10.10.5. Line Fail Reporting	85
10.11. Configuring social care	86
10.11.1. Start/End Monitoring at	86
10.11.2. Monitoring Interval	87
10.11.3. Set Volume / Voice Connection	87
10.12. Test function	88
10.13. View Log	92
10.14. Displaying system information	92
11. ISDN/GSM/Ethernet/GPRS Module	93
12. USB port and programming	96
13. Technical data	98
14. Declaration of Conformity	100
15. Glossary	100
16. Installation Guideline	100

3. Precautions

!WARNING!

To avoid fire and injury, please observe the following:

- Securely fasten the device at a dry location in the building.
- Ensure sufficient air circulation for the alarm station.
- Do not expose the panel to temperatures less than 0°C or more than 50°C.
- The panel is designed for indoor use only.
- Humidity must not exceed 90% (non-condensed).
- Make sure that no metal objects can be pushed into the equipment from outside.
- Ensure that the voltage is disconnected when carrying out work on the station.

!IMPORTANT!

Please observe the following regulations to ensure trouble-free operation of your system.

- The alarm panel is supplied with DC power by means of the internal transformer.
- The transformer is connected to the 230V AC building mains by means of a separate, electrically protected line.
- Connection work to the building mains is subject to country-specific regulations.
- A rechargeable battery supplies emergency standby power.
- The maximum power consumption of connected components must never exceed 1A.
- Always replace fuses with fuses of the same rating, never higher.

!IMPORTANT INFO!

Burglar alarm stations in general:

If the equipment is not correctly installed, signals may be misinterpreted and result in false alarms. The costs resulting from the deployment of rescue organisations, e.g.: fire or police, are borne by the operator of the equipment. Therefore please read the instructions very carefully and follow the installation instructions for lines and components precisely.

4. Scope of delivery and accessories required

Scope of delivery

Burglar alarm station
Installation Instructions
Operating instructions
Installation DVD
Downloader CD



You also need:

Alarm detector
Signal transmitter

Optionally available:

Info module
Wireless control Panel
Secvest Key
Remote Control
WAM (Wireless Accessory Module)
ISDN module
GSM module

Extras:

Tools required:

Flat screwdriver
(small)
Phillips screwdriver
Drill
6mm drill bit
4mm drill bit
6mm screws
4mm screws
Wallplugs, filler, etc.

5. Notes on connection and extension options

The radio alarm panel is the basic device of an electronic security system for protecting your property (e.g.: apartment, house, garage, shops, etc.). In combination with other components such as radio detectors and signal transmitters, it secures the areas to be monitored. The alarm is triggered by unauthorised break-in attempts.

You can program the panel either via the integrated keypad, locally via the software, or via the communications software and equipment. You can also activate the panel via the integrated keypad or via remote control equipment such as radio cylinder or radio keypad.

The radio alarm panel can transmit an alarm via analogue or digital telephone equipment. Via the optional GSM module, the alarm can also be transmitted via the GSM network. Alarms can be transmitted in digital form via PSTN, ISDN, GSM, Ethernet and GPRS e.g., to a command centre, or by voice message to selected participants such as neighbours.

The radio alarm panel has 32 radio zones and 2 wired zones that are connected directly to the radio alarm station. The panel analyses signals from the trained radio components according to the zone programming and can also analyse radio communication for attempts to tamper with it.

Properties of alarm station:

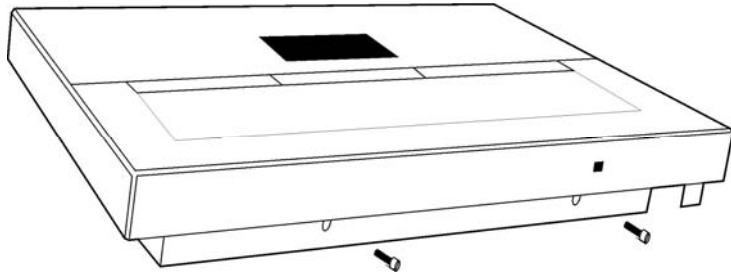
- 32 freely programmable radio zones, all of which can be programmed as follows:
Immediate, entry/exit, entry to follow, 24 hour, fire, panic, key-switch, block lock, technical or key-box.
- 2 freely programmable wired alarm zones in the radio alarm panel that can be programmed like the radio zones.
- Separately analyzed tamper and battery monitoring for every radio zone.
- 4 wireless arming stations, 16 wireless telecommands, 16 pendants, 8 wireless accessory modules, 50 proximity key tags.
- 2 wired relay outputs in the radio alarm panel and 32 programmable wireless outputs that can be configured for a specific event (alarm, fire, panic, ...).
- Integrated transformer (230V AC / 12V DC) for supplying the alarm panel and for recharging the battery.
- Emergency power supply via 6 x 1.2V NiMH rechargeable batteries (supplied)
- Simple programming and operation via the integrated keypad or software.
- The state of the alarm zones and the alarm panel is displayed on a plain-text display.
- Zone blocking as a way of temporarily removing individual alarm zones from surveillance.
- Access authorisation for operating and programming using a 4-digit code.
- 250 times alarm and event memory with date and time stamp.

6. Notes on security system

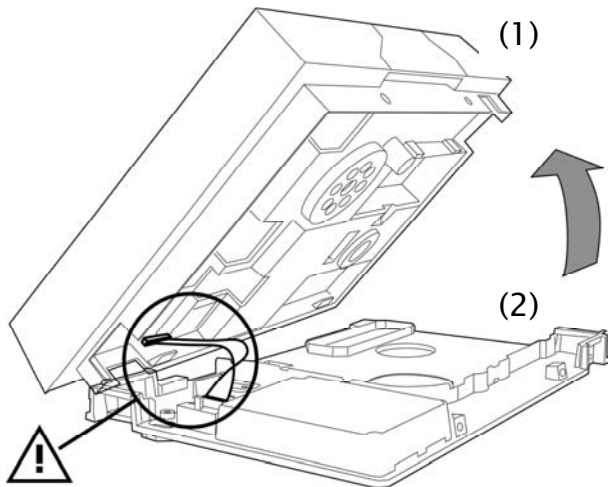
6.1 Opening the panel casing

Install the alarm panel in the order described here.

First remove the two screws on the base of the radio alarm panel as shown here.

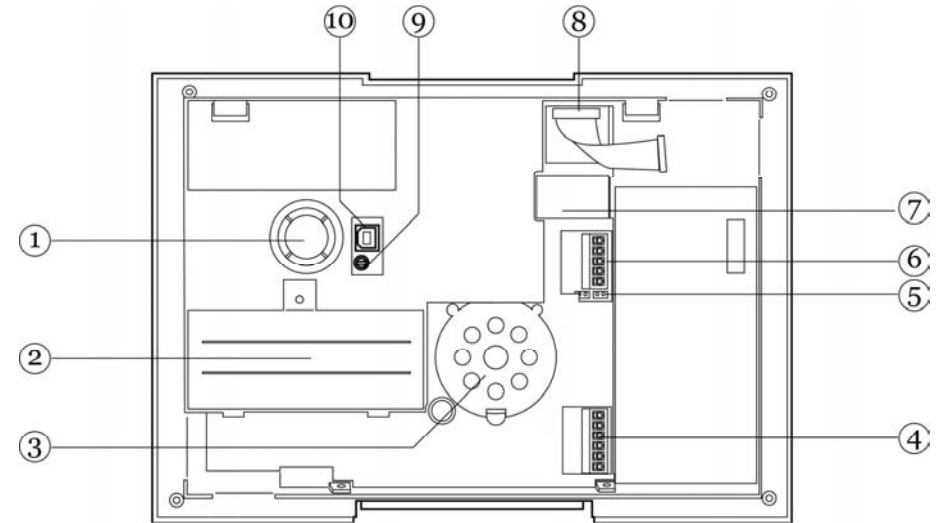


Open up the top part (1) of the radio alarm panel and separate the base plate (2) from the rest of the station. Take particular note of the cable connections.



6.2 Connections in the upper part

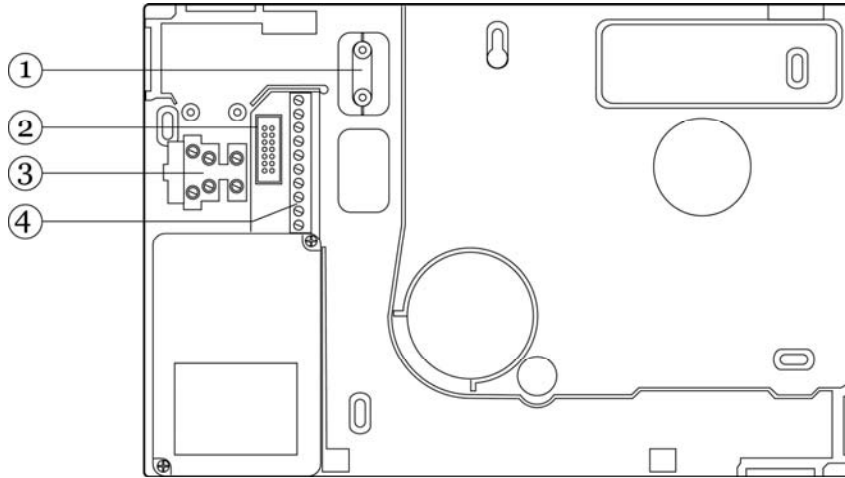
The following figure shows the connections in the upper part.



Number	Description
1	Internal siren
2	Battery case
3	Internal loudspeaker
4	Connection for analogue telephone
5	Kickstart and code reset jumper (KS + RESET)
6	Connector for external loudspeaker and microphone (separate device)
7	Connector for extension modules (ISDN/GSM module)
8	Connecting cable between base plate and upper part
9	Loudspeaker volume control
10	USB port

6.3 Connections in the base plate

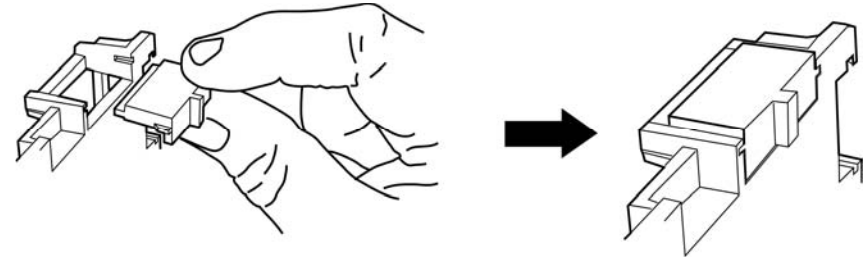
The following figure shows the connections in the panel base plate.



Number	Description
1	Cable clamp for the 230V AC mains lead
2	Connector for connection cable
3	230V AC mains connection
4	Connector clamps for wired zones and outputs

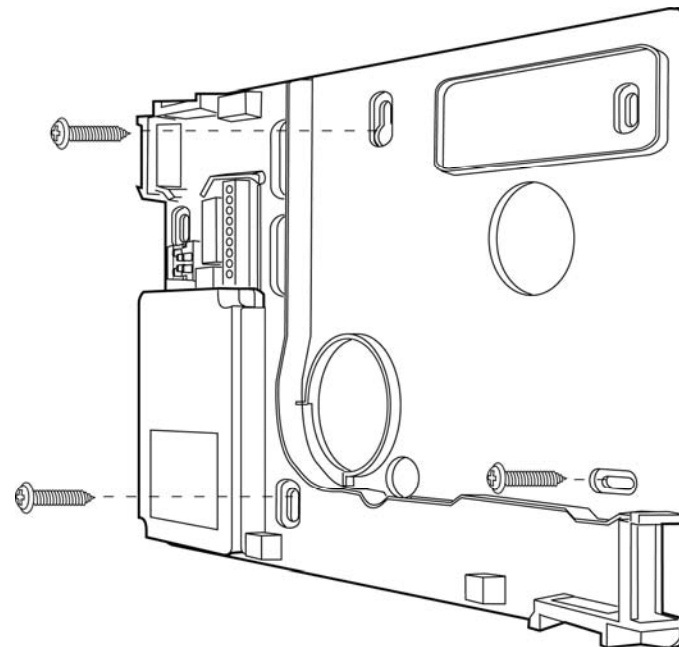
6.4 Blanking off non-used cable inputs

Use the plastic blanks supplied to blank off the cable inputs that are not used. See next figure for fitting.



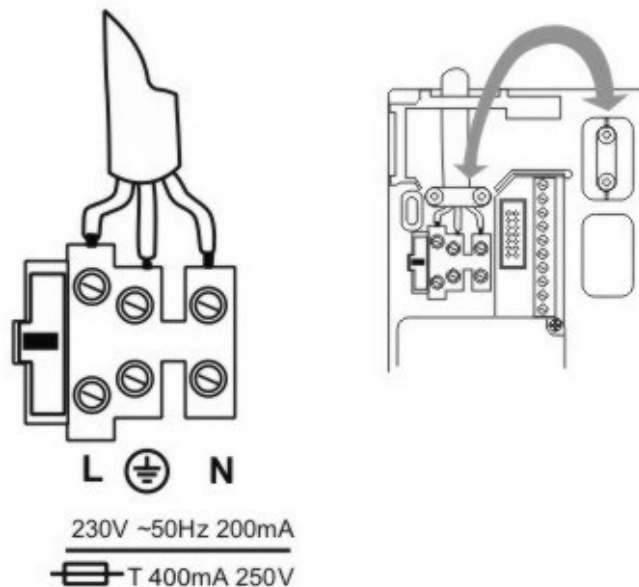
6.5 Installing the base plate

Now fix the base plate to the wall as shown in the next figure. Make sure the panel is installed so that the rear is not screened by hidden metal. Fix the panel at a height at which the user can easily read the information on the display.



6.6 Connecting the panel to 230V mains voltage

Connecting the panel to the 230V AC mains network is subject to national regulations. Check that no voltage is present in the connection cable when fitting. Connect the 230V mains supply to the mains connector as shown in the diagram and do not forget to fix the cable in the cable clamp to relieve tension on the cable:



IMPORTANT: Colour code of the mains supply

L: brown or black

Ground: green/yellow

N: blue

IMPORTANT: Always replace the mains fuse by a fuse of the same type and never with a higher-rated fuse.

6.7 Connecting wired detectors (optional)

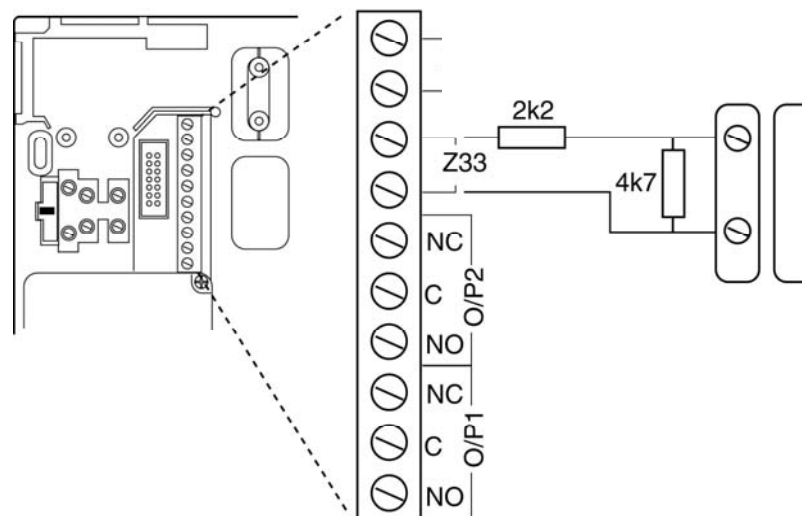
Connect wired components as shown in the diagram. Note that sensors can be connected in only one way:

Zone closed when the output resistance is 2.2 kOhm (two resistors inserted). The 4.7kOhm resistor is placed as well; however, it is by-passed by the alarm contact of the detector (see below drawing).

In this variant, the tamper contact and alarm contact are monitored in one zone. In the event of a change of resistance, the alarm panel can distinguish whether it is a real alarm or tampering. Note that there are two different resistance values:

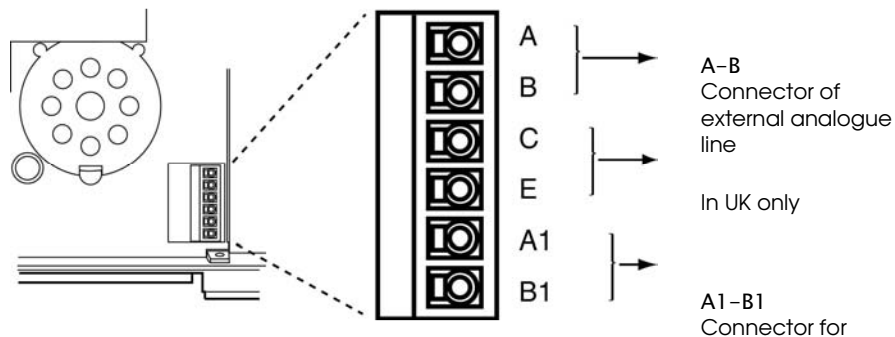
A: 2.2 kOhm (red, red, red, gold)

B: 4.7 kOhm (yellow, violet, red, gold)



6.8 Connecting the analogue telephone (optional)

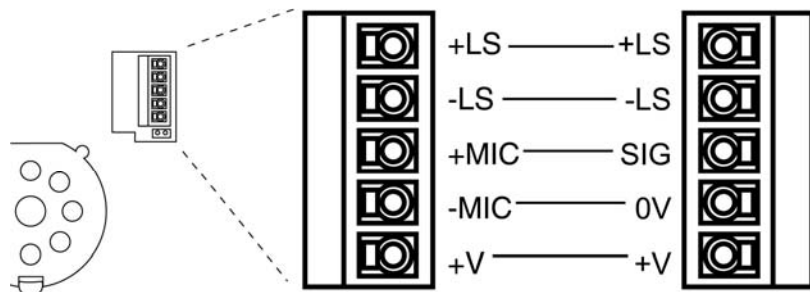
See Appendix B for instructions on connecting ISDN and GSM equipment. Connect the analogue telephone as shown in the diagram:



analogue terminal devices e.g. telephone/fax

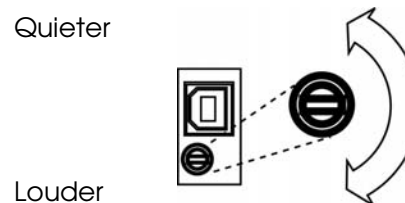
6.9 Connecting external loudspeakers / microphones (optional)

In addition to the internal loudspeaker and microphone, you can also connect a further loudspeaker / microphone to the radio alarm panel as shown in the diagram. For this, order the FU extension set.



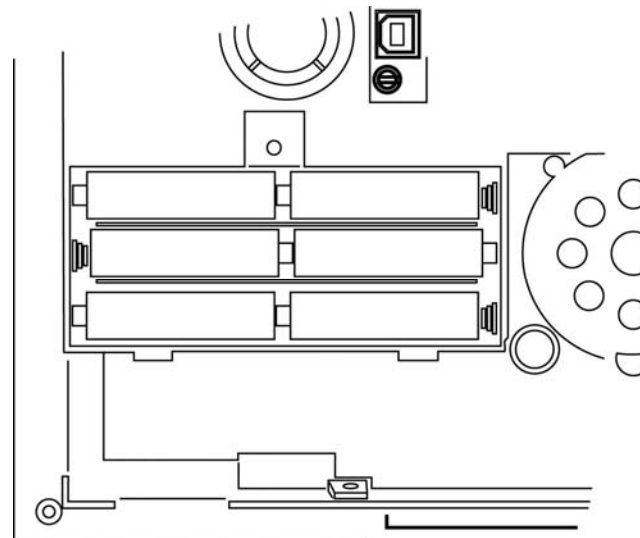
6.10 Adjusting the loudspeaker volume

You can adjust the volume of the internal (external) loudspeaker with the volume control shown. This affects only non-alarm signal tones. The volume of alarm tones cannot be adjusted. Adjust the volume as shown here:



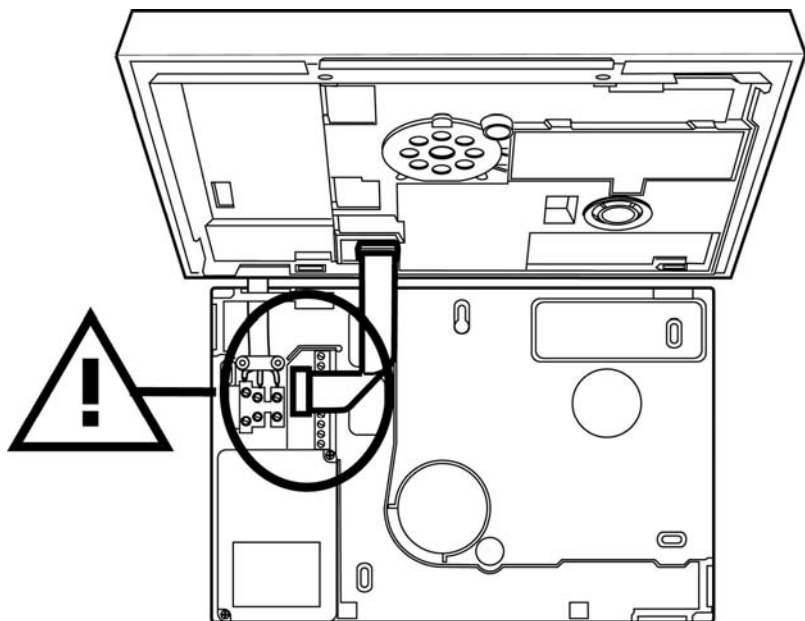
6.11 Inserting rechargeable batteries for emergency power supply

Place the batteries (note parity) in the battery case. Replace the batteries every two years at the latest by batteries of the same type. Use batteries with the following specifications only:
1.2 – 1.5VDC, 2100mAh, NiMH



6.12 Closing the alarm panel

Reconnect the upper part to the base plate. Do not forget to fit the connection cable between the base plate and the alarm station. At the same time, check that all other connections (emergency power supply and loudspeaker) are correctly connected to the upper part. Now close the panel and replace the casing screws on the base.



Do not connect to 230V AC until the panel is properly reassembled.

6.13 Notes for testing the alarm panel

To test the alarm panel functions without fixing the panel to the wall and without 230V AC mains voltage, you have to activate the system via the kickstart.

After inserting charged batteries, short-circuit the kickstart jumper on the upper side of the alarm panel to put the radio alarm panel into operation.

6.14 Final steps

You have now made all connections and the radio alarm panel is ready for programming.

Note: When you connect the radio alarm panel to the power supply for the first time, the radio alarm panel asks you to select the language to be used by the display, followed by the default programming options for a particular country. You can examine the defaults when you enter programming mode.

Irrespective of whether you have connected the panel to 230V AC mains voltage or short-circuited the kickstart jumper, the panel is now in user mode.

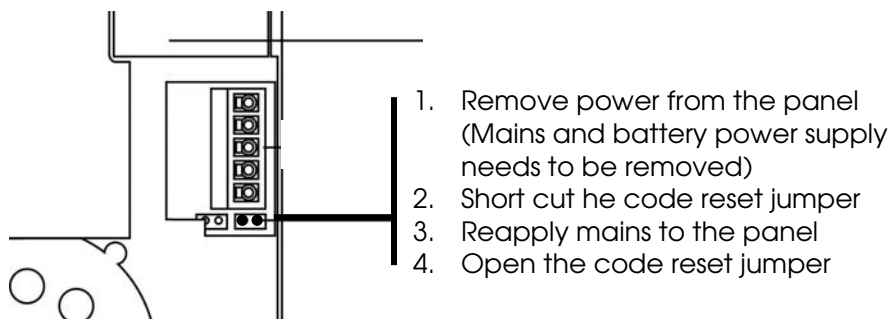
Before you start programming, read the explanation of terms in the following section. If you are familiar with these terms, you can skip the next section and start programming the station.

6.15. Codereset

If the installer and/or administrator code gets lost, it is possible to execute a code reset. In this way all user settings (also programmed telecommands) will be deleted and the factory defaults for installer and user codes are reset. All programmed settings in the installer menu will remain and will not be deleted or reset.

The factory default for the installer code is 7890

The factory default for the administrator code is 1234



7. Explanation of terms

Before starting to program the alarm station, you should understand the terms used. An explanation of zone types and their attributes.

NOT USED

Program a zone for which no radio detector has been trained or to whose input no detector has been wired and is therefore not noted as a Not Used zone type.

NORMAL ALARM

If the alarm panel is active, this zone immediately triggers an alarm if a radio detector sends a change to the radio alarm panel or if the state of the alarm zone changes (e.g., opening the alarm contact).

ENTRY ROUTE

This zone triggers no alarm if an entry/exit zone has previously activated the entry delay time. An immediate alarm is triggered if no entry delay is first activated. You can use this zone type for a motion sensor in the entrance hall pointing to the entry door (fitted with a door contact). This detector can be used as an entry/exit detector for internal activation. This zone can be opened when you exit the installer menu.

FINAL EXIT

If the burglar alarm panel is active, this zone first triggers an alarm following a specified delay time (entry delay). This zone type can be used for the door contact of your entrance. When you leave the premises, closing this zone can also be used for ending the exit delay.

24 HOUR

This zone always triggers an immediate alarm. If the alarm panel is deactivated, the alarm is first heard via the integrated buzzer in the station. In an active state, the siren output is also activated. If a 24-hour zone is locked, this applies to the deactivated state only.

FIRE

This zone always triggers an alarm, irrespective of whether the burglar alarm panel is activated or deactivated. The alarm tone is affected via the buzzer in the radio alarm panel and the external siren as a pulsed alarm tone. Teach only fire detectors for this zone.

PA (PANIC)

This zone always triggers an alarm, irrespective of whether the burglar alarm panel is activated or deactivated. A panic alarm can also be transmitted silently (e.g.: via an optional telephone dialler). The program menu can be exited only when this zone is closed.

TECHNICAL ALARM

In deactivated state, a technical zone triggers an alarm via the radio alarm panel and an optional dialler. In activated state, no alarm is triggered. If an alarm occurs in this zone in activated state, this is displayed when the alarm panel is deactivated. You can use this zone type for flood sensors.

KEY SWITCH MOMENTARY

Train a key-switch (pulse) for the radio alarm station. Any change to this zone changes the state of the alarm panel from active to inactive or from inactive to active (following a timeout of the delay time).

KEY SWITCH LATCHED

A key switch (permanent) can be connected to the burglar alarm station. Any change to this zone changes the state of the alarm panel from active to inactive or from inactive to active (following a timeout of the delay time). Note that you can operate the alarm panel only via the key switch. If the state is unclear, e.g.: the key switch is closed, and deactivated at the radio alarm panel, the alarm panel can return to active state.

Notes:

1. These two zone types are intended for use on zones that connect to an access control keypad, electronic key or other type of hardwired device used to set or unset the system.

- 2. When the user operates the keyswitch while the system is unset then the radio alarm panel starts the programmed exit mode.*
- 3. When the user operates the keyswitch while the system is set then the radio alarm panel unsets the system immediately.*
- 4. The user cannot reset the system from a Keyswitch zone.*
- 5. Do not assign more than one Latched Key Switch zone to one partition.*

KEY BOX

This zone is mainly used in Scandinavia. If this zone is opened, this event is stored in the memory of the burglar alarm station. The event can also be transmitted via the telephone dialler. No alarm is triggered. When a zone of this type is required, the Installer connects the alarm wires of the zone (usually the auxiliary contacts of a door contact) to a special external key box and the tamper wires to the box enclosure switch. When someone opens the box the radio alarm panel logs the event and communicates it to the ARC.

Exit Normal Alarm

A zone programmed as 'Exit Normal Alarm' behaves similarly to a Normal Alarm zone. However, a zone of this type will start an alarm if the detector is triggered during the exit time.

ZONE

A zone is a detector that has been trained for the radio alarm station. Zones can have very different attributes. The detector does not know if the radio alarm panel is active or not. A detector therefore always sends an alarm to the panel if it registers a change. The radio alarm panel then evaluates whether this message is to trigger an alarm response or not.

SYSTEM SET

When the radio alarm panel is active, it monitors all zones for changes to the line voltage and triggers a local alarm and optionally an external alarm.

SYSTEM UNSET

When the radio alarm panel is inactive, it monitors only zones that are always active, such as 24-hour zones, technical zones, and fire alarms. An alarm triggered by one of these zones usually results in an internal alarm.

SYSTEM PART / COMPLETE SET

In addition to the complete activation of the burglar alarm station, you can also activate individual partitions (A, B, C, D). In addition you can also internally set your alarm system. This means that areas can be activated and protected even if you are at home. **To use the function system / partition part set you need to programme at least one detector with the zone attribute "part set" (see detectors configuration).**

INTERNAL ALARM

In the case of an internal alarm, only the buzzers of the radio alarm panels and the optional loudspeakers are activated.

LOCAL ALARM

In the case of a local alarm, the connected combination signalling devices (flashlight and siren) are also activated.

EXTERNAL ALARM

In the case of an external alarm, not only the acoustic and visual signalling devices are activated: the alarm is also transmitted via telephone.

PARTITIONS

The radio alarm system has a total of 4 partitions. Each of these partitions can be activated or deactivated individually. Each detector can be assigned to one or more partitions. The detector is not monitored until all partitions to which the detector is assigned have been activated (exception: detectors that are always active such as fire or 24-hour detectors).

COMMUNICATION

Using the menu option communication in the installer menu you can setup four different possibilities to transmit an external alarm.

Alarms

This type of alarm transmission is used if the alarm panel is connected to a monitoring station. The transmission is done via digital protocol. This type of transmission can not be used to transmit an alarm to a public telephone. You can either use the SIA or Contact ID protocol, as well as Fast Format.

Social Care

This type of alarm transmission is similar to the alarm transmission and also transmits only a digital protocol. In this case the panel offers other digital protocols. This type of transmission cannot be used to transmit an alarm to a public telephone.

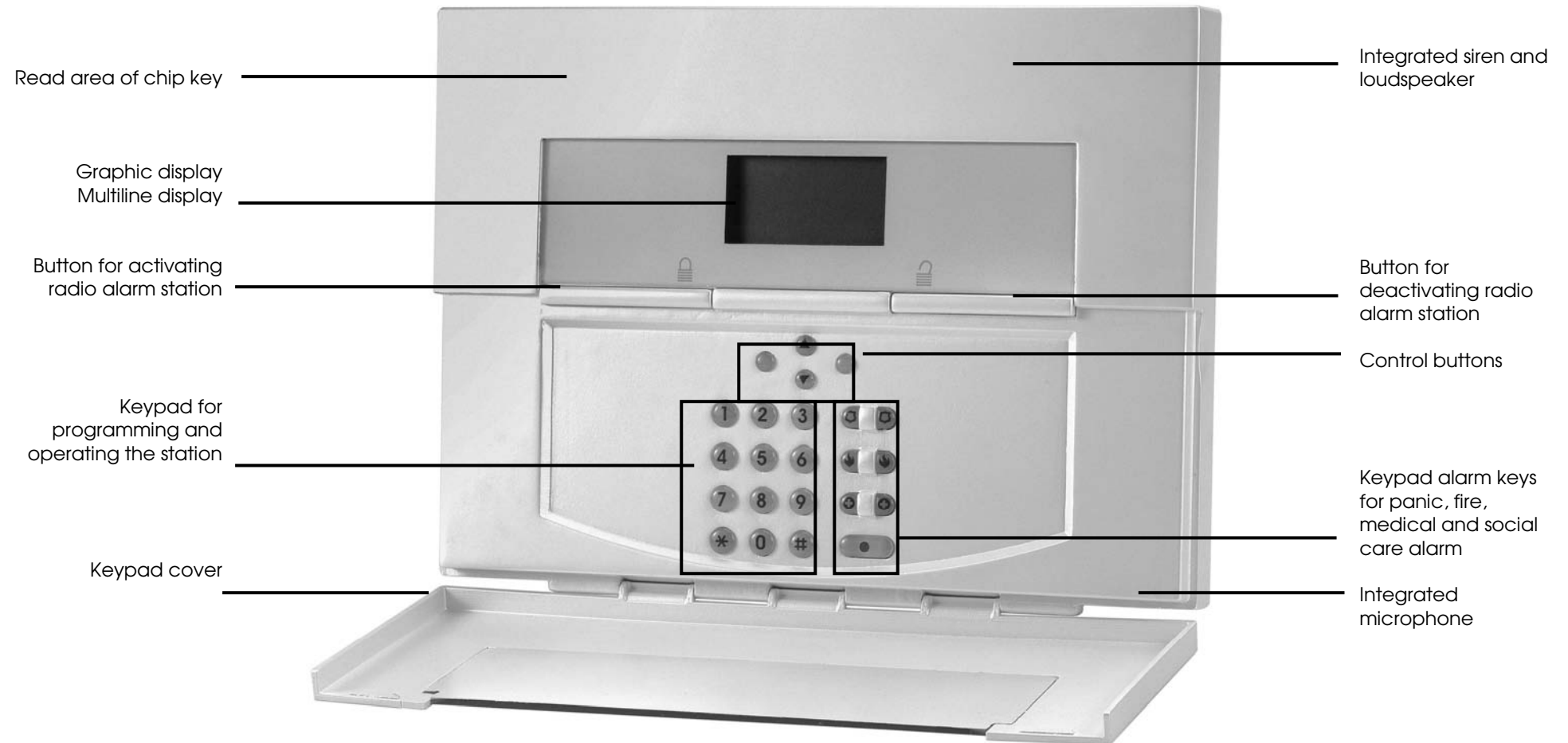
Speech dialler

This type of transmission is used to transmit an alarm to a public telephone. In this case the alarm panel works similar to an answering machine. Pre recorded messages are being transmitted to predefined phone numbers. The called person hears the recorded message and can acknowledge the alarm if necessary.

SMS

The transmission type SMS is done similar to the transmission via speech message. Pre set SMS messages will be send to predefined phone numbers. SMS messages can also be transmitted via the analogue telephone line (service availability is depending on the phone system).

8. Overview of alarm panel and keypad



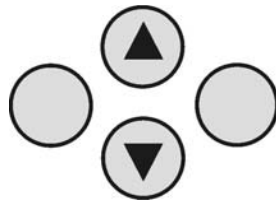
9. Installer mode

There are two ways of programming the radio alarm station:

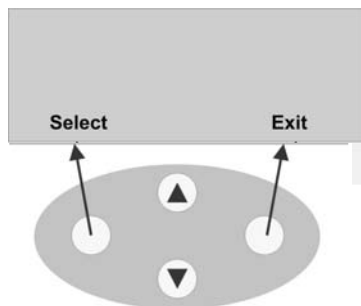
- A: Via the keypad on the radio alarm station.
- B: Via the software either locally or via the communications software.

The following describes how to program the radio alarm panel via the keypad. To program the radio alarm panel via software, see the software instructions.

The installer menu is graphically designed to be used almost intuitively. You move within the installer menu by pressing the control buttons.



With the arrow keys, you navigate up and down within a menu item according to the direction of the arrow. The buttons on the left and right refer to the LCD display and have various functions.



10. Settings in installer mode

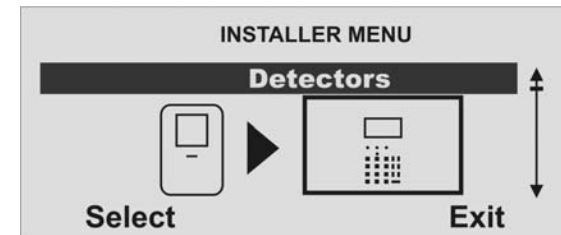
10.1 First steps in installer mode


In user mode, do the following:

Enter a valid installer code: **7 8 9 0**
(Factory setting of installer code: 7890)

After entering the installer code, you have to enter an administrator code. When delivered, the administrator code is 1234: **1 2 3 4**

The radio alarm panel changes to installer mode and displays the following text: "You are in installer mode".




With the control buttons  you can now scroll through the menu items in installer mode. For a list of the menu items, see the next page (Table 1).

To select a menu item, press the control button  under the word Select.

To exit a menu item, press the control button  under the word Back.

To exit installer mode, press the control button  under the word Exit.

Confirm the display Leave Installer mode by pressing the control button

 under the word Yes.

The radio alarm panel changes to user mode and displays the following text:

"You have left installer mode."

10.2 List of menu items in the installer menu

In installer mode, you can teach radio detectors, configure controllable outputs, define partitions, etc. The following table provides a summary of the menu items:

Menu item	Settings
Detectors	Teach/delete detector, configure zones
Outputs	Add outputs/edit outputs
Other Devices	Install external sirens, WAM (Wireless Accessory Module), info module, remote radio alarm panel
Partitions	Assign partitions to zone, configure partitions
System Options	Perform user functions, select language, restore default settings, change installer code, define delay and siren times, configure supervision and radio jamming detection
IP Network	Configure IP settings
Download	Configure download settings
Reporting	Configure telephone settings, define transmission types
Social Care	Configure social care, define time window
Test	Panel and detector test, output test, walk test, radio communication
View log	Read event log
About	Read information about software and hardware state

Table 1: Menu items in the installer menu

10.3 Configuring zones and teaching radio detectors

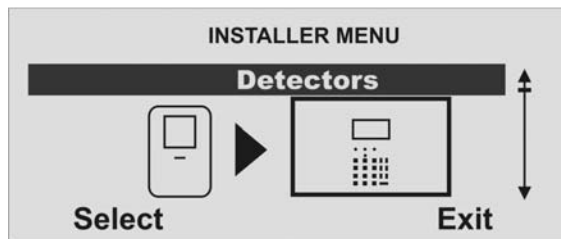
If you are in user mode, you first have to change to installer mode. Proceed as follows:


Enter a valid installer code (factory setting 7890): **7 8 9 0**

You may also have to enter the master code (factory setting 1234).

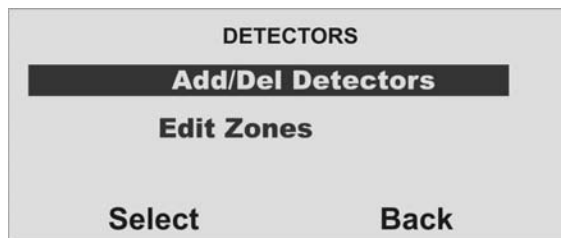
The radio alarm panel changes to installer mode and displays the following text: *"You are now in installer mode"*.




You see the following graphic display:

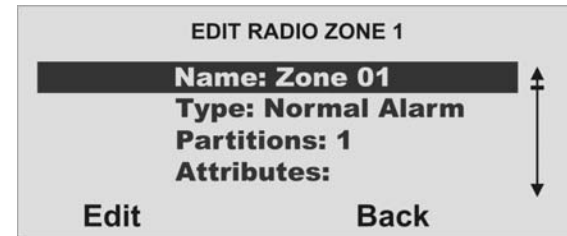


Select this menu item by pressing the control button  under the word **Select**.

You see the following graphic display:




Press the control button  to select **Edit Zones** and confirm by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**. After confirming **Edit Zones** with the **Select** button, you receive the following graphic display:





This shows you a summary of the configuration of the displayed zone. An explanation of the menu items:

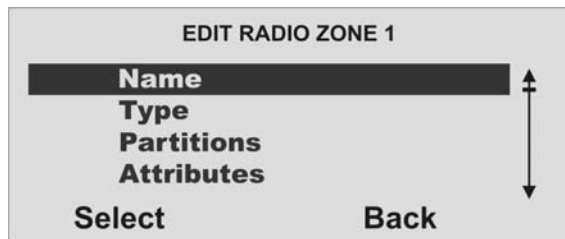
Display	Meaning
Name	Zone name (freely definable for greater clarity, e.g.: BW Bathroom, RM Kitchen, MK Entrance).
Type	Zone type (e.g.: final exit, fire, panic, etc.).
Partitions	This zone is monitored if at least one of the displayed partitions is active.
Attributes	You cannot select this item. The display shows the zone attribute: C: Door chime function active S: Detector soak test active A: Activity control active P: Zone in part set monitored F: Force Set Omit, this means that the zone is automatically omitted if it should still be open when arming the panel.

Table 2: Menu items in "Detectors" menu




To see the attributes of another zone, use the control buttons  to switch between zones.

To edit the selected zone, select Edit by pressing the control button  under the word Edit. To cancel input, press the control button  under the word Back.

If you confirm Edit with the Edit button, you see the following graphic display:



For the meaning of the menu items, see Table 2 on the left.

Use the control keys  to select a menu option. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.




NOTE:

Wireless remote controls and pendants are not learned into the panel in this menu but are added to the user. Please learn remote controls and pendants in the user menu. Both detectors do not use up radio zones.

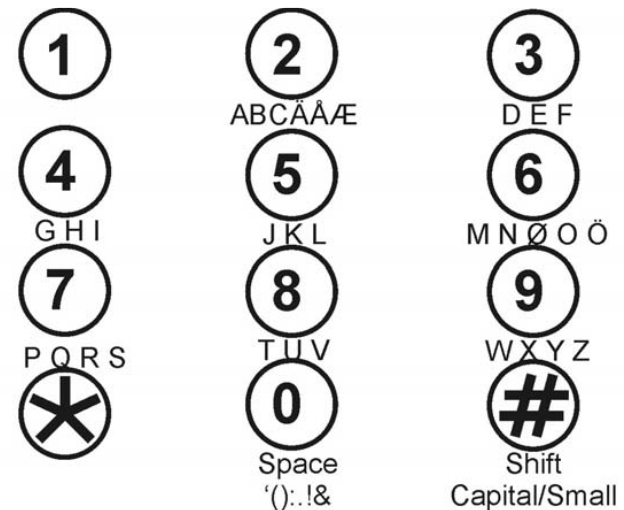
10.3.1 Defining zone name

If you confirm Name with the Select button, you see the following graphic display:






The cursor flashes at the last character. Use the control key  to move the cursor to the left or the right. To delete a letter, press the control button  under the word Delete. To save your input, press the control button  under the word OK.

Enter letters via the keypad. Letter-to-key assignment:

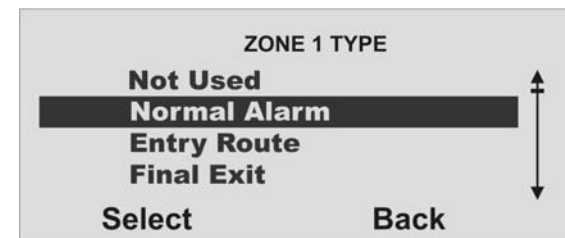





Note: If you press DELETE until the current name has disappeared from the display, and then press DELETE once more, the display leaves the name change screen and restores the name of the zone to its previous value.

10.3.2 Selecting zone type




After entering the zone name, use the control buttons  to select Type. Confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Type with the Select button, you see the following graphic display:

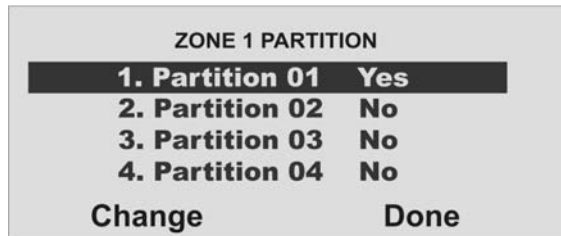





Use the control buttons  to select the respective zone type. For a list of zone types and their attributes, see page 12 of these instructions. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.3.3 Selecting partitions

After entering the zone type, use the control buttons  to select **Partitions**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.




If you confirm **Partitions** with the **Select** button, you see the following graphic display:



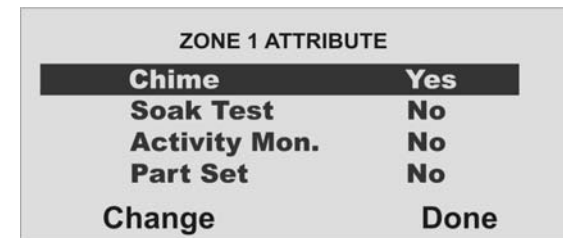
Use the control buttons  to select the partition in which this zone is to be monitored. At least one partition must be marked with **Yes**. For a list of partitions and their attributes, see page 13 of these instructions. Change the setting by pressing the control button  under the word **Change**. To end input, press the control button  under the word **Done**.




When you first teach a detector to the radio alarm panel then the zone defaults to partition 1. You can assign zones of the following type to one or more partitions: Normal Alarm, Final Exit, Entry Route, Key Box, and Exit Normal Alarm. Note: If you intend to use part set partitions then make sure that for any zone shared by more than one partition the part set options are all the same. The radio alarm panel will not allow you to assign zones of the following types to more than one partition: 24 Hour, Fire, Panic Alarm, and Technical.

10.3.4 Selecting zone attribute

After entering the partition, use the control buttons  to select **Attributes**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Attributes** with the **Select** button, you see the following graphic display:



Use the control buttons  to select the function you want to assign to this zone. Change the setting by pressing the control button  under the word **Change**. To end input, press the control button  under the word **Done**.

Attributes	Meaning
Chime	When this zone is triggered in deactivated state, the panel emits an acoustic signal (door chime).
Soak test	If a detector triggers a false alarm, activate the detector test. For further information, see the section "Test Function" in these operating instructions under "Walk test".
Activity Mon.	The detector function is inverted. An alarm is triggered at the panel if the detector reports no alarm within a specific period.
Part Set	This zone is monitored if the partition of this zone or all partitions are internally activated.
Force Omit Set	This zone is automatically omitted if the zone is still open when the panel is set.

NOTE:

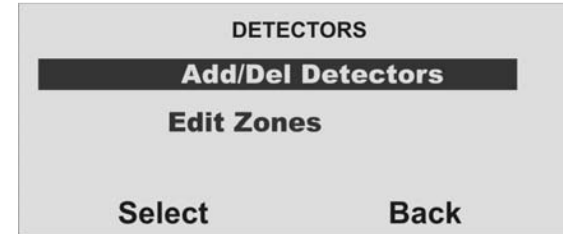
The attribute soak test is only to be used if a detector is likely to create false alarm. This function works automatically. To test the range of a detector you need to use the walk test function and do not activate the soak test. The soak test function disables the walk test function as the detector will not create an alarm but makes a note in the event log.




NOTE:

The attribute Force Omit Set needs to be activated

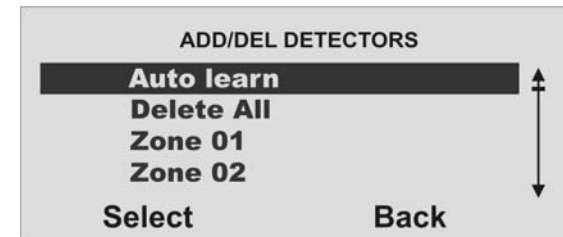
10.3.5 Adding/deleting a detector




After programming zone attributes for all zones, exit the menu items until you see the following graphic display:



Using the control buttons  select Add/del detectors. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.


If you confirm Add/del detectors, you see the following graphic display:



Use the control buttons  to select a function. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

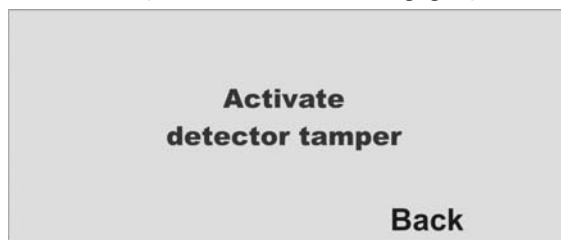
See next section for a description of functions.

Function	Meaning
Auto learn	If you select this item, you can walk through your premises and activate the detectors one after the other (by triggering the tamper contacts). The detectors send a learn message and the panel now automatically stores the book-in messages in sequence according to the zone locations.
Delete All	Deletes all trained radio detectors and zone attributes.
Zone nn	Here you can: <ul style="list-style-type: none"> a) manually teach a detector for this zone b) delete a detector from this zone without deleting the zone attribute c) delete a detector and its zone attribute

IMPORTANT: If a detector has been trained for a zone, the panel displays the  symbol next to the zone number.

10.3.5.1 Auto learn

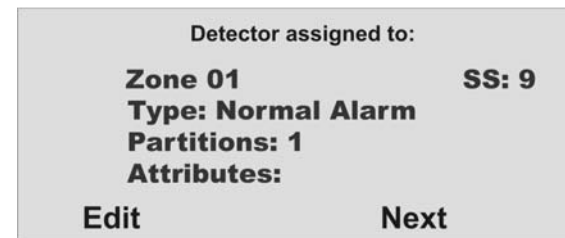
If you confirm **Auto learn**, you see the following graphic display:



Now trigger the tamper contact of the detector. The detector sends the learn message to the radio alarm station. If you do not want to train


any further detectors, press the control button  under the word Back.

If the panel receives the message, you receive the following graphic display:



This display shows you which zone the detector has been trained for, the zone type programmed for this zone, the partition in which the detector is monitored, and the zone attributes. You also see SS:, which shows the received signal strength. This value should be higher than 3 for good communication.

Now teach the next detector. After teaching all detectors, you can scroll through the display and:

change the setting for this zone by pressing the control button  under the word Edit.

View the attribute of the next detector by pressing the control button  under the word Next.

If instead of the above display you see the following:

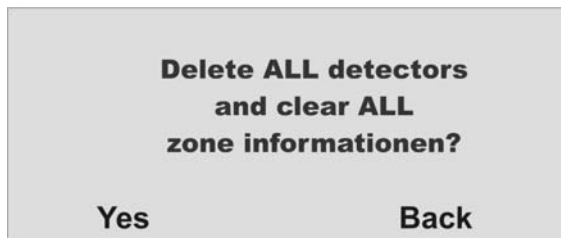




this detector has already been trained for another zone. Conduct a walk test to find out which zone this detector has been trained for.

IMPORTANT: It may happen that you see this display after teaching the detector for the first time and after receiving the learning confirmation message, since the detector sends its signal more than once. In this case, the display is meaningless.

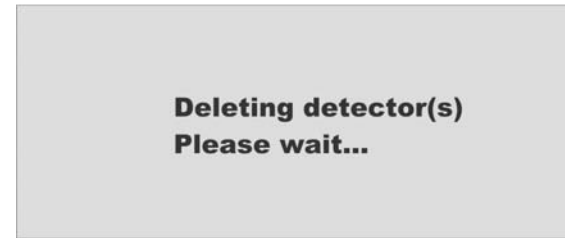
10.3.5.2 Delete All

If you confirm Delete All, you see the following graphic display:

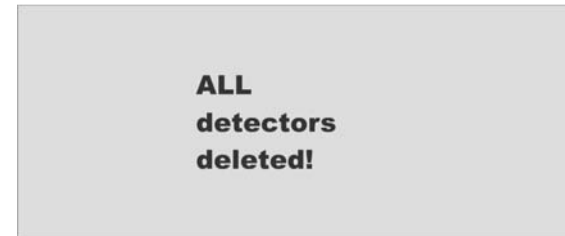


Confirm that you want to delete all zones by pressing the control button  under the word Yes. To cancel input, press the control button  under the word Back.

If you confirm Delete All, you first see the following display:



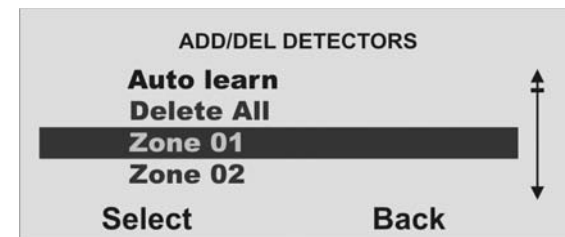
and if deletion is successful:



Now all detectors and zone attributes have been deleted.

10.3.5.3 Training a zone manually

You see the following graphic display:

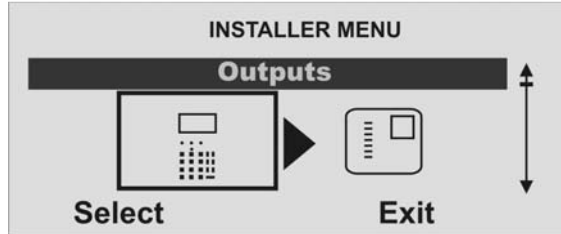



Select a zone and confirm with Select to teach a detector. You receive the same displays as for Auto learn (see Page 14).

10.4 Configuring outputs

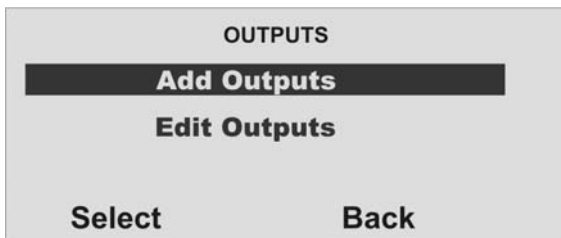
In the installer menu, use the control buttons to select the second menu item.




You see the following graphic display:



Select this menu item by pressing the control button  under the word **Select**.

You see the following graphic display:



Press the control button  to select **Edit Outputs** and confirm by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

10.4.1 Editing outputs




If you confirm **Edit** with the **Edit** button, you see the following graphic display:



For the meaning of the menu items, see Table 6 below.

Display	Meaning
Name	Output name (freely definable for greater clarity, e.g.: Siren, flash, Kitchen light).
Type	Output type (e.g.: Flash following, intrusion following)




Table 6: Menu items in "Outputs" menu

Use the control keys  to select a menu option. Confirm your selection by pressing the control button  under the word **Edit**. To cancel input, press the control button  under the word **Back**.

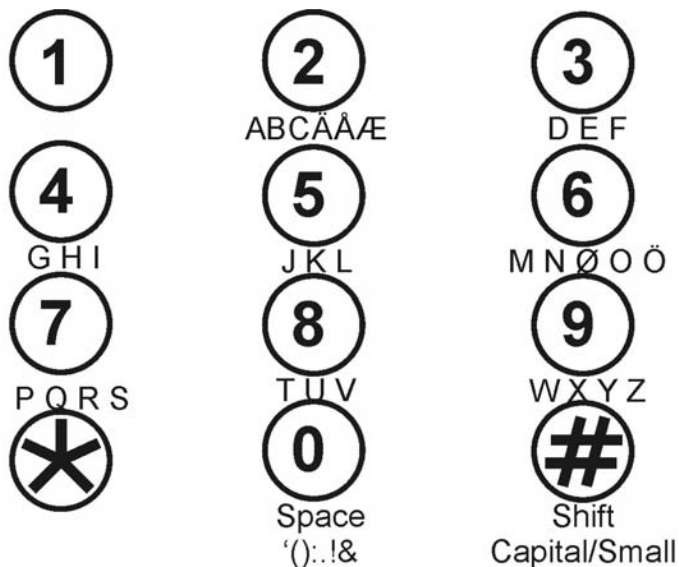
10.4.2 Defining output name

Select Name with Select and you see the following graphic display:






The cursor flashes at the last character. Use the control key  to move the cursor to the left or the right. To delete a letter, press the control button  under the word Delete. To save your input, press the control button  under the word OK.

Enter letters via the keypad. Letter-to-key assignment:

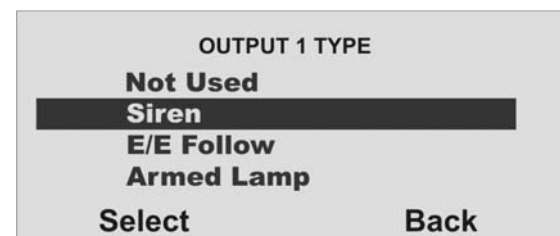





10.4.3 Selecting output type

NOTE: In this menu you have also the option to set and unset the panel at a certain time automatically. Please see the note on the next page (output type user defined).

After entering the output name, use the control buttons  to select Type. Confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Type with the Select button, you see the following graphic display:



Use the control buttons  to select the respective output type. For a list of output types and their attributes, see Table 7 on the right. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

Function	Meaning
Not used	This output is not in use and is never activated. (Exception: complete power loss)
Siren	This output is activated on local alarms for the defined siren duration.
E/E Follow	This output is activated for the duration of the delay time (entry/exit delay active).
Armed Lamp	This output is activated as long as the alarm panel is completely or internally activated.
24 Hour	This output is activated if a 24-hour zone triggers an alarm.
Strobe	This output is activated for a local alarm and remains active until the radio alarm panel is deactivated.
Strobe Set	This output is activated for approx. 10 seconds following successful activation of the radio alarm panel and is used for acknowledging activation. In addition this function needs to be activated in the menu partitions. This output is also activated for a local alarm and remains active until the radio alarm panel is deactivated.
Pulse Set	This output is activated for approx. 1 second following successful activation of the radio alarm station.
Pulse Unset	This output is activated for approx. 1 second following successful deactivation of the radio alarm panel as well as for a panic or fire alarm.
Setting complete	This output is activated for approx. 10 seconds following successful activation of the radio alarm station.
Siren P1 – P4	This output is activated on local alarms in the selected partition for the defined siren duration.
Strobe P1 – P4	This output is activated for a local alarm in the selected partition and remains active until the radio alarm panel is deactivated. In addition this output is activated for ten seconds when the partition has been successfully activated.

Technical Alarm	This output is activated if a technical zone triggers an alarm.
Function	Meaning
Medical	This output is activated if a social call is activated.
PA	This output is activated if a panic alarm is activated.
Fire	This output is activated if a fire alarm is activated.
Zone follow	This output follows the state of a zone. If you select this type, you see a list of zones. Select a zone.
User defined	This zone can be remote-controlled by various components such as: remote radio alarm panel or code keypad. The output can also be assigned times at which it is to be activated and deactivated. If you select this output type, you can enter the times at which the output is to be activated or deactivated (see note below).
P1 – P4 FullSet RDY	This output is activated when the partition is ready to be activated.
P1 – P4 Part Set	This output is activated if a partition is internally set.
P1- P4 FullSet	This output is activated if the partition is set.

Table 7: Output types

After configuring output name and type, you can wire the outputs of wired outputs. You now have to teach the output for the radio outputs.

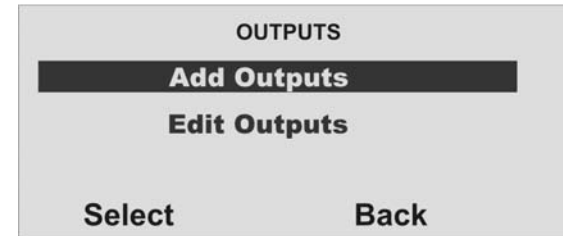
IMPORTANT: Do not add outputs if you use the WAM (Wireless Accessory Module) as output module, since this reserved the outputs automatically. For more information, see the section WAM (Wireless Accessory Module) in these instructions.




NOTE: If you select the output type user defined, you can now connect this output with the wired inputs of the panel (zone type block lock). In this way you can set and unset the panel at a certain time. An output programmed as user defined can also be controlled via the remote control. Make sure that you program this function in the users menu/system setup/remote controls (see user manual).

Proceed as follows to add a radio output (not for Wireless Accessory Module):

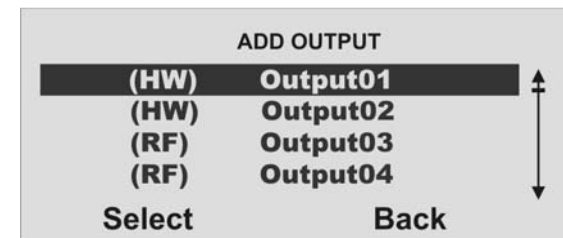
10.4.4. Add output



You see the following graphic display:



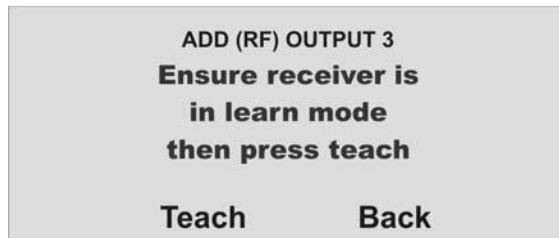
Press the control button  to select Add Outputs and confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.



You see the following graphic display:



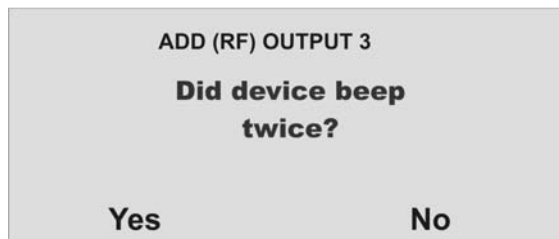
Select the first radio output ((RF) Output03) and confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.



You see the following graphic display:



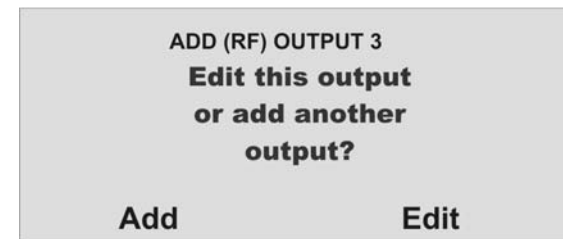
If the WAM is in learn mode, activate the sending of a message by pressing the control button  under the word **Send**. To cancel input, press the control button  under the word **Back**.



After activating send mode, you receive the following graphic display:



If the receiver beeped twice, the learn message was correctly received. End the teach process by pressing the control button  under the word **Yes**. To cancel input, press the control button  under the word **No**. The learn procedure now starts again.

After ending the learn procedure, you receive the following graphic display:

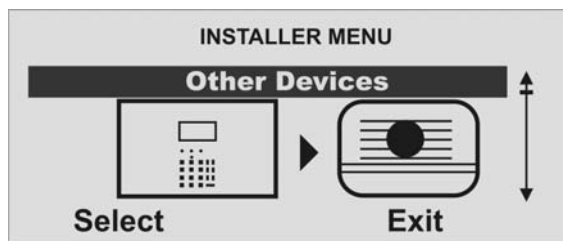



To add another output to the radio alarm station, press the control button  under the word **Add**. To edit the output you have just trained, press the control button  under the word **Edit**.

10.5 Other Devices

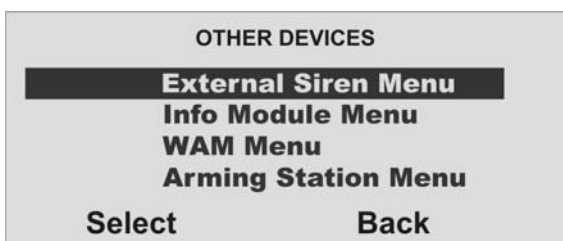
In the installer menu, use the control buttons to select the third menu item.




You see the following graphic display:



Select this menu item by pressing the control button  under the word Select.

You see the following graphic display:

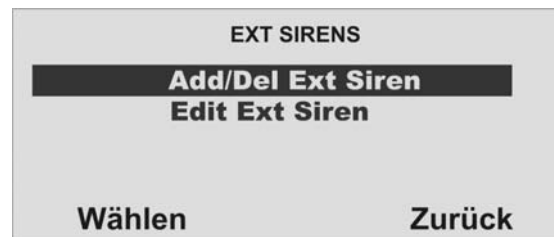





Use the control buttons  to select a function. For a list of functions and their attributes, see Table 16 on the right. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.5.1 External siren

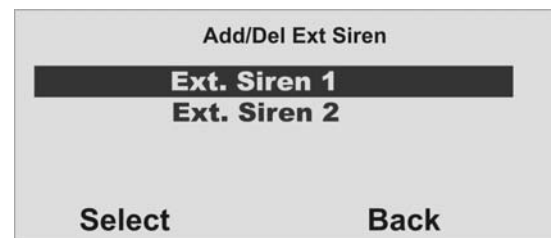
(Optional radio external siren - not a combination of external siren and Wireless Accessory Module)


If you confirm External Siren Menu with Select, you see the following graphic display:



Press the control button  to select Add/Del Ext Siren and confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

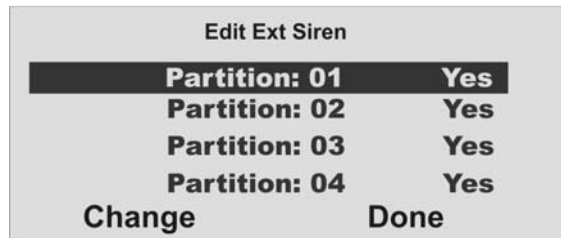
You see the following graphic display:






Select a siren (1 or 2) and confirm your selection by pressing the control button  under the word Select. Now trigger the tamper contact of the siren (see the instructions on "Sirens"). When the siren has been trained, the radio alarm panel beeps twice to acknowledge.

Now select Edit Ext Siren.

After selecting Edit Ext Siren, you see the following graphic display:



Use the control buttons  to select a partition. Change the setting by pressing the control button  under the word Change. To end input, press the control button  under the word Done. If you want the siren to be activated when the partition triggers a local or external alarm, it must be set to Yes.

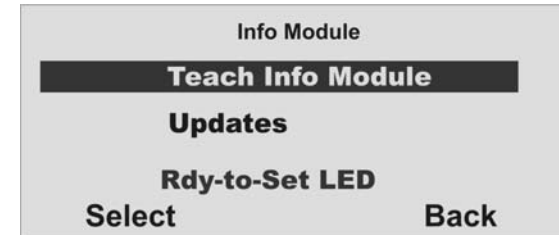
In the same way, train further external radio sirens and configure them accordingly.




IMPORTANT: To train a siren connected via the Wireless Accessory Module (WAM), read the section "Wireless Accessory Module". This section only describes training sirens that need no Wireless Accessory Module to control them.

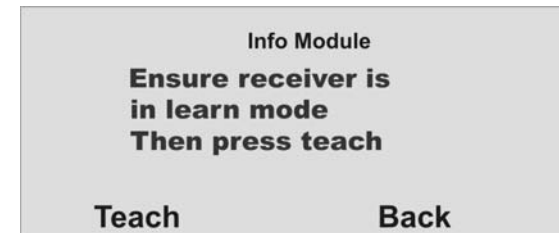
10.5.2 Info module



10.5.2.1 Teach Info module

If you confirm Info Module with Select, you see the following graphic display:

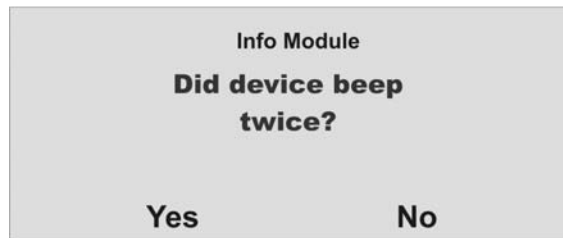




Use the control buttons  to select the option Teach Info Module. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back. If you confirm your selection, you see the following graphic display:



Switch the info module(s) to learn mode. See the product instructions for advice on this. After switching the info module(s) to learn mode, activate the sending of radio information by the panel by pressing the control button  under the word Teach. To cancel input, press the control button  under the word Back.

After activating send mode, you receive the following graphic display:



If the receiver beeped twice, the learn message was correctly received. End the teach process by pressing the control button  under the word **Yes**. To cancel input, press the control button  under the word **No**. The learn procedure now starts again. No further settings have to be made for the info module. Even in the case of a power loss, the info module keeps the radio information of the alarm station.

10.5.2.2. Updates

If you physically remove an Info Module from the system (for example, a user no longer requires one) then you may wish to stop the radio alarm panel trying to update the Info Module's display. This will free some of the radio alarm panel's processing power, and speed up its response to other peripherals. The Info Module menu provides the *Updates* option for this purpose.

1. Select *Other Devices – Info Module - Updates*.

The display shows the options Disabled and Enabled.

2. Select the option you require.

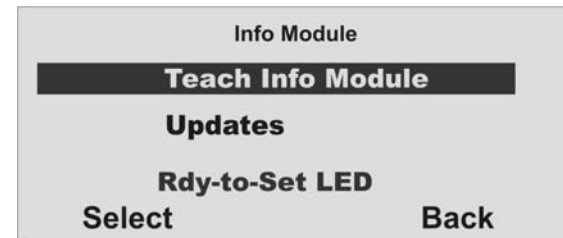
When you select Enabled, the radio alarm panel carries on transmitting to the Info Module.




When you select Disabled, the radio alarm panel stops transmitting data to all the Info Modules.

The default setting for this menu option is Disabled. The radio alarm panel changes the setting to Enabled when you teach an Info Module the radio alarm panel's identity.

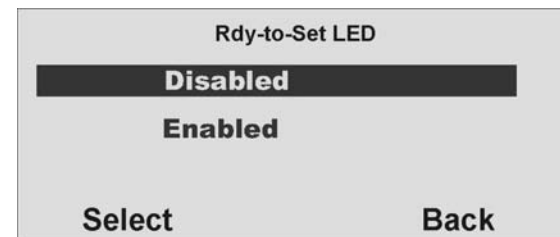
10.5.2.3. Ready to set LED







If you want the Info Module to display a Ready-to-Set information, which signals an open zone (also zones with the zone attribute force set omit), you have to activate this function in addition. Please proceed as follows:









Press the control button  to select Rdy-to-Set LED and confirm by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

You receive the following graphic display:



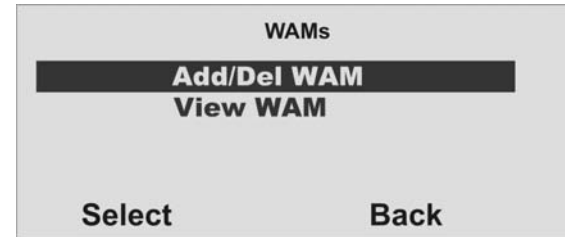
If you want to have the Ready to Set indication use the control buttons   to select the option Enable. Confirm your selection by pressing the control button   under the word Select. To cancel input, press the control button   under the word Back.







To deactivate the indication use the control buttons   to select the option Enable. Confirm your selection by pressing the control button   under the word Select. To cancel input, press the control button   under the word Back.

NOTE: The function of the Ready-to-Set LED can create a high radio duty, as each zone status change is transmitted to the info module. If this should create radio problems for the whole system, it is necessary to deactivate the Ready-to-Set LED function. As long as a zone is open (also a zone with the zone attribute force omit set) the info module LED for open zone is lid. This indicates that the panel cannot be set or only with zones omitted.

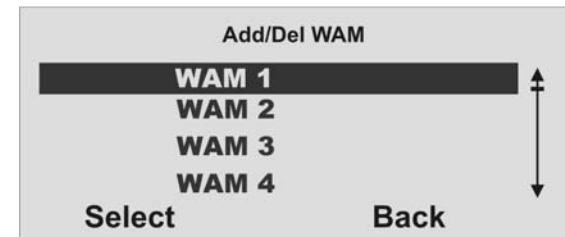
10.5.3 Wireless Accessory Module (WAM)




If you confirm WAM with Select, you see the following graphic display:



Press the control button   to select Add/Del WAM and confirm by pressing the control button   under the word Select. To cancel input, press the control button   under the word Back.

You see the following graphic display:



Select a Wireless Accessory Module (WAM) and confirm your selection by pressing the control button   under the word Select. Up to 8 WAMs can be trained. Even if the WAM is not used as a radio output module, the outputs are reserved for it. Now trigger the tamper contact of the WAM (see the WAM instructions). When the WAM has been trained, the radio alarm panel beeps twice to acknowledge. At the same time, the graphic display shows the  symbol next to the WAM number. Now select View WAM.

If you wish to remove a WAM from service in the system, then:

1. Select *Other Devices – WAM – Add/Del WAM*.

The display shows a list of the available WAMs.

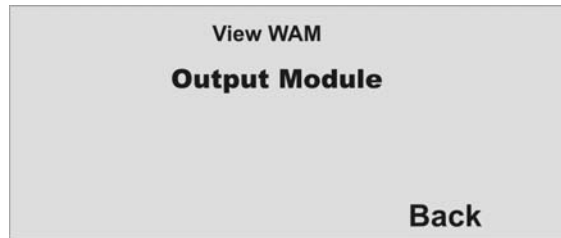
2. Select the WAM you wish to delete. (When a slot is occupied with a WAM the then line shows a  icon.)

The display asks you to confirm your choice.

3. Press SELECT.

The radio alarm panel deletes the WAM's identity from the selected memory slot.

If you confirm View WAM with Select, you see the following graphic display:



When you teach the WAM, it also transmits its programming so that you can see under View WAM the function in which the WAM has been trained.

Function	Meaning
Not used	The WAM has been trained but is not used.
Repeater Module	Radio signals received from trained radio detectors (trained in the WAM) are forwarded to the panel following reception.
Output Module	Up to four relays of the WAM can be activated from the radio alarm station, depending on programming.
T/R Module	Technology sender/receiver module for connecting wired detectors (water detectors) or a block lock / key switch.
Sounder Module	For connecting a wired external radio siren or compact alarm device.

IMPORTANT: See the WAM product instructions for operating and programming the WAM.

10.5.3.1 WAM as radio repeater

If the WAM is trained with radio repeater function, you also have to train the radio repeaters whose signals are to be transmitted via this module to work with the WAM. Read the operating instructions of the WAM.

10.5.3.2 WAM as output module

If the WAM is trained with output function, the panel automatically reserves the respective outputs for this module in the station.

Outputs 31–34 for WAM 1 Outputs 15–18 for WAM 5

Outputs 27–30 for WAM 2 Outputs 11–14 for WAM 6

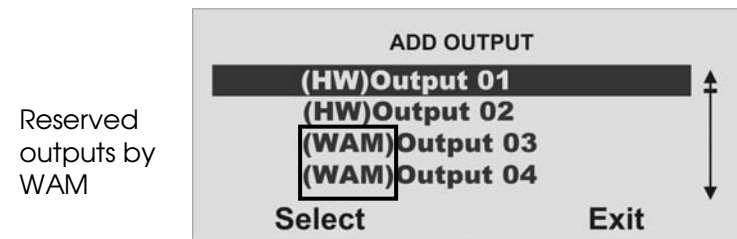
Outputs 23–26 for WAM 3 Outputs 07–10 for WAM 7

Outputs 19–22 for WAM 4 Outputs 03–06 for WAM 8

You do not have to add these outputs manually. Just make the settings

for the output functions as described in the section *Editing outputs*.

Outputs reserved by the WAM are described as shown in the following diagram. Although you have to configure these outputs, you do not have to add them.



10.5.3.3 WAM as transmitter/receiver technology module

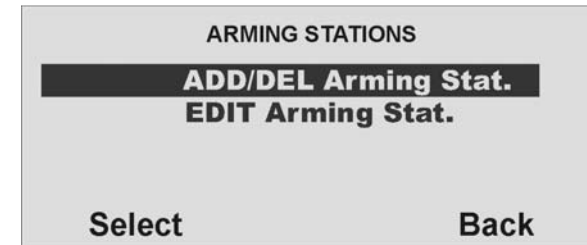
Analogue to the WAM as output module, the WAM as transmitter/receiver technology module configures the 4 outputs. In addition to the outputs, two radio inputs are reserved. These have to be configured according to the function as connected in the WAM. Read the operating instructions of the WAM. The selected radio zone is being displayed (UVM1 – radio zones 32, UVM2 – radio zone 31... UVM8 – radio zones 25).




10.5.3.4 WAM as siren module

After configuring the WAM as siren module, you see a display in which you have to define the partition for which the siren is to be activated. Make this setting as for the external siren. To connect the compact alarm device to the WAM, see the WAM operating instructions.

10.5.4 Arming station



If you confirm Arming station with Select, you see the following graphic display:



Press the control button  to select ADD/DEL Arming Stat. and confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

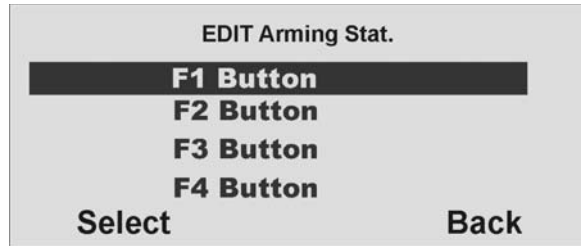
You see the following graphic display:






Select an arming station and confirm your selection by pressing the control button  under the word Select. Up to 4 arming stations can be programmed. Now trigger the tamper contact of the arming station (see the operating instructions of the arming station) When the arming station has been programmed, the radio alarm panel beeps twice to acknowledge. At the same time, the graphic display shows the  symbol next to the arming station's number. Now select EDIT arming station.

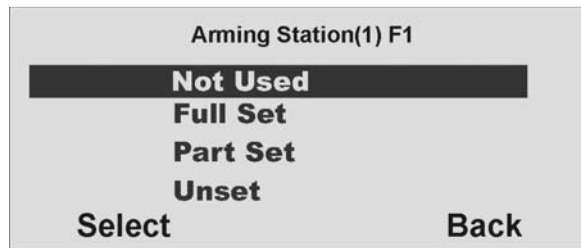
10.5.4.1 Editing arming station




If you confirm EDIT arming station with Select, you see the following graphic display:



Press the control button  to select the respective function and confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

You see the following graphic display:



Use the control buttons  to select the respective function from the table on the right and assign this function to the button of the arming station. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

Function	Meaning
Not used	This button has no function on the arming station
Full Set	After you enter the user code and press this button, the alarm panel is fully activated.
Part Set	After you enter the user code and press this button, a partition of the alarm panel is armed.
Unset	After you enter the user code and press this button, the alarm panel is fully deactivated.
Output Channel	After you enter the user code and press this button, a selected output is fully activated/deactivated (On, Off, Toggle, Pulsed)

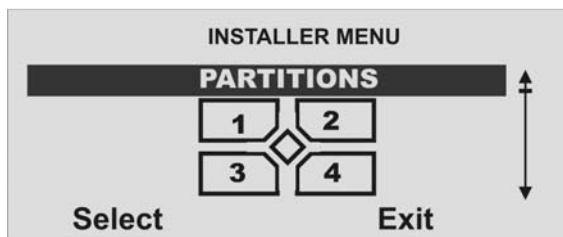
After assigning a function to the button, program all other buttons of the arming station in the same way. For the operation and installation of the arming station see the product instructions.


NOTE: The entered user code decides which partition is being set or unset. If your user code is able to set partition 1 and 3, these partitions will be automatically set when entering the user code and pressing the FULL SET button of the arming station. The same works for the unset.

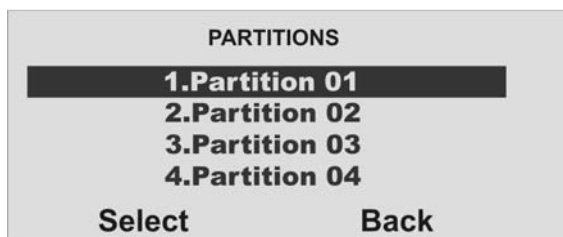
10.6 Configuring partitions

In the installer menu, use the control buttons to select the third menu item.

You see the following graphic display:



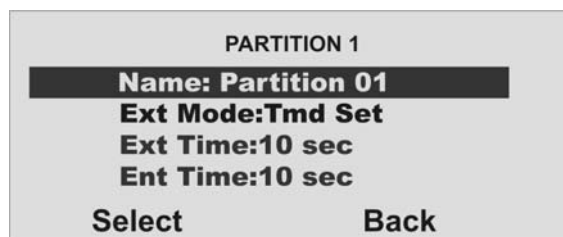
Select this menu item by pressing the control button  under the word **Select**. You see the following graphic display:






Select the first partition (Partition 01) and confirm your selection by

pressing the control button  under the word **Select**. To cancel




input, press the control button  under the word **Back**. You see the following graphic display:



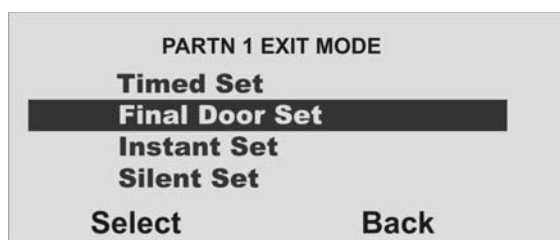
Use the control buttons  to select a function. For a list of functions and their attributes, see the table below. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.




Function	Meaning
Name	Select to rename a partition. Enter the name in the same way as you enter a zone or output name.
Ext Mode	Select to define the exit mode of the partition. For exit mode attributes, see Table 9.
Ext Time	Exit delay time for this partition.
Ent Time	Entry delay time for this partition.
Alarm Rsp	Response to alarm in this partition
P.Set Ext	Behaviour of this partition at internal activation (exit delay)
P.Set FE	Behaviour of final exit zone at internal activation The choices are: FE as FE – The entry/exit zone retains the entry/exit attribute even for internal activation. FE as NO – The entry/exit zone changes its attribute at internal activation to "immediate".
P.Set ER	Behaviour of Entry route zone at internal activation (ER remains ER or ER becomes FE)
Strobe on Set	Behaviour of activation acknowledgement The choices are: OFF – Following successful activation (not internal) of the alarm station, there is no visual acknowledgement at the external siren. ON - Following successful activation (not internal) of the alarm station, there is no visual acknowledgement at the external siren.
Strobe on Unset	Behaviour of deactivation acknowledgement Program as for activation acknowledgement.

10.6.1 Configuring exit mode of partition

After entering the partition name, use the control buttons  to select **Type**. Confirm by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Type** with the **Select** button, you see the following graphic display:



Use the control buttons  to select the respective exit mode. For a list of exit modes and their attributes, see the table below. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

Function	Meaning
Timed set	The partition is activated following expiry of the defined exit time.
Final Door Set	The partition is activated when you close a zone with the final door property.
Instant Set	The partition is activated immediately. This exit mode is recommended for activation via remote control or radio cylinder.
Silent Set	As for the Timed Set exit mode, except that no exit signal can be heard during the delay time.
As Partition 1	This option is available for partitions 2, 3 and 4. When you select this option the system uses the same setting mode as partition 1.




Note: Do not try to make a PIR zone act as a Final Exit for a partition. Radio PIR detectors have a "lock out" period after each activation in order to conserve battery power. When you set (or part set) a partition a PIR may still be in lockout, during which it cannot send a signal to complete the setting process.

10.6.2 Configuring exit delay of partition

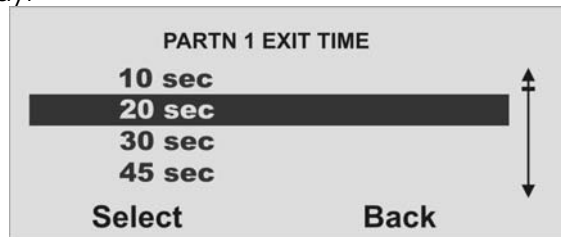
After entering the exit mode for the partition, you have to enter the delay time for the following cases:




Exit mode = Timed Set or

Exit mode = Silent Set

Press the control button  to select Exit Time. Confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Exit Time with the Select button, you see the following graphic display:






Use the control buttons  to select the respective exit time. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

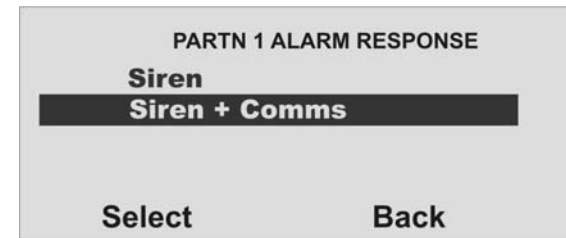
10.6.3. Configuring entry delay of partition


Define the entry delay in the same way as the exit delay. Configure the entry delay for each exit mode.

10.6.4 Activating alarm response of partition



After entering the delay times, use the control buttons  to select Response. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Response with the Select button, you see the following graphic display:



Use the control buttons  to select an alarm response of the partition when the panel/partition is set.

Function	Meaning
Siren	On alarm, the internal siren and the (optionally connected) external siren are activated.
Siren + Comms	In addition to the activation of the local siren, the alarm is transmitted by telephone.

Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.



10.6.5. Configuring exit mode on internal activation of partition

Each partition can also be individually internally activated. This means that you can remain in the building without losing all-round protection. With internal activation, some detectors are not monitored – e.g., motion sensors.

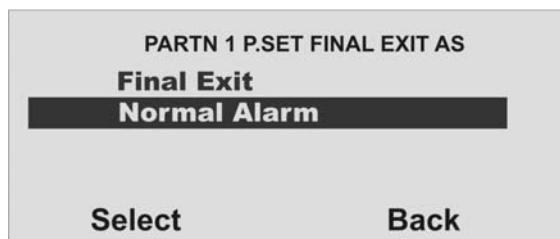
You program exit mode for internal activation in the same way as exit mode for normal activation of the partition.


10.6.6. Configuring behaviour of zones at internal activation

It is sometimes important that zones with the entry/exit attribute for normal activation lose or change this attribute for internal surveillance – for example, a magnetic contact on the house entrance door. The magnetic contact is usually programmed as an entry/exit zone so that it starts the delay time when the premises are entered. However, if the premises are activated internally (e.g., at night), it is assumed that nobody will enter via this zone. In this case, change the zone attribute to Normal Alarm so that an intruder who enters the house via the entrance door triggers an instant alarm.

Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.



If you confirm FE as FE with the Select button, you see the following graphic display:



Use the control buttons  to select an alarm response of the partition. You can select options as shown in Table 11.

Function	Meaning
Final Exit	The zone retains its attribute also for internally activated partition.
Normal Alarm	The zone changes its attribute for internally activated partition to Normal Alarm

Table 11: Selection menu for zone behaviour for internally activated partition

Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

You configure the behaviour of zones with the attribute **ENTRY ROUTE** for an internally activated partition in the same way.

10.6.7. Strobe On Set

See chapter 10.6.

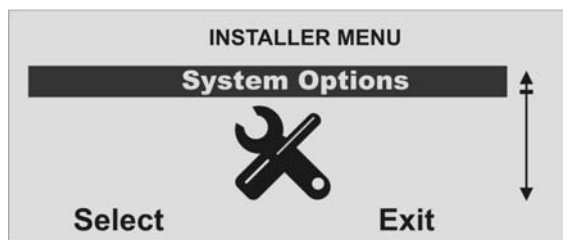
10.6.8. Strobe On Unset


See chapter 10.6

10.7. Configuring system options

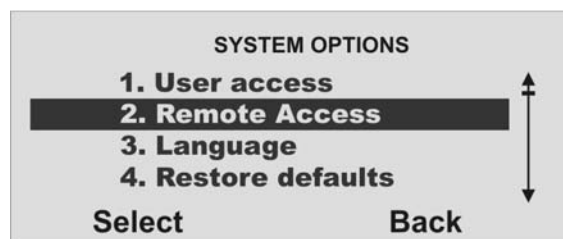
In the installer menu, use the control buttons to select the fourth menu item.


You see the following graphic display:



Select this menu item by pressing the control button  under the word **Select**.

You see the following graphic display:



Use the control buttons  to select a function. For a list of functions and their attributes, see Table 12 on the next page. Confirm your




selection by pressing the control button  under the word **Select**.

Zum Abbrechen der Eingabe drücken Sie die Kontrolltaste  unterhalb der Anzeige Zurück.

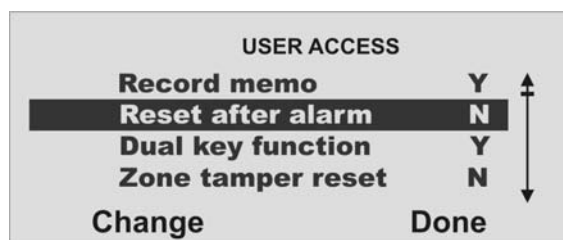
Function	Meaning
User access	Here you define the options available to the user in the user menu.
Remote access	This menu controls access to the remote control feature.
Language	Select the language for text output and the graphic displays. You can choose between two languages.
Restore defaults	For restoring the factory settings and setting the country parameters (important for telephone communication)
Installer code	For entering a new user code
Entry timer unset	To unset the panel/partition with a wireless remote control during the entry delay. If this function is activated you can only unset the panel with the wireless remote control when the entry delay is running. If this function is not activated the panel can be unset with the wireless remote control at any time.
PA Response	For setting response to panic alarm
System Auto Rearm	Setting of panel for response following an alarm
Siren Delay	For setting the length of the siren delay
Siren Time	For setting the siren duration
Entry Timer on Unset	For setting the delay time for entry alarm
Supervision Response	Fail For setting the response of the panel in the case of a monitoring failure
Jamming Detection	For setting the response of the panel in the case of radio jamming
Batt Load Test	To activate the battery test function
Siren in PSet	To control the sounder functions during part set of a partition / panel
Force Set	To activate the function Force Set.
RF Siren Options	This menu allows you to select how the radio siren responds during Fire, Burglar or PA alarms.




Table 12: System settings

10.7.1. Configuring user options

Press the control button  to select User Options and confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

After selecting User Options with Select, you see the following graphic display:



With the control buttons  select user options according to the table below. To release a function for the user, press the control button  under the word Change. The option must be set to Y to be used by the user. To end input, press the control button  under the word Done.

Function	Meaning
Record memo	Enables the user to record a voice message.
Reset after alarm	Enables the user to reset the radio alarm panel following an alarm. If you wish to allow users to reset the system after an alarm then select "Y". If you wish to make sure that only the Installer can reset the system after an alarm then select "N".
Dual key function	Activates the alarm buttons on the keypad.
Zone tamper reset	Enables the user to reset the radio alarm panel with the user code following a tamper alarm. If you wish to allow users to reset the system after an alarm then select "Y". If you wish to make sure that only the Installer can reset the system after an alarm then select "N".
All omit	Enables the user to lock all open zones with a single button.
Social care button	Activates the Social Care button on the keypad.
Quick set	Enables the activation of the panel without a user code.

10.7.2. Remote Access

This menu controls access to the remote control feature. This feature allows a remote operator to issue commands to the radio alarm panel by pressing the buttons on a telephone keypad. The commands available are:

To:	Key-in
Unset the system	#0*0
Set the system	#0*1
Part set the system	#0*2
Silence the Sounders	#1*0
Reset the system	#1*1
Interrogate the system	#3*
Switch output nn ON	#9*nn*1
Switch output nn OFF	#9*nn*0
Toggle output nn	#9*nn*

See "Operating Instructions" for more details.

There are two options:

Call-out control




If you set this option to Y then the remote operator can control the system when they answer a call from the radio alarm panel. If you set this option to N then the remote operator can still use the speech dialler commands, but cannot use the remote control commands.

Call-in control

If you set this option to Y then the remote operator can call the radio alarm panel. After sending an access code to radio alarm panel to identify themselves, the remote operator can issue commands from their telephone keypad.




Note: If you set "Call-in control" to Y then the radio alarm panel will not answer incoming calls from Downloader.

10.7.3. Selecting a language




Use the control buttons  to select Language. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Language with the Select button, you see the following graphic display:






Use the control buttons  to select a language. To select a language, press the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.7.4. Factory settings

Use the control buttons  to select **Restore defaults**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.




If you confirm **Restore defaults** with the **Select** button, you see the following graphic display:



Use the control buttons  to select a function (see Table 15). To select a function, press the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

Function	Meaning
Country defaults	If you select Country defaults , a list of different countries is displayed. The country settings refer to the factory settings and settings for the telephone. Select the country where the panel is situated. (For Austria or Switzerland, select D). The setting relates to the language selected.
Factory defaults	Confirm this function to reset all settings to the factory defaults for the selected country. However, select Factory Defaults does not erase the log or stored voice memos.

10.7.5. Installer code

Use the control buttons  to select **Installer code**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.




If you confirm **Installer code** with the **Select** button, you see the following graphic display:



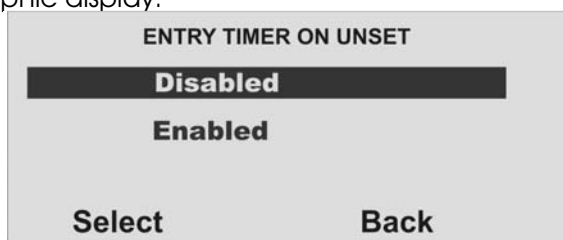
Enter the new four-digit installer code. You are prompted to repeat the new installer code. If your two inputs are identical, the new code is stored and is active.




The default Installer access code is 7890. Security Center recommend that you change this code to some other number. The Installer code allows you to enter the Installer Menu, and carry out an Installer reset. However, the Installer code does not allow you to set or unset the system.

10.7.6. Entry Timer On Unset




Use the control buttons  to select Entry Timer On Unset. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Entry Timer On Unset with the Select button, you see the following graphic display:

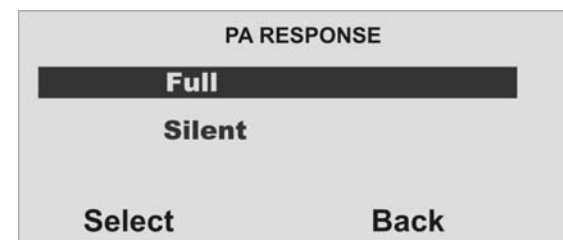





Using the control buttons  select whether you can unset your system only when the entry timer is running. If you select the function Disabled, you can also unset the system when the entry timer is not running. To select a function, press the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.7.7. PA Response




Use the control buttons  to select PA Response. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm PA Response with the Select button, you see the following graphic display:

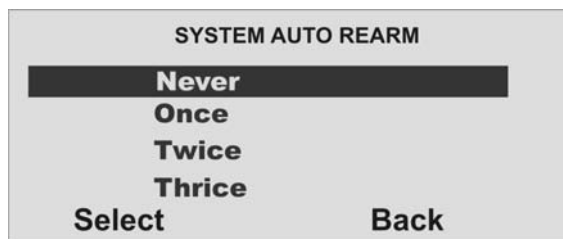




Use the control buttons  to select whether an external alarm is to be made in the case of a panic alarm (Full), or whether only a telephone message is to be sent (Silent). To select a function, press the control button  under the word Select. To cancel input, press the control button  under the word Back.


10.7.8. System Auto Rearm

Use the control buttons  to select System Auto Rearm. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.




If you confirm System Auto Rearm with the Select button, you see the following graphic display:



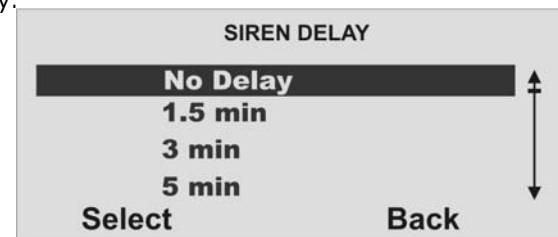
Use the control buttons  to select how often the system is to reactivate itself following expiry of the alarm time (siren duration). To select a function, press the control button  under the word Select.




To cancel input, press the control button  under the word Back. The system re-arms all closed zones, but not detectors that are still sending alarm signals. If the system has rearmed, then when a user enters the system through the entry route the radio alarm panel will give an audible internal alarm in place of the normal entry tone.

10.7.9. Siren Delay




Use the control buttons  to select Siren Delay. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Siren Delay with the Select button, you see the following graphic display:






Use the control buttons  to select whether the siren is to start immediately or after the selected delay time following the triggering of a local or external alarm. To select a delay time, press the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.7.10. Siren Time




Use the control buttons  to select Siren Time. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Siren Time with the Select button, you see the following graphic display:

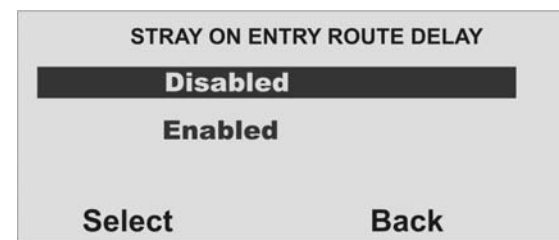





Use the control buttons  to select how long the siren is to sound if a local or external alarm is triggered. To select a siren time, press the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.7.11. Stray on Entry Route Delay




Press the control button  to select Stray on Entry Route Delay and confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Stray on Entry Route Delay with the Select button, you see the following graphic display:






Use the control buttons  to select whether to allow the user an extra 30 seconds after exceeding the entry delay time or strays from an entry route zone before an external alarm is sounded. If you enable this function, only an internal alarm is triggered after expiry of the entry delay time. If you disable this function, an external alarm is triggered immediately after expiry of the entry delay time. To select a function, press the control button  under the word Select. To cancel input, press the control button  under the word Back. (This option is available to provide compliance with EN 50131-1.)

10.7.12. Supervision Fail Response

Use the control buttons  to select Supervision. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Supervision with the Select button, you see the following graphic display:



Use the control buttons  to select a function as described in the table below. To select a function, press the control button  under the word Select. To cancel input, press the control button  under the word Back.



If there is no status message from a detector for more than two hours the radio alarm panel raises an alarm.:

Function	Meaning for activated system	Meaning for deactivated system
Disabled	No response	No response
Fault	Fault is reported by telephone.	Fault is reported on display and by signal tone.
Tamper	External alarm Transmission of supervision failure and tamper	Fault is reported on display and by signal tone. External alarm Transmission of supervision failure and tamper
Alarm	External alarm Transmission of supervision failure and alarm	Alarm message on display and signal tone

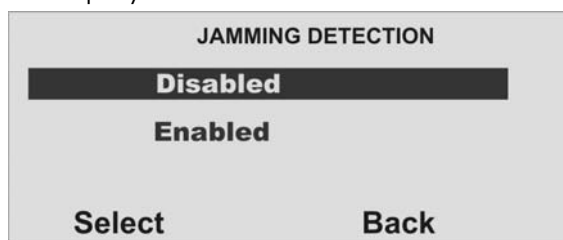
If the alarm system must meet EN50131-3 radio supervision requirements then enable Supervision. Once enabled, the radio alarm panel will prevent the user from setting the system if a detector has lost contact with the radio alarm panel for more than 15 minutes.




10.7.13. Jamming Detection

Use the control buttons  to select Jamming Detection.




Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Jamming Detection** with the **Select** button, you see the following graphic display:

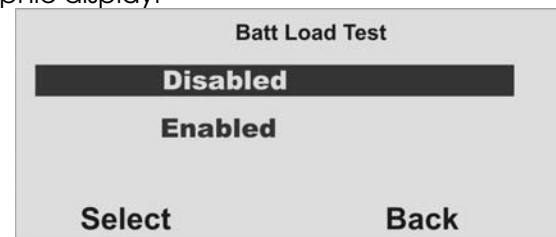





Use the control buttons  to select whether the alarm system is to display a warning in the case of jamming detection. If this function is enabled, a warning is issued on the display if jamming is detected. To select a function, press the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.



10.7.14. Batt Load Test

Use the control buttons  to select **Batt Load Test**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Batt Load Test** with the **Select** button, you see the following graphic display:






Use the control buttons  to select whether the alarm system is to test the battery capacity at every disarming or every 23 hours. If the function is disabled, the system tests other less important functions every hour. To select a function, press the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

To select a function, press the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

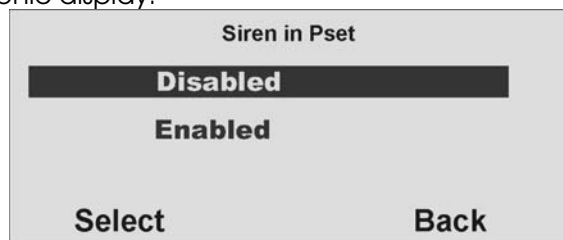
(If the radio alarm panel is communicating or playing/recording speech then the radio alarm panel will delay the test until those activities are finished.)




If mains power is absent then the radio alarm panel carries out the test as soon as mains power is restored.

10.7.15. Siren in Part Set




Use the control buttons  to select Siren in PSet. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Siren in Part Set with the Select button, you see the following graphic display:

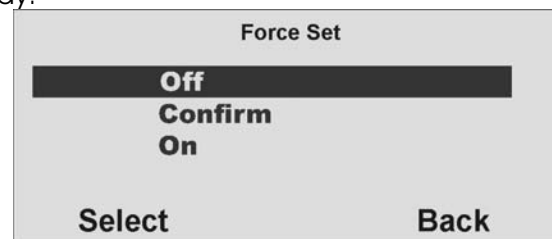



Use the control buttons  to select Enabled and the alarm system will also create a local alarm when the system is part set. If this function is deactivated the panel will only start the internal sounder. The transmission via dialler to a monitoring station (optional) will be executed in any case. To select a function, press the control button  under the word Select. To cancel input, press the control button  under the word Back.


10.7.16. Force Set


Use the control buttons  to select Force Set. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.



If you confirm Force Set with the Select button, you see the following graphic display:



Use the control buttons  to select the option On. All zones with the zone attributes "F" will be automatically omitted when the zones are open and the panel or a partition is set.

Use the control buttons  to select the option Confirm. All zones with the zone attributes "F" will be automatically omitted when the zones are open and the panel or a partition is set. To set the system or a partition you have to confirm the setting. This is done by pressing the set button on the remote control twice. Don't use this force setting option if you use the wireless cylinder.

Use the control buttons  to select the option Off. Now it is no more possible to set the system or a partition if at least one zone is open, even though the zone has been programmed with the attribute "F".

To select a function, press the control button  under the word Select. To cancel input, press the control button  under the word Back.

Note: If you enable "Force Set" then the system does not comply with EN50131.

10.7.17. RF Siren Options

This menu allows you to select how the radio siren responds during Fire, Burglar or PA alarms. There are two options:

Siren + Strobe

The radio siren operates both siren and strobe in an alarm.

Strobe

The radio siren operates the strobe only in an alarm.

10.8. IP Network

If you have fitted an Ethernet module then this menu allows you to give the radio alarm panel its own IP (Internet Protocol) address, ready for use with IP Alarm Reporting or IP Downloading.

Note: Before programming the radio alarm panel to use the IP Network please make sure that:

1. You understand basic IP terminology.
2. You have obtained the necessary information from your Internet Service Provider.

The menu contains the following options:

IP Address

Key in the radio alarm panel's own IP address. The IP address comprises four groups of digits. Each group is three digits long, and is separated from the next group by a "dot", for example "192.168.000.001".

Press "*" to key in the dot.

Note: If you leave this field blank then the radio alarm panel will use DHCP (Dynamic Host Control Protocol) to obtain an IP Address from a DHCP server.

IP Sub-Net Mask

If necessary, key in the sub-net mask, for example "255.255.255.000". This number has the same format as the IP address.

Gateway IP Address

If necessary, key in the gateway IP address. This number has the same format as the IP address.

IP Port Number

Key in the port number. This is the port that the radio alarm panel "listens" on to hear the Downloader attempting to connect over the Internet. The format is a group of digits up to five digits long. The default port is 55132.

Note: Once you have entered the details described above, you can see what IP address you have given the radio alarm panel by selecting the System Config - About Comms - IP Address option from the Operating menu.

If you have fitted an GPRS module then this menu allows you to give the radio alarm panel its own IP (Internet Protocol) address, ready for use with IP Alarm Reporting or IP Downloading.

Before programming radio alarm panel please make sure that you have obtained the necessary information from your GPRS Service Provider and ARC .

The menu contains the following options:

IP Address
Leave blank.

IP Port Number
Leave blank.

Note: When delivered from the factory, the radio alarm panel contains no IP address; it can, however, obtain its own IP address from the service provider. Once you have completed the first connection via GPRS, you can see what IP address the radio alarm panel has by selecting the System Config - About Comms - IP Address option from the Operating menu.

GPRS APN (Access Point Name)
Key in the text of the access point name.

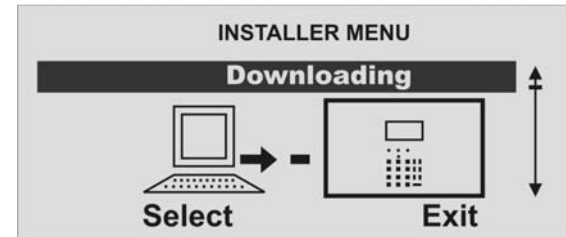
GPRS Username
Key in your GPRS user name.


GPRS Password
Key in your GPRS password.

10.9. Configure download settings

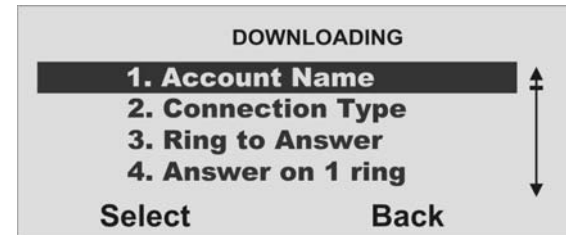
In the installer menu, use the control buttons to select the fifth menu item.




You see the following graphic display:



Select this menu item by pressing the control button  under the word Select.




You see the following graphic display:



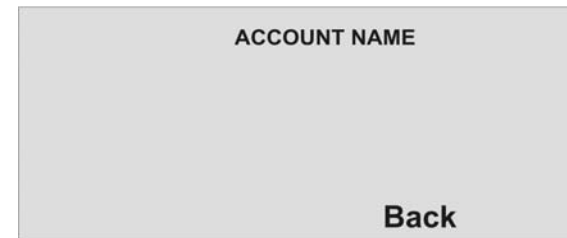
Use the control buttons  to select a function. For a list of functions and their attributes, see Table 16 on the right. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

Function	Meaning
Account Name	The account name is defined by the download software to guarantee a secure connection. The account name is displayed when it is entered.
Connection Type	Defines whether the connection is direct via USB cable or telephone.
Ring to Answer	If the analogue line is not used exclusively for remote maintenance, the setting defines when the radio alarm panel accepts the call.
Answer on 1 ring	If this function is enabled, the call to remote maintenance is in two steps. The software calls the radio alarm panel and waits for two rings. The panel now waits for a second call and accepts this call immediately.
Access mode	Defines what type of connection setup is to be made by telephone.
Phone Book	Enter two numbers here. One is used for secure callback.
IP Network	If you have fitted an Ethernet/GPRS module to the radio alarm panel, then it is possible for Downloader to communicate with the radio alarm panel using the Internet Protocol.
Secure Callback	Enable this function to start connection setup by the radio alarm station.
Modem Baud Rate	Sets the baud rate of the modem on the PC that performs remote maintenance.

10.9.1. Account Name




Use the control buttons  to select **Account Name**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Account Name** with the **Select** button, you see the following graphic display:

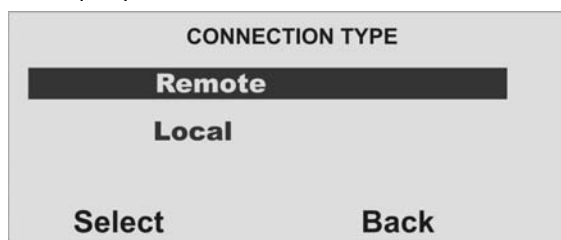



If no account name is entered here by the software, nothing is displayed here.



10.9.2. Connection Type

Use the control buttons  to select **Connection Type**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Connection Type** with the **Select** button, you see the following graphic display:



Use the control buttons  to select whether the connection between the PC and the panel is to be made via telephone line (remote) or direct between the PC and the panel via USB cable (local).

To select a function, press the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.




You will also need to program "Rings to Answer" and/or "Answer on One Ring", see below. (Note that Secure Callback does not work with this option.)

Note: This option will not work if System Options – Remote Access - Call-in Control is set to "Y".

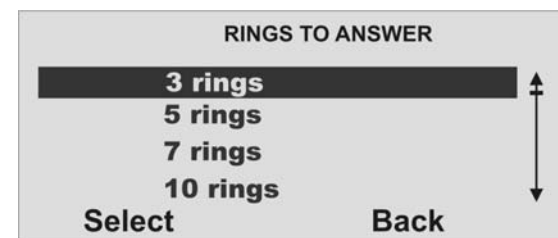
Note: The radio alarm panel will leave the Connection Type menu if Downloader does not make a call within 30 minutes.




See "Access Mode" if you want the radio alarm panel to answer incoming calls from Downloader without an Installer being present.

10.9.3. Ring to Answer




Use the control buttons  to select **Ring to Answer**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Ring to Answer** with the **Select** button, you see the following graphic display:






Use the control buttons  to select when the panel accepts the call. To select a number of rings, press the control button  under the word **Select**. If you set the value at 255, the panel does not answer the call. To cancel input, press the control button  under the word **Back**.

10.9.4. Answer on 1 ring

Use the control buttons  to select **Answer on 1 ring**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Answer on 1 ring** with the **Select** button, you see the following graphic display:






Use the control buttons  to select when the panel accepts the call. To select **Answer on 1 ring**, press the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

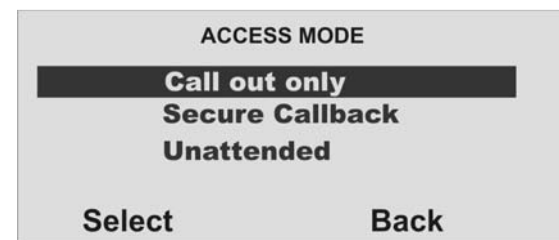
If this function is enabled, the call to remote maintenance is in steps. The software calls the station, waits for two rings and then hangs up. This activates the panel to accept the call. If the next call arrives within 10 to 90 seconds, the panel accepts the call immediately. This skips the **Rings to Answer** function.




Note: When using "Answer on One Ring" set the number of rings in "Rings to Answer" to a higher number than that used by the equipment sharing the telephone line with the radio alarm panel. If you do not, then the radio alarm panel will answer before the other equipment.

10.9.5. Access mode

Use the control buttons  to select **Access Mode**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Access Mode** with the **Select** button, you see the following graphic display:






Use the control buttons  to select an access mode function (see Table 17) for remote maintenance by remote communication. To select a number of rings, press the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

Function	Meaning
Call out only	The panel cannot be call from outside for remote maintenance. A call to the PC of remote maintenance must be made manually via the user menu.
Secure Callback	The remote maintenance call is started from the panel by the PC of remote maintenance. The panel telephone number is called by the remote maintenance PC. A call is connected in which the panel checks the remote maintenance authorisation. If the parameters are in order, the panel hangs up and calls the phone number on the phone book. Remote maintenance can now be carried out.
Answer on 1 ring	The panel accepts the call after the defined number of rings.

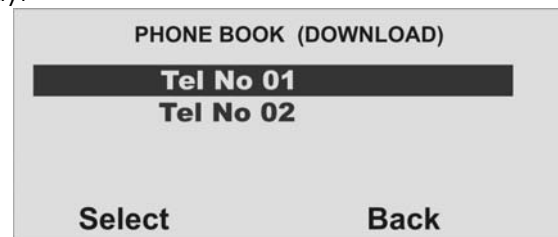
Note: Secure Call Back must be Disabled (Default) until the first "attended" upload has been performed. This first upload can be carried out either from User Menu, or from Installer Menu.




Note: The Downloader operator can choose to use Secure Callback, even though the alarm system is programmed for Unattended Mode.

10.9.6. Phone Book

Use the control buttons  to select **Phone Book**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Phone Book** with the **Select** button, you see the following graphic display:



Use the control buttons  to select the phone number you want to change. To select a phone number, press the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

Enter the callback number of the installer. These phone numbers can be dialled by the user to start a remote maintenance call manually.

10.9.7. IP Network

If you have fitted an Ethernet module to the radio alarm panel, then it is possible for Downloader to communicate with the radio alarm panel using the Internet Protocol. This menu allows you to store two IP addresses that the radio alarm panel can "call" in order to start a Downloading session. The user starts the call by selecting one of the IP address.

The options available are:

IP Address 1

Key in the IP Address used by Downloader. The IP address comprises four groups of digits. Each group is three digits long, and is separated from the next group by a "dot", for example "192.168.000.001". Press "*" to key in the dot.

IP Port 1

Key in the port number that Downloader "listens" to on the remote PC at IP address 1.




IP Address 2

Key in an alternate IP Address used by Downloader.

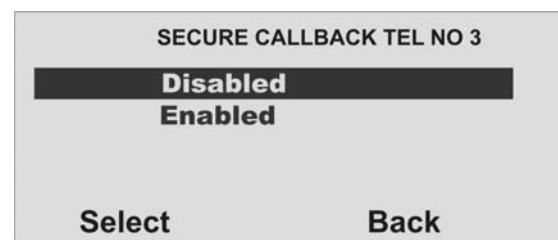
IP Port 2




Key in the port number used by the alternate IP address.

10.9.8. Secure Callback

Use the control buttons  to select **Secure Callback**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.







If you confirm **Secure Callback** with the **Select** button, you see the following graphic display:



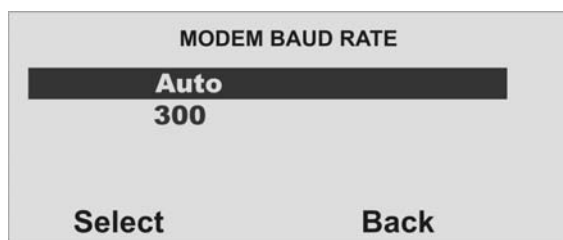
Use the control buttons  to select whether the panel is to be notified of the third callback number (independent of the telephone numbers in the Downloading, Phone Book option) of the remote maintenance PC. In this case, the user cannot see the callback number. The callback number can be changed at any time by the remote maintenance PC. To select **Secure Callback**, press the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.







Before making a Downloader connection, the remote PC operator keys in the third callback number. Once connected Downloader transmits the number to the radio alarm panel. The radio alarm panel then uses that number to call back to the remote PC.

10.9.9. Modem Baud Rate

Press the control button   to select **Modem Baud Rate** and confirm by pressing the control button   under the word **Select**. To cancel input, press the control button   under the word **Back**.

If you confirm **Modem Baud Rate** with the **Select** button, you see the following graphic display:





Use the control buttons   to select the baud rate (bps) for communications. If you do not know the baud rate of your modem, select **Auto**. The panel sets the baud rate automatically. If the connection is bad, you should set a lower baud rate. Set the value to 300. To confirm this setting, press the control button   under the word **Select**. To cancel input, press the control button   under the word **Back**.

10.10. Configuring communication settings

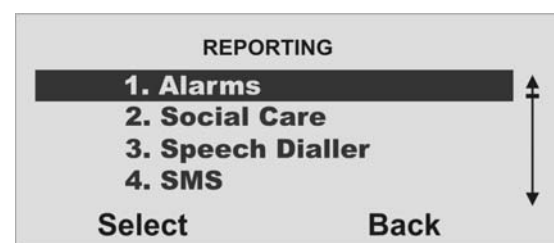
In the installer menu, use the control buttons to select the sixth menu item.







You see the following graphic display:



Select this menu item by pressing the control button   under the word **Select**.

You see the following graphic display:






Use the control buttons   to select a function. For a list of functions and their attributes, see Table 18 on the right. Confirm your selection by pressing the control button   under the word **Select**. To cancel input, press the control button   under the word **Back**.

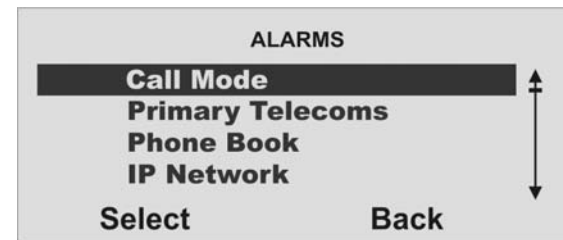
Function	Meaning
Alarms	Settings for alarm reporting (AWUG)???
Social Care	Settings for reporting a social care emergency call
Speech Dialler	Settings for reporting voice messages (Speech Dialler)
SMS	Settings for reporting transmitting text messages (SMS)
Line Fail Reporting	Settings for reporting telephone faults




Table 18: Functions in the Reporting menu

10.10.1. Configuring alarms

Use the control buttons  to select Alarms. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Alarms with the Select button, you see the following graphic display:






Use the control buttons  to select a function. For a list of functions and their attributes, see Table 19 on the right. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

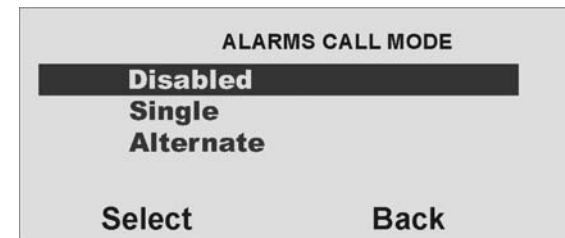
Function	Meaning
Call Mode	Setting for reporting alarm messages
Primary Telecoms	You must use this option to select which route the radio alarm panel will pick first for sending reports.
Phone Book	Select a phone number for transmitting alarm messages.
IP Network	
Account Numbers	For entering the account numbers by the command centre
Report Type	For entering the digital command centre report for alarm transmission to the command centre
Fast Format	Settings within the Fast Format report
Fast Format Reset	Settings within the Fast Format report for resetting
SIA Report	Settings within the SIA report
SIA Report Reset	Settings within the SIA report for resetting
Contact ID	Settings within the Contact ID report
Force Test Call Now	Use this option to make the radio alarm panel start a test call immediately.
Dyn. Test call	Settings for dynamic test call
Static Test Call	Settings for static test call
Burg Comms Rearm	Settings for automatically restoring activation of transfer in Fast Format report.
Send Tamper as Burg	Settings for transmitting a tamper alarm as intrusion alarm




Table 19: Menu items in the ALARMS menu

10.10.1.1. Call Mode

Use the control buttons  to select **Call Mode**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.




If you confirm **Call Mode** with the **Select** button, you see the following graphic display:



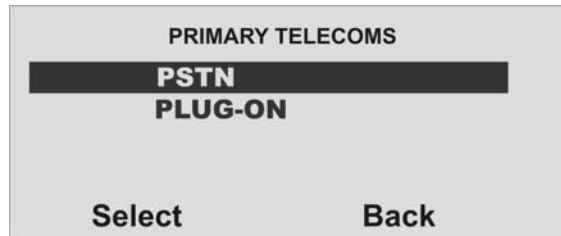
Use the control buttons  to select a function. For a list of functions and their attributes, see the table below. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.




Function	Meaning
Disabled	No alarm messages are transmitted to the command centre.
Single	The alarm panel transmits alarm messages to the first phone number in the phone book together with the first account number for identification. If transmission is not confirmed, the panel repeats the call up to 15 times.
Alternate	The panel first transmits alarm messages to the first phone number in the phone book. If the line is busy, the alarm is transmitted to the second number in the phone book. This continues up to 15 times until confirmed, always alternating between the two phone numbers.

10.10.1.2. Primary Telecoms




Press the control button  to select PRIMARY TELECOMS and confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

After selecting PRIMARY TELECOMS with Select, you see the following graphic display:

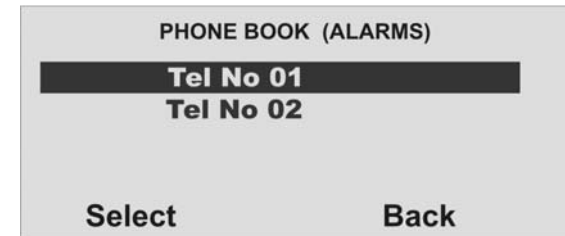





Use the control buttons  to select the primary transmission method. This transmission method is used as long as transmission is possible with it. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.10.1.3. Phone Book (Alarms)

Use the control buttons  to select Phone Book. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Phone Book with the Select button, you see the following graphic display:



Use the control buttons  to select the phone number you want to change. To select a phone number, press the control button  under the word Select. To cancel input, press the control button  under the word Back. Enter the callback number of the panel that you have received for transmitting the respective report. To enter a dial break press the "*" -button. Each break holds back the dialing process for three seconds.

10.10.1.4. IP Network

If you have fitted an Ethernet/GPRS module then the radio alarm panel can report alarm events over the Internet to a suitable receiver.

There are two types of receiver: an IRIS polling engine, or a specialised application running on an ARC's PCs. You must store separate IP addresses for each type of receiver.

When communicating with a receiver at the ARC you can specify two IP addresses. The radio alarm panel sends data to the second ARC IP address if a call to the first ARC IP address fails, and you have selected Alternate in Reporting, Alarms, Call Mode.

In addition, this menu provides a place to store a string of characters that the receivers use to identify every individual radio alarm panel. This identifier is independent of the ARC account numbers.

The options available are:

Unit name

Key in a string of up to 32 characters. This string must be unique for each radio alarm panel communicating to a receiver.

Polling Eng IP Address

Key in the IP address of the IRIS polling engine. The IP address comprises four groups of digits. Each group is three digits long. Use leading zeros in each group as necessary.




ARC IP Address 1

Key in the ARC's main IP address.

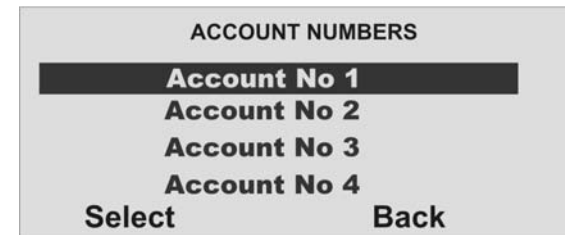
ARC IP Address 2




Key in the ARC's alternate IP address.

10.10.1.5. Account Numbers

Use the control buttons  to select **Account Numbers**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.




If you confirm **Account Numbers** with the **Select** button, you see the following graphic display:



Use the control buttons  to select the account number you want to change. To select an account number, press the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.




Enter the account number that you have received for transmitting from the station.

10.10.1.6 Report Type

Use the control buttons  to select Report Type. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Report Type with the Select button, you see the following graphic display:






Use the control buttons  to select the report type you want to use for digital alarm transmission to the station. The panel usually tells you what type of report to select. To select a report type, press the control button  under the word Select. To cancel input, press the control button  under the word Back.

The report types available are: Fast Format, Contact ID, SIA Level I, SIA Level II, SIA Level III and Extended SIA Level III, and CID in SMS.




Note: If you select "CID in SMS" then you must store the phone number of the ARC in Reporting, Alarms, Phone Book.

10.10.1.7. Fast Format

Use the control buttons  to select Fast Format. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Fast Format with the Select button, you see the following graphic display:



Use the control buttons  to select an item and assign an alarm to the channels of the Fast Format report. Press the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you selected Fast Format in Report Type then you can select to allocate one of the following events to each of the 8 channels (defaults in brackets):

- Not used
- Fire (default Channel 1)
- PA (defaulted Channel 2)
- Burglar (defaulted Channel 3)
- Open/Close (default Channel 4)
- Technical Alarm (default Channel 8)
- RF Low Battery
- Supervision Loss
- RF Jamming
- AC Fail
- Tamper Alarm

Medical

Open (see note 1)

Close (see note 1)

Zone Omitted (Channel 5. see note 2)

Burg Partition 1

Burg Partition 2

Burg Partition 3

Burg Partition 4

Alarm Confirmation (required for DD243)

Alarm Abort

Notes: 1. Open and Close provide the same functions as Open/Close, but on two separate channels.




2. Zone Omitted - the radio alarm panel sends this signal when a user omits a zone. (Required for DD243.)

3. The radio alarm panel delays reporting/logging either mains loss, or exiting Installer Menu with mains loss, by 15-18 min (chosen randomly). For Scandinavia the radio alarm panel waits at least 60 minutes before reporting.

Specify the alarm to be transmitted on this channel. The channels are preset as follows:




Channel	Setting
1	Fire
2	Panic
3	Intrusion
4	Enabled/disabled
5	Not used
6	Not used
7	Not used
8	Technical alarm

10.10.1.8. Fast Format Restore




Use the control buttons  to select Fast Format Restore. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Fast Format Restore with the Select button, you see the following graphic display:

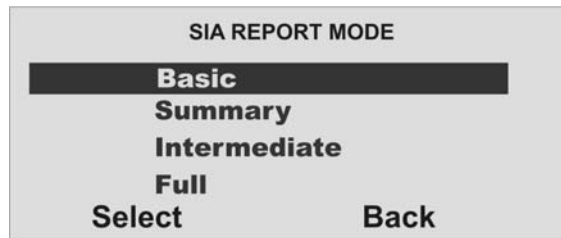





Use the control buttons  to select whether the restoring of a function (closing of an alarm zone, error clearance) is to be transmitted to the station. If the function is disabled, only faults or alarms are transmitted to the panel but not the restoring of this function. Select a function and then press the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.10.1.9. SIA Report

Use the control buttons  to select SIA Report. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm SIA Report with the Select button, you see the following graphic display:



Select with the control buttons  and select the transmission level. For the events that are transmitted, see the table below. To select a level, press the control button  under the word Select. To cancel input, press the control button  under the word Back.

Message	Basic SIA-Code	Summary SIA-Code	Intermediate SIA-Code	Full SIA-Code
	Code without Zn No. without User	Code without Zn No. without User	Code + Zn No. + User	Code + Zn No. + User
KEYPAD MEDICAL	MA	MA	MA	MA
FIRE	FA	FA	FA	FA
KEYPAD FIRE	FA	FA	FA	FA
KEYPAD FIRE RESTORE	-	FR	FR	FR
FIRE RESTORE	-	FR	FR	FR
PANIC	PA	PA	PA	PA
KEYPAD PANIC	PA	PA	PA	PA
KEYPAD PANIC RESTORE	-	PR	PR	PR
PANIC RESTORE	-	PR	PR	PR
BURG	BA	BA	BA	BA
BURG RESTORE	-	-	BR	BR
LID TAMPER	-	TA	TA	TA
LID TAMPER RESTORE	-	-	TR	TR
EXTERNAL SIREN TAMPER	-	-	TA	TA
EXTERNAL SIREN TAMPER RESTORE	-	-	TR	TR
SENSOR TAMPER	TA	TA	TA	TA
SENSOR TAMPER RESTORE	-	-	TR	TR
SYSTEM TAMPER	-	TA	TA	TA
SYSTEM TAMPER RESTORE	-	-	TR	TR
TAMPER USER CODE	-	JA	JA	JA
KEYBOX OPEN	-	-	BA	BA
KEYBOX CLOSED	-	-	BR	BR
TECHNICAL ALARM	-	UA	UA	UA
TECHNICAL ALARM RESTORE	-	UR	UR	UR

AC LOST	-	-	-	AT
AC RESTORE	-	-	-	AR
RESET	-	OR	OR	OR
LOW BATT	-	-	-	YT
LOW BATT RESTORE	-	-	-	YR
BATT MISSING	-	-	-	YM
BATT MISSING RESTORE	-	-	-	YR
PLUGON FAULT	-	-	-	LT
PLUGON FAULT RESTORE	-	-	-	LR
PSTN FAULT	-	-	-	LT
PSTN FAULT RESTORE	-	-	-	LR
JAMMING	-	-	XQ	XQ
SUPERVISION FAULT	-	-	BZ	BZ
SUPERVISION FAULT RESTORE	-	-	-	-
TX BATTERIE TROUBLE	-	-	XT	XT
TX PSU FAULT	-	-	YP	YP
TX PSU FAULT RESTORE	-	-	YQ	YQ
ARM	-	CL	CL	CL
PART SET	-	CL	CL	CL
DISARM	-	OP	OP	OP
KEYSWITCH SET	CS	CS	CS	CS
KEYSWITCH UNSET	OS	OS	OS	OS
DOWNLOAD SUCCESS	-	-	RS	RS
ZONE OMIT	BB	BB	BB	BB
MAN TRIGGER TEST REPORT	RX	RX	RX	RX
PERIODIC TEST REPORT	RP	RP	RP	RP
TD (TIME AND DAY) RESET	-	-	-	JT
PROG MODE START	-	LB	LB	LB
PROG MODE END	-	LS	LS	LS
USER CODE CHANGED	-	-	-	JV

USER CODE DELETED	-	-		JX
PASSWORD DEFAULTS LOADED	-	-	RH	RH
EXIT TIMEOUT	EA	EA	EA	EA

NOTE: In Germany and Austria we recommend the following digital protocol:

Select the option protocol the protocol type: SIA1

Select the option SIA report: Basic

The panel will transmit now

Burglary, Fire, Panic and Tamper (only if panel is set) without zone number and without user

Select SIA report: Summary




In addition, the panel will transmit now set/unset without user or zone numbers

Select SIA report: Intermediate

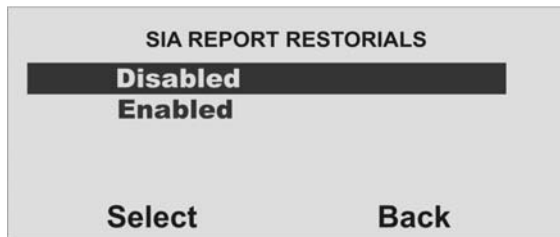
In addition, the panel transmits now also zone numbers and users




Select the option protocol the protocol type CONTACT ID and the panel will transmit Burglary, Fire, Panic, Tamper (only if panel is set), set/unset including zone number and user.

10.10.1.10. SIA Report Restorials




Use the control buttons  to select SIA Restorials. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm SIA Report Restorials with the Select button, you see the following graphic display:

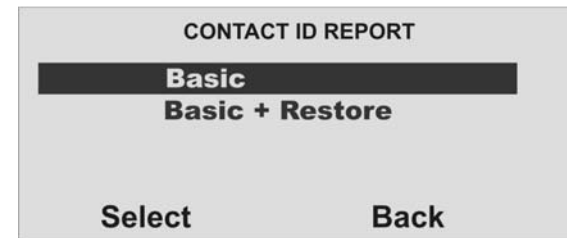



Use the control buttons  to select whether the restoring of a function (closing of an alarm zone, error clearance) is to be transmitted to the station. If this function is disabled, only faults or alarms are transmitted to the panel but not the restoring (OK message) of this function. Select a function by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.10.1.11. Contact ID

Use the control buttons  to select Contact ID. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Contact ID with the Select button, you see the following graphic display:



Use the control buttons  to select whether the restoring of a function (closing of an alarm zone, error clearance) is to be transmitted to the station. If only the basic function is enabled, only faults or alarms are transmitted to the panel but not the restoring (reset) of this function.



Select a function by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

Table lists all messages transmitted . If you select **Basic**, all messages are transmitted.




If you select **Basic+Restore**, all messages with a number are transmitted.

Message	CID Basic Code + Zn No. + User	CID Basic + Restore Code + Zn No. + User
KEYPAD MEDICAL	100	100
FIRE	110	110
KEYPAD FIRE	110	110
KEYPAD FIRE RESTORE	-	110
FIRE RESTORE	-	110
PANIC	120	120
KEYPAD PANIC	120	120
KEYPAD PANIC RESTORE	-	120
PANIC RESTORE	-	120
BURG	130	130
BURG RESTORE	-	130
LID TAMPER	137	137
LID TAMPER RESTORE	-	137
EXTERNAL SIREN TAMPER	137	137
EXTERNAL SIREN TAMPER RESTORE	137	137
SENSOR TAMPER	137	137
SENSOR TAMPER RESTORE	137	137
SYSTEM TAMPER	137	137
SYSTEM TAMPER RESTORE	137	137
TAMPER USER CODE	461	461
KEYBOX OPEN	150	150
KEYBOX CLOSED	150	150
TECHNICAL ALARM	-	150
TECHNICAL ALARM RESTORE	150	150
AC LOST	301	301
AC RESTORE	-	301
RESET	305	305
LOW BATT	311	311
LOW BATT RESTORE	-	311
BATT MISSING	311	311
BATT MISSING RESTORE	-	311
PLUGON FAULT	351	351
PLUGON FAULT RESTORE	-	-
PSTN FAULT	351	351




PSTN FAULT RESTORE	-	-
JAMMING	380	380
SUPERVISION FAULT	381	381
SUPERVISION FAULT RESTORE	-	-
TX BATTERIE TROUBLE	384	384
ARM	401	401
PART SET	401	401
DISARM	401	401
KEYSWITCH SET	409	409
KEYSWITCH UNSET	409	409
DOWNLOAD SUCCESS	412	412
ZONE OMIT	573	573
MAN TRIGGER TEST REPORT	601	601
PERIODIC TEST REPORT	602	602
TD (TIME AND DAY) RESET	625	625
PROG MODE START	627	627
PROG MODE END	628	628
USER CODE CHANGED	-	-
USER CODE DELETED	-	-
PASSWORD DEFAULTS LOADED	-	-
EXIT TIMEOUT	-	-

10.10.1.12. Force Test Call Now

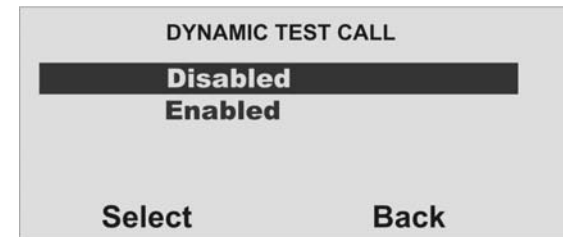
Use this option to make the radio alarm panel start a test call immediately.




Use the control buttons  to select Force Test Call Now. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.10.1.13. Dynamic Test Call

Use the control buttons  to select Dynamic Test Call. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Dynamic Test Call with the Select button, you see the following graphic display:



Use the control buttons  to select whether the panel is to make a test call every 24 hours. If the function is enabled, the call is made every 24 hours following the last transmission. Select a function and confirm it by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

NOTE: The dynamic test call has the advantage that the panel only makes a test call if within the last 24 hours the panel has not sent any transmission. E.g. if you transmit set/unset, it may happen that the panel never makes a test call as it already transmits one information per day.

10.10.1.14 Static Test Call

In static testing the system makes a test call either at one particular time of day or on one day every month.

To make test calls at a set time every day select

Reporting, Alarms, Static Test Call, Daily. From the display select a number between 01 and 24 to choose the time of day for the call.

For example, select 18 to program the radio alarm panel to make a static test call at 6:00pm every day.




To make test calls on one day every month select

Reporting, Alarms, Static Test Call, Monthly. From the display select a number between 1 and 31 to specify the day of the month on which the call should take place. The radio alarm panel will make a test call at 1am on the selected day.

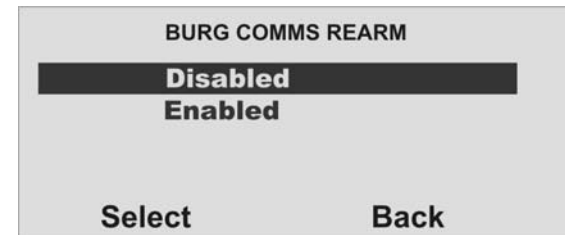
Note that the radio alarm panel will add or subtract up to 16 minutes at random to the time you specified. This is to make sure that the ARC is not overwhelmed with a flood of test calls from systems that have all been given the same time.




Select *Reporting, Alarms, Static Test Call, Disabled* to disable static test calls.

10.10.1.15. Burg Comms Rearm




Press the control button  to select Burg Comms Rearm and confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Burg Comms Rearm with the Select button, you see the following graphic display:

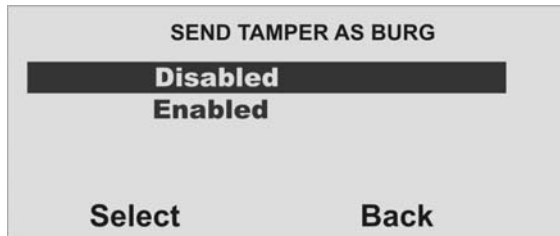





Use the control buttons  to select whether the panel is to reset channel 3 of the Fast Format report following expiry of the delay time and then rearm it if there is a new alarm. If this function is enabled, all zones in alarm state are hidden. If the function is disabled, this channel is disabled until the panel is deactivated and rearmed. Select a function by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.10.1.16. Send Tamper as Burg

Use the control buttons  to select Send Tamper as Burg. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Send Tamper as Burg with the Select button, you see the following graphic display:



Use the control buttons  to select whether the panel is to transmit a tamper alarm as a burglar alarm. This is important since there are stations that cannot evaluate the resetting of a tamper alarm. If this function is enabled, a tamper alarm is sent as a burglar alarm (BA for SIA or 130 for Contact ID). Select a function and confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.10.2. Social Care

NOTE: This option needs only to be programmed if you want to transmit an alarm via digital protocol. If you want to send a speech message, please select the next option.

The radio alarm panel sends a social care alarm message for the following types of alarm:




Emergency

A user presses a button on a pendant. The radio alarm panel then reports to the social care station with an EMERG BUTTON event (SCANCOM channel 2).

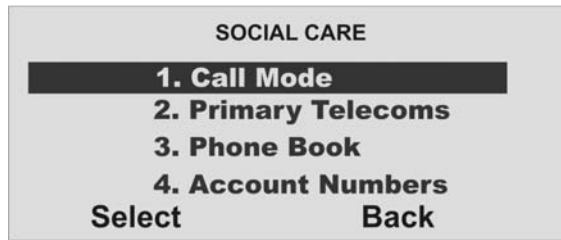
Activity




A zone with the Activity Monitoring attribute has been triggered. While the system is unset the radio alarm panel checks that this zone is reporting activity. If the zone is quiet for longer than a pre-programmed time then the radio alarm panel starts a medical alarm and reports to the social care station with an INACTIVITY event (SCANCOM channel 3).

If the system is set then the Activity Monitoring zone acts as a normal alarm.

Press the control button  to select Social Care and confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.




If you confirm Social Care with the Select button, you see the following graphic display:



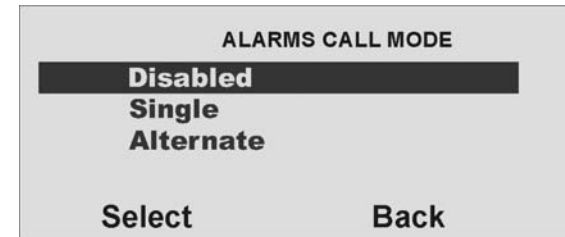
Use the control buttons  to select a function. For a list of functions and their attributes, see the table below. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.




Function	Meaning
Call Mode	Setting for reporting emergency messages
Primary Telecoms	You must use this option to select which route the radio alarm panel will pick first for sending reports.
Phone Book	Select a phone number for transmitting emergency messages.
Account Numbers	For entering the account numbers by the command centre
Report Type	For entering the digital command centre report for the transmission of emergency calls to the command centre
Call Acknowledge	Setting for confirming emergency call transmission

10.10.2.1. Call Mode

Use the control buttons  to select Call Mode. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.




If you confirm Call Mode with the Select button, you see the following graphic display:



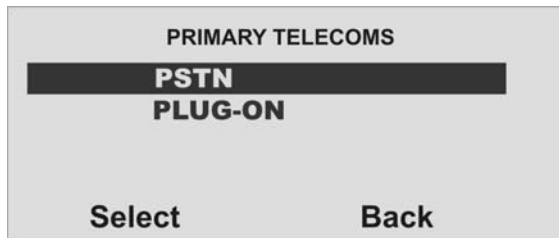
Use the control buttons  to select a function. For a list of functions and their attributes, see the table below. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.




Function	Meaning
Disabled	No emergency messages are transmitted to the command centre.
Single	The alarm panel transmits emergency messages to the first phone number in the phone book together with the first account number for identification. If transmission is not confirmed, the panel repeats the call up to 15 times.
Alternate	The panel first transmits emergency messages to the first phone number in the phone book. If the line is busy, the alarm is transmitted to the second number in the phone book. This continues up to 15 times until confirmed, always alternating between the two phone numbers.

10.10.2.2. Primary Telecoms




Press the control button  to select **PRIMARY TELECOMS** and confirm by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

After selecting **PRIMARY TELECOMS** with **Select**, you see the following graphic display:

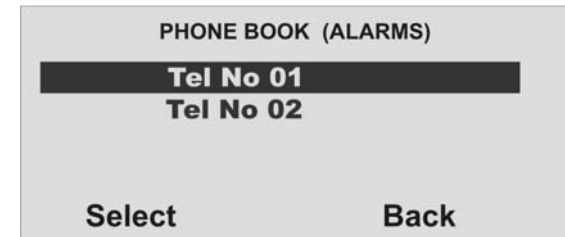





Use the control buttons  to select the primary transmission method. This transmission method is used as long as transmission is possible with it. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

10.10.2.3. Phone Book

Use the control buttons  to select **Phone Book**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.




If you confirm **Phone Book** with the **Select** button, you see the following graphic display:



Use the control buttons  to select the phone number you want to change. To select a phone number, press the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.




Enter the callback number of the panel that you have received for transmitting the respective report. To enter a dial break press the "*" -button. Each break holds back the dialing process for three seconds.

10.10.2.4. Account numbers

Use the control buttons  to select **Account Numbers**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Account Numbers** with the **Select** button, you see the following graphic display:



Use the control buttons  to select the account number you want to change. To select an account number, press the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

Enter the account number that you have received for transmitting from the station.




Select Reporting, Social Care, Account Numbers to store any account numbers that you wish the radio alarm panel to communicate during a social care alarm call.

For social care reporting an account code can be up to eight characters long (digits and letters).

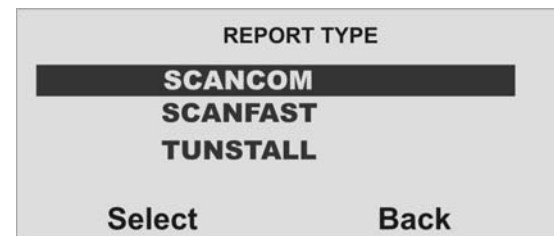
When using Scancom or Scanfast report types (see below) the radio alarm panel uses the last four to six characters of the account code. If you key in four characters then the radio alarm panel uses only those four characters. If you key in five characters then the radio alarm panel pads the number of digits out to six by adding leading zeros.




When using Tunstall report type the radio alarm panel adds leading zeros to make shorter account codes eight characters long.

10.10.2.5. Report Type

Use the control buttons  to select **Report Type**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Report Type** with the **Select** button, you see the following graphic display:



Use the control buttons  to select a report type. For a list of report types and their attributes, see the table below. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

After sending the alarm according to the selected digital report type, the panel opens a two-way audio channel. Select DTMF for the audio connection. Depending on the report type selected, various functions are available.

Function	SCANCOM	SCANFAST	TUNSTALL
Speaking	DTMF tone "2"	Not available	DTMF "C"
Listening	DTMF tone "1"	Not available	DTMF "*"
Switching	DTMF tone "*"	Not available	Not available
Confirm call	DTMF tone "5"	Not available	DTMF "#"
Play back basic message	DTMF tone "3"	Not available	Not available

Table 21: Audio control for social calls

The report sequence is as follows:

1. The radio alarm panel reports to the social care station if social care reporting Call Mode is ON. The report includes a SCANCOM channel 8 to show that a two way speech path is available. The radio alarm panel opens a two-way speech channel at the end of the report and leaves it open until the radio alarm panel receives a DTMF '5' command or a




timeout occurs. The social care station can send commands to the radio alarm panel by using DTMF tones during the 2-way speech call. The commands available are: see above

2. The radio alarm panel sends the "Home" speech message (see "Speech Dialler") to identify the caller.

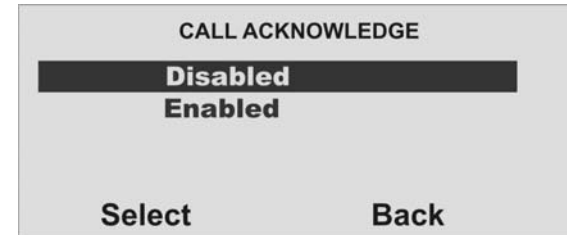
Note that you will have to use the Speech Dialler menu to record the Home Message.




3. The radio alarm panel sends an SMS message (see SMS Reporting).

10.10.2.6. Call Acknowledge

Use the control buttons  to select **Call Acknowledge**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Call Acknowledge** with the **Select** button, you see the following graphic display:



Use the control buttons  to select whether the social call is to be acknowledged by the receiver by pressing DTMF button "5" or not. If the function is disabled, the call is considered to have been transmitted when the called party accepts it. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

10.10.3. Configuring speech dialler




The Speech Dialler function of the alarm panel describes the option of sending a voice message to a (mobile) telephone in addition to the digital transmission of a report to a command centre in the event of an alarm.

The radio alarm panel has a built-in speech dialler. The radio alarm panel can record five speech messages using its internal microphone and replay them to a pre-programmed telephone number to report an alarm. One message is called the "Home message", and is always played at the beginning of a report. You should use this message to identify the radio alarm panel and its location. The other four messages allow you record some indication of the type of event causing an alarm, for example: "Fire" or "Medical emergency". The radio alarm panel plays these messages after the home message.

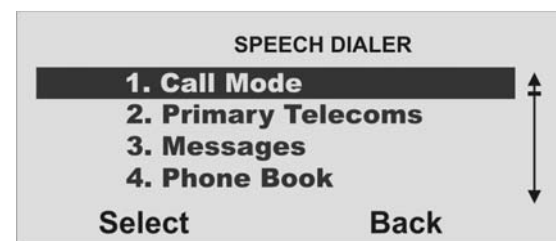
The radio alarm panel can record up to 12 seconds of speech for the Home message, and up to eight seconds of speech for each of the alarm messages.




While programming the speech dialler you link each message with the specific alarm type you wish to report. You then select a set of destinations for each message, and each destination corresponds to one of the telephone numbers you wish to call (see diagram below). If a Social Emergency or Social Inactivity trigger starts a speech call then the radio alarm panel also opens a speech path the to the called number.

The person receiving the speech messages can control the link by sending DTMF tones back to the radio alarm panel (usually by pressing buttons on the telephone key pad).

Use the control buttons  to select Speech Dialler. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Speech Dialler with the Select button, you see the following graphic display:



Use the control buttons  to select a function. For a list of functions and their attributes, see the table below. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.




Function	Meaning
Call Mode	Setting for transmitting voice messages
Primary Telecoms	You must use this option to select which route the radio alarm panel will pick first for sending reports.
Messages	Recording of messages for voice messages
Phone Book	For entering phone numbers to which voice messages are to be sent
Report Triggers	For linking the voice message to an event
Destinations	For linking the voice message to a phone number

Call Acknowledge | Setting for confirming the voice message
 To enable the Speech Dialler function, you have to set the function in the Call Mode menu to Enabled.

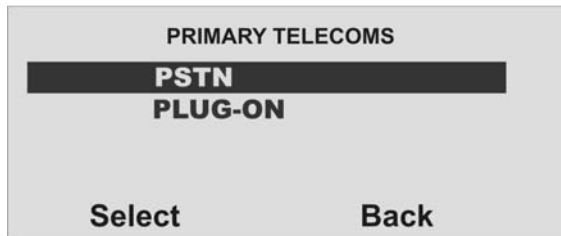
10.10.3.1. Call Mode




This option enables or disables the speech dialler feature. To employ speech dialling set the call mode to "Enabled".

10.10.3.2. Primary Telecoms




Press the control button  to select PRIMARY TELECOMS and confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

After selecting PRIMARY TELECOMS with Select, you see the following graphic display:

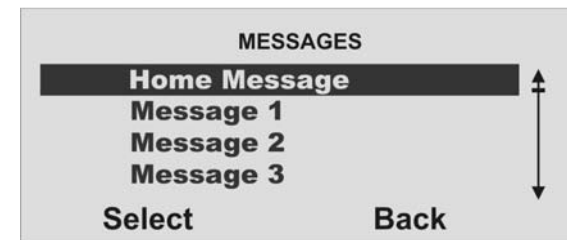





Use the control buttons  to select the primary transmission method. This transmission method is used as long as transmission is possible with it. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.10.3.3. Messages

Use the control buttons  to select Messages. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Messages with the Select button, you see the following graphic display:



Use the control buttons  to select a function. For a list of functions and their attributes, see the table below. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

Function	Meaning
Home Message (approx. 10 sec).	Select this function and follow the instructions in the display. This message is played back at every voice message transmission. Record the data for the location of the alarm panel (name, address, city).
Message 1-4 (approx. 3 sec).	Recording of messages for different events 4 messages are available. You can for example record "Fire alarm!" or "Burglar alarm".

You need to record at least the home message and on event triggered message. Do not forget to save the message following recording.




10.10.3.4. Phone Book

Enter the phone numbers to be dialled. You assign phone numbers to messages under the Destinations menu item. To enter a dial break press the "*" -button. Each break holds back the dialing process for three seconds.

The display then gives you a chance to key in a name for that number. The radio alarm panel will display this name in the phone book to help you remember what destination you wanted the message to go to.




Note that the last telephone number is labelled "Follow Me". The radio alarm panel makes this number available in the User Menu. A user can enter a new telephone number in this slot at will. This allows the user to re-direct any speech message programmed for this slot.

10.10.3.5. Report Triggers

Use the control buttons  to select Report Triggers. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Report Triggers with the Select button, you see the following graphic display:



Use the control buttons  to select a message to which you want to assign a report trigger. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.




After selecting a message, select the corresponding report trigger. Then define the report trigger that causes the alarm to be transmitted with this message. In this point, you are linking a message with an event (trigger).

Make this assignment for all four messages.

After assigning a recorded message to an event (trigger), assign it to one or more phone numbers to be dialled in the event of an alarm.




In the radio alarm panel you can link up to five different trigger events to each speech message. A trigger event is one item selected from a list of alarm types. To link specific trigger events to individual messages select Alarms, Speech Dialler, Report Triggers. The display shows a list of voice messages. (Note that the home message does not appear. The radio alarm panel always sends the home message at the beginning of each transmission.) Select the message that you wish to program. The display then shows a list of five triggers. Select a trigger and the display shows a list of available alarm events. Select one alarm event for that trigger. When you have selected an alarm event the display shows the list of triggers again. You may program one alarm event for each of the five triggers in the list. When you finish selecting alarms for each trigger, you have now linked alarm events to triggers, and one or more triggers to a message.

10.10.3.6. Destinations

Use the control buttons  to select **Destinations**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Destinations** with the **Select** button, you see the following graphic display:






Use the control buttons  to select a message to which you want to assign one or more phone numbers. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

After selecting a message, you see a list of the phone numbers you entered previously under **Phone Book**. Select the telephone number(s) to which the voice message is to be sent.

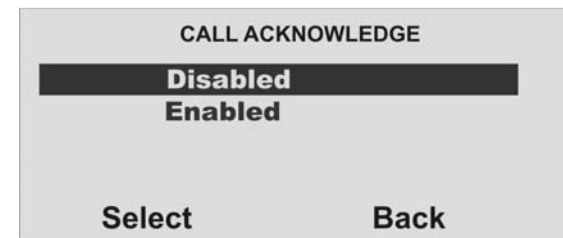
Mark phone numbers to be called in the event of an alarm for this event with **YES**.




Note: There are a total of five voice messages available. The radio alarm panel always sends the Home Message at the beginning of every speech report. The radio alarm panel then sends messages 1, 2, 3 or 4 to the telephone numbers you selected.

10.10.3.7. Call Acknowledge

Use the control buttons  to select **Call Acknowledge**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Call Acknowledge** with the **Select** button, you see the following graphic display:



Use the control buttons  to select whether alarm transmission of the voice message is to be acknowledged by the receiver by pressing DTMF button "5" or not. If the function is disabled, the call is considered to have been transmitted when the called party accepts it. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If the called party answers a speech dialler call, then they can end the call by sending back a DTMF '5'

With **Call Acknowledge** enabled the radio alarm panel ends the call when it receives a DTMF '5'. If the radio alarm panel does not receive a DTMF '5' then it attempts to call again (up to three times).

With **Call Acknowledge** disabled the radio alarm panel stops further call attempts to that number as soon as it detects a call being answered. The called party can use DTMF '5' to close the call down.

Note that after receiving a DTMF '5' the radio alarm panel will go on to call any other programmed speech dialler numbers. To prevent calls to other programmed speech dialler numbers the called party can acknowledge a call by sending back a DTMF '9'. When the radio alarm panel receives the '9' it stops all further call attempts.

10.10.3.8. Social Care call with speech message

If you receive an alarm call with a speech message it may take several seconds until you hear the message. After the message has been played you can listen into the room.

Select DTMF for the audio connection. An alarm call needs to be acknowledged by pressing the button 5 or 9 on the telephone

Speaking	DTMF tone "2"
Listening	DTMF tone "1"
Switching	DTMF tone "*" "
Confirm call	DTMF tone "5"
Play back basic message	DTMF tone "3"
Confirm all calls	DTMF tone "9"

10.10.4. SMS

In addition to alarm transmission by digital report or voice text, the panel can also send an event by SMS.




The radio alarm panel can send alarm reports by SMS message to any of four telephone numbers. Each alarm report is a single SMS message, comprising:

A Home Message and a text message. You must program the radio alarm panel with the content of these messages.

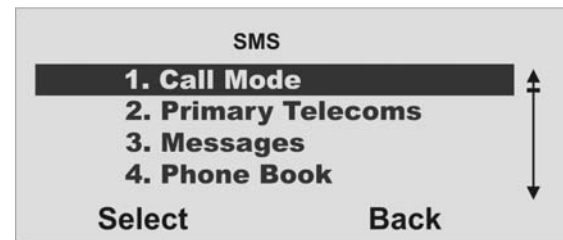
The text of the log entry that corresponds to the event causing the alarm.




The time and date of the alarm.

The zone name of the zone causing the alarm.

Use the control buttons  to select SMS. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm SMS with the **Select** button, you see the following graphic display:






Use the control buttons  to select a function. For a list of functions and their attributes, see the table below. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

Function	Meaning
Call Mode	Setting for transmitting text messages (SMS)
Primary Telecoms	You must use this option to select which route the radio alarm panel will pick first for sending reports.
Messages	Enter the text message via the keypad.
Phone Book	For entering phone numbers to which SMS messages are to be sent
SMS Triggers	For assigning an SMS text message to one or more events
PSTN SMS	If you do not have a GSM module fitted, but are sending SMS messages by way of the PSTN line, then you must program some extra information under this menu.

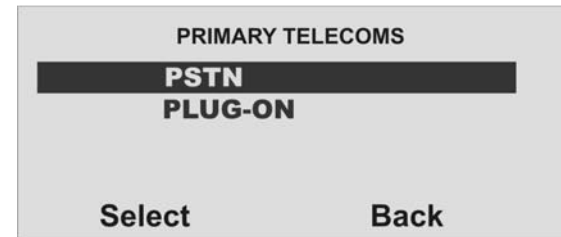
10.10.4.1. Call Mode




This option enables or disables SMS reporting. To employ SMS reporting set the call mode to "Enabled".

10.10.4.2. Primary Telecoms




Press the control button  to select PRIMARY TELECOMS and confirm by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

After selecting PRIMARY TELECOMS with Select, you see the following graphic display:

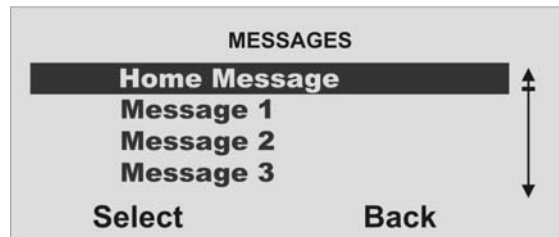





Use the control buttons  to select the primary transmission method. This transmission method is used as long as transmission is possible with it. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

10.10.4.3. Messages

Use the control buttons  to select **Messages**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **Messages** with the **Select** button, you see the following graphic display:



Use the control buttons  to select a function. For a list of functions and their attributes, see the table below. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.




Function	Meaning
Home Message	The Home Message provides space for 12 characters. Use the this text to identify the radio alarm panel.
Message 1–4	Each numbered message provides space for 30 characters. Key in a message that relates to the type of alarm event you select as a trigger (See "SMS Triggers").

10.10.4.4. Phone Book

To program the telephone numbers that the radio alarm panel will use for SMS message select Reporting, SMS, Phone Book. Highlight and select the telephone number you wish to program and key in the correct digits. When you have completed keying in the telephone number press **DONE**. The display then allows you to give the telephone number a name. The radio alarm panel will display this name in the phone book to help you remember what destination you wanted the message to go to.


The radio alarm panel sends the text in the Home Message to every telephone number you have programmed for SMS messages. The radio alarm panel also sends message 1 to telephone number 1, message 2 to telephone number 2, message 3 to telephone number 3 and message 4 to telephone number 4.



10.10.4.5. SMS Triggers

Use the control buttons  to select **SMS Triggers**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **SMS Triggers** with the **Select** button, you see the following graphic display:






Use the control buttons  to select a trigger. For a list of triggers and their attributes, see the table below. Confirm your selection by pressing

the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

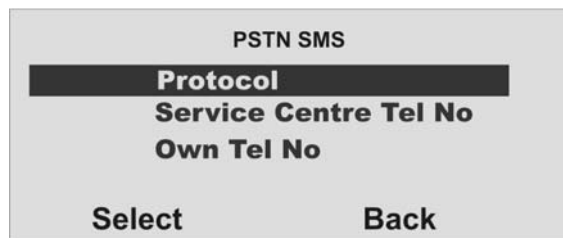
Report Triggers	Meaning
Tampers	Transmits an SMS in the event of a tamper alarm.
Alarms	Transmits an SMS in the event of an alarm (fire, panic, etc.).
Sets/Unsets	Transmits an SMS when the alarm panel is activated/deactivated.
System	For assigning an SMS text message to one or more events


10.10.4.6. Configuring PSTN SMS



With some telephones, you can send SMS messages via the analogue line, but first you have to make some additional settings.

Use the control buttons  to select **PSTN SMS**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

If you confirm **PSTN SMS** with the **Select** button, you see the following graphic display:



Use the control buttons  to select a function. For a list of functions and their attributes, see the table below. Confirm your selection by

pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.

Function	Meaning
Protocol	Select the protocol specified by your SMS Service Centre. The options available are: TAP 8N1, TAP 7E1, UCP 8N1 and UCP 7E1.
Service Center Tel No	Enter the phone number of the service centre given to you. The Service Centre number and the protocol must be identical. Consult the technical support department of a mobile phone company that you wish to use. When asking for the service centre number ask which protocol they support. Press * to insert a two second pause, if required. The display shows this as a comma.
Own Tel No	Some Service Centres need the calling number for charging the SMS. Enter the phone number of the analogue line.

For Germany select protocol: TAP8N1 (T-Mobil Service Center 01712092522)




For Austria select protocol: TAP7E1 (Mobilkom Service Center 090066494)

For Denmark select protocol: UCP8N1 (TeleDenmM Service Center 9011201)

For Switzerland select protocol: UCP8N1 (Swissco Service Center 0794998990)

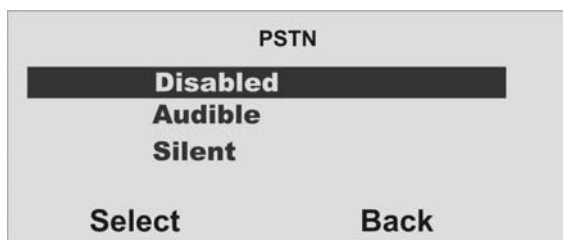
10.10.5. Line Fail Reporting




This menu lets you program the system to respond with either audible or silent alarms when the radio alarm panel detects a fault on one of its communication lines.

Use the control buttons  to select Line Fail Reporting. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you have a GSM or ISDN module you can set up Line Fail reporting for either the PSTN line attached directly to the radio alarm panel, or for the attached module.

If you confirm Line Fail Reporting with the Select button, you see the following graphic display:



Use the control buttons  to select whether the telephone line is to be monitored and how a fault is to be reported to the user. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back. The choices are:

Function	Meaning
Disabled	The telephone line is not monitored.
Audible	The telephone line is monitored. A fault is saved in the event log. If the panel is inactive, a telephone line fault is signalled with an acoustic warning tone that can be silenced by entering the user code. The system can be set again with the line fault present. If the panel is active, there is no warning tone. However, the siren delay time (if programmed) is reset to zero.
Silent	Similar to Audible but without a warning tone.


Note: Audible response is the NSI recommendation for line fault.

10.11. Configuring social care

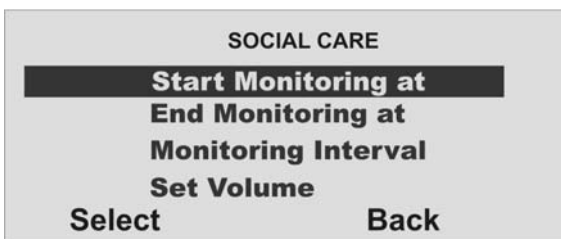
In the installer menu, use the control buttons to select the seventh menu item.




You see the following graphic display:



Select this menu item by pressing the control button  under the word **Select**.




You see the following graphic display:



Use the control buttons  to select a function. For a list of functions and their attributes, see the table below. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.


Function	Meaning
Start/End Monitoring at	Enter the monitoring period.
Monitoring Interval	Enter the monitoring interval.
Set Volume	Volume for the output of the voice connection.


10.11.1. Start/End Monitoring at

Use the control buttons  to select **Start Monitoring at**. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.


If you confirm **Start Monitoring at** with the **Select** button, you see the following graphic display:






Use the control buttons  to select the start time of monitoring (activity check). At the start time, all detectors programmed for activity monitoring are activated. If they are not triggered at least once during the monitoring interval, a social call alarm is issued.

To confirm the time entered, select **OK** by pressing the control button  under the word **OK**.

Enter the monitoring end time in the same way as the start time.


When the radio alarm panel is monitoring an Activity Zone, the display shows a small icon  in the top right hand corner.


10.11.2. Monitoring Interval

Use the control buttons  to select Monitoring Interval. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Start Monitoring Interval with the Select button, you see the following graphic display:



Use the control buttons  to select the monitoring interval in hours. Within this interval, every detector programmed for activity monitoring must be triggered at least once to avoid the triggering of a social care alarm. Select the monitoring interval so that it is within the monitoring period defined by the monitoring start and end times.

To confirm the interval entered, select OK by pressing the control button  under the word OK.

10.11.3. Set Volume / Voice Connection

After the social call is triggered, a voice connection is established via the telephone. If the panel loudspeaker volume is too low, change it under Set Volume.

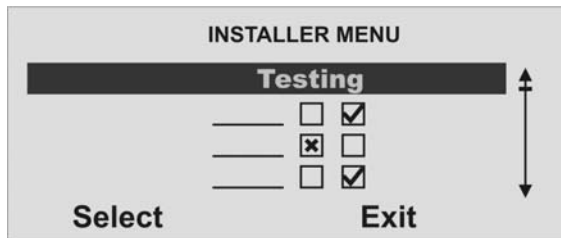
If you receive an alarm call with a speech message it may take several seconds until you hear the message. After the message has been played you can listen into the room. Select DTMF for the audio connection. An alarm call needs to be acknowledged by pressing the button 5 or 9 on the telephone


Speaking	DTMF tone "2"
Listening	DTMF tone "1"
Switching	DTMF tone "*" "
Confirm call	DTMF tone "5"
Play back basic message	DTMF tone "3"
Confirm all calls	DTMF tone "9"

10.12. Test function

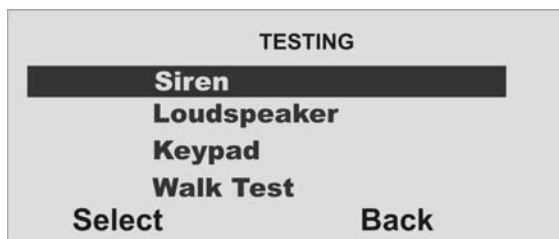
In the installer menu, use the control buttons to select the eighth menu item.




You see the following graphic display:



Select this menu item by pressing the control button  under the word **Select**.




You see the following graphic display:



Use the control buttons  to select a function. For a list of functions and their attributes, see the table on the right. Confirm your selection by pressing the control button  under the word **Select**. To cancel input, press the control button  under the word **Back**.



Function	Meaning
Siren	Tests the function of the local siren in the alarm station.
Loudspeaker	Tests the function of the local loudspeaker in the alarm station.
Keypad	Tests the keypad input function.
Walk Test	Go through each programmed detector to test its function.
Detector strengths	Tests the signal strength of trained detectors.
Ext. Siren Signals	Tests the signal strength of the external sirens
WAMs Signals	Tests the signal strength of WAMs
Arm Station Signals	Tests the signal strength of arking stations
Outputs	Tests the outputs when you activate them manually.
Telecommands	Tests the button functions and the owner of the programmed telecommands.
Pendants	Tests the function of the pendants.
Panic Alarms	Tests the function of the panic button.
Tags	Tests the function of the proximity tag.

10.12.1. Testing local siren

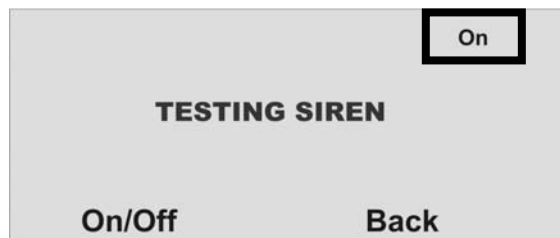
Use the control buttons  to select Siren. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Siren with the Select button, you see the following graphic display:






Activate the siren by pressing the control button  under the word On/Off. To cancel input, press the control button  under the word Back.

If you confirm the display On/Off, the internal siren is activated. You should now be able to hear the alarm tone. In the upper right corner of the display, the word ON appears. You see the following graphic display:





To end the test, select On/Off again.

10.12.2. Testing the loudspeaker

Use the control buttons  to select Loudspeaker. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Loudspeaker with the Select button, you see the following graphic display:






Activate the loudspeaker by pressing the control button  under the words Play/Stop. To cancel, press the control button  under the word Back.

If you confirm the display Play/Stop, the loudspeaker is activated. You should now be able to hear the voice messages. In the upper right corner of the display, the word Playing appears. You see the following graphic display:

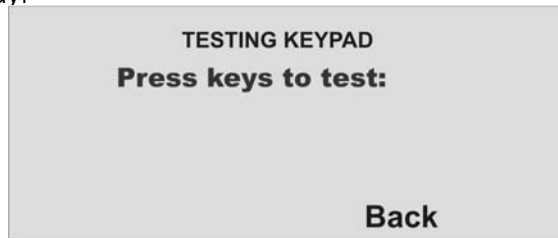


To end the test, select Play/Stop again.

10.12.3. Testing the keypad

Use the control buttons  to select Keypad. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.




If you confirm Keypad with the Select button, you see the following graphic display:



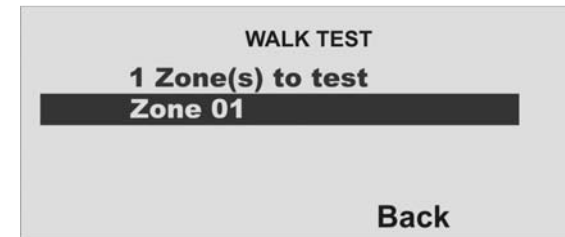
Press all keys on the keypad in succession. Press both dual keys together to test. Each key should produce a response on the display.

To cancel input, press the control button  under the word Back.


10.12.4. Walk test

Use the control buttons  to select Walk Test. Confirm your selection by pressing the control button  under the word Select. To cancel input, press the control button  under the word Back.

If you confirm Walk Test with the Select button, you see the following graphic display: (The display shows a list of all the detectors installed on the system.)



Now activate all detectors on the premises in succession. When a detector is recognised, the panel issues a signal tone. It also shows whether a tamper contact (T) and/or an alarm (A) is triggered. To

cancel input, press the control button  under the word Back. After you test all detectors, the display shows All zones tested.

Note that you cannot test 24 hour or fire zones.

10.12.5. Detector signal strength

Make the detector signal strength test in the same way as the walk test. The signal strength displayed corresponds to the reception strength of the last received signal of this detector. For the test, the reception strength of the alarm panel is reduced by 6dB. The signal strength should be higher than 3 to ensure radio communication. If the detector signal is too weak, use a **Repeater (WAM)** to ensure good radio communication.

10.12.6. External sounder

The test of the external siren is used for displaying the signal strength. The signal strength should be higher than 3.

10.12.7. WAM Signal

The test of the WAM signal is used for displaying the signal strength. The signal strength should be higher than 3.

10.12.8. Arming station

The test of the arming station signal is used for displaying the signal strength. The signal strength should be higher than 3.

10.12.9. Outputs

The test of the outputs is used for displaying the signal strength. The signal strength should be higher than 3.

10.12.10. Telecommands

Press the buttons of the telecommands. The alarm panel shows which button was pressed and what the button is used for. The display shows the identity and user of the telecommand

10.12.11. Pendant

Press the button on the pendant. The display shows the identity and user assigned to the pendant.

The test of the pendant is used for displaying the signal strength. The signal strength should be higher than 3.

10.12.12. Panic alarms

Press both buttons on the panic alarm transmitter. The display shows the identity of the user assigned to the panic alarm.

The test of the panic button is used for displaying the signal strength.

The signal strength should be higher than 3.

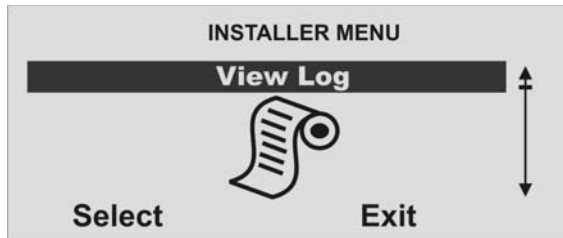
10.12.13. Proximity tag


Hold the tag in front of the alarm panel. If the tag is detected, the panel shows the user to which the tag is assigned. Only one tag can be trained for each user. You assign a tag to a user in user mode.

10.13. View Log

In the installer menu, use the control buttons to select the ninth menu item.

You see the following graphic display:



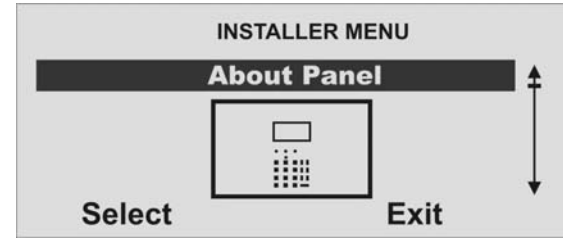
Select this menu item by pressing the control button  under the word **Select**.


The following table shows the messages:

10.14. Displaying system information

In the installer menu, use the control buttons to select the ninth menu item.

You see the following graphic display:



Select this menu item by pressing the control button  under the word **Select**.

You see the following graphic display:



To cancel the display, press the control button  under the word **Back**.

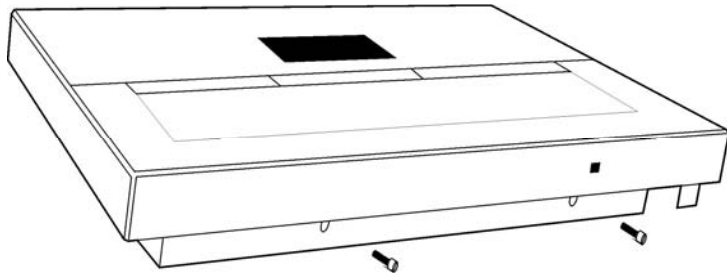
The following table is a summary of the data displayed:

Main S/W	Software state of the firmware of the radio alarm station
Part No.	Software state of the firmware of the radio alarm station
RF S/W	Software state of the firmware of the radio communication
English:	Software state of the OSD in English

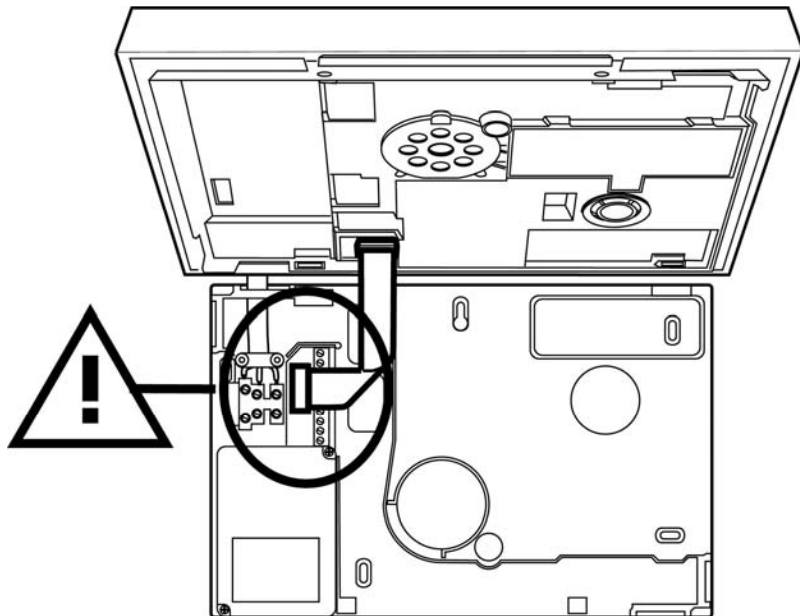
11. ISDN/GSM/Ethernet/GPRS Module

11.1 Preparing the alarm station

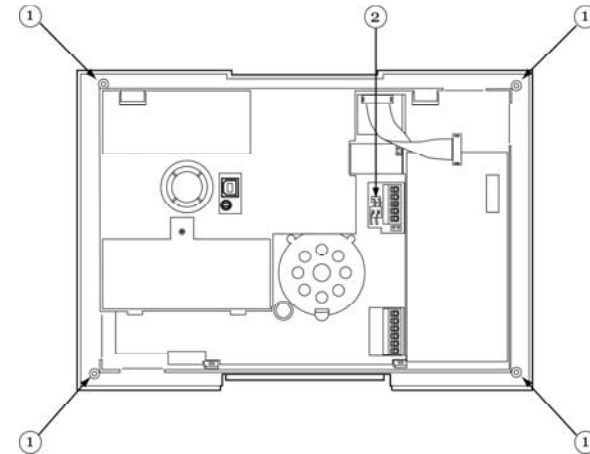
Before connecting the module to the alarm station, disconnect the electric power supply. First set the alarm station to installer mode to prevent triggering a tamper alarm when removing the upper section from the base plate. Now loosen the housing screws on the lower side of the radio alarm station as shown in the diagram.



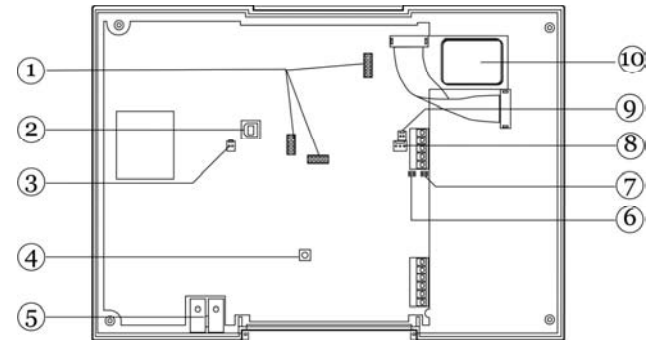
Now open the upper section and disconnect the connecting cable between the base plate and the upper section.



Turn the upper section round and remove the four housing screws (1) on the bottom of the upper section. Make sure you also disconnect the loudspeaker cable and the battery supply cable (2).



Carefully remove the cover of the upper section. Take care with the siren connection and the tamper spring. The PCB of the radio alarm station is now visible.

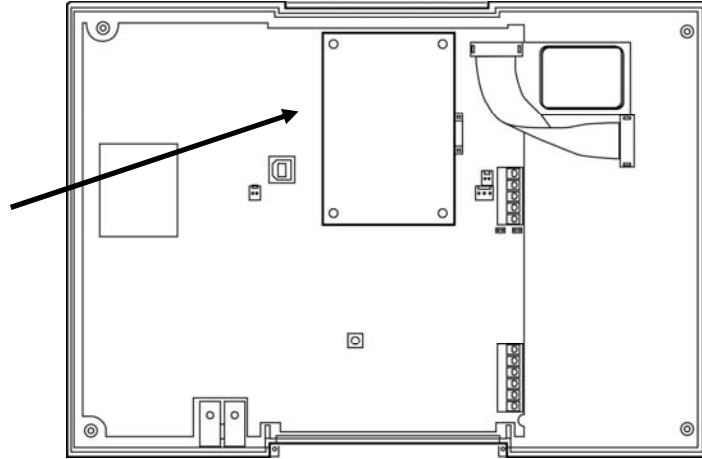


1	Base of ISDN/GSM module	2	USB port
3	Siren connector	4	Tamper switch
5	Microphone	6	Kickstart jumper
7	Code reset jumper	8	Battery connection
9	Loudspeaker connection	10	Chip-key reader

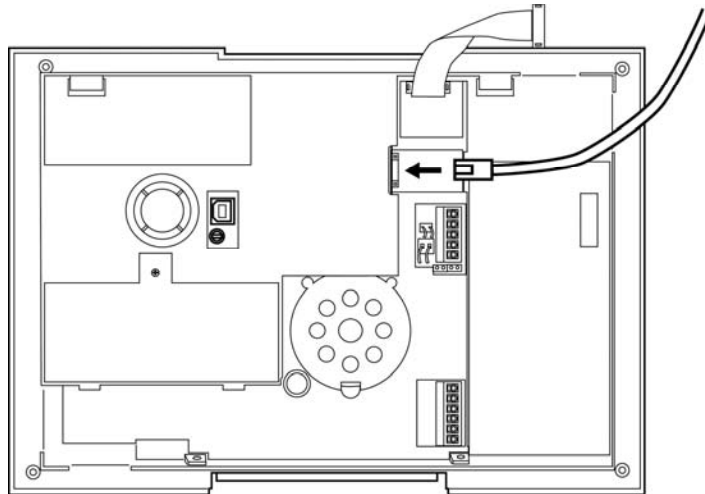
11.2 Fitting the ISDN module

Now insert the ISDN module carefully and exactly into the base for the ISDN module. Make sure that all base feet are correctly anchored in the base holder.

NOTE: The ISDN Module does not support MSN numbers.



Plug in the ISDN cable.



Now read section 11.6 on the next page.

11.3 Fitting the GSM module

Before inserting the GSM module, place a SIM card in the GSM module.

You can use any SIM card whose PIN code can be disabled or where the

SIM PIN has been changed to 0000 in advance. If you have not done so

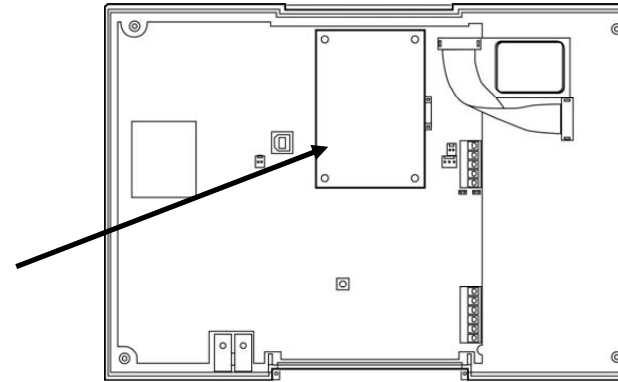
already, first place the SIM card in a mobile phone and disable the PIN

query or change the SIM PIN to 0000. Then place the SIM card in the

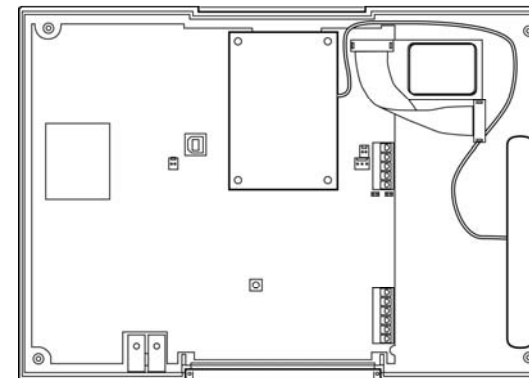
GSM module. Fix the antenna of the GSM module by fitting it carefully

and exactly into the base for the ISDN module. Make sure that all base

feet are correctly anchored in the base holder.



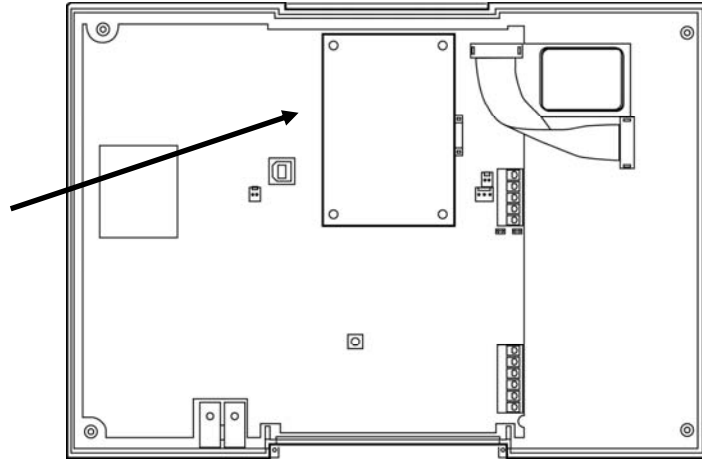
Fit the antenna cable as shown and stick the antenna to the interior of the casing.



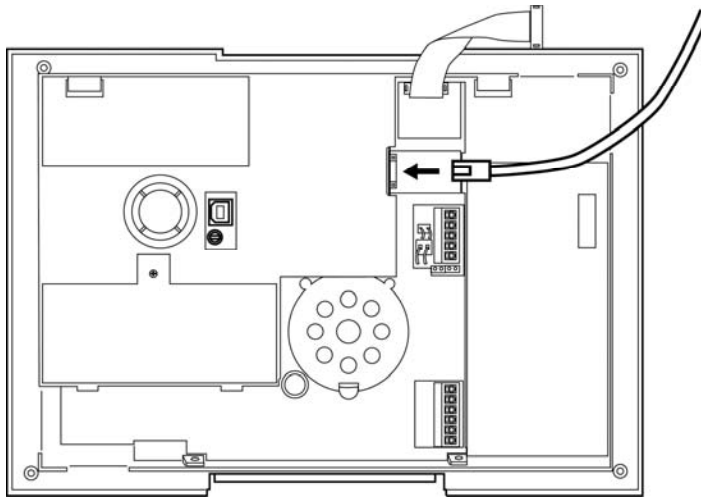
Now read section 11.6 on the next page.

11.4 Fitting the Ethernet module

Now insert the Ethernet module carefully and exactly into the base for the module. Make sure that all base feet are correctly anchored in the base holder.



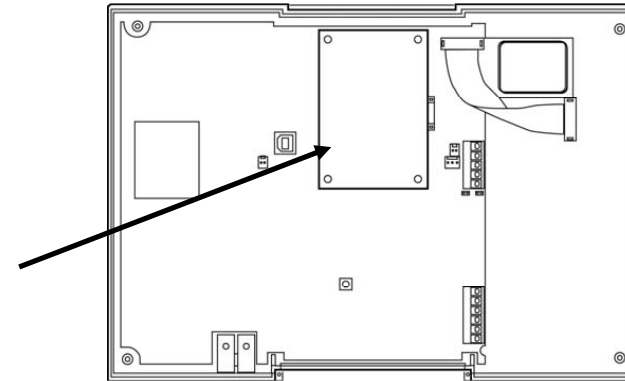
Plug in the Ethernet cable.



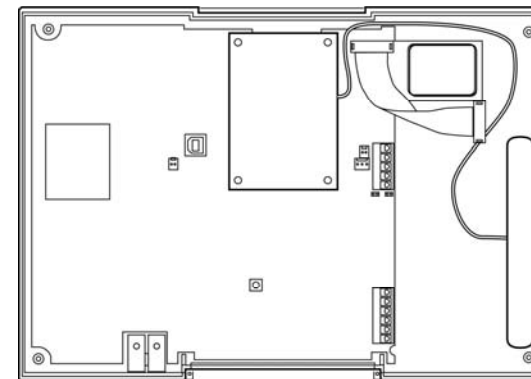
Now read section 11.6 on the next page.

11.5. Fitting the GPRS module

Before inserting the GPRS module, place a SIM card in the module. You can use any SIM card whose PIN code can be disabled or where the SIM PIN has been changed to 0000 in advance. If you have not done so already, first place the SIM card in a mobile phone and disable the PIN query or change the SIM PIN to 0000. Then place the SIM card in the GPRS module. Fix the antenna of the GPRS module by fitting it carefully and exactly into the base for the module. Make sure that all base feet are correctly anchored in the base holder.



Fit the antenna cable as shown and stick the antenna to the interior of the casing.



11.6 Concluding work

Finally, plug the siren plug from the cover of the upper section into the PCB and replace the tamper contact spring. Make sure that the microphone is also exactly located in the upper section and place the cover back on the upper section. Screw the upper section back in place.

Reconnect the battery and loudspeaker cables and the connecting cable between the base plate and the upper section. Place the upper section back on to the base plate and tighten the housing screws. The ISDN/GSM module is now operational and is automatically detected by the radio alarm station. You can now start/continue to program the communication settings. Pay close attention to the setting of the primary transmission path. If this is set wrongly (e.g., as PSTN even though no analogue line is connected), you will receive an error message such as "Telephone error" or "Telephone transmission error". In this case, check the setting of the primary transmission path and change it accordingly.

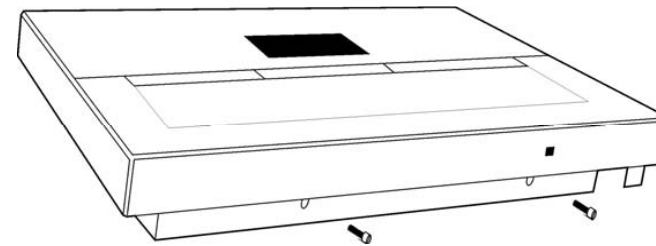
11.7 Authorisation

ISDN / GSM / Ethernet and GPRS modules are authorised by postal authorities all over Europe and conform with the CE according to the 1995/5/EC R&TTE directive. The manufacturer is in possession of corresponding documents, which can be requested if necessary.

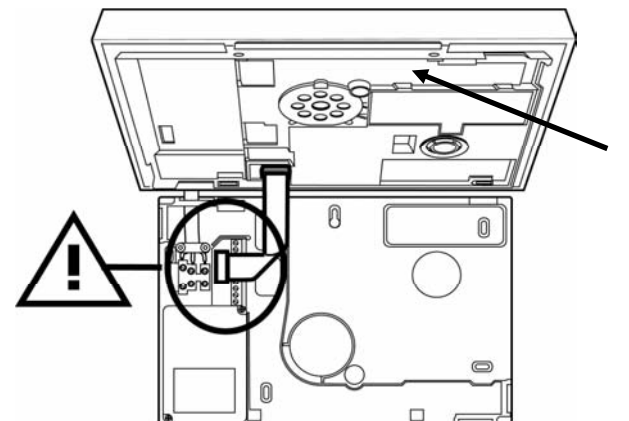
12. USB port and programming

12.1 Connecting up

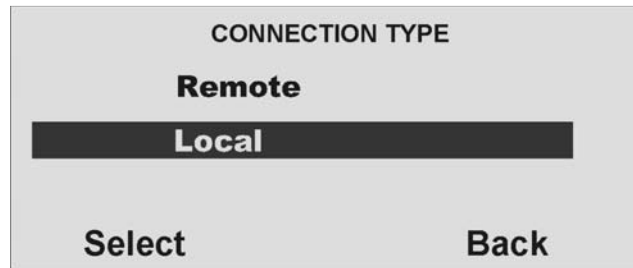
Use the USB cable to connect the alarm station to your PC or laptop. First set the central unit to installer mode to prevent triggering a tamper alarm when removing the upper section from the base plate. Now loosen the housing screws on the lower side of the radio alarm station as shown in the diagram.




Now open the upper section, but this time do not disconnect the connecting cable from the base plate, but plug one end of the USB cable into the USB port (1) of the alarm station.



Now connect the other end of the USB cable to your PC or laptop. In the installer menu, go to "Download" and in the "Download" menu select "Connection Type".



Select "local" and press the control key  under "Select". During the first call, the alarm station then installs the USB drivers on your computer. The connection is then established.

12.2 Programming

To program the equipment, install the Downloader program from the software CD supplied. You can also obtain the current version of this program in the download area of the Security Center homepage.

After installing and starting the downloader program, you are prompted to enter a password. This is: security.

After entering the password, you create a new customer. When you create a customer, you have to enter a serial number of the alarm station. Enter any 8-digit number, e.g.: 12345678.

Note also the connection settings. For the local connection setting via USB, you usually choose COM 3 in the software. For a brief description of the software, see the Downloader CD provided.

13. Technical data

Voltage supply

The internal power supply meets the requirements of EN50131-6 Type A, Class 2 and Environment Class 2.

Mains supply voltage	230V AC, 50Hz +/- 5%
Power consumption:	200mA +10%/-15%
Emergency power supply:	6 x 1.2V, NiMH, 2000mAh
Standby time:	12h
Charging time:	less than 72h
Voltage supervision:	power failure, battery empty, battery low
Fuse:	400mA delay-action

Certifications

Immunity:	EN50131-4
Interference compatibility:	EN61000-6-3:2002
Security:	EN60950-1:2002
Environmental compatibility:	EN50130-5 Class 1 93% relative humidity

Inputs/outputs

Wired outputs:	2 x 24V DC, 1A or 120V AC, 0.5A
Wired inputs:	2 x DEOL
Radio outputs	32
Radio inputs	32

Security

Security level:	EN50131-1 Level 2
Encryption:	16.777.214 (2E24 – 2)
Supervision:	Programmable
Access code	4-digit all four digits may be any number 0 to 9, giving 10,000 differs.
Code blocking:	Blocked for 90s after four incorrect codes in series.

Radio

Radio frequency

868.6625MHz narrow band
I-ETS 300 220

Radio power:

10mW

Transmitter range

The range of the transmitters compatible with this radio alarm panel depends on the environment in which they are installed. As a guideline, most transmitters will work up 100m range in free space conditions.

Communication

This product meets the requirements of EN50136-1-1:1998.

This product can share a PSTN line with other telephony or fax equipment.

PSTN:	Scancom Fast Format, SIA I, SIA II, SIA III, Extended SIA Level III, Contact ID, CID in SMS
GSM/ISDN/Ethernet/GPRS:	Plug-in extension module. Uses plug on module with proprietary interface between radio alarm panel and module.
Social care:	Tunstall, Scancom Fast Format
Speech messages	can be configured to be up to 44s long (one 12s home message and four consecutive alarms messages of 8s each).

Dimensions and weight

Dimensions:	285mm x 206mm x 45mm (HxWxD)
Weight:	1,060g
Internal time:	+/- 10min per year

Behaviour of the panel during mains failure

If the panel is unset it will display a message after several minutes. In addition the user of the panel will be notified when the panel is being armed and the displays backlight illumination turns off.

If the panel is set, the displays backlight illumination turns off as well. The user will be notified only after unsetting the system. If the panel is programmed to transmit the alarm via Contact ID or SIA 1 Full it will transmit the alarm to the monitoring station.

If you have selected the mains failure as an event trigger for a speech message you can also transmit a speech message.

Under no circumstances the panel will activate a local alarm.

14. Declaration of Conformity

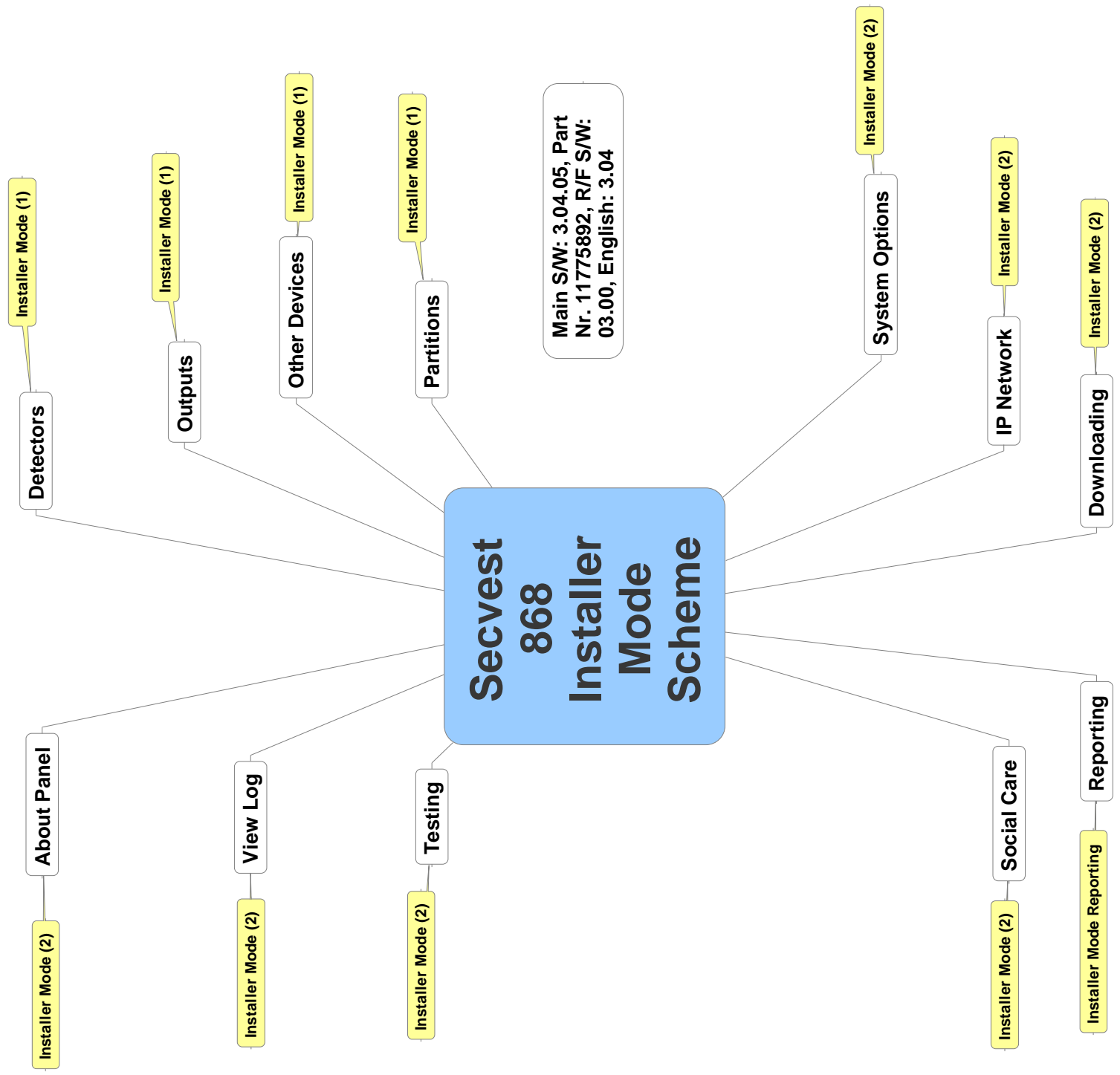
See next pages

15. Glossary

Abbreviation	Explanation
ARC	alarm receiving centre
GPRS	General Packet Radio Service
GPRS APN	Access Point Name
GSM	Global System for Mobile Communications (Groupe Spéciale Mobile) The mobile phone standard used throughout Europe and many other parts of the world.
ISDN	Integrated Services Digital Network
Jamming	The panel can detect that signals from other transmitters are interfering with proper operation of the telecommands, PAs and detectors that it has learned.
MAC	Media Access Control, Ethernet-ID
NC	normally closed
NO	normally open
NTBA	Network Termination for ISDN Basic rate Access
PABX	private automatic branch exchange
PSTN	Public Switched Telephone Network
SMS	Short Message Service, The "text message" service offered on many mobile phones .
Supervision	The radio alarm panel can be set to monitor radio detectors to see if they remain present and active. This facility is called "supervision" and works as follows: Approximately every four minutes

	each radio transmitter sends a short supervision transmission to announce its presence.
--	---

16. Installation Guideline



Secvest 868 Installer Mode Scheme

Main SW: 3.04.05, Part
Nr. 11775892, R/F SW:
03.00, English: 3.04

Detectors

Installer Mode (1)

Outputs

Installer Mode (1)

Other Devices

Installer Mode (1)

Partitions

Installer Mode (1)

System Options

Installer Mode (2)

IP Network

Installer Mode (2)

Downloading

Installer Mode (2)

About Panel

Installer Mode (2)

View Log

Installer Mode (2)

Testing

Installer Mode (2)

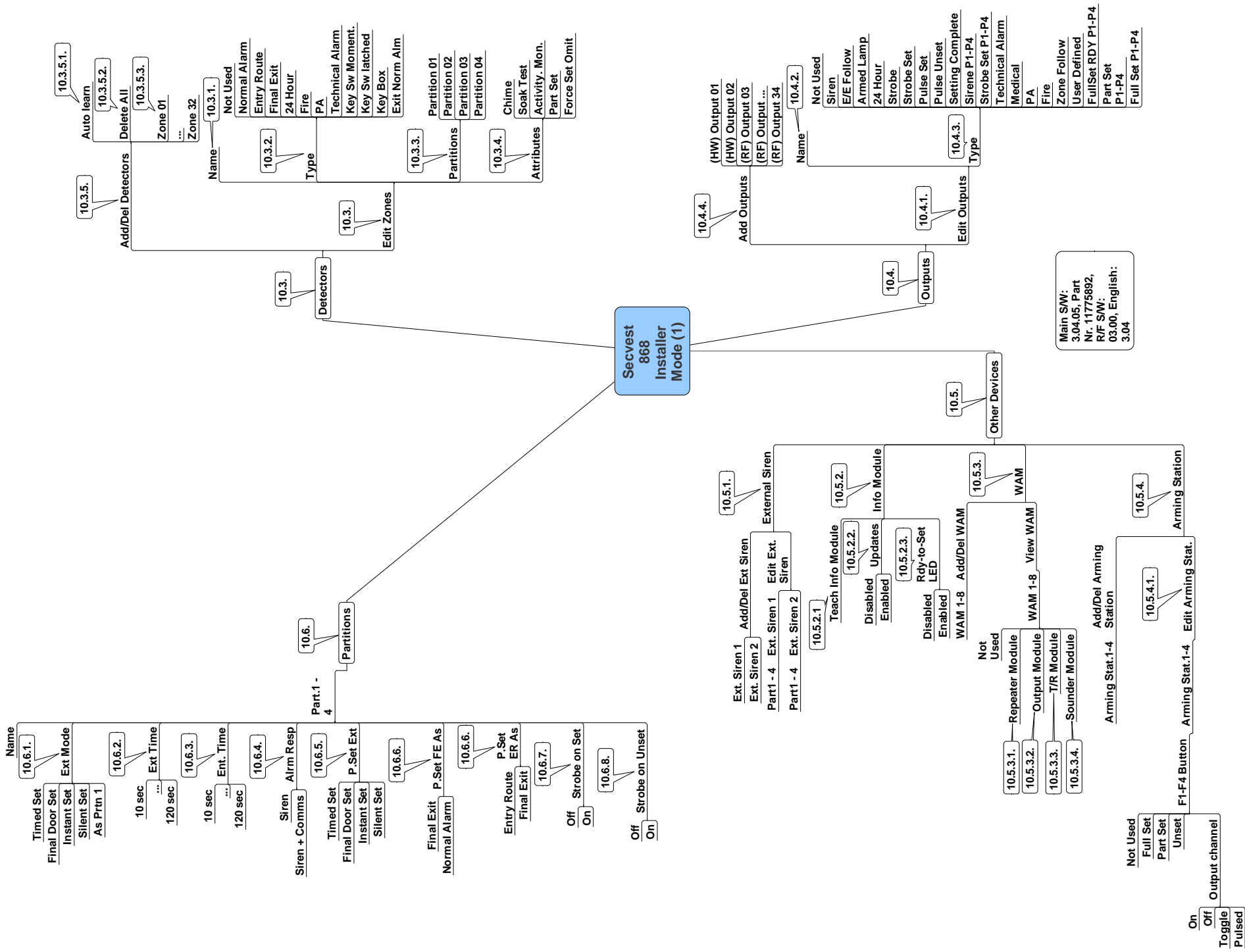
Social Care

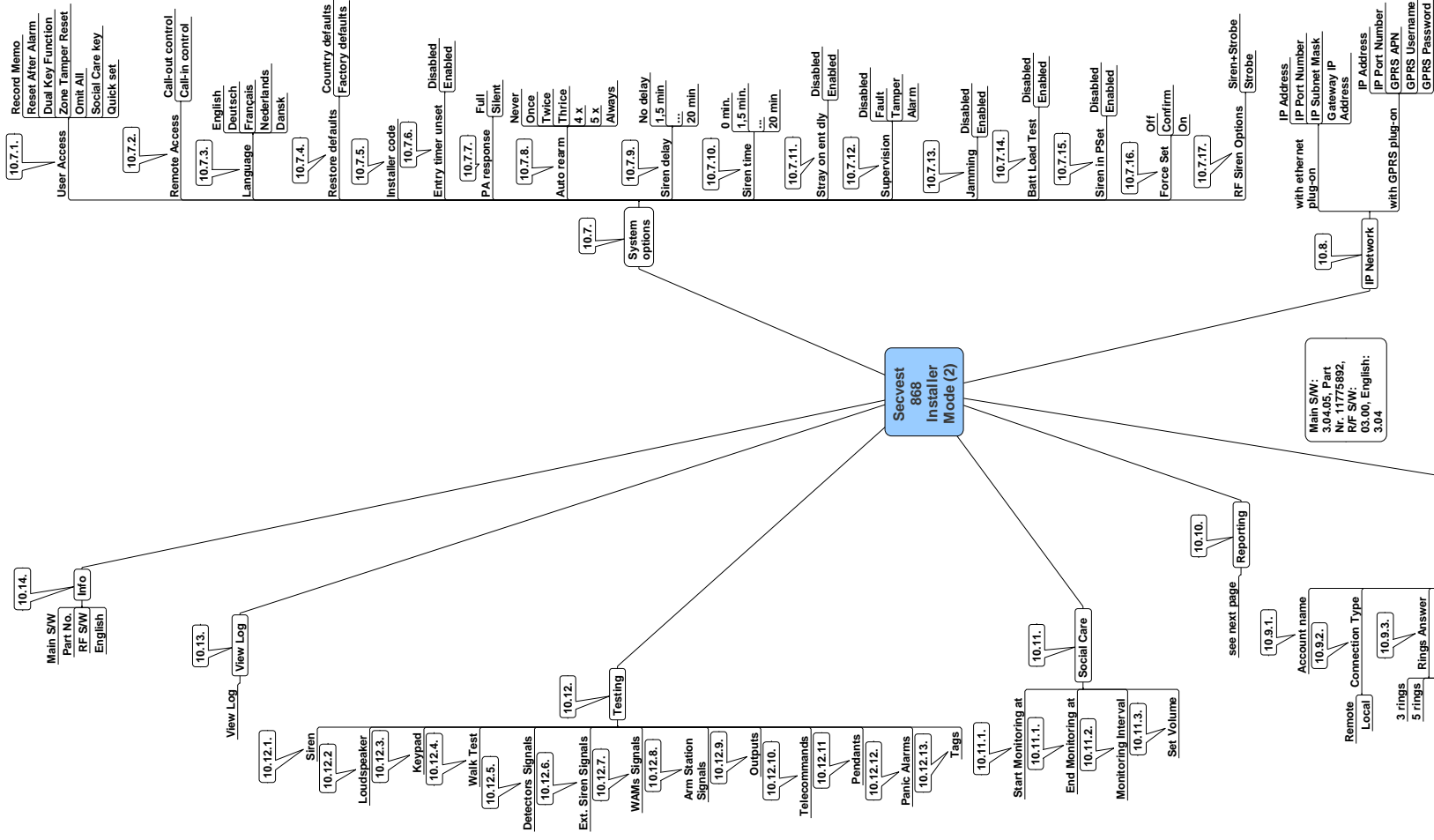
Installer Mode (2)

Reporting

Installer Mode Reporting

Installer Mode (2)





10.14. Main S/W
Part No.
RF S/W
English
Info

10.13. View Log
View Log

10.12.1. Siren
10.12.2. Loudspeaker
10.12.3. Keypad
10.12.4. Walk Test
10.12.5. Detectors Signals
10.12.6. Ext. Siren Signals
10.12.7. WAMs Signals
10.12.8. Arm Station Signals
10.12.9. Outputs
10.12.10. Telecommands
10.12.11. Pendants
10.12.12. Panic Alarms
10.12.13. Tags

10.12. Testing
10.11.1. Start Monitoring at
10.11.2. End Monitoring at
10.11.3. Monitoring Interval
Set Volume

10.11. Social Care
10.11.1. Start Monitoring at
10.11.2. End Monitoring at
10.11.3. Monitoring Interval
Set Volume

10.10. Reporting
see next page

10.9. Downloading
10.9.1. Account name
10.9.2. Connection Type
Local
Remote
3 rings
5 rings
...
255 rings
10.9.3. Rings Answer
Disabled
Enabled
Answer on 1 ring
10.9.4. Access Mode
Call out only
Secure Callback
Unattended
10.9.5. Phone Book
Tel No 1 <name>
Tel No 2 <name>
10.9.6. IP Network
IP Address
IP Port Number
Disabled
Enabled
Secure Callback
10.9.7. Modem Baud Rate
Auto
3000

10.8. IP Network
Main S/W: 3.04.05, Part No.: 7757892, RF S/W: 03.00, English: 3.04

10.7. System options
10.7.1. User Access
Record Memo
Reset After Alarm
Dual Key Function
Zone Tamper Reset
Omit All
Social Care Key
Quick set
10.7.2. Remote Access
Call-out control
Call-in control
10.7.3. Language
English
Deutsch
Francais
Nederlands
Dansk
10.7.4. Restore defaults
Country defaults
Factory defaults
10.7.5. Installer code
10.7.6. Entry liner unset
Disabled
Enabled
10.7.7. P.A response
Full
Silent
10.7.8. Auto rearm
Never
Once
Twice
Thrice
4 x
5 x
Always
10.7.9. Siren delay
No delay
1.5 min.
...
20 min.
10.7.10. Siren time
0 min.
1.5 min.
20 min.
10.7.11. Stray on ent dly
Disabled
Enabled
10.7.12. Supervision
Disabled
Fault
Tamper
Alarm
10.7.13. Jamming
Disabled
Enabled
10.7.14. Batt Load Test
Disabled
Enabled
10.7.15. Siren in PSet
Disabled
Enabled
10.7.16. Force Set
Off
Confirm
On
10.7.17. RF Siren Options
Siren+Strobe
Strobe
with ethernet plug-on
IP Address
IP Port Number
IP Subnet Mask
Gateway IP Address
with GPRS plug-on
IP Address
IP Port Number
GPRS APN
GPRS Username
GPRS Password

Wir / We

Security-Center GmbH & Co.KG
ABUS Group
Linker Kreuthweg 5
D-86444 Affing / OT Mühlhausen

erklären hiermit, dass das Produkt / herewith declares that the product

Typ / Type:

Funkalarmzentrale Secvest 868

Auch benannt /also named:

DFU5002, DFU5004, DFU5006, DFU5000

Artikel-Nr. / Article No.:

FU5000, FU5002, FU5004, FU5006,

konform ist mit den Anforderungen und einschlägigen Bestimmungen der

- **Richtlinie 1999/5/EC** des Europäischen Parlaments vom 9. März 1999. Das in Artikel 10 (4) genannte und im Anhang III der Richtlinie beschriebene Verfahren zur Bewertung der Konformität ist eingehalten worden.

complies with the requirements and the provisions of the

- **Directive 1999/5/EC** of the European Parliament and of the council of 9 march 1999 on Radio equipment and Telecommunications Terminal Equipment and the mutual recognition of their conformity and Annex III (Conformity Assessment procedure referred to in article 10 (4)).

Weiterhin erklären wir, dass Teile aus folgenden Normen und Standards zur Anwendung gelangten:

And furthermore declares that the following parts of standards and documents have been applied:

EN 300 220-3 : 2000

EN 300 330-2 : 2001

EN 300 489-1&3 : 2002

EN 50130-4 : 1995 +A1 : 1998 + A2 : 2003

EN 50131-5-3 : 2004

TBR21 : 1998, EG201-121 : 2000

Darüber hinaus wird die LVD erreicht:

Furthermore the LVD is fulfilled:

EN60950-1 : 2001

Ort und Datum der Ausstellung

Place and date of issue

Affing, 01.01.2007

Name, Funktion und Unterschrift des Befugten
Name, function and signature of authorised person



Andreas Kupka, Managing Director