

Secvest 2WAY



INSTALLATION INSTRUCTIONS

Preface

Dear customers,

Many thanks for your purchase of the SECVEST 2WAY wireless alarm centre. This device is built according to state-of-the-art technology.

It complies with current domestic and European regulations. Conformity has been proven, and all related certifications are available from the manufacturer on request (www.abus-sc.com).

To ensure safe operation, it is your obligation to observe these installation instructions!

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

Everything possible has been done to ensure that the contents of these instructions are correct.

However, neither the author nor ABUS Security-Center GmbH & Co. KG can be held liable for loss or damages caused directly or indirectly by these instructions, whether real or alleged.

We reserve the right to make changes to these instructions without prior notice.

Introduction

This wireless alarm centre is used to secure your property in combination with detectors and transmitters. Among others, it can be used to protect your company premises, house, garage, summer house or weekend cottage.

The alarm centre registers unauthorised break-ins by switching outputs that can be connected to visual, acoustic or silent alarm transmitters.

The alarm centre contacts and connected components must be kept free of moisture (bathrooms and similar surroundings must 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-circuits, fire, electric shock etc. are also possible. The PSU is designed for operation with a 230 V AC / 50 Hz mains power supply. 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.

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1. Example: Securing a single-family house

This example can be used for better understanding of house security

Planning

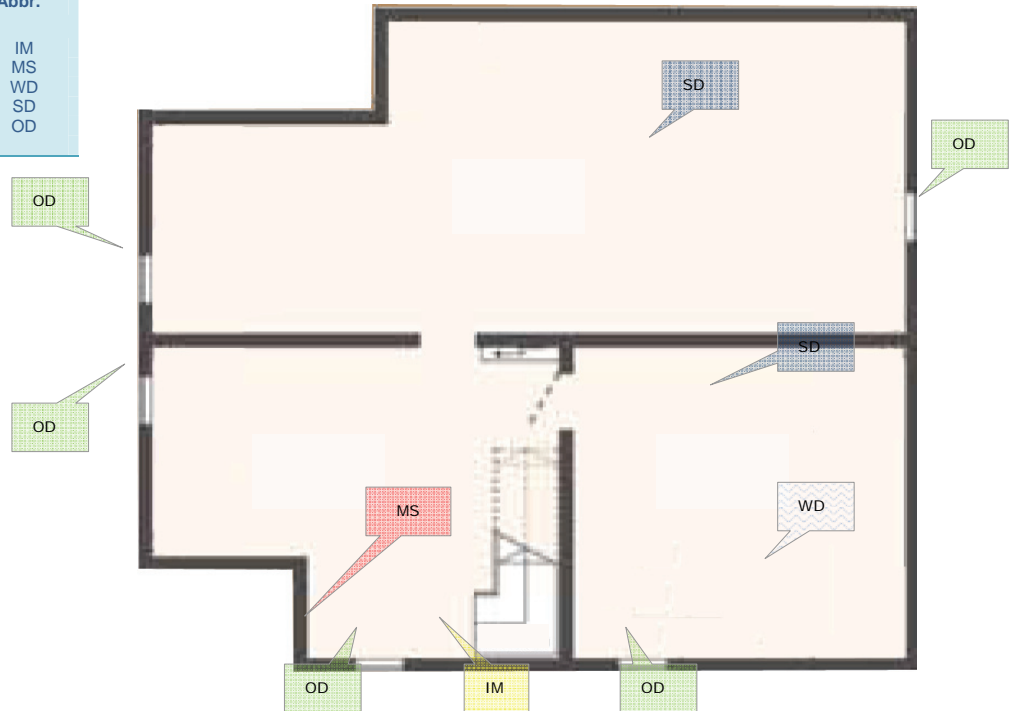
- To protect your house so that you can still move around whilst the system is activated (external perimeter protection)
- To have a status display on each floor
- To establish social care for persons in need of help
- To activate / deactivate the system by remote control and a key switch
- To arm the system completely when leaving the house (external active)



External security	Internal security	Alarm
Window	Motion	Internal siren
External doors	Smoke	External siren
Garage doors	Water	Strobe
		Telephone

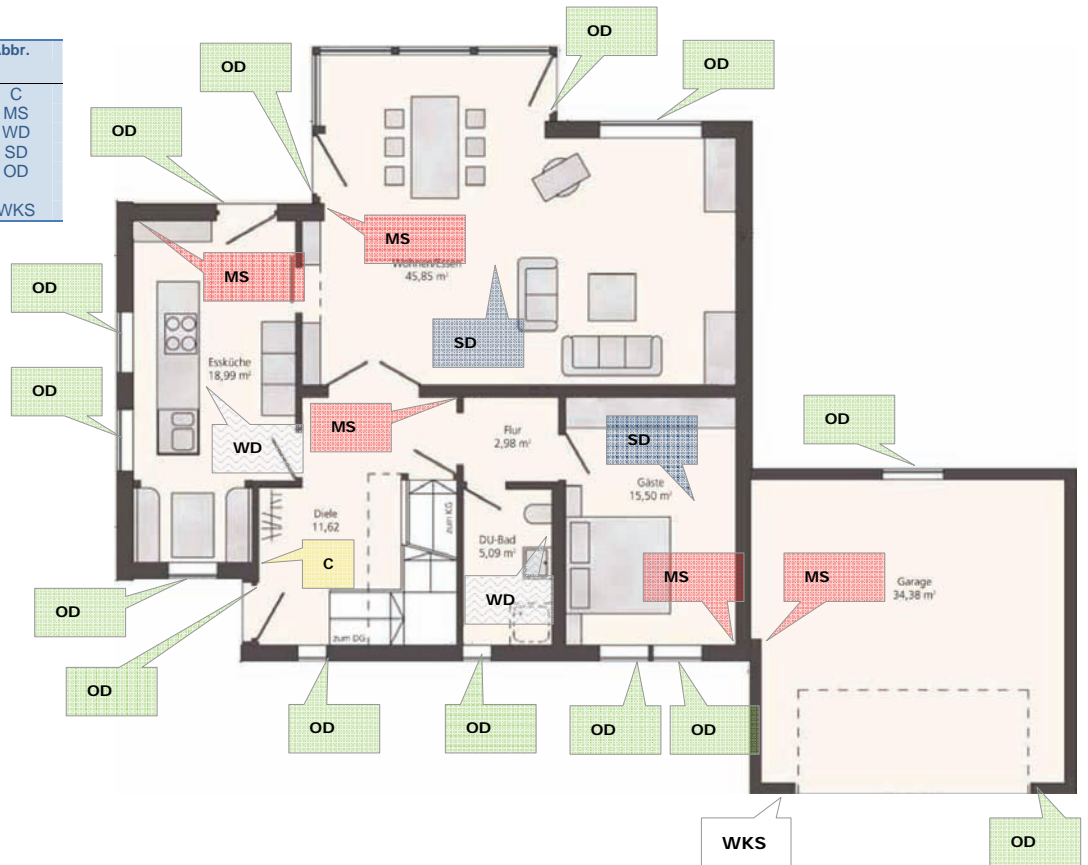
1.1 Cellar installation

Number	Installed components Cellar	Abbr.
1	Info module	IM
1	Motion sensor	MS
1	Water detector	WD
3	Smoke detector	SD
5	Opening detector	OD
5	Glass breakage detector	OD



1.2 Ground floor installation

No.	Installed components Ground floor	Abbr.
1	Secvest 2WAY	C
5	Motion sensor	MS
1	Water detector	WD
3	Smoke detector	SD
14	Opening detector - with	OD
16	Glass breakage detector	OD
1	Wireless key switch	WKS



1.3 Top floor installation

No.	Installed components Top floor	Abbr.
1	Control panel	CP
1	Internal siren	IS
3	Wireless motion sensor	WLMS
3	Wired motion sensor	WMS
1	Water detector	WD
4	Smoke detector	SD
6	Opening detector	OD
9	Glass breakage detector	
4	Wired opening detector	WOD
4	Info module	IM
1	External siren	ES



1.4 Number of components

No.	Installed components	Abbr.
Cellar		
1	Info module	IM
1	Motion sensor	MS
1	Water detector	WD
3	Smoke detector	SD
5	Opening detector	OD
5	Glass breakage detector	

No.	Installed components	Abbr.
Ground floor		
1	Secvest 2WAY	C
5	Motion sensor	MS
1	Water detector	WD
3	Smoke detector	SD
14	Opening detector - with	OD
16	Glass breakage detector	
1	Wireless key switch	WKS

No.	Installed components	Abbr.
Top floor		
1	Control panel	CP
1	Internal siren	IS
3	Wireless motion sensor	WLMS
3	Wired motion sensor	WMS
1	Water detector	WD
4	Smoke detector	SD
6	Opening detector	OD
9	Glass breakage detector	
4	Wired opening detector	WOD
4	Info module	IM
1	External siren	ES

No.	Installed components	Abbr.
Total		
1	Control panel	CP
8	Info module	IM
1	Secvest 2WAY	C
1	Wireless key switch	WKS
1	External siren	ES
1	Internal siren	IS
9	Motion sensor	WLMS
5	Wired motion sensor	WMS
4	Water detector	WD
10	Smoke detector	SD
25	Opening detector	OD
3	Wired opening detector	KB
30	Glass breakage detector	



Secvest 2WAY



Info module



Arming station



External wireless siren



Opening detector



Wired opening detector



Glassbreakage detector



Smoke detector



Motion sensor



Wired motion sensor



Water detector



Power adapter



Key switch with status display

1.5 Detector list

Create a detector list for the 50 zones after making your initial planning

Zone no.	Zone name	Location	Position	Components	Type	Partition	Property	Special feature
1	SD1-CE-HR	Cellar / heating room		Smoke detector	Fire	1	None	
2	SD2-CE-AN	Cellar / anteroom		Smoke detector	Fire	1	None	
3	SD3-CE-HO	Cellar / hobby room		Smoke detector	Fire	1	None	
4	OD1-CE-HR	Cellar / heating room		Opening detector	Instant set	1	None	
5	OD2-CE-AN	Cellar / anteroom	West window	Opening detector	Instant set	1	None	
6	OD3-CE-AN	Cellar / anteroom	South window	Opening detector	Instant set	1	None	
7	OD4-CE-HO	Cellar / hobby room	West window	Opening detector	Instant set	1	None	
8	OD5-CE-HO	Cellar / hobby room	East window	Opening detector	Instant set	1	None	
9	MS1-CE-AN	Cellar / anteroom		Motion sensor	Instant set	1	None	
10	WD1-CE-HR	Cellar / heating room		Water detector	Instant set	1	None	
11	SD4-GF-LI	Ground floor / living or dining room		Smoke detector	Fire	2	None	
12	SD5-GF-HA	Ground floor / hall		Smoke detector	Fire	2	None	
13	SD6-GF-GR	Ground floor / guest room		Smoke detector	Fire	2	None	
14	OD6-GF-LI	Ground floor / living or dining room	North window	Opening detector	Instant set	2	None	
15	OD7-GF-LI	Ground floor / living or dining room	East patio door	Opening detector	Instant set	2	None	
16	OD8-GF-LI	Ground floor / living or dining room	West patio door	Opening detector	Instant set	2	None	
17	OD9-GF-KI	Ground floor / kitchen	North patio door	Opening detector	Instant set	2	None	
18	OD10-GF-KI	Ground floor / kitchen	East window right	Opening detector	Instant set	2	None	
19	OD11-GF-KI	Ground floor / kitchen	East window left	Opening detector	Instant set	2	None	
20	OD12-GF-KI	Ground floor / kitchen	South window	Opening detector	Instant set	2	None	
21	OD13-GF-HA	Ground floor / hall	House door	Opening detector	Instant set	2	None	
22	OD14-GF-HA	Ground floor / hall	Window	Opening detector	Instant set	2	None	
23	OD15-GF-SH	Ground floor / shower	Window	Opening detector	Instant set	2	None	
24	OD16-GF-GR	Ground floor / guest room	Left window	Opening detector	Instant set	2	None	
25	OD17-GF-GR	Ground floor / guest room	Right window	Opening detector	Instant set	2	None	
26	MS2-GF-LI	Ground floor / living or dining room		Motion sensor	Instant set	2	None	
27	MS3-GF-KI	Ground floor / kitchen		Motion sensor	Instant set	2	None	
28	MS4-GF-HA	Ground floor / hall		Motion sensor	Instant set	2	None	
29	MS5-GF-GR	Ground floor / guest room		Motion sensor	Instant set	2	None	
30	WD2-GF-KI	Ground floor / kitchen		Water detector	Instant set	2	None	
31	WD3-GF-SH	Ground floor / shower		Water detector	Instant set	2	None	
32	OD18-GF-GA	Ground floor / garage	Window	Opening detector	Instant set	3	None	
33	OD19-GF-GA	Ground floor / garage	Garage doors	Opening detector	Instant set	3	None	
34	MS6-GF-GA	Ground floor / garage		Motion sensor	Instant set	3	None	
35	SD7-TF-N1	Top floor / nursery 1		Smoke detector	Fire	4	None	
36	SD8-TF-BR	Top floor / bedroom		Smoke detector	Fire	4	None	
37	SD9-TF-ST	Top floor / study		Smoke detector	Fire	4	None	
38	SD10-TF-N2	Top floor / nursery 2		Smoke detector	Fire	4	None	
39	OD20-TF-BA	Top floor / bathroom		Instant set	Instant set	4	None	
40	OD21-TF-BR	Top floor / bedroom		Instant set	Instant set	4	None	
41	OD22-TF-DR	Top floor / dressing room		Instant set	Instant set	4	None	
42	OD23-TF-BG	Top floor / balcony / gazebo		Instant set	Instant set	4	None	Transmitter for wired opening detector
43	OD24-TF-BA	Top floor / balcony		Instant set	Instant set	4	None	
44	OD25-TF-TM	Top floor / transmitter / motion		Instant set	Instant set	4	None	Transmitter for wired motion sensors for dressing rooms, bathrooms and studies
45	MS7-TF-BR	Top floor / bedroom		Instant set	Instant set	4	None	
46	MS8-TF-N1	Top floor / nursery 1		Instant set	Instant set	4	None	
47	MS9-TF-N2	Top floor / nursery 2		Instant set	Instant set	4	None	
48	WD4-TF-BA	Top floor / bathroom		Instant set	Instant set	4	None	
49								Wired zones on alarm centre
50								Wired zones on alarm centre

2. Installing the system

The following pages describe basic system programming.
A step-by-step guide of the most important aspects on the Secvest 2WAY system is presented.



Attach the Secvest 2WAY alarm centre.



The alarm centre may only be installed by qualified specialists.
The device is designed for indoor use only.
The PSU is connected to the 230 V ~ 50 Hz domestic mains network over a separate, electrically protected line.
Connecting the system to the 230 V AC ~ 50 Hz mains network is subject to national regulations. Check that no voltage is present in the connection cable when fitting. Connect the 230 V power supply to the mains connector according to EN60950-1 as shown in the diagram. Remember to fix the cable in the cable clamp to relieve tension on the cable.

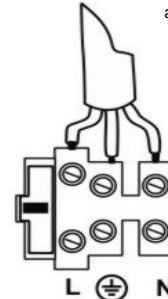


Always replace the mains fuse with one of the same type. Never use fuses with higher voltage ratings than those specified.
The green/yellow (earth) wire should be slightly longer than the live and neutral wires.

2.1 230 V ~ 50 Hz mains connection

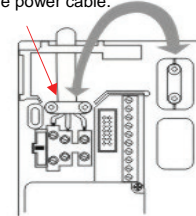


230 Volt ~ 50 Hz




230V ~50Hz 200mA
T 400mA 250V

Detach the cable relief points and secure the power cable.



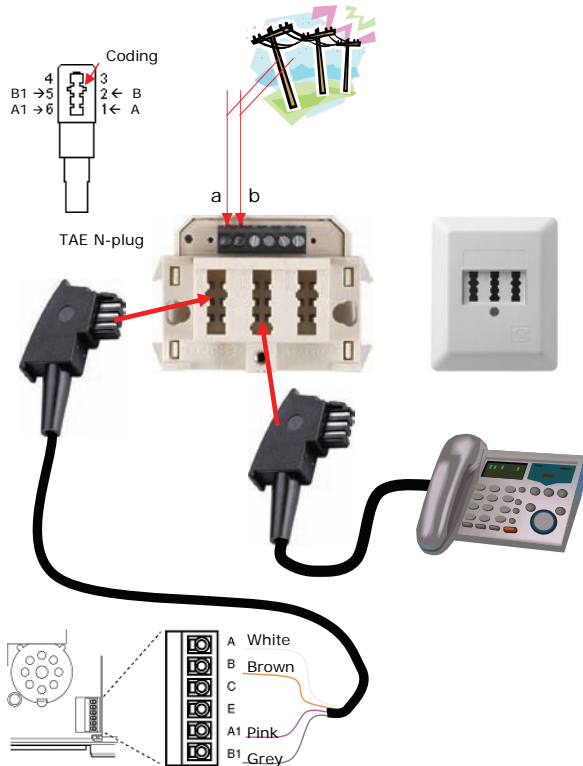
Colour configuration of the lines:

- L Brown or black
-  Green/yellow
- N Blue



2.2 PSTN telephone connection

The alarm centre is connected to the telephone connection as follows.



PSTN connection on Secvest 2WAY

3. Training the detectors

Call up the installer menu.

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

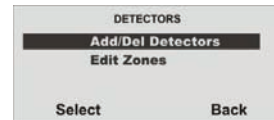
It may also be necessary to enter the administrator code **1234** (default).



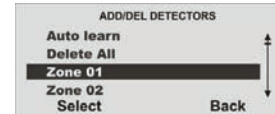
"You are now in the installer menu"



- Select the Detectors menu item.



- Select Add/Del Detectors.

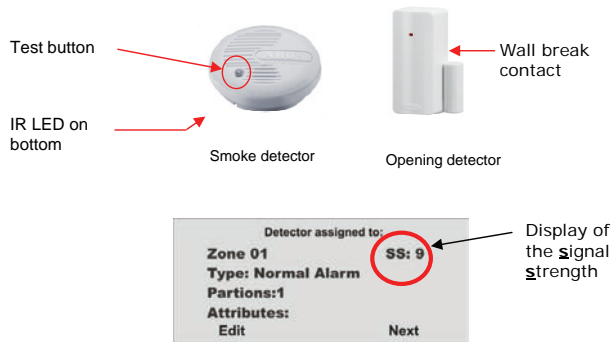


- Select Zone 01.



- You will now be prompted to activate the **Tamper contact**.

When using the smoke detector, press the test button and hold it until the alarm sounds (about 10 seconds). Press the wall break contact on the opening detector. The Secvest display confirms successful training by showing the display: Detector assigned to:



➤ Now edit Zone 01.

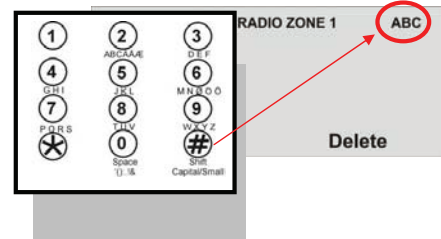
3.1 Assigning the zone name

Use the created detector list for this purpose.

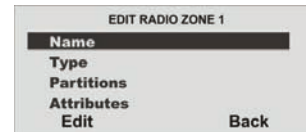
Detector list

Zone No	Detector	Partitions	Attributes	Signal Strength	Alarm Status	Alarm Sound	Alarm Light	Alarm Time	Alarm Date	Alarm Location	Alarm Description
1
2
3
4
5
6
7
8
9
10
11
12
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Enter letters and characters via the keypad. Letter-to-key assignment:



The letters and characters can be selected by pressing the keys several times. The cursor goes to the next position after around two seconds.



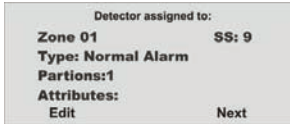
Select the Name menu item.



Delete the existing name (Zone 01) and assign a unique name for the zone (max. 12 characters).

Example: SD for a smoke detector, then the number, location (e.g. CE for the cellar) and the room (e.g. HR for the heating room). Detector name: SD1-CE-HR
 Now train the detector at the furthest possible distance for the range test.

3.2 Checking the detector range



End training by pressing **Next** and going **Back** to the main menu. Go to **Installer Menu** → **Test** → **Walk Test** and carry out a walk test by triggering an alarm message (A).

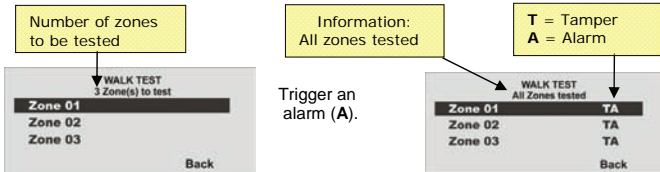
As smoke detectors do not have a tamper contact, only the alarm is displayed (A). The display with the number of tested zones without tamper contacts remains. On detectors with tamper switches, the tamper message is displayed (T), then the alarm display (A) when the detector is triggered.



Select Test



Select Walk Test



“A” is shown next to the trained smoke detectors. “T” is displayed next to detectors with tamper contacts.

Go to the floor where installation is to be made and trigger the previously trained detectors.

“A” should be shown next to every zone.

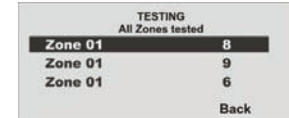
3.3 Checking the signal strength of the detector

The detector signal strength test is made in the same way as the walk test. The displayed signal strength corresponds to the reception strength of the **last received signal** on this detector.

The signal strength must be **higher than 3** for satisfactory wireless communication. If the detector signal is too weak, use a **repeater (accessory module)** to ensure good wireless communication.



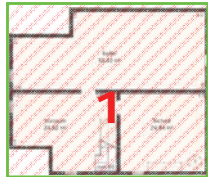
Select the **Detector Signals** menu item.



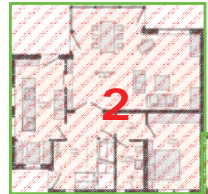
The signal strength is displayed next to the tested zone. The signal strength display is automatically updated every 5 minutes.

3.4 Installing and training the info module

The example shows a house in four partitions. The status of each partition should be displayed on each floor. Each partition can be activated or deactivated separately. Therefore, an info module must be installed for each partition. Please note that the info modules require a 12 V power supply.



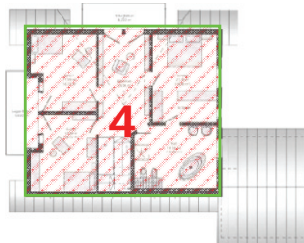
Partition 1 (cellar)



Partition 2 (ground floor)



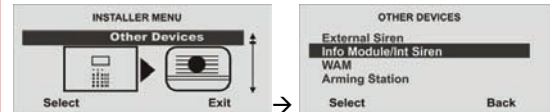
Partition 3 (garage)



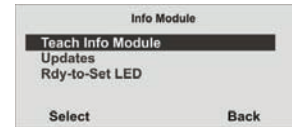
Partition 4 (top floor)

Train the alarm centre to the info module.

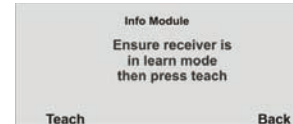
In the installer menu:



Select the Info Module/int Siren menu item.



Select the Teach Device menu item.



Set the info module / internal siren to learning mode.

See the product instructions for more details.

After switching to learning mode, activate the transmission of wireless information from the centre by pressing **SEND**. Ensure that each of the info modules is assigned to the partition using the jumpers.



Info module

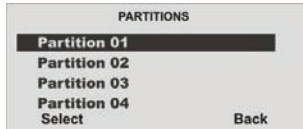
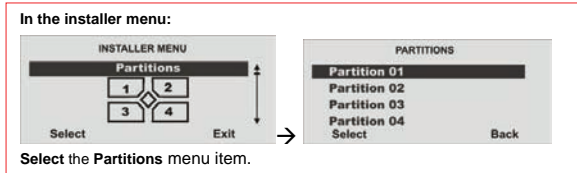
- P1 = Partition 1 → (cellar)
- P2 = Partition 2 → (ground floor)
- P3 = Partition 3 → (garage)
- P4 = Partition 4 → (top floor)

If the receiver beeps twice, the learn message was correctly received. End the learning procedure by pressing **Yes**. Cancel the process by pressing **No**. The learning procedure now starts again.

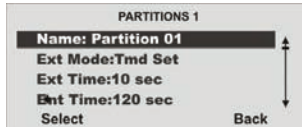
No further settings have to be made on the info module or internal siren. Even in the event of power outage, the info module or internal siren retains the wireless information of the alarm centre.

3.5 Accessing the alarm centre

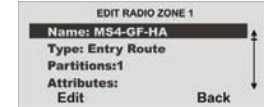
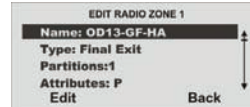
In order to not trigger an alarm when leaving (Ext Time) or entering (Ent Time) the area, a delay time must be defined for accessing the centre in **Partition 01**. Access the installer menu and set the exit or entry delay under the "Partitions" menu item.



Select Partions 01.

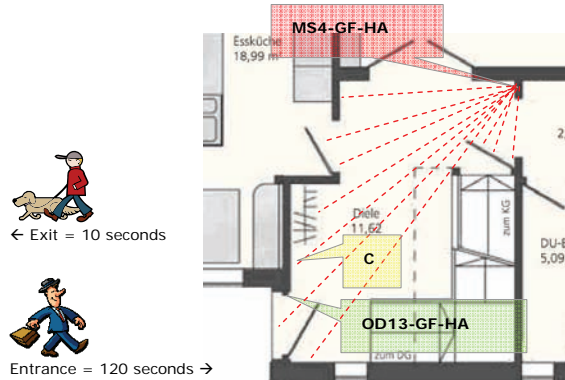


Select the "Name" menu item, then enter a new name for the partition: **Ground floor**
 Select the type: **Time**
 Set **10 seconds** for the exit delay time and **120 seconds** for the entry delay time.



In our example, the ground floor (**Partition 01**) is set as follows: Opening detector **OD13-GF-HA** Type: **Final Exit**
 Motion sensor **MS4-GF-HA** Type: **Entry Route**

When the house is exited, the system is activated within **10 seconds**.
 When returning to the house, you have **120 seconds** to disable the system.



You must deactivate the system within 120 seconds and may not enter any other areas where the detectors are not set to **Entry Route**.

3.6 Internal alarm active (Prt Set All)

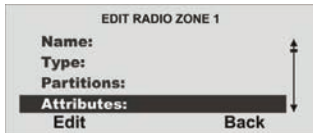
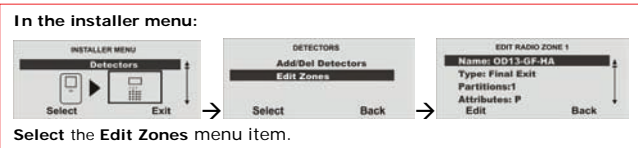


This setting is used when the inside of the house should be accessed freely whilst being protected against break-ins from the outside. The detectors must be configured so that **external surveillance** is created.

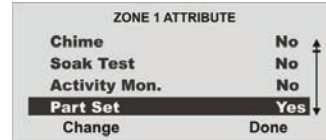


Set the detector for external surveillance to "Part Set". The alarm centre then only reacts to detectors with the **Part Set** setting.

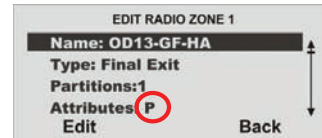
Call up the installer menu:



Select the **Attributes** menu item.



Change **Part Set** to **Yes**.



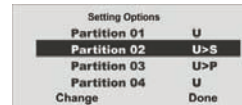
The **Part Set** setting is displayed with **I**.

When activation is made, you also have the possibility of **Part Set All** in addition to **Full Set All**.



If more than one partition is assigned to the user, then this user can also select the partitions.

The user can activate the partitions, activate them internally and deactivate them.



U = Deactivated
S = Activated
P = Internally activated
U>P means that the partition status has been changed from Deactivated to Internally activated.



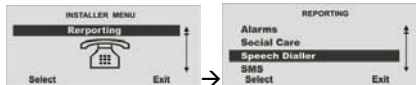
The system shows the partition status at the top-right of the display. A letter is only shown in the partition (bar), when at least one detector is present in this partition.

3.7 Forwarding alarm messages over the telephone (speech dialler)



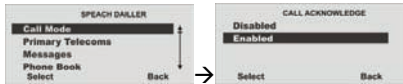
This setting is used for informing the user over the telephone.
Call up the installer menu and select the "Reporting" menu item.

In the installer menu:



Select the **Speech Dialler** menu item.

In the speech dialler menu:



Select the **Enabled** menu item.

Select the installed telephone connection (PSTN) on the Secvest.

In the speech dialler menu:



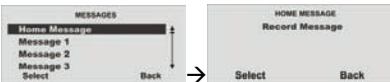
Select the **PSTN** menu item.

In the speech dialler menu:



Select the **Home Message** menu item.

In the messages menu:



Start recording by pressing **Select**.



Installed microphone

The recording should contain the following information:



Who is calling:
"Break-in on detector system of Smith family"

Location:
"Sample Street 1 in Sampletown"

This announcement (max. 12 seconds) is made before every other message (1 - 4).

In the home messages menu:



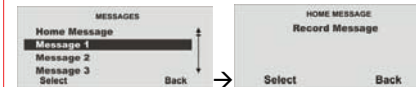
Play the recorded message by pressing **Select**.

Dictate message 1 - 4 (maximum 8 seconds).



Example: Message 1: **"Fire"**
Message 2: **"Burglary"**
Message 3: **"Water"**
Message 4: **"Social care"**

In the messages menu:



Select the **Message 1** menu item.

Enter a maximum of four names and numbers in the telephone book who are to be called when an event occurs.

The call sequence starts with number 01, then number 02 up to the "Follow me" number.

In the speech dialler menu:



Select the **Telephone Number 01** menu item.

A dial pause of three seconds can be entered using the "*" key.

Please note that the last telephone number is designated as the **Follow me** number. The wireless centre shows this number in the user menu. A user can change this number in the system user menu. This allows the user to forward all voice messages programmed for this field.

In the phone book (speech dialler) menu:



Enter the first phone number and name and confirm each by pressing **OK**.

Allocate a trigger to a message.
Up to five triggers can be allocated to a message.

In the speech dialler menu:



Select the **Trigger 1** menu item.

Trigger	Triggered by
None	Triggers do not trigger messages
Fire	Smoke detector
Panic	Panic transmitter
Medical	Emergency call transmitter, pendants
Burglary	Opening, motion, glass breakage and vibration detector
Soak Test Fail	Detector in test or monitoring mode
Technical	Water detector
Social Care	Pendants
Social Inactive	Room monitoring alarm when no movement is detected
Mains Error	Power outage
Tamper	Tamper

Trigger list

Enter the destination in case of a trigger.

In the speech dialler menu:



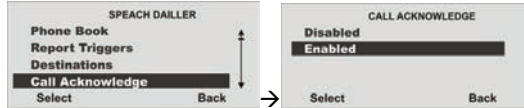
Select the **Destination** for **Message 1**.



This message is announced four times.

3.8 Informing other persons

In the speech dialler menu:



Select the **Enabled** menu item.



When the called party answers a call from the speech dialler, they can end the call by sending back a DTMF “5”.

When the “Call Acknowledge” function is **activated**, the wireless centre **ends** the call to **this number** when it has received a **DTMF “5”**. When the centre does not receive a DTMF “5”, then it attempts to make a further call (up to three times).

When the “Call Acknowledge” function is **deactivated**, the wireless centre **ends** further call attempts to **this number** as soon as it determines that a **call is answered** (i.e. when the **receiver has answered**). The called party can use DTMF “5” to end the call.

Please note that the wireless centre now calls **all other programmed numbers** on the voice dialler **after receiving a DTMF “5”**.

To **prevent** calls to other programmed numbers on the voice dialler, the called party can confirm a call by sending back a **DTMF “9”**. The wireless centre stops all further call attempts after receiving the “9” signal.

3.9 Signaller



To prevent manipulation of the siren, it should be attached out of arm’s reach (at least 3 metres from the ground). Please also take local legislations into account. In some European countries, the use of external sirens is forbidden or the maximum alarm duration is restricted. Contact your local authorities for more information in case of doubt.

In the installer menu:



Select **Ext Siren**.

In the EXT SIRENS menu:



Select **Ext Siren 1**.



Trigger the tamper contact of the siren.


When the sirens have been trained, the alarm centre beeps twice as confirmation.

A message is displayed with the siren confirmation and the signal strength value.



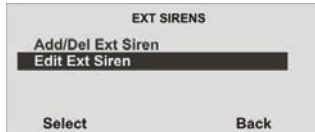
Leave this display by pressing **Back**.



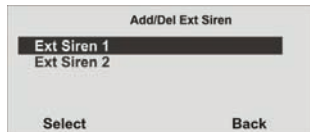
If a siren has been trained, then the  symbol is shown next to the siren number.



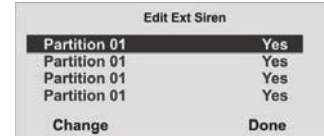
Leave this display by pressing **Back**.



Select "Edit Ext Siren".



Select the trained **Ext Siren**.



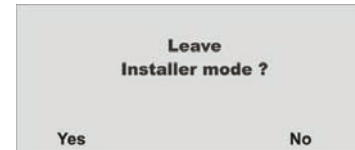
If the external siren should be activated when the relevant partition triggers a local or external alarm, then the partition must be set to **Yes**.

3.10 Configure a user

Up to 50 users can be configured.

User 01 is always the administrator and cannot be deleted.

Leave the installer menu:

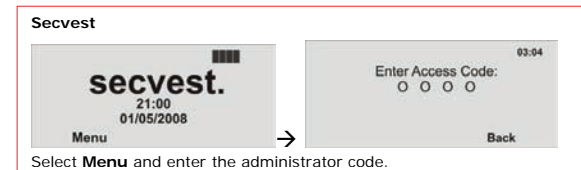


Confirm by pressing **Yes**.

When **exiting** the installer menu, the following announcement is played:

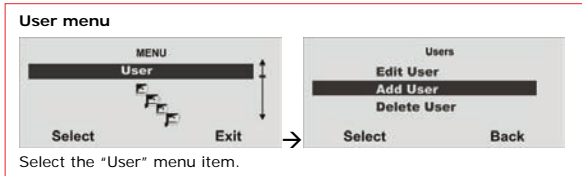


"You have exited the installer menu"



Select **Menu** and enter the administrator code.

Access the user menu by entering the administrator code **1234** (default). You are now in the user menu (administrator).

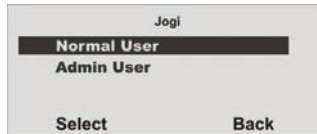


You have a guest that may only access the ground floor.

Enter a user name.

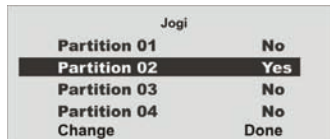


Confirm with OK.

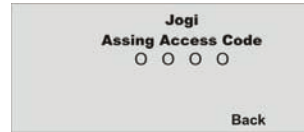


Select the **Normal User** user status.

Allocate the relevant access rights to the user (e.g. for the ground floor partition only).



Change the authorisation to **No** or **Yes** and confirm by pressing **Done**.



Now enter an access code for your guest.



Confirm the access code by repeating it.

You now have the possibility of training diverse components for activation.



If you do not wish to train chip keys (tags), then confirm by pressing **No Tags...**





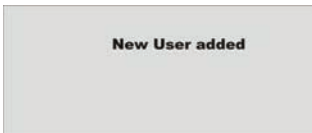
If you do not wish to train telecommands (remote control), then confirm by pressing **No Telecommands....**



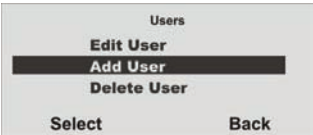
If you do not wish to train social care, then confirm by pressing **No Social...**



If you do not wish to train panic transmitters, then confirm by pressing **No PA...**
The user is added with this display.



Further users can now be added.



4. Scope of delivery



Secvest 4 wireless alarm centre



Downloader CD



Installation instructions



Chip key (tag)



Operating instructions



Keyring



6 x NiMH R6 AA
rechargeable
batteries
1.2 V / 2000 mAh



3 x wall plugs
3 x screws
(wall fixation)



8 x hole adapters



2 x 4.7 kΩ



2 x 2.2 kΩ



2 x housing screws



2 x screws
(tension relief)

5. Accessories (not included in scope of delivery)

5.1 Detector



Motion sensor
FU8350



Opening detector
FU8320 (CC)
FU8321 (FSL)



Seismic sensor
FU8380



Glass breakage detector
FU8370



Smoke detector
FU8340



Alarm detector
FU8300



Fire alarm
FU8310

5.2 Wired detector



MK1010W
MK1300W with WKS



FU7300

5.3 Remote controls



Arming station
FU8110
FU8360 (PET)



Chip key (tag)
AZ5501



Remote control
FU8100



Wireless cylinder
FU59xx



**Key switch with
status display**
FU8165

5.4 Transmitter



**Emergency call
transmitter (pendant)**
FU8390



Panic transmitter
FU8305

5.5 Communication modules



ISDN module
FU8020



GSM module
FU8010



IP module
FU8030

5.6 Modules and external sirens



Info module
FU8200



Accessory module
FU8210



Wireless external siren
FU8220

5.7 Accessories



**6 V standby
rechargeable battery
for the accessory
module
FU3821**



**12 V / 1 A PSU
FU3822**



**12 V / 1 A built-in PSU
for 55 mm
UP switch boxes
TVAC35200**

5.8 Wireless testing box



**868 MHz wireless testing
box
FU3801**



**PC cable
FU3810**

6. Safety information



WARNING!

To avoid fire and injury, please note the following:

- Securely fasten the device in a dry location in the building.
- Ensure sufficient ventilation for the alarm centre.
- Do not expose the alarm centre to temperatures under 0 °C or above 50 °C.
- The alarm centre is designed for indoor use only.
- Humidity must not exceed 90% (non-condensed).
- Ensure that no metal objects can be inserted into the equipment from outside.
- Ensure that the power supply is disconnected before carrying out any work on the alarm centre.



Caution!

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

- The alarm centre is supplied with power from the built-in PSU.
- The PSU is connected to the 230 V AC domestic mains network over a separate, electrically protected line.
- Connection work to the domestic mains network is subject to country-specific regulations.
- Emergency standby power is supplied by an internal rechargeable battery.
- The maximum power consumption of the connected components must not exceed 1 A at any time.
- Always replace fuses with ones of the same rating, never higher.



IMPORTANT INFORMATION!

On burglar alarm centres in general:

Improper or careless installation work may lead to misinterpretation of signals and false alarms. The costs resulting from the deployment of emergency services (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.

7. Notes on connection and extension options



The wireless alarm centre is the central part of an electronic security system for protecting your property (e.g. apartment, house, garage, shops etc.). It secures the monitored areas in combination with other components such as wireless detectors and signalers. The alarm is triggered by unauthorised break-in attempts.

The alarm centre can be programmed either via the integrated keypad or using the software (either locally or over remote data transfer). The alarm centre can also be activated via the integrated keypad or via wireless control equipment such as wireless cylinders or keypads.

The wireless alarm centre can transmit an alarm over analogue or digital telephone equipment. The alarm can also be transmitted via the GSM network using the optional GSM module. Alarms can be transmitted digitally to a command centre, via PSTN, ISDN, GSM, ethernet and GPRS or by speech messages to selected recipients (e.g. neighbours).

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

Alarm centre characteristics:

- 48 freely programmable wireless zones, all of which can be programmed as follows: Normal Alarm, Final Exit, Entry Route, 24 Hour, Fire, Panic, Key Sw Moment, Key Sw Latched, Technical or Key Box.
- 2 freely programmable wired alarm zones in the wireless alarm centre that can be programmed in the same way as the wireless zones.
- Separately evaluated tamper and battery monitoring for every wireless zone.
- 4 x arming stations, 16 x wireless remote controls, 16 x social care emergency call transmitters, 8 x accessory modules, 50 x proximity key switches.
- 2 wired relay outputs in the wireless alarm centre and 32 programmable wireless outputs that can be allocated to a specific event (alarm, fire, panic etc.).
- Integrated PSU (230 V AC primary) for alarm centre power supply and recharging the battery.
- Emergency power supply via 6 x 1.2 V NiCd rechargeable batteries (supplied).
- Simple programming and operation via the integrated keypad or software.
- The status of the alarm zones and the alarm centre 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 x alarm and event memory with date and time display.

8. Notes on the security system

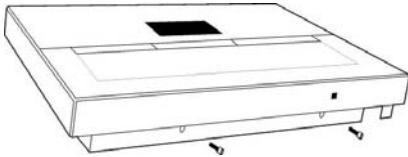
High-frequency emission warning!

The limit value of the emitted high-frequency signals for these components is below the European standard (considered as safe). Nonetheless, the device must be attached so that potential contact with users during normal operation is kept to a minimum. To keep signal emissions to a minimum, users must be more than 200 mm away from the components during normal operation.

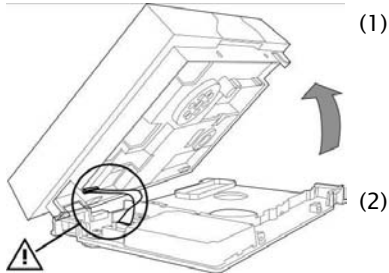
8.1 Opening the alarm centre housing

When installing the alarm centre, follow the sequence listed here.

Firstly, loosen the two housing screws on the bottom of the wireless alarm centre as illustrated.

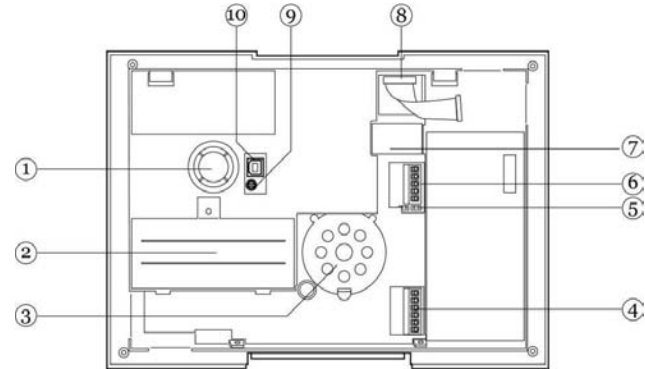


Open the top part (1) of the wireless alarm centre and detach the base plate (2) from the rest of the system. Pay special attention to the cable connections.



8.2 Connections on the top part of the alarm centre

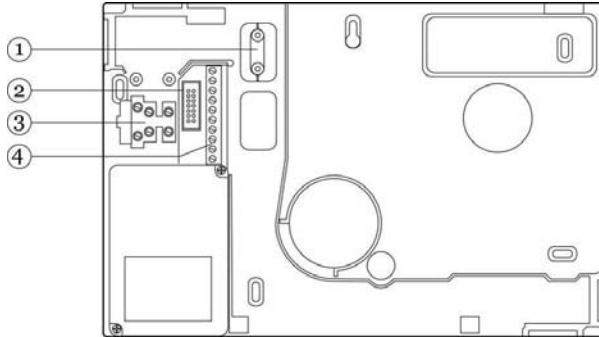
The following diagram shows the connections on the top part of the alarm centre.



Number	Description
1	Internal siren
2	Battery compartment
3	Internal loudspeaker
4	Connection for the analogue telephone line (PSTN)
5	Kickstart and Codes Defaulted jumper (KS + RESET)
6	Connection for external loudspeaker and microphone (separate device)
7	Connection for extension modules (ISDN / GSM / ethernet / GPRS)
8	Connecting cable between base plate and top part
9	Loudspeaker volume control
10	USB port

8.3 Connections on the base plate of the alarm centre

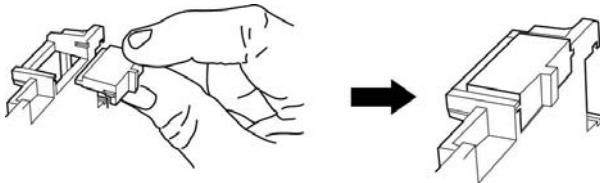
The following diagram shows the connections on the base plate of the alarm centre.



Number	Description
1	Cable clamp (tension relief) for the 230 V AC mains line
2	Connection socket for the connection cable
3	230 V AC mains connection
4	Connection clamps for wired zones and outputs

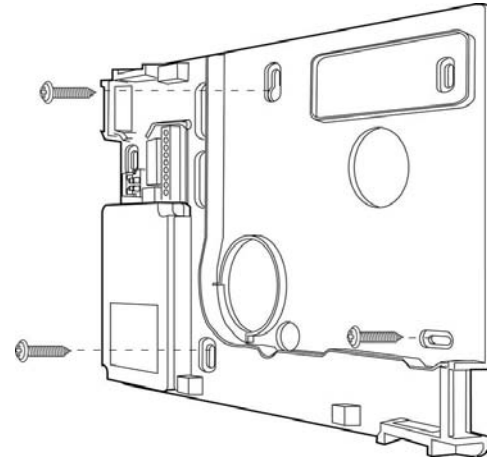
8.4 Shutting off unused cable inputs

Use the hole adapter supplied to close off the cable inputs that are not used. Pay attention to the diagram below:



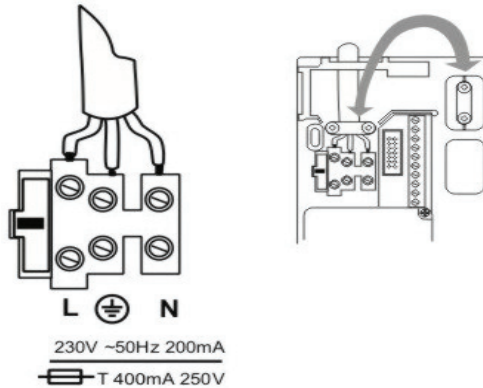
8.5 Assembling the base plate

Fix the base plate to the wall as shown in the diagram. Ensure that the alarm centre is installed so that the rear is not screened by hidden metal. Fix the device at a height where the user can easily read the information on the display.



8.6 Connecting the alarm centre to the 230 V mains supply

Connecting the alarm centre to the 230 V AC mains network is subject to national regulations. Check that no voltage is present in the connection cable when fitting. Connect the 230 V power supply to the mains connector according to EN60950-1 as shown in the diagram. Remember to fix the cable with suitable tension relief.



Colour configuration of the lines:

L : Brown or black

 : Green/yellow

N : Blue



Always replace the mains fuse with one of the same type. Never use fuses with higher voltage ratings than those specified.

The green/yellow (earth) wire should be slightly longer than the live and neutral wires.

8.7 Connecting wired detectors (optional)

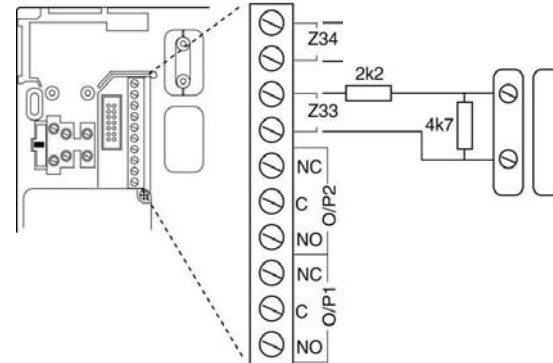
If wired components are connected to the wireless alarm, then connect them as shown in the diagram. Please note that the detectors can only be connected in this way (DEOL).

Zone closed with a 2.2 kOhm line resistance (two resistors inserted). The 4.7 kOhm resistor is also inserted, but is bypassed by the alarm contact of the detector (see illustration).

In this variation, the tamper contact and alarm contact are monitored in one zone. In the event of a change of resistance, the alarm centre can distinguish whether the cause is an alarm or tamper attempt. Note that there are two different resistance values:

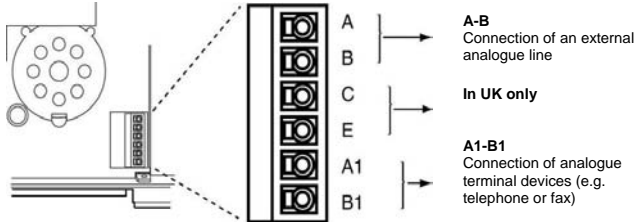
A: 2.2 kOhm (red, red, red, gold)

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



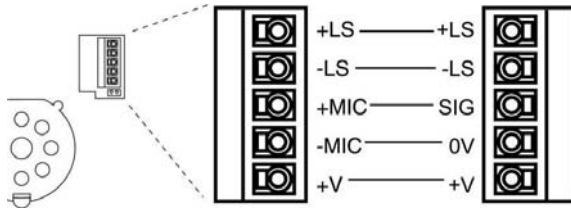
8.8 Connecting the analogue telephone connection

Connection instructions for ISDN / GSM / ethernet and GPRS modules can be found in chapter 11. Connect the analogue telephone line as shown in the diagram:



8.9 Connecting external loudspeakers / microphones

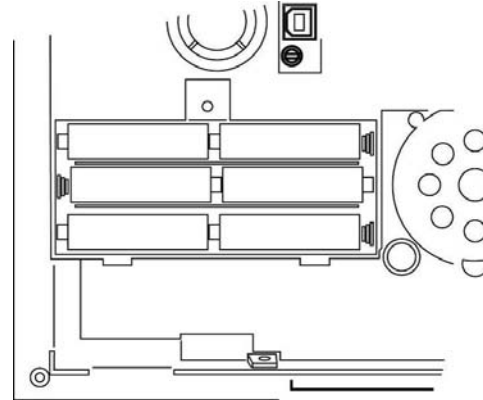
In addition to the internal loudspeaker and microphone, a further loudspeaker / microphone can be connected to the wireless alarm centre as shown in the diagram.



8.10 Inserting the rechargeable batteries for emergency power supply

Insert the six batteries correctly into the compartment. Replace the batteries every two years at the latest with batteries of the same type. Only use batteries with the following specifications:

1.2 V, 2100 mAh, NiMH, AA/R6 type



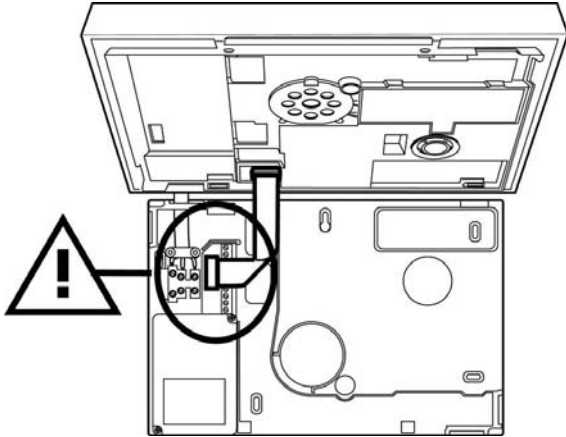
Battery charging:

A battery that is new or has not been used for a longer period does not develop its full capacity until after approximately 5 charging and discharging cycles.

8.11 Closing the alarm centre

Reconnect the top part to the base plate. Remember to connect the connection cable of the base plate to the alarm centre. At the same time, check that all other connections (emergency power supply and loudspeaker) are correctly connected to the top part.

Close the alarm centre and attach it to the bottom part using the housing screws.



Do not connect to 230 V AC mains power supply until the alarm centre is correctly fitted.

8.12 Notes on testing the alarm centre

To test the alarm centre functions without fixing it to the wall and without 230 V AC mains voltage, the system must be activated using the kickstart. After inserting the charged batteries, put the wireless alarm centre into operation by short-circuiting the kickstart jumper on the upper side of the alarm centre.

8.13 Final tasks

All connections are now made and the wireless alarm centre is ready for programming.

Note: When connecting the alarm centre to the power supply for the first time, you are prompted to select the language used for the display. The standard programming options for a certain country are then loaded.

The alarm centre is now in user mode, irrespective of whether it was put into operation through connection to the 230 V AC mains voltage or using the kickstart jumper.

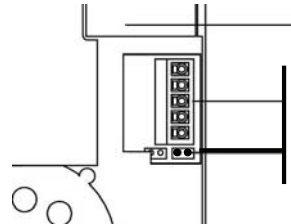
Before starting programming, read the explanation of terms in the following chapter. If you are familiar with these terms, you can skip the next chapter and start programming the alarm centre.

8.14 Code reset (code default)

You can carry out a code reset if you have forgotten your installer or administration code. All user settings (including trained remote controls) are deleted, and the administrator and installer codes are reset to the factory default settings. Settings in the installer menu are kept.

The installer code is then 7890.

The administrator code is then 1234.



1. Disconnect the alarm centre from the power supply (remove PSU and battery connection).
2. Short-circuit the Codes Defaulted jumper.
3. Connect the power supply.
4. The signal tone sounds.
5. Remove the Codes Defaulted jumper.

9. Explanation of terms

Before starting to program the alarm centre, you should become familiar with the terms used. The following is an explanation of the possible zone types and their allocated attributes:

ZONE

A zone is a detector that has been trained for the wireless alarm centre. Zones can have very different attributes. The detector does not know if the wireless alarm centre is active or not. A detector therefore always sends an alarm to the centre if a change is registered. The wireless alarm centre then evaluates whether this message triggers an alarm response or not.

NOT USED

Zones where no wireless detector has been trained or where no detector has been wired to the input (not used) should be programmed as a "Not Used" zone type. The alarm system does not react when an event triggers this detector.

NORMAL ALARM

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

ENTRY ROUTE

This zone does not trigger an alarm if an entry/exit zone has previously activated the entry delay time. An immediate alarm is triggered if no entry delay was previously activated. This zone type can be used for a motion sensor in the entrance hall pointing to the entry door (fitted with an opening detector). This detector can be used as an entry/exit detector for internal activation. This zone can be opened when you exit the programming menu.

FINAL EXIT

If the burglar alarm centre is active, this zone triggers an alarm following a specified delay time (entry delay). This zone type can be used for an opening detector on the entrance. When you leave the premises, closing this zone can also be used for ending the exit delay. This detector can be used as a NORMAL ALARM detector for internal activation.

24 HOUR

This zone always triggers an immediate alarm. If the wireless alarm centre is deactivated, the alarm is first heard via the integrated buzzer in the alarm centre. When activated, 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 centre is activated or deactivated. The alarm is made over the signaller in the wireless alarm centre and the external siren as a pulsed fire alarm tone. Only train fire alarms for this zone.

PANIC

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

TECHNICAL

When deactivated, a technical zone triggers an alarm via the control panel and optional dialler. When activated, no alarm is triggered. If an alarm occurs in this zone when activated, then this is displayed when the alarm centre is deactivated. This zone type can be used for water detectors.

KEY SW MOMENT

Train a key switch (pulse) to the wireless alarm centre. Any change to this zone changes the state of the alarm centre from active to inactive or vice versa (following the delay time).

KEY SW LATCHED

A key switch (permanent) can be connected to the burglar alarm centre. Any change to this zone changes the state of the alarm centre from active to inactive or vice versa (following the delay time). Please note that you can only operate the alarm centre via the key switch. If the status is unclear (e.g. key switch closed and deactivated on the control panel), then the alarm centre may return to active state.

KEY BOX

This zone is mainly used in Scandinavia. If this zone is opened, the trigger is stored in the memory of the burglar alarm centre. The can also be transmitted via the telephone dialler. No alarm is triggered.

If a zone of this type is necessary, the user connects the alarm wiring of this zone (usually the auxiliary contact of a door) to an external key box and the tamper wiring to the housing switch. If the housing is opened, the wireless centre saves the trigger and notifies the alarm reception.

EXIT NORM ALM

A zone programmed as "Exit Norm Alm" behaves in a similar way to a "Normal" zone. However, a zone of this type initiates an alarm when the detector is triggered during the delay time.

SYSTEM ACTIVATED

When the wireless alarm centre is activated, it monitors all zones for changes and triggers a local alarm and an external alarm (optional).

SYSTEM DEACTIVATED

When the wireless alarm centre is deactivated, only zones that are always active are monitored (e.g. 24 Hour, Technical and Fire). An alarm triggered by one of these zones usually results in an internal alarm.

INTERNAL/EXTERNAL ACTIVE

In addition to the complete activation of the burglar alarm centre, individual partitions (1, 2, 3, 4) can also be activated. It is also possible to activate the system internally. This means that system partitions are activated whilst the house occupants are at home. To use the functions internally, at least one detector must be allocated the "Part Set" zone attribute (see "Training detectors").

INTERNAL ALARM

In the event of an internal alarm, only the internal signallers on the alarm centre, the buzzers on the control panel and the optional loudspeakers are activated.

LOCAL ALARM

In the event of a local alarm, the connected combination signallers (strobe and siren) are also activated.

EXTERNAL ALARM

In the event of an external alarm, the alarm is also transmitted via telephone in addition to the activation of the acoustic and visual signalling devices.

SILENT ALARM

In the event of a silent alarm, the connected acoustic and optical signalling devices are not activated. Transmission is only made over the telephone line.

PARTITIONS

The wireless alarm system has a total of 4 partitions. Each of these partitions can be activated or deactivated independently of one another. Each detector can be assigned to one or more partitions. The detector is not monitored until all partitions where the detector is assigned have been activated (exception: detectors that are always active, such as Fire or 24 Hour detectors).

REPORTING

Four possible transmission methods for external alarms are found under the "Reporting" point in the installer menu.

ALARMS

This transmission method is used when the wireless centre is assigned to a security centre. Data transfer is made using a digital protocol. This method of alarm transmission cannot be used to transmit an alarm to a private telephone connection. The SIA Report, Contact ID and Fast Format Channel modes are available.

SOCIAL CARE

As with "Alarms", this transmission type is only designed for transmitting a digital report. However, other reports are also available. This alarm transmission type is not suitable for transmitting an alarm to a private telephone connection.

SPEECH DIALLER

This transmission type is used to transmit an alarm to a private telephone connection. The device works as the opposite of an answering machine. Previously recorded texts are transmitted to pre-programmed telephone numbers according to the trigger.

The called party hears the recorded text and can acknowledge the alarm call if necessary.

SMS

Transmission over SMS is made in a similar way to the transfer of an analogue voice message. Previously entered SMS messages are sent to pre-programmed numbers according to the trigger. SMS messages can also be set over the analogue telephone connection, depending on the network provider and approved services (SMS over PSTN).

10. Overview of the alarm centres



11. Graphic display

The graphic display informs you about all events concerning the wireless alarm system. The following is an overview of the different display messages and their meaning:



This symbol appears if a voice message exists that should be listened to. An acoustic message is issued every time the wireless alarm system is deactivated. This is: ***"You have a message"***.



This symbol appears when activity monitoring is activated. Remember to define the monitoring time period. Activity monitoring only works when the wireless alarm system is deactivated.

Menu

Press the button under the menu display. The wireless alarm system then prompts you to enter your access code (user code). If the code is accepted, the user menu is accessed. All user functions that were released by the user can be made here. Note that some functions in the user menu require a user code with administrator rights (master code).



21:00
01/05/2008

Displays the current time and date.



The four black bars stand for the four individual partitions of the wireless alarm system. A letter in the black bar represents the state of the partition (1–4). The letters and their meaning:

U: Deactivated

A: Activated

I: Internally activated

Note: A letter is only displayed in the partition (bar) when at least one detector is present in this partition.



This symbol indicates an error in the wireless alarm system that must be resolved immediately. For a summary of the different error displays and their meaning, see the table at the end of these instructions. To display the error, press the button under the display. You are then prompted to enter a valid user code.

12. Installer menu

The wireless alarm centre is configured in the installer menu. There are two ways of programming the wireless alarm centre:

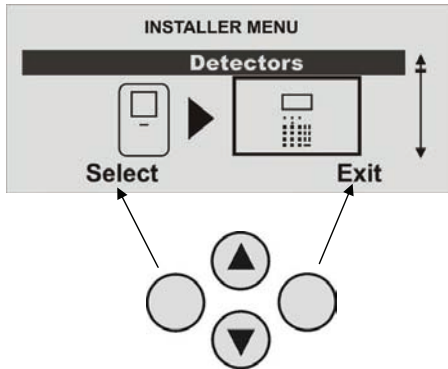
- A: Over the keypad on the wireless alarm centre.
- B: Over the software (either locally or by remote data transmission).

The following section describes how to program the wireless alarm centre using the keypad. To program the wireless alarm centre using the software, please consult the software instructions.

The menu is graphically designed to be used almost intuitively. The control buttons are used to navigate around the menu.

Using the arrow keys, you can navigate up and down within a menu item.

The keys on the left and right side relate to the text displayed above the keys in the display.



12.1 First steps in the installer menu

In the user mode, proceed as follows:
If you are in user mode, you must first change to the installer mode. Do this as follows:

Enter a valid installer code (default setting = 7890): **7 8 9 0**
You may also have to enter an administrator code (default setting = 1234).
The following announcement is heard:



“You are now in the installer menu”

When **exiting** the installer menu, the following announcement is played:



“You have exited the installer menu”

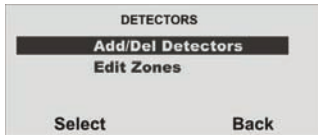
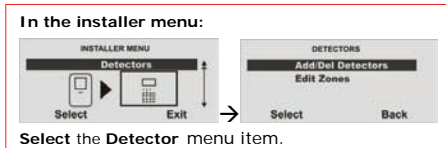
12.2 Overview of menu items in the installer menu

In the installer menu, wireless detectors can be trained, controllable outputs can be configured and partitions can be defined. The following table provides an overview of the various menu items:

Menu item	Settings
Detector	Train/delete detector, configure zones
Outputs	Add and edit outputs
Other Devices	Set up external sirens, WAM (Wireless Accessory Module), info module, arming station
Partitions	Assign partitions to zones, configure partitions
System Options	Perform user functions, select language, restore default settings, change installer code, define delay and siren times, configure supervision and jamming detection
IP Network	Configure IP settings

Download	Configure download settings
Reporting	Configure telephone settings, define transmission types
Social Care	Set social care, define activation times
Test	Centre and detector test, output test, walk test, wireless communication
View Log	Read the event log
About Panel	Read information about software and hardware versions

13. Adding detectors

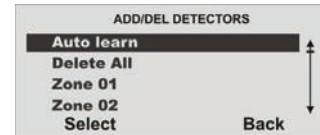


- **Select Add/Del Detectors.**

Function	Meaning
Auto learn	If this item is selected, you can walk through your property and activate the detectors one after the other (by triggering the tamper contacts). The detectors send a learn message and the alarm centre now automatically stores the book-in messages in sequence according to the zone locations.
Delete All	This function is used to delete all trained wireless detectors and zone attributes.
Zone xx	This item can be used to: <ul style="list-style-type: none"> a) Manually train 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

13.1 Auto learn

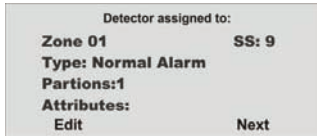
Select **Auto learn** if you want the wireless alarm centre to dial the first free zone.



- **Select Auto learn.**



- You will now be prompted to **activate** the **Tamper contact** of the detector.



This display shows which zone the detector has been trained to, the zone type programmed for this zone, the partition that the detector monitors and the additional zone attributes.

SS is also displayed, which shows the received signal strength. This value should be higher than 3 for satisfactory communication.



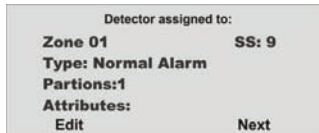
To identify the detector at a later date, mark it with the zone number.



If this message is displayed, consult the following chapter (9.4).


13.2 Deleting the detector or detector with zone information

Do you want to delete the detector or the detector with zone information?

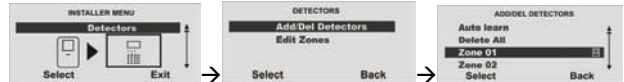


After training, select the menu item by pressing **Next**.

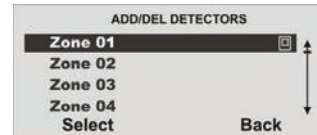


If a detector has been trained, then the  symbol is shown next to the zone number.

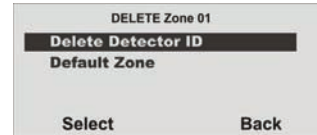
In the installer menu:



Select the **Add/Del Detectors** menu item.



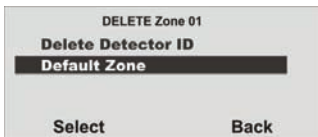
Select the **zone** you wish to delete.



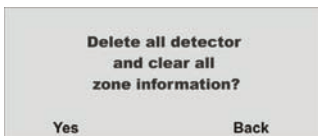
To delete the detector only, select the **Delete Detector ID** menu item and confirm with **Next**.



Confirm deletion by pressing **Yes**.



To delete the detector and the zone information, select the **Default Zone** menu item and confirm with **Next**.



Confirm deletion by pressing **Yes**.

13.3 Detector already in use



In exceptional cases, the message **"Detector already in use"** may be displayed during training of the detector. This occurs after the training confirmation is received as the detector sends the signal more than once. In this case, the display is meaningless.



Checking the detector:

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

Go to **Installer Menu** → **Test** → **Walk Test** and carry out a walk test by triggering a tamper contact (T) and an alarm (A).

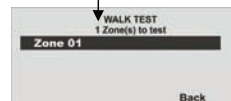


Some detectors do not have tamper contacts (e.g. smoke detectors) and only send an alarm (A). The display with the number of tested zones without tamper contacts remains.



Select Test

Number of zones to be tested

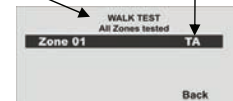


Select Walk Test

Information: All zones tested

T = Tamper
A = Alarm

Trigger a tamper contact (T) and an alarm (A).

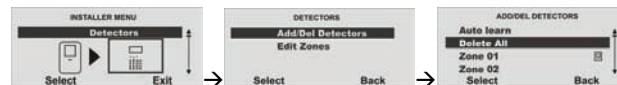


T and A are displayed next to the trained zone (detector).

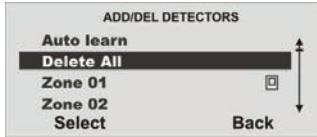
13.4 Delete All

Do you want to **delete all** detectors and zone information?

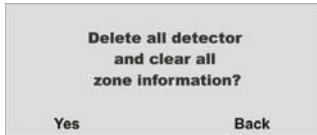
In the installer menu:



Select the **Add/Del Detectors** menu item.



Select the **Delete All** menu item.



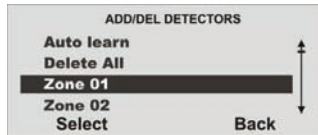
Confirm deletion by pressing **Yes**.

13.5 Adding the zone 01 detector manually

In the installer menu:



Select the **Add/Del Detectors** menu item.



➤ **Select Zone 01.**

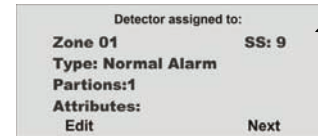
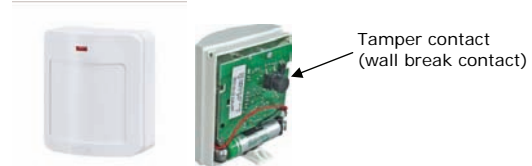


Please ensure that no other active detectors are in the tamper state.



➤ You will now be prompted to activate the **Tamper contact**.

Example: Motion sensor



Display of the **signal strength**

➤ The **detector** was successfully trained.



To ensure satisfactory communication, the **signal strength should be more than 3.**

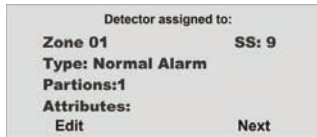
13.6 Editing detectors (zones)

In the installer menu:



Select the **Edit Zones** menu item.

The detector transmits its standard settings automatically to the alarm centre after training. This setting can be changed at any time.



Editing Zone 01

13.7 Assigning the zone name

It is sensible to assign a clear and unique zone name so that detector can be identified quickly in the event of a malfunction.

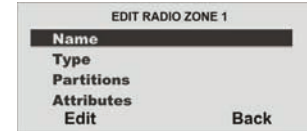
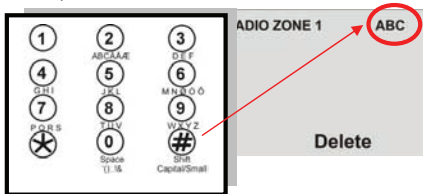
Example: **MS** for motion sensor and **Office01** as location

Detector name: **MS-Office01**

Enter letters and characters via the keypad.

Letter-to-key assignment:

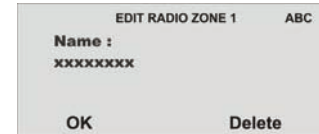
The letters and characters can be selected by pressing the keys several times. The cursor goes to the next position after around two seconds.



Select the **Name** menu item.



Delete the existing name (**Zone 01**) and assign a unique name for the zone (max. 12 characters).



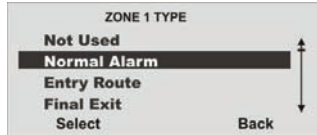
Confirm the new name by pressing **OK**.

13.8 Selecting the zone type

The preset zone type can be changed here. Pay attention to the zone type descriptions in this chapter.



Select the **Type** menu item.



Press **Select** to confirm the corresponding **Zone Type**.

ZONE TYPE

A zone is a detector that has been trained for the wireless alarm centre. Zones can have very different attributes. The detector does not know if the wireless alarm centre is active or not. A detector therefore always sends an alarm to the centre if a change is registered. The wireless alarm centre then evaluates whether this message triggers an alarm response or not.

NOT USED

Zones where no wireless detector has been trained or where no detector has been wired to the input (not used) should be programmed as a "Not Used" zone type. The alarm system does not react when an event triggers this detector.

NORMAL ALARM

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

ENTRY ROUTE

This zone does not trigger an alarm if an entry/exit zone has previously activated the entry delay time. An immediate alarm is triggered if no entry delay was previously activated. This zone type can be used for a motion sensor in the entrance hall pointing to the entry door (fitted with an opening detector). This detector can be used as an entry/exit detector for internal activation. This zone can be opened when you exit the programming menu.

FINAL EXIT

If the burglar alarm centre is active, this zone triggers an alarm following a specified delay time (entry delay). This zone type can be used for an opening detector on the entrance. When you leave the premises, closing this zone can also be used for ending the exit delay. This detector can be used as a NORMAL ALARM detector for internal activation.

24 HOUR

This zone always triggers an immediate alarm. If the wireless alarm centre is deactivated, the alarm is first heard via the integrated buzzer in the alarm centre. When activated, 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 centre is activated or deactivated. The alarm is made over the signaller in the wireless alarm centre and the external siren as a pulsed fire alarm tone. Only train fire alarms for this zone.

PANIC

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

TECHNICAL

When deactivated, a technical zone triggers an alarm via the control panel and optional dialler. When activated, no alarm is triggered. If an alarm occurs in this zone when activated, then this is displayed when the alarm centre is deactivated. This zone type can be used for water detectors.

KEY SW MOMENT

Train a key switch (pulse) to the wireless alarm centre. Any change to this zone changes the state of the alarm centre from active to inactive or vice versa (following the delay time).

KEY SW LATCHED

A key switch (permanent) can be connected to the burglar alarm centre. Any change to this zone changes the state of the alarm centre from active to inactive or vice versa (following the delay time). Please note that you can only operate the alarm centre via the key switch. If the status is unclear (e.g. key switch closed and deactivated on the control panel), then the alarm centre may return to active state.

KEY BOX

This zone is mainly used in Scandinavia. If this zone is opened, the trigger is stored in the memory of the burglar alarm centre. The can also be transmitted via the telephone dialler. No alarm is triggered.

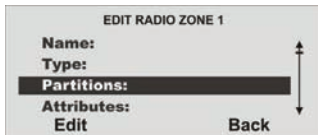
If a zone of this type is necessary, the user connects the alarm wiring of this zone (usually the auxiliary contact of a door) to an external key box and the tamper wiring to the housing switch. If the housing is opened, the wireless centre saves the trigger and notifies the alarm reception.

EXIT NORM ALM

A zone programmed as "Exit Norm Alm" behaves in a similar way to a "Normal" zone. However, a zone of this type initiates an alarm when the detector is triggered during the delay time.

13.9 Selecting partitions

The trained detectors are assigned to **Partition 01** as **standard**. To assign the detector to another partition, proceed as follows:



Select the **Partitions** menu item.

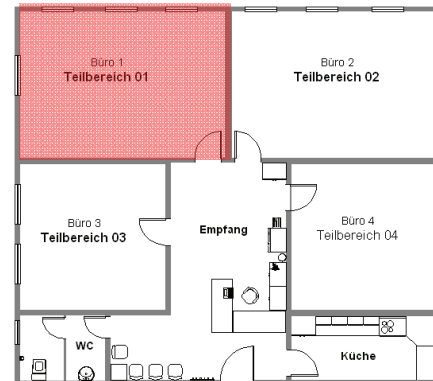


At least one partition must be marked with **Yes**.

ZONE 1 PARTITION	
Partition 01	Yes
Partition 01	No
Partition 01	No
Partition 01	No
Select	Back

Select the relevant **partition** in which this zone is to be monitored. Confirm by pressing "Done".

Example: Shared office



An overview of partition characteristics can be found in chapter 10.6 of these instructions.

The following **types** can be assigned to one or more partitions: Normal Alarm, Final Exit, Entry Route, Key Sw Moment and Exit Norm Alm.



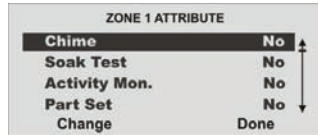
If you plan to use internal active partitions, you must ensure that the internally activated options are identical for all zones used by more than one partition.

The wireless centre does not allow allocation of the following zone types to more than one partition: 24 Hour, Fire, Panic and Technical.

13.10 Selecting zone characteristics



Select the **Attributes** menu item.



Further **properties** can be allocated to the zone here.

Property	Meaning
Chime	When the alarm centre is deactivated and this zone is triggered, the centre emits an acoustic signal.
Soak Test	If a detector tends to trigger false alarms, activate the detector test (soak test). This setting is automatically reset after 14 days. During this time, the detector triggers no alarms on the alarm centre. All triggering behaviour is noted in the memory (logbook).
Activity Mon.	The detector function is inverted. This is only to be used in connection with the Social Care function. An alarm is triggered on the alarm centre if the detector reports no alarms within a specific period.
Part Set	This zone is monitored if the partition of this zone or all partitions are internally activated.
Force Set	If a zone is assigned this property, then this zone is hid automatically if it was open during activation.



The **Soak Test** function should only be set when the detector has a tendency of triggering **false alarms**. This function works automatically. To test the detector range, use the walk test function. **Do not** activate the detector test, as this function ensures that a message is stored in the memory and **no alarms are triggered when the wireless alarm system is activated**. The wireless alarm system sets the zone back to normal after 14 days.



The **Force Set** function must be activated **additionally** in the **System Settings / Force Set menu**.

13.11 Examples of zone properties

Part Set:

Detectors with the **Part Set** attribute secure your property from the outside. You can move freely around the property.

This means:

The alarm centre only reacts to detectors with the **Part Set** property.



Force Set:

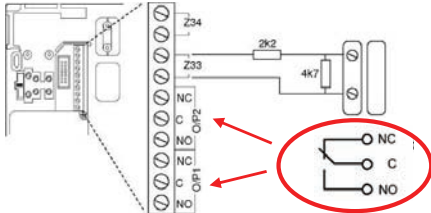
An interior door is secured with an opening detector. The detector is assigned the **Force Set** property. The system can then also be activated when this door is open. This detector is then no longer used for monitoring.

14. Outputs

The controller has 34 outputs.

The first two outputs (O/P1 and O/P2) are wired outputs.

Outputs 3 to 34 are wireless outputs. They can be accessed using a FU8210 accessory module.



Switch outputs O/P1 and O/P2:

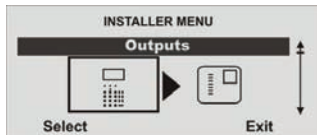
Disconnected, single pole relay contacts

DC: 24 V / 1 A

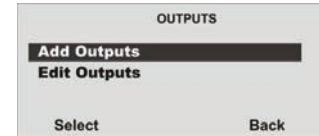
AC: 120 V / 0.5 A

14.1 Adding outputs

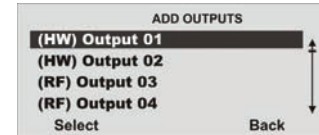
The Secvest has two wire outputs.



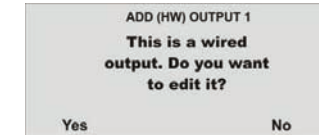
Select the **Outputs** menu item.



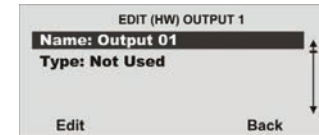
Select **Add Output**.



Select **(HW)Output 01**



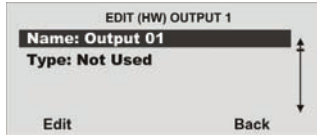
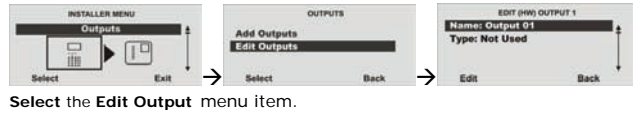
Confirm by pressing **Yes**.



Now edit **Zone 01**.

14.2 Editing outputs

In the installer menu:



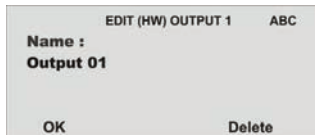
Now edit Zone 01.



Select the **Name** menu item.

14.3 Assigning the output name

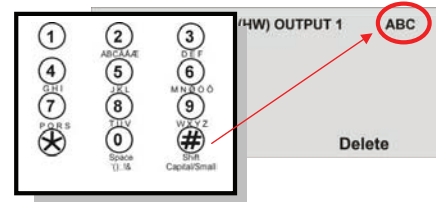
It is sensible to assign a clear and unique output name so that the output can be identified quickly in the event of a malfunction.



Delete the existing name (**Output01**) and assign a unique name for the output (max. 12 characters).
Enter letters and characters via the keypad.

Letter-to-key assignment:

The letters and characters can be selected by pressing the keys several times. The cursor goes to the next position after around two seconds.



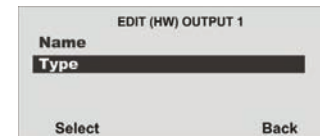
Confirm the changes by pressing **OK**.

14.4 Selecting the output type

The output properties can be changed here.



This menu can also be used to automatically activate and deactivate the alarm centre at a defined time. See the following page for more information ("Manual" output type).

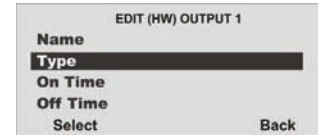


Select **Type** to configure the output.

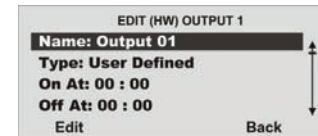
An overview of output types can be found in the following table.

Type	Meaning
Not Used	This output is not in use and is never activated. (Exception: complete power loss).
Local	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 centre is internally or externally 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 wireless alarm centre is deactivated.
Strobe Set	This output is activated for approx. 10 seconds following successful activation of the wireless alarm centre and is used for acknowledging activation. The function must also be activated in the partition menu. This output is also activated for a local alarm and remains active until the wireless alarm centre is deactivated.
Pulse Set	This output is activated for approx. 1 second following successful activation of the wireless alarm centre.
Pulse Unset	This output is activated for approx. 1 second following successful deactivation of the wireless alarm centre as well as for a panic or fire alarm.
Setting Complete	This output is activated for approx. 10 seconds following successful activation of the wireless alarm centre.
Siren P1 - P4	This output is activated on local alarms in the selected partition for the defined siren duration.
Strobe Set P1 - P4	This output is activated for a local alarm in the selected partition and remains active until the wireless alarm centre is deactivated. The output is also activated for 10 seconds after successful activation of the partition.
Technical	This output is activated if a technical zone triggers an alarm.
Medical	This output is activated if a medical emergency call is activated.
Panic	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. An overview of zones is displayed when this type is selected. Select a corresponding zone.
User Defined	This zone can be remote-controlled by various components such as remote control units or the code keypad. The output can also be assigned times at which it is to be activated and deactivated. If this output type is selected, the times at which the output is to be activated or

	deactivated can be entered at the end (see the note below).
FullSet RDY P1 - P4	This output is activated when the partition is ready to be activated.
Part Set P1 - P4	This output is activated if a partition is internally activated.
Full Set P1 - P4	This output is activated if the partition is activated.



Select the function **User Defined**, for example.



End data entry by pressing **Back**.

14.5 Example: “User Defined” output type

After selecting the **User Defined** output type and entering the times, you can then connect the programmed output with a wired input (programmed as “Key Sw Latched”). In this way, the alarm centre can be activated and deactivated at a defined time.

In addition, the “User Defined” output can also be remote-controlled. Program the remote control unit in the user menu under “System -> Remote controls” (see user manual).

14.6 Adding RF (wireless) outputs

Wireless outputs can be added using a WAM (see “Other devices / Adding WAMs” and “Editing (WAM) outputs”).

In the installer menu:

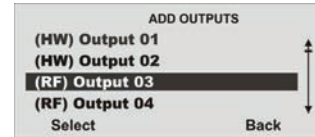


Select the **Add Output** menu item.

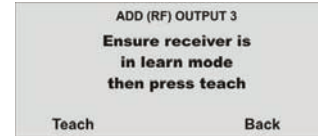
The training procedure for the wireless output module is described here (**function not yet available**).



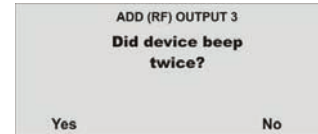
Do not add outputs if the WAM (Wireless Accessory Module) is used as an output module, as this reserves the outputs automatically. Consult **chapter 9.15 (Other devices / Adding WAMs)**. Proceed as follows to add a wireless output (not necessary for outputs on the accessory module):



Select **(RF)Output 03**, for example.



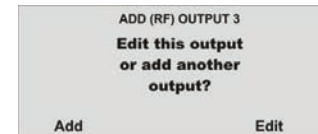
Select **SEND** to send the learn signal to the receiver.



If the receiver beeps twice, the learn message was correctly received. End the learning procedure by pressing **Yes**.

To cancel data entry, press **No**.

The learn procedure is now started again.

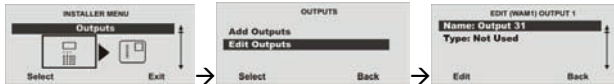


Add another output by pressing **Add**.

To edit the trained output, press **Edit** and proceed as detailed in **chapter 9.5.1 (“Editing outputs”)**.

14.7 WAM outputs

In the installer menu:



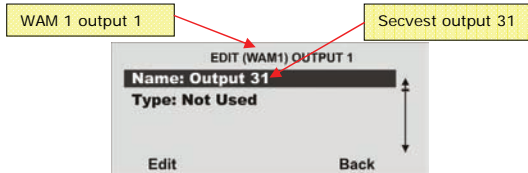
Select the **Edit Output** menu item.

The WAM wireless outputs can be edited after training the WAM as a wireless transmitter or receiver (function 3).

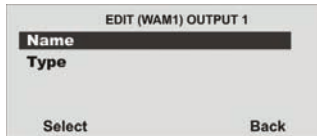


Please note that the disconnected WAM outputs have a maximum load of **500 mA at 24 V**. This is an opto-isolator with a forward resistance of 2Ω .

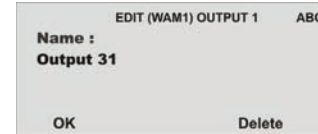
Select output 31 using the arrow keys (WAM 1).



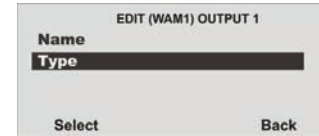
Edit the menu point under **output 31**.



Select the **Name** menu item.



Assign a new name and **finish** data entry by pressing **OK**.



Select the **Type** menu item.

An overview of output types can be found in the following table.

Type	Meaning
Not Used	This output is not in use and is never activated. (Exception: complete power loss).
Local	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 centre is internally or externally 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 wireless alarm centre is deactivated.
Strobe Set	This output is activated for approx. 10 seconds following successful activation of the wireless alarm centre and is used for acknowledging activation. The function must also be activated in the partition menu. This output is also activated for a local alarm and remains active until the wireless alarm centre is deactivated.
Pulse Set	This output is activated for approx. 1 second following successful activation of the wireless alarm centre.
Pulse Unset	This output is activated for approx. 1 second following successful deactivation of the wireless alarm centre as well as for a panic or fire alarm.
Setting Complete	This output is activated for approx. 10 seconds following

	successful activation of the wireless alarm centre.
Siren P1 - P4	This output is activated on local alarms in the selected partition for the defined siren duration.
Strobe Set P1 - P4	This output is activated for a local alarm in the selected partition and remains active until the wireless alarm centre is deactivated. The output is also activated for 10 seconds after successful activation of the partition.
Technical	This output is activated if a technical zone triggers an alarm.
Medical	This output is activated if a medical emergency call is activated.
Panic	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. An overview of zones is displayed when this type is selected. Select a corresponding zone.
User Defined	This zone can be remote-controlled by various components such as remote control units or the code keypad. The output can also be assigned times at which it is to be activated and deactivated. If this output type is selected, the times at which the output is to be activated or deactivated can be entered at the end (see the note below).
FullSet RDY P1 - P4	This output is activated when the partition is ready to be activated.
Part Set P1 - P4	This output is activated if a partition is internally activated.
Full Set P1 - P4	This output is activated if the partition is activated.

15. Other Devices

The following components can be added under this menu item:

External siren



Info module



Internal siren

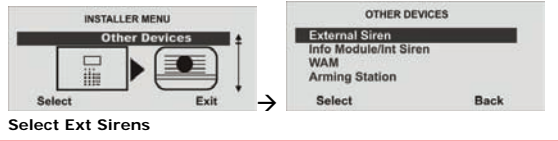
WAM



Arming station

15.1 External siren

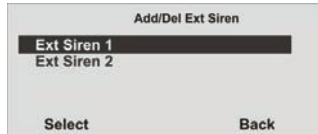
In the installer menu:



Select Ext Sirens



Select Add/Del Ext Siren.



Select the corresponding Siren.




Trigger the tamper contact of the siren.

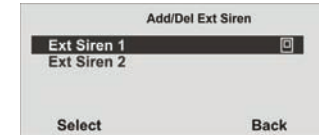
When the sirens have been trained, the alarm centre beeps twice as confirmation. A message is displayed with the siren confirmation and the signal strength value.



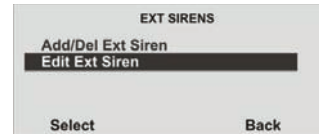
Leave this display by pressing **Back**.



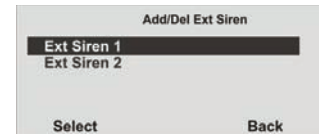
If a siren has been trained, then the  symbol is shown next to the siren number.



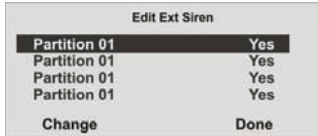
Leave this display by pressing **Back**.



Select "Edit Ext Siren".

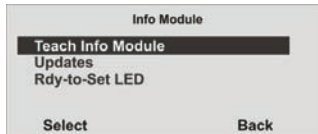
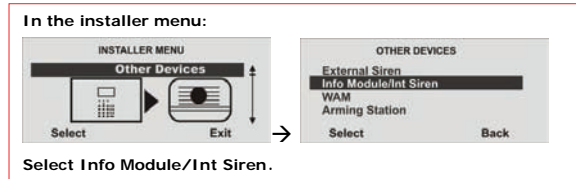


Select the trained **Ext Siren**.

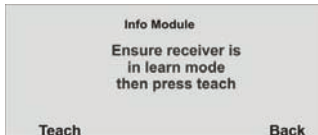


If the external siren should be activated when the relevant partition triggers a local or external alarm, then the partition must be set to **Yes**.

15.2 Info Module/Int Siren



Select the **Teach Info Module** menu item.



Set the info module / internal siren to learning mode. See the product instructions for more details. After switching the info module or internal siren to learning mode, activate the transmission of wireless information from the centre by pressing **SEND**.



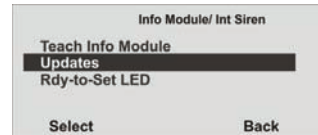
If the receiver beeps twice, the learn message was correctly received. End the learning procedure by pressing **Yes**. Cancel the process by pressing **No**.

The learn procedure is now started again.

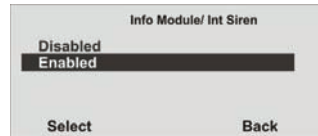
No further settings have to be made on the info module or internal siren. Even in the event of power outage, the info module or internal siren retains the wireless information of the alarm centre.

15.2.1 Updates / Disabled

This menu item is used to remove the info module or internal siren effectively from the wireless centre (for example, when the info module is no longer needed). The wireless centre can also be prevented from updating the info module display. Deactivation frees up some of the processing capacities on the wireless centre and accelerates reactions to other components. The "Info Module/Int Siren" module provides the **Updates** option for this purpose.



Select the **Updates** menu item.



When **Enabled** is selected, the wireless centre continues data transmission to the info module / internal siren.

When **Disabled** is selected, the wireless centre stops data transmission to all info modules. The default menu setting for this option is **Disabled**.

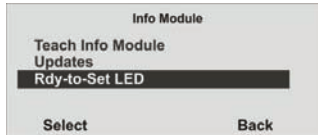
The wireless centre changes the setting to **Enabled** when the identity of the wireless centre is imported into an info module.

15.2.2 Rdy-to-Set LED

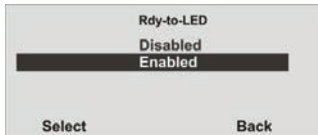
This function must also be set if the info module is equipped with properties of the "Ready" display. This signals that at least one zone in the partition is open (zones connected with "Force Set" property). Proceed as follows:



The "Rdy-to-Set LED" function may result in increased wireless traffic as the status change of a detector must also be sent to the info module. If this results in system malfunctions, then the "Rdy-to-Set LED" function must be deactivated. As described in the info module, the red LED on the info module lights up as long as a zone is open (also applies to "Force Set" zones). This indicates that the system cannot be activated (or can only be activated with hidden zones).



Select the **Rdy-to-Set LED** menu item.



To display the ready display on the info module, select **Enabled** and confirm by pressing **Select**.

To deactivate the function, select **Disabled** and confirm by pressing **Select**.

15.3 Add WAM



Please ensure that reserved outputs and zones are allocated to each WAM. See the table on reserved WAM outputs and zones.

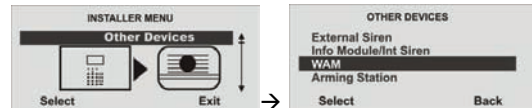
Accessory module	Reserved outputs	Reserved zones
WAM 1	31 - 34	48
WAM 2	27 - 30	47
WAM 3	23 - 26	46
WAM 4	19 - 22	45
WAM 5	15 - 18	44
WAM 6	11 - 14	43
WAM 7	07 - 10	42
WAM 8	03 - 06	41



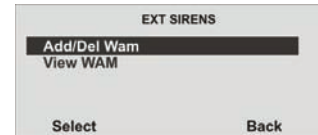
Program the accessory module as detailed in the WAM installation instructions (e.g. as a wireless receiver / transmitter (function 3))

After programming the accessory module according to the instructions, it can be added to the system.

In the installer menu:

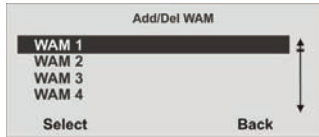


Select **WAM**.



Select **Add/Del WAM**.

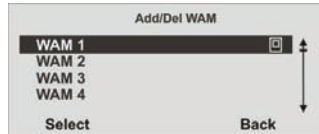
Select the corresponding accessory module (WAM).
In total, up to **eight** accessory modules can be trained.



Select a module (e.g. **WAM 1**).



Trigger the tamper contact on the WAM.

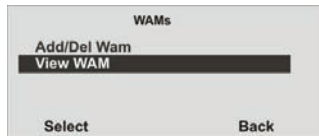


Trained WAM modules have the  symbol next to the WAM number.

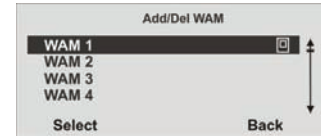
Exit the menu by pressing **Back**.



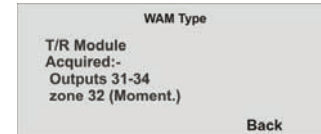
Check the information of the info module.



Select **View WAM**.



Select **WAM 1**.



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

Function	Meaning
Not Used	The universal module is not trained.
1 Wireless Repeater	Wireless signals received from trained wireless detectors (trained in the WAM) are forwarded to the alarm centre following reception. No other settings have to be made here.
2 Output Module	Up to four WAM relays can be activated from the wireless alarm centre according to the programming.
3 T/R Module	Transmission/receiver module for connecting wired detectors (water detectors) or a block lock / key switch.
4 Sounder Module	For connecting a wired external wireless siren or compact alarm device.

15.3.1 WAM as wireless repeater

WAM function 1



If the accessory module is trained with the wireless repeater function, then the wireless repeaters whose signals are to be transmitted via this module must also be trained to the WAM. Consult the WAM operating instructions for more information.

15.3.2 WAM as output module

WAM function 2



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

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

These outputs no longer have to be added manually. Make the settings for the output functions as described in the **Editing outputs** section. Outputs reserved by the WAM are described as shown in the following diagram. These outputs must be configured, but do not have to be added.

Consult the operating instructions of the WAM for more details.

15.3.3 WAM as wireless transmitter / receiver

WAM function 3



In the same way as the WAM as output module, the WAM as transmitter / receiver technology module also occupies the 4 outputs. In addition to the outputs, **one** wireless zone is reserved that corresponds to input 1. These must be configured at the end according to the function connected in the WAM.

Consult the operating instructions of the WAM for more details.

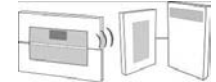
The occupied wireless zone is displayed.

WAM 1 – Wireless zone 48	WAM 5 – Wireless zone 44
WAM 2 – Wireless zone 47	WAM 6 – Wireless zone 43
WAM 3 – Wireless zone 46	WAM 7 – Wireless zone 42
WAM 4 – Wireless zone 45	WAM 8 – Wireless zone 41

The second WAM input is used as a tamper line for the corresponding reserved wireless zone.

15.3.4 WAM as siren module

WAM function 4



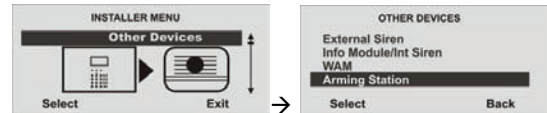
After configuring the WAM as a siren module, you will see a display in which you have to define the partition where the siren is to be activated. This setting is made in the same way as for the external sirens.

For details on the connection of compact alarm devices in the WAM, please consult the accessory module operating manual.

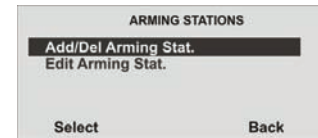
15.4 Arming station

Up to four arming stations can be trained.

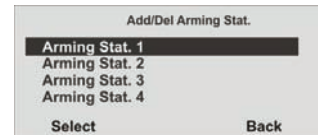
In the installer menu:



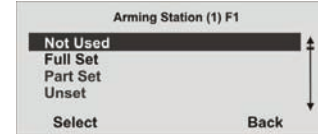
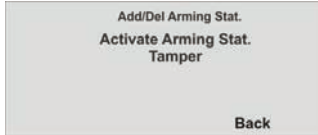
Select the arming station.



Select **ADD/DEL Arming Stat.**.



Select the corresponding arming station.



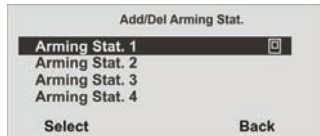
Trigger the tamper contact on the arming station (see the station operating instructions). When the arming station has been trained, the wireless alarm centre

beeps twice in acknowledgement. At the same time, the graphic display shows the symbol next to the arming station number.

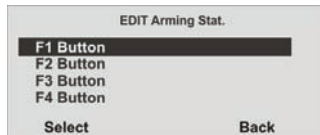
15.4.1 Editing the arming station

In the installer menu:

Select the arming station.



Select the trained arming station 1.



Select the corresponding key.

Select the function from the table and allocate it to the arming station key. Confirm the selection by pressing **Select**.

Function	Meaning
Not Used	This button has no function on the arming station.
Full Set	After entering the user code and pressing this button, the alarm centre is fully activated.
Part Set	After entering the user code and pressing this button, a partition of the alarm centre is activated internally.
Unset	After entering the user code and pressing this button, the alarm centre is fully deactivated.
Output On	After entering the user code and pressing this button, an output is activated.
Output Off	After entering the user code and pressing this button, an output is deactivated.

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



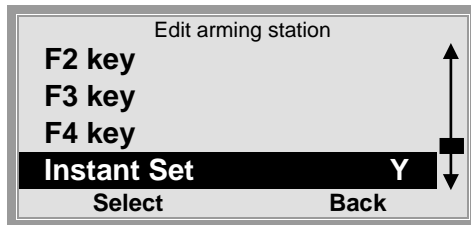
The entered user code defines which partition is activated or deactivated. When the user code is authorised to activate partitions 1 and 3, then these are activated after the user code is entered and the "Full Set" function key is pressed. This also applies to deactivation.

15.4.2. Arming station with new function

The arming station can also be used outdoors (IP54).
Using the "Instant Set" function, the alarm centre can be activated without any exit delay after entry of the user code.



The additional "Instant Set" function only applies to the 2WAY arming station



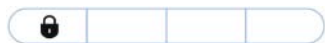
Select:

Y = Instant activation (outdoors)

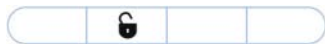
N = With 10 second exit delay (in secure indoor area)

Standard setting: 2WAY arming station

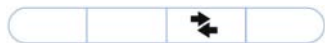
F1 key: Full Set



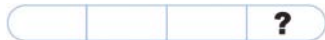
F2 key: Unset



F3 key: Part Set




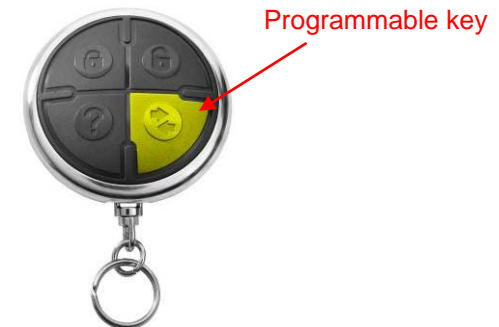
F4 key: Not used (status query)



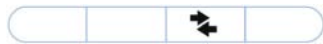
15.4.3. Switching outputs

15.4.3.1. Using the arming station

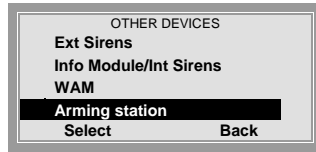
The outputs can be switched using the arming station or the remote control.
Each of the four keys on the arming station can be assigned to an output, as can the double-arrow key  on the remote control.



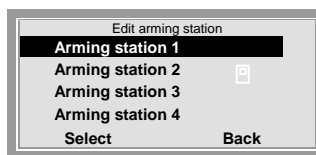
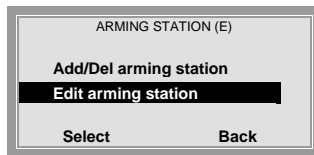
Now program the F3 function key on the arming station.




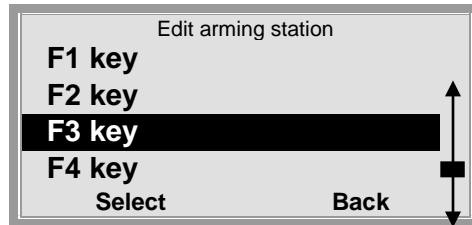
Call up the installer menu.



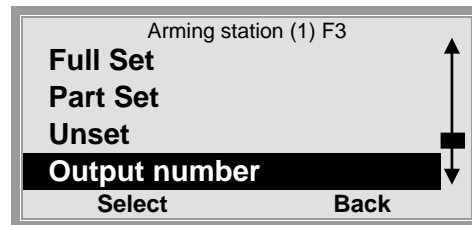
Under **Other Devices**, select the **Arming station** menu point.



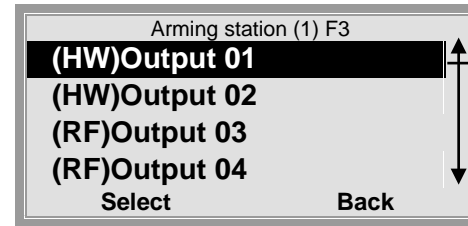
Under **Edit arming station**, select the trained **Arming station 1**.
The trained arming station is indicated by the  symbol.



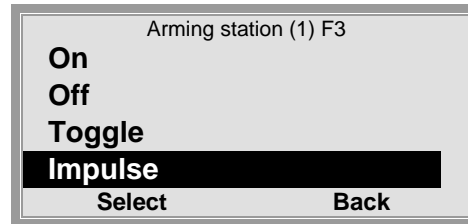
Now select the **F3 key**.



Select the **Output number** menu point.

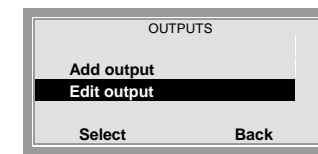
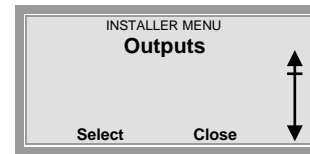


Now select the **(HW)Output 01**

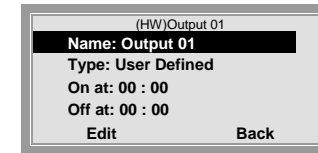
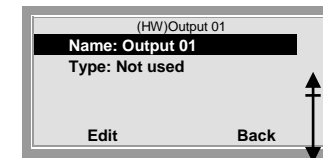


Select the **Impulse** function (approx. 4 seconds).

Go back to the installer menu and change **Output 01** to the user defined setting.



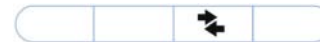
Under **Outputs**, select the **Edit output** menu point.




Edit **Output 01** and select **User Defined** as type.

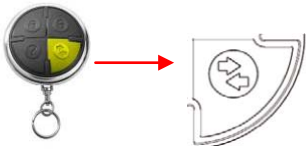
Now go back to the operating mode.

You can now switch output 01 using the F3 function key.

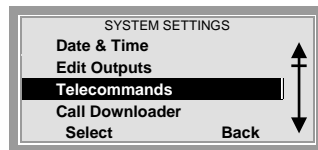
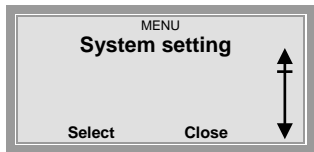


15.4.3.2. Using the remote control

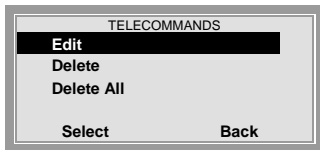
Now program the double-arrow key  on the remote control.



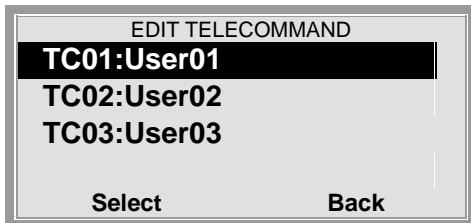
Access the user menu as an administrator.



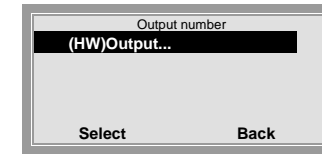
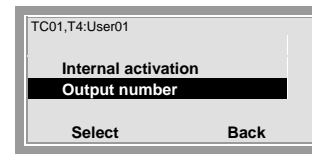
Under **System setting**, select the **Telecommands (remote control) menu point**



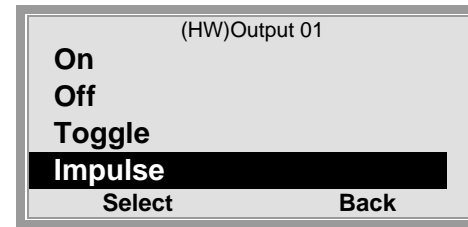
Select the **Edit** menu point and press any key on the remote control, or alternatively select **No Telecommands...**




When **No Telecommands...** is selected, you can select a user to receive the new function here.



Now select the **(HW)Output...**



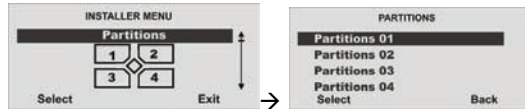
Select the **Impulse** function for output 01.

Go back to the system settings menu and press the double-arrow key  on the remote control to check the settings.

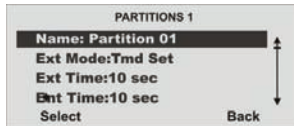
Output 01 now switches for approx. 4 seconds.

16. Partitions

In the installer menu:



Select Partitions.



Select the corresponding function.

For an overview of functions and their attributes, see the table below.



Do not attempt to use a PIR zone as the input or output for a partition. PIR wireless detectors have an inactive period after each activation to save battery power. When a partition is activated (or activated internally), the PIR detector may still be blocked. During this time, no signal for completion of the activation process can be sent.

Function	Meaning
Name	Select this point to rename a partition. Enter the name in the same way as for zones or output names.
Type	Select this point to define the output mode of the partition. Properties of each output mode can be found in the next section.
Exit Delay	Exit delay times 10, 20, 30, 45, 60 or 120 sec.
Entry Delay	Entry delay time 10, 20, 30, 45, 60 or 120 sec.
Response	Response in the event of an alarm in this partition.
Part Set	Behaviour of this partition at internal activation (exit delay).
P.Set FE As	Behaviour of entry/exit zone at internal activation. The options are as follows: FE as FE – The entry/exit zone retains the entry/exit attribute even for internal activation. FE as NA – The entry/exit zone changes its attribute at

	internal activation to "Instant Set".
P.Set ER As	Behaviour of the "Entry Route" zone at internal activation (ER remains ER or ER becomes FE).
Stroke Follow Set	Behaviour of activation acknowledgement. The options are as follows: OFF – No visual acknowledgement on external siren after successful activation (not internal). ON – Visual acknowledgement on external siren after successful activation (not internal).
Stroke Follow Unset	Behaviour of deactivation acknowledgement. Programming is made in the same way as activation acknowledgement.

16.1 Partition types

Select the corresponding exit mode.

For an overview of exit modes and their attributes, see the table below.



Function	Meaning
Timed Set	The partition is activated following expiry of the defined exit time.
User Defined	The partition is activated when a zone is closed with the entry/exit property.
Instant Set	The partition is activated immediately. This exit mode is recommended for activation over remote control or wireless cylinders.
Silent Set	Same as the "Timed Set" exit mode, except that no exit signal can be heard during the delay time.
As Prtn 1	This option is available for partitions 2, 3 and 4. When this option is selected, the system uses the same type as for partition 1.

16.2 Exit delays of the partition

After entering the exit mode for the partition, a delay time must be entered in the following cases:

Exit mode = Timed Set or

Exit mode = Silent Set

Select the **Ext Time** menu point.

After **Ext Time** has been confirmed with the **Select** button, the following graphic display is shown:



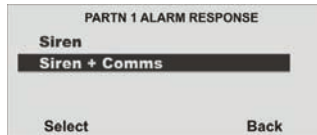
Select the corresponding exit time.

16.3 Entry delays of the partition

The entry delay is defined in the same way as the exit delay. Configure the entry delay time for each exit mode.

16.4 Activating the partition response

Select the corresponding alarm response for the partition in the event of an alarm with activated partition or system.



Function	Meaning
Local	In the event of an alarm, the internal siren and the (optional) external siren are activated.
External	In addition to the activation of the local siren, the alarm is also transmitted by telephone.

16.5 Internal activation of the partition

Each individual partition can also be 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.

The exit mode for internal activation is programmed in the same way as the exit mode for normal activation of the partition.

16.6 Behaviour of FE 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. This is usually programmed as an entry/exit zone, and 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 “Instant Set” so that an intruder who enters the house via the entrance door triggers an instant alarm.



Select the relevant alarm response for the partition. The following options are available as shown in the table 11.

Function	Meaning
Final Exit	The zone also retains its attribute with internally activated partitions.
Instant Set	The zone changes its attribute to “Instant Set” for internally activated partitions.

Selection menu for zone behaviour for internally activated partitions

16.7 Behaviour of ER zones at internal activation

The configuration of zone behaviour with the “Entry Route” attribute for internally activated partitions is made in the same way.

Behaviour of activation acknowledgement. The options are as follows:
 OFF – No visual acknowledgement on external siren after successful activation (not internal).
 ON – Visual acknowledgement on external siren after successful activation (not internal).

Behaviour of deactivation acknowledgement.
 Programming is made in the same way as activation acknowledgement.

17. System options



Select System Options.

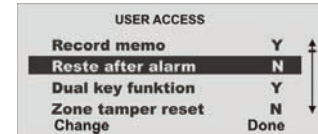
Select the corresponding function. For a list of functions and their attributes, see the table below.

Function	Meaning
User Access	In this menu, the options available to the user in the user menu are defined.
Remote Access	This menu controls the access of remote control functions.
Language	Select the language for voice output and the graphic displays. You can choose between two languages.
Restore Defaults	Used for restoring the factory settings and setting the country parameters (important for telephone communication).
Installer Code	Used for entering a new user code.
Deactivate Delay	Used for deactivating the alarm centre / partition using the remote control within the entry delay time. When this function is activated, the alarm centre can only be deactivated using the remote control within the entry delay time. When this function is deactivated, the wireless alarm centre can be deactivated using the remote control at any time.
PA Response	Used for setting the behaviour in the event of a panic alarm.
Auto Rearm	Used for setting the alarm centre response following an alarm.
Siren Delay	Used for setting the length of the siren delay.
Siren Time	Used for setting the siren duration.
Delay On Entry Alarm	Used for setting the delay time for an entry alarm.

Supervision	Used for setting the response of the alarm centre in the event of supervision failure.
Jamming	Used for setting the response of the alarm centre in the event of wireless jamming.
Batt Load Test	Used for activating the battery test function.
Siren in PSet	Used for controlling the siren properties with an internally activated system.
Force Set	Used for activating and deactivating the Force Set function or activating it with a confirmation.
RF Siren Options	Used for setting the response of the wireless siren.

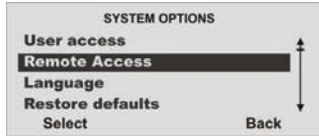
17.1 Configuring the system options

Select the corresponding options for the user from the table. To activate a function for the User, press **Change**.
 The option must be set to "Y" in order for it to be used.



Function	Meaning
Record Voice Memo	Enables the user to record a voice message.
Reset After Alarm	Enables the user to reset the wireless alarm centre following an alarm using the user code. When "N" is selected, the user can only set the alarm to silent. The administrator must reset the system by entering the user code.
Dual key funktion	Activates the alarm buttons on the keypad for the user.
Zone Tamper Reset	Enables the user to reset the wireless alarm centre with the user code following a tamper alarm. When "N" is selected, the user can only set the alarm to silent. The administrator must reset the system by entering the user code.
Omit All	Enables the user to lock all open zones simultaneously with a single button.
Social Care Key	Activates the "Social Care" key on the keypad for the user.
Quick set	Enables the activation of the alarm centre without a user code.

17.2 Remote control / remote access by telephone



This function enables a user to give commands to the wireless alarm centre from a remote location using the telephone keypad. The available commands are as follows.

More information can be found in the operating manual. There are two possibilities here:

Call-out control

When set to **Y**, the user can control the system remotely when answering a call from the wireless alarm centre.

When set to **N**, the user can still use the remote commands for the voice dialler, but not the remote control options.

Call-in control

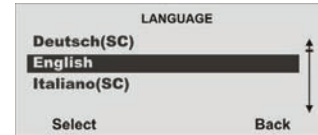
When set to **Y**, the user can call the wireless alarm centre remotely. A user can send commands using the telephone keypad after identifying themselves to the wireless alarm centre with an access code.



When "Call-in control" is set to "Y", the wireless alarm centre does not answer any incoming calls from the downloader.

17.3 Selecting a language

Select the desired language.



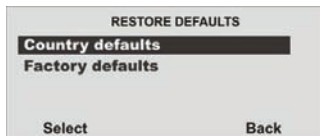
17.4 Default settings

Select the corresponding functions from the table.

Function	Input
Deactivate system	#0*0
Activate system	#0*1
Activate system internally	#0*2
Disable sirens	#1*0
Reset system	#1*1
Query system	#3*
Switch ON output nn	#9*nn*1
Switch OFF output nn	#9*nn*0
Switch output nn	#9*nn*



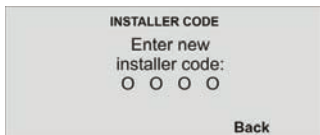
The system loads all default settings (apart from the access codes) and the log.
The log is write-protected and cannot be deleted by the installer.



Function	Meaning
Country defaults	After confirming the "Country defaults", a list of different countries is displayed. Each country has its own alarm settings. This option can be used to select the default settings for a certain country. Select the country where the alarm centre is installed. For Austria or Switzerland, select D. The setting does not relate to the language selected.
Restore Defaults	Confirm this function to reset all settings to the factory defaults for the selected country.

17.5 Installer code

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

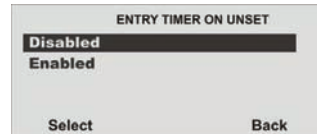


The default installer code is 7890. Security Center recommends changing this code to one of your choice.

The installer code allows access to the installation menu and can be used to carry out an installer reset. The installer code cannot be used to **activate or deactivate** the system.

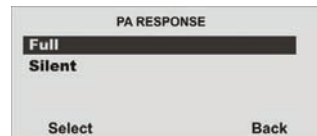
17.6 Deactivation in the event of delays

Select whether deactivation of the alarm system using the remote control is only possible when the delay time was previously started (trigger of entry or exit zone). If this function is deactivated, then the system can also be deactivated when the delay time is not running.



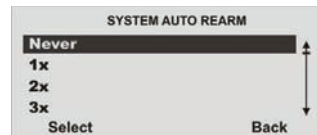
17.7 PA response

Select whether an **external alarm is also made** in the case of a panic alarm (Full), or whether **only a telephone message** is sent (Silent).



17.8 Auto rearm

Select how often the system should reactivate itself following expiry of the alarm time (siren duration).



The system activates all closed zones again, but not the detectors that still send alarm signals.

When the system is reactivated, an acoustic internal alarm is emitted by the wireless alarm centre instead of the normal entry tone when a user enters the property.

17.9 Siren Delay

Select whether the siren is to start immediately or after the selected delay time following the triggering of a local or external alarm.



17.10 Siren Time

Select how long the siren should sound when a local or external alarm is triggered.

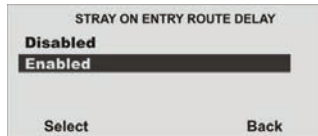


17.11 Stray on ent dly

Additional delay when the entry delay time is exceeded or the entrance to the property differs.

Select whether an **additional 30 seconds** is allowed **before an external alarm is triggered** after the delay time is exceeded or a different entrance path is used. If this function is activated, only an internal alarm is triggered after expiry of the entry delay time or when other zones are triggered. If this function is deactivated, an internal alarm is triggered immediately after expiry of the entry delay time or when other zones are triggered.

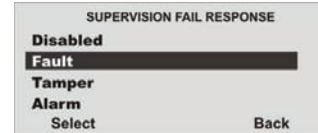
This option is used to fulfil the demands listed under guideline EN 50131-1.



When this option is activated, the wireless centre prevents the user from activating the system when a detector has lost contact with the wireless centre for more than 15 minutes.

17.12 Supervision

The alarm centre monitors whether the detector is present and active. Wireless detectors send a message every 10 minutes and WAMs send a message every 4 minutes. When the status message is disabled, the alarm centre is in charge.



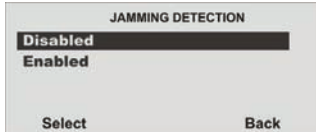
When the detector message is lost for more than **two hours**, then this is classified as **Fault, Tamper or Alarm**:

Function	Meaning when system is activated	Meaning when system is deactivated
Deactivated	No response.	No response.
Fault	Fault is reported by telephone.	Fault is reported on the 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.

This option is used to fulfil the wireless supervision demands listed under guideline EN 50131-3.

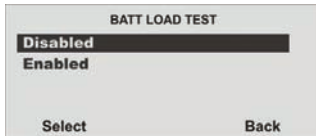
17.13 Jamming

Select whether the alarm system should display a warning in the case of jamming detection. If this function is enabled, a warning is shown on the display if jamming is detected.



17.14 Batt Load Test

Select whether the alarm system should 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.



When the wireless centre communicates or plays / records a message, the test is delayed until these activities are finished. If no mains power is present, the wireless centre makes the test as soon as it is reconnected.

17.15 Siren in PSet

When **Activated** is selected, the alarm system also starts a local alarm when activated internally.

When the function is **deactivated**, only an internal alarm is triggered when the system is activated internally. When programmed, transmission of the alarm to a security centre (optional) is made every time.



17.16 Force Set



When **On** is selected, the **zones** with the “**Z**” zone attribute are **automatically hidden** when the alarm system or partition is activated (provided the zones are open). When **Confirm** is selected, the **zones** with the “**Z**” zone attribute are **automatically hidden** when the alarm system or partition is activated (provided the zones are open). You must **confirm this procedure** to activate the system or partition and hide the zones. Press the active key on the remote control **twice**. **This setting must not be used when a wireless cylinder is implemented.** When **OFF** is selected, it is **not possible** to activate the alarm system or partition when at least **one zone is open**, even when this is programmed with the “**Z**” zone attribute.



When “Force Set” is activated, the system does not comply to EN50131.

17.17 RF Siren Options

This menu is used to select how the wireless siren responds in case of fire, burglary or panic alarms. There are two possibilities here:

Siren+Strobe

The siren **and** strobe are activated by the wireless siren in the event of an alarm.

Strobe

Only the strobe is activated by the wireless siren in the event of an alarm.

18. IP Network

When an ethernet or GPRS module is attached, this menu allows the user to allocate the wireless centre an individual IP address. This is then used for IP alarms or the IP download.



Before programming the wireless centre using the IP network, please ensure the following:

1. You have understood the basic IP terminology.
2. You have received the necessary information from your Internet service provider.

With an installed **ethernet module**, the menu contains the following options:

IP Address

Enter the individual IP address of the wireless alarm centre. The IP address consists of four groups. Each group is three digits long and separated from the next group by a "dot", e.g. "192.168.000.001". Press "*" to enter the dot.



If you leave this field blank, the wireless alarm centre uses DHCP (Dynamic Host Control Protocol) to obtain the IP address from the DHCP server.

IP Port Number

Enter the port number. This is the port that the alarm centre "listens to" if a downloader application tries to establish a connection to the alarm centre via the Internet. The format is a number which can be up to 5 digits long. The default port is 55132.

IP Subnet Mask

Enter the subnet mask as needed (e.g. 255.255.255.000). This number has the same format as the IP address.

Gateway IP Address

Should one be required, enter the gateway IP address. This number has the same format as the IP address.



When the data detailed above has been entered, you can see which IP address has been given by the wireless alarm centre by accessing "System Options" -> "About Comms" in the user menu.

With an installed **GPRS module**, the menu contains the following options:

IP Address

Enter the individual IP address of the wireless alarm centre, or leave blank. The IP address consists of four groups. Each group is three digits long and separated from

the next group by a "dot", e.g. "192.168.000.001". Press "*" to enter the dot.

IP Port Number

Enter the port number or leave blank. This is the port that the alarm centre "listens to" if a downloader application tries to establish a connection to the alarm centre via the Internet. The format is a number which can be up to 5 digits long. The default port is 55132.



The wireless alarm centre has no IP address on delivery. The data is transmitted by the service provider following the first successful connection over GPRS.

GPRS APN

Enter the corresponding address (Access Point Name) for your network here.

GPRS Username

Enter your user name here.

GPRS Password

Enter your password.

Consult your service provider for your GPRS data!



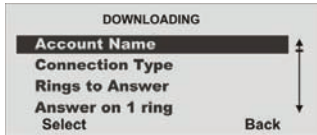
When the data detailed above has been entered and the connection has been made, you can see which IP address has been given by the wireless alarm centre by accessing "System Options" -> "About Comms" in the user menu.

19. Download settings

Select the corresponding function. For a list of functions and their attributes, see the table below.



Select "Download".



Function	Meaning
Account Name	The account name is allocated by the download software in order to guarantee a secure connection. The account name is displayed as soon as it is entered.
Connection Type	Defines whether the connection is direct via USB cable or telephone.
Rings to Answer	If the analogue line is not used exclusively for remote maintenance, the setting defines when the wireless alarm centre accepts the call.
Answer on 1 ring	If this function is enabled, the call to remote maintenance is made in two steps. The software calls the wireless alarm centre and waits for two rings. The centre now waits for a second call and accepts this call immediately.
Access Mode	Defines which type of connection setup should be made by telephone.
Phone Book	Enter two numbers here. One is used for secure callback.
IP Network	Enter the data here if the downloader should communicate with the wireless alarm centre using the Internet protocol.
Secure Callback	Enable this function to start the connection from the wireless alarm centre.
Modem Baud Rate	Sets the baud rate of the modem on the PC that performs remote maintenance.

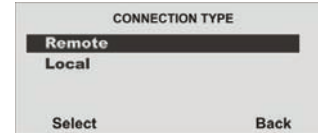
19.1 Account Name



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

19.2 Connection Type

Select whether the connection between the PC and the wireless centre should be made via telephone line (remote) or directly between the PC and the alarm centre via USB cable (local).



When remote dialling is used, "Rings to Answer" and "Answer on 1 ring" must be programmed (please note that "Secure Callback" does not work with this option).

This option does not work when "Call-in control" is set to "Yes" under remote access.

When dialling locally, the wireless alarm centre exits the "Connection Type" menu if the downloader does not make a call within 30 minutes.

19.3 Rings to Answer

Select when the wireless alarm centre should accept a call. To select a number of rings, press **Select**.



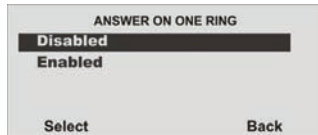
If the value is set to 255, the alarm centre never answers the call.

19.4 Answer on 1 ring



“Secure Callback” must be deactivated (default) until the first accompanying upload is made. This first upload can be made in the user menu or installation menu. The downloader operator can use “Secure Callback”, even when the alarm system is programmed to accept calls automatically.

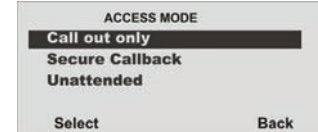
Select when the wireless alarm centre should accept a call. To select **Answer on 1 ring**, press **Select** under the display.



If this function is enabled, the call to remote maintenance is made in steps. The software calls the wireless alarm centre, waits for two rings and then hangs up. This activates the alarm system to accept the call. If the next call arrives within 10 to 90 seconds, the alarm centre accepts the call immediately. This skips the “Rings to Answer” function.

19.5 Access Mode

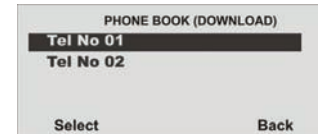
Select which functions are used for the remote maintenance access mode over remote data transmission (see table).



Function	Meaning
Call out only	The wireless alarm centre cannot be called from outside for remote maintenance. A call to the remote maintenance PC must be made manually over the user menu.
Secure Callback	With this setting, the remote maintenance call is started from the alarm centre by the remote maintenance PC. The alarm centre is called by the remote maintenance PC. A call is connected where the alarm centre checks the remote maintenance authorisation. If the parameters are OK, the alarm centre hangs up and calls the phone number in the phone book. Remote maintenance can now be carried out.
Answer on 1 ring	The alarm centre accepts the call after the defined number of rings or according to the selected dial-in function.

19.6 Phone Book

Select which number should be changed.



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

19.7 IP Network

If an ethernet module is attached to the wireless alarm centre, then it is possible for the downloader to communicate with the wireless alarm centre using the Internet protocol. This menu allows you to save two IP addresses that can be called by the wireless alarm centre to start a download. The user starts the call by dialling one of the IP addresses. The available options are as follows:

IP Address 1

Enter the IP address used by the downloader. The IP address consists of four groups. Each group is three digits long and separated from the next group by a "dot", e.g. "192.168.000.001". Press "*" to enter the dot.

IP Port 1

Enter the port number of IP address 1. This port "listens to" the downloader on the remote PC.

IP Address 2

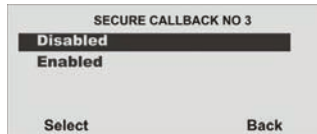
Enter an alternative IP address used by the downloader.

IP Port 2

Enter the port number used by the alternative IP address.

19.8 Secure Callback

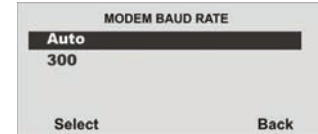
Select the **Secure Callback** menu item.



Select whether or not the alarm centre receives a third callback number from the remote maintenance PC. When the downloader is connected, it transfers the number to the alarm centre. The alarm centre then uses this number to call back 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.

19.9 Modem Baud Rate

Select the baud rate (bps) for data transmission. If you do not know the baud rate of your modem, select "Auto". The alarm centre sets the baud rate automatically. If the connection runs with problems, we recommend setting a lower baud rate. In this case, set the value to 300.



20. Reporting

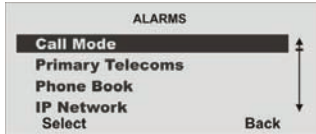
Select the corresponding function. For a list of functions and their attributes, see the table below.



Function	Meaning
Alarms	Settings for the transmission of logs to an ARC.
Social Care	Settings for the transmission of social care messages.
Speech Dialler	Settings for the transmission of voice messages (voice dialler).
SMS	Settings for the transmission of text messages (SMS).
Line Fault	Settings for the transmission of telephone faults.

20.1 ALARMS

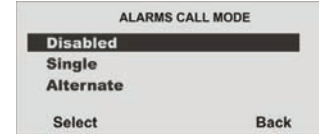
Select the corresponding function. For a list of functions and their attributes, see the table below.



Function	Meaning
Call Mode	Settings for reporting alarm messages.
Primary Telecoms	Settings for the primary transmission path of alarm reporting.
Phone Book	Used for selecting a phone number for transmitting alarm messages.
IP Network	Settings for transmission over the Internet.
Account Numbers	Used for entering the customer account numbers from the command centre.
Report Type	Used for entering the digital command centre report for transmission of alarms to the command centre.
Fast Format Channel	Settings within the Fast Format report.
FF Report Restorals	Settings within the Fast Format report for resetting.
SIA Report Mode	Settings within the SIA report.
SIA Report Restorals	Settings within the SIA report for resetting.
Contact ID Reports	Settings within the Contact ID report.
Force Test Call Now	Starts a test call immediately.
Dynamic Test Call	Settings for the dynamic test call.
Static Test Call	Settings for the static test call.
Burg Comms Rearm	Settings for automatic reactivation of the transfer in the Fast Format report.
Send Tamper as Burg	Settings for transmitting a tamper alarm as a burglar alarm.

20.2 Call Mode

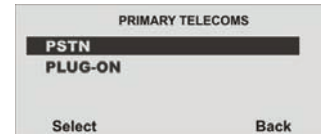
Select the corresponding function. For a list of functions and their attributes, see the table below.



Function	Meaning
Deactivated	No alarm messages are transmitted to the command centre.
Single	The alarm centre transmits alarm messages to the first phone number in the phone book together with the first account number for identification. If transmission if not confirmed, the centre repeats the call up to 15 times .
Alternate	The alarm centre 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.

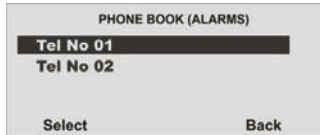
20.3 Primary Telecoms

Select which primary transmission path should be used. This transmission path is used as long as transmission is possible using it.



20.4 Phone Book (ALARMS)

Select which number should be changed. Enter the callback number of the command centre that you received for transmitting the respective report. Press the star key to enter a dial pause. Each dial pause interrupts the dial procedure for 3 seconds.



20.5 IP Network

IP address for alarm messages

When an ethernet module is attached, the wireless alarm centre can report alarms to a suitable receiver over the Internet. There are two types of receivers, an IRIS Polling Engine or a special application that runs on the PC of the alarm reception. A separate IP address must be saved for each receiver type. Two IP addresses can be entered when communicating with the alarm reception using a receiver. The wireless alarm centre sends data to the second IP address in the alarm reception when the call to the first IP address fails and *Reporting, Alarms, Call Mode, Alternate* is selected.

This menu also offers a storage location for the character string used by the receiver to identify each individual wireless alarm centre. This identification code depends on the account number of the alarm reception.

The available options are as follows:

Wireless alarm centre name

Enter a character string of up to 32 characters. This character string must be unique for each wireless centre that communicates with a receiver.

IP address of the Polling Engine

Enter the IP address of the IRIS Polling Engine. The IP address consists of four groups. Each group is three digits long and separated from the next group by a "dot", e.g. "192.168.000.001". Press "*" to enter the dot.

IP address 1 of the alarm reception

Enter the main IP address of the alarm reception.

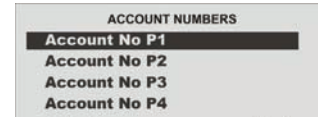
IP address 2 of the alarm reception

Enter the alternative IP address of the alarm reception.

20.6 Account Numbers

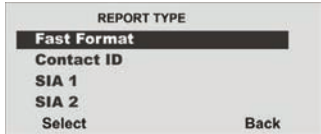
Enter the account number that you have received for transmitting from the command centre.

Select which account number should be changed.



20.7 Report Type

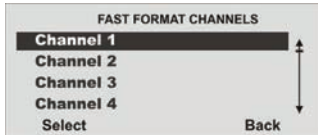
Select the report type to be used for digital alarm transmission to the command centre. The command centre usually indicates which type of report to select. The available report types are as follows:
Fast Format Channel, Contact ID Reports, SIA Level I, SIA Level II, SIA Level III, Extended SIA Level III and CID in SMS.



When "CID in SMS" is selected, then the phone number of the alarm reception must be entered under "Reporting -> Alarms -> Save Phone Book". The SMS protocol must also be entered under "Reporting -> SMS -> PSTN-SMS" and the SMS service centre number must be saved. For more information on PSTN-SMS protocols and the SMS service centre number, see section 10.10.4.6.

20.8 Fast Format Channel

Select an item and assign an alarm to the channels of the Fast Format report.



Each of the eight channels can be assigned one of the following attributes:

Not Used
Fire
Panic
Burglary
Sets/Unsets
Technical Alarm
RF Battery Failure
RF Supervision Loss
RF Jamming
Network Error (see note 3)

Tamper Alarm

Unset (see note 1)

Set (see note 1)

Zone Omitted (see note 2)

Medical Alarm

Key Box



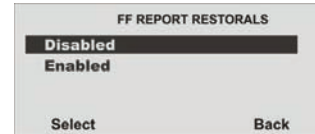
1. Open and close have the same functions as "Open/Close", but are made on two separate channels.
2. Zone blocked: The wireless alarm centre sends this signal for five seconds when the user blocks a zone.
3. The wireless alarm centre either delays the reporting or logging of network errors, or exits the installation menu with a network error after 15-18 minutes (random selection). In Germany, the wireless alarm centre waits at least 60 minutes before reporting.

The channels are preset as follows:

Channel	Setting
1	Fire
2	Panic
3	Burglary
4	Enabled / Disabled
5	Omit
6	Not Used
7	Not Used
8	Technical

20.9 FF Report Restorals

Select whether the restoration of a function (closing of an alarm zone, error clearance) should be transmitted to the command centre. If this function is disabled, only faults or alarms are transmitted to the command centre but not the restoration (OK message) of this function.



20.10 SIA Report Mode

Select this, then select the **Level** of the transmission. The following table details which events should be transmitted for the SIA 1 report.



Trigger	Basic SIA code without zone no. or user	Sum SIA code without zone no. or user	Middle SIA code with zone no. and user	Complete SIA code with zone no. and user
Medical control panel	MA	MA	MA	MA
Fire	FA	FA	FA	FA
Fire control panel	FA	FA	FA	FA
Fire control panel OK	-	FR	FR	FR
Fire OK	-	FR	FR	FR
Panic	PA	PA	PA	PA
Panic control panel	PA	PA	PA	PA
Panic control panel OK	-	PR	PR	PR
Panic OK	-	PR	PR	PR
Burglary	BA	BA	BA	BA
Burglary OK	-	-	BR	BR
Cover tamper contact	-	TA	TA	TA
Cover tamper contact OK	-	-	TR	TR
Tamper ext. siren	-	-	TA	TA
Tamper ext. siren OK	-	-	TR	TR
Tamper sensor	TA	TA	TA	TA
Tamper sensor OK	-	-	TR	TR
Tamper system	-	TA	TA	TA
Tamper system OK	-	-	TR	TR
Key box open	-	-	BA	BA
Key box closed	-	-	BR	BR
Technical alarm	-	UA	UA	UA
Technical alarm OK	-	UR	UR	UR
Power failure	-	-	-	AT
Power failure OK	-	-	-	AR
Reset	-	OR	OR	OR
Battery fault	-	-	-	YT
Battery fault OK	-	-	-	YR

Battery missing	-	-	-	YM
Battery missing OK	-	-	-	YR
ISDN/GSM fault	-	-	-	LT
ISDN/GSM fault OK	-	-	-	LR
PSTN fault	-	-	-	LT
PSTN fault OK	-	-	-	LR
Jamming	-	-	XQ	XQ
Supervision fault	-	-	BZ	BZ
Supervision fault OK	-	-	-	-
RF battery fault	-	-	XT	XT
Set	-	CL	CL	CL
Internal active	-	CL	CL	CL
Unset	-	OP	OP	OP
Key switch set	CS	CS	CS	CS
Key switch unset	OS	OS	OS	OS
Download successful	-	-	RS	RS
Tamper user code	-	JA	JA	JA
Omit zone	BB	BB	BB	BB
Man. trigger test report	RX	RX	RX	RX
Period. test report	RP	RP	RP	RP
Time / day changed	-	-	-	JT
Prog. mode start	-	LB	LB	LB
Prog. mode end	-	LS	LS	LS
User code changed	-	-	-	JV
User code deleted	-	-	-	JX
Default password setting loaded	-	-	RH	RH
End time limit	EA	EA	EA	EA



The following connection is recommended in Germany and Austria:

Under "Report Type", select **SIA 1**

Under **SIA Report**, select **Basic**

The codes are now transmitted according to the table **without zone numbers and users**.

Under **SIA Report**, select **Sum**

The codes are now transmitted again according to the table **without zone numbers and users**.

Under **SIA Report**, select **Middle**

The codes are now transmitted again according to the table **with zone numbers and users added**.

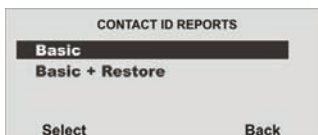
20.11 SIA Report Restorals

Select whether the restoration of a function (closing of an alarm zone, error clearance) should be transmitted to the command centre. If this function is disabled, only faults or alarms are transmitted to the command centre but not the restoration (OK message) of this function.



20.12 Contact ID Reports

Select whether the restoration of a function (closing of an alarm zone, error clearance) should be transmitted to the command centre. If only the basic function is enabled, only faults or alarms are transmitted to the command centre but not the reset of this function.



All transmitted messages are listed in the table. If “Basic + Restore” is selected, then all messages plus their reset command are transmitted.

Trigger	CID Basic code with zone no. and user	CID Basic + Restore code with zone no. and user
Medical control panel	100	100
Fire	110	110
Fire control panel	110	110
Fire control panel OK	-	110
Fire OK	-	110
Panic	120	120
Panic control panel	120	120
Panic control panel OK	-	120
Panic OK	-	120
Burglary	130	130
Burglary OK	-	130
Cover tamper contact	137	137
Cover tamper contact OK	-	137
Tamper ext. siren	137	137
Tamper ext. siren OK	137	137
Tamper sensor	137	137
Tamper sensor OK	137	137
Tamper system	137	137
Tamper system OK	137	137
Key box open	150	150
Key box closed	150	150

Technical alarm	-	150
Technical alarm OK	150	150
Power failure	301	301
Power failure OK	-	301
Reset	305	305
Battery fault	311	311
Battery fault OK	-	311
Battery missing	311	311
Battery missing OK	-	311
ISDN/GSM fault	351	351
ISDN/GSM fault OK	-	-
PSTN fault	351	351
PSTN fault OK	-	-
Jamming	380	380
Supervision fault	381	381
Supervision fault OK	-	-
RF battery fault	384	384
Set	401	401
Internal active	401	401
Unset	401	401
Key switch set	409	409
Key switch unset	409	409
Download successful	412	412
Tamper user code	461	461
Omit zone	573	573
Man. trigger test report	601	601
Period. test report	602	602
Time / day changed	625	625
Prog. mode start	627	627
Prog. mode end	628	628
User code changed	-	-
User code deleted	-	-
Default password setting loaded	-	-
End time limit	-	-

When the “CONTACT ID Basic” report type is selected, the codes are transferred according to the table including the zone numbers and users.

20.13 Force Test Call Now

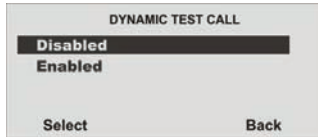
Use this option to start a test call **immediately** on the wireless alarm centre. Select the **Force Test Call Now** menu item.

When **Force Test Call Now** is confirmed with **Select**, the wireless alarm centre opens communications with the emergency command centre immediately.

20.14 Dynamic Test Call

Select whether the wireless alarm centre should make a test call every 24 hours.

If the function is **enabled**, the call is made **every 24 hours** following the last transmission.



The dynamic test call has the advantage that a test transmission is only made to the command centre when no transmissions have been made in the previous 24 hours. If the "Enable/Disable" transmission is programmed, then it can occur that no test transmissions are made for several days when the system is enabled or disabled once per day.

20.15 Static Test Call

When a static test call is selected, the system makes a test call at a certain time or day of the month.

To make a test call at a specific time **every day**, select *Reporting -> ALARMS -> Static Test Call -> Daily*.

Enter a number between 01 and 24 on the display to select the call time. For example, when 20 is entered, the wireless alarm centre makes a static test call at 20:00 every day.

To make a test call **once per month**, select *Reporting -> ALARMS -> Static Test Call -> Monthly*.

Enter a number between 01 and 31 on the display to select the day of the month where the test call should be made. The wireless alarm centre makes a test call at 01:00 on the selected day.

Please note that the wireless alarm centre makes the call arbitrarily up to 16 minutes before or after the defined time. This ensures that the alarm reception is not overloaded with test calls from systems set at the same time.

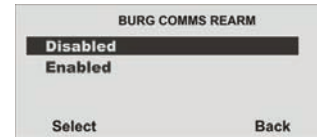
Select

Reporting -> ALARMS -> Static Test Call -> Disabled
to deactivate static test calls.

20.16 Burg Comms Rearm

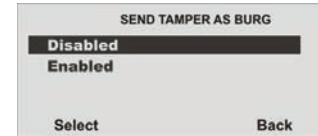
Select whether the alarm centre should reset channel 3 (burglary) of the Fast Format report following expiration of the delay time and then rearm it in the event of a new

alarm. If this function is enabled, all zones in the alarm state are hidden. If the function is disabled, then this channel is also disabled until the alarm centre is deactivated and reset.



20.17 Send Tamper as Burg

Select whether the wireless alarm centre should transmit a tamper alarm as a burglar alarm. This is important since there are command centres that cannot evaluate the resetting of a tamper alarm. If this function is enabled, then a burglar alarm is transmitted in the event of a tamper message (BA (SIA) or 130 (contact ID)).



20.18 No Transmission

20.19 Social Care



This setting must only be selected when transmitting to a social care unit using a digital protocol. For voice message transmission, select the next menu item (Configuring speech dialler).

The wireless alarm centre sends a social care message for the following alarm types:

Emergency

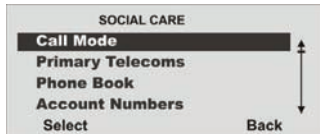
The user presses Social Care on the control panel or activates an emergency call transmitter (pendant). The wireless alarm centre then reports this to the emergency call centre with the SOCIAL CARE KEY event (SCANCOM channel 2).

Activity

A zone with the activity monitoring attribute is triggered when inactivity is detected in a programmed zone (see zone type).

Whilst the system is deactivated, the wireless alarm centre checks whether this zone reports any activity. If the zone remains inactive for longer than the pre-programmed time (see point 10.11), then the wireless centre reports a medical alarm and sends an INACTIVITY MESSAGE (SCANCOM channel 3) to the emergency call centre. When the system is activated, the activity monitoring zone is used as a normal alarm.

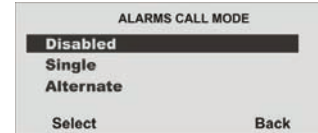
Select the corresponding function. For a list of functions and their attributes, see the table below.



Function	Meaning
Call Mode	Setting for reporting emergency messages.
Primary Telecoms	Settings for the primary transmission path of emergency messages.
Phone Book	Used for selecting a phone number for transmitting emergency messages.
Account Numbers	Used for entering the customer account numbers from the command centre.
Report Type	Used 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.

20.20 Call Mode

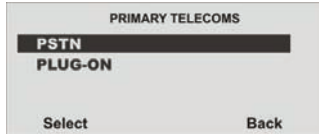
Select the corresponding function. For a list of functions and their attributes, see the table below.



Function	Meaning
Deactivated	No social care messages are transmitted to the social care unit.
Single	The alarm centre transmits social care messages to the first phone number in the phone book together with the first account number for identification. If transmission is not confirmed, the alarm centre repeats the call up to 15 times.
Alternate	The alarm centre first transmits social care messages to the first phone number in the phone book. If the line is busy, then the social care message 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.

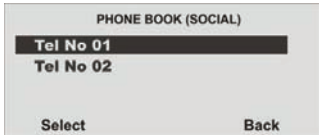
20.21 Primary Telecoms

Select which primary transmission path should be used. This transmission path is used as long as transmission is possible using it.



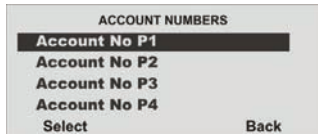
20.22 Phone Book (Social Care)

Select which number should be changed. Enter the callback number of the command centre that you received for transmitting the respective report. Press the star key to enter a dial pause. Each dial pause interrupts the dial procedure for 3 seconds.



20.23 Account Numbers

Select which **account number** should be changed.



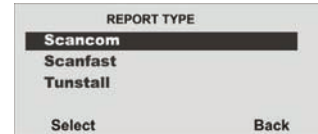
Enter the account number that you have received for transmitting from the command centre.

Save all account numbers that should be transmitted by the wireless alarm centre during a social care report.

An account number can be eight characters long when reporting social care messages. When the **Scancom** or **Scanfast** report types are used (see below), then the wireless alarm centre uses the last four to six characters of the account number. When four characters are entered, then the wireless alarm centre only uses these four characters. When five characters are entered, the wireless centre adds a zero to the front of the number (number now has six digits). When the **Tunstall** report type is used, the wireless centre adds zeroes to the front of the number to increase shorter account numbers to eight characters.

20.24 Report Type

Select a report. For a list of report types and their attributes, see the table below.



After transmitting the alarm according to the selected digital report type, the wireless alarm centre opens an audio channel. Depending on the report type selected, various functions are now available.

Function	SCANCOM	SCANFAST	TUNSTALL
Talk	DTMF tone "2"	Not available	DTMF "C"
Listen	DTMF tone "1"	Not available	DTMF "*"
Toggle	DTMF tone "*"	Not available	Not available
Confirm call	DTMF tone "5"	Not available	DTMF "#"
Playback basic message	DTMF tone "3"	Not available	Not available

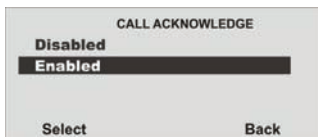


Social care messages can be triggered in the following ways:

1. The wireless alarm centre reports to the social care unit when the **Social Care** communication mode is activated. For example, the SCANCOM report contains a channel 8 in order to show that a two-way voice path is available. The wireless alarm centre opens a two-way voice channel at the end of the report, and leaves it open until the wireless centre receives a DTMF command "5" or a time lock is made. The social care centre can send commands to the wireless alarm centre by using DTMF tones during the two-way voice call. The available commands are found in the following table.
2. To identify the caller, the wireless alarm centre sends the home message (see "Speech Dialler"). Please note that you must use the speech dialler menu to record the home message.
3. The wireless alarm centre sends an SMS message (see SMS communication)

20.25 Call Acknowledge

Select whether the social call must 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.



20.26 Speech Dialler

The "Speech Dialler" function of the wireless alarm centre 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.

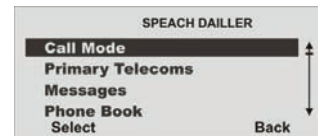
The wireless alarm system has an installed speech dialler. Using the internal microphone, the wireless alarm centre can record five voice messages and send them to up to four pre-programmed phone numbers to report an alarm. One message is designated as a "home message", and is always played at the start of a transmission. This message should be used to identify the wireless alarm centre and its location. The remaining four messages can be used to record the triggers that cause an alarm (e.g. "Fire" or "Social Care"). The wireless alarm centre plays these messages after the home message. The alarm centre can record up to 12 seconds of speech for the home message and up to 8 seconds for each alarm message. When programming the

speech dialler, connect each message with the specific alarm type to be reported. Select a target set for each message. Each target then corresponds to one of the telephone numbers to be dialled (see also the overview of the "Reporting" menu point in the installer menu for speech diallers at the end of the manual).

When social care or inactivity starts the voice message, the alarm centre also opens a voice path to the called number. Using the telephone keypad, the recipient of the voice messages can control the connection by sending back DTMF tones to the alarm centre. The available commands are as follows:

Function	Button
Talk	DTMF "2"
Playback	DTMF "4"
Toggle	DTMF "*"
End call	DTMF "5"
Playback home message and alarm message	DTMF "3"
Switch off all calls	DTMF "9"

Select the corresponding function. For a list of functions and their attributes, see the table below.



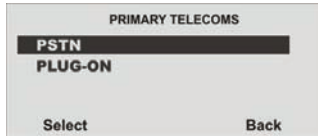
Function	Meaning
Call Mode	Setting for transmitting voice messages.
Primary Telecoms Messages	Settings for the primary transmission path of the voice messages.
Messages	Recording of messages for voice messages.
Phone Book	Used for entering phone numbers where voice messages should be sent.
Trigger	Used for linking the voice message to a trigger.
Destinations	Used for linking the voice message to a phone number.
Call Acknowledge	Setting for confirming the voice message.

20.27 Call Mode

Function	Meaning
Deactivated	The voice dialler is deactivated.
Activated	The voice dialler is activated.

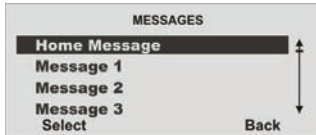
20.28 Primary Telecoms

Select which primary transmission path should be used. This transmission path is used as long as transmission is possible using it.



20.29 Messages

Select the corresponding function. For a list of functions and their attributes, see the table below.



Function	Meaning
Home Message (approx. 12 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 centre here (name, address, city).
Trigger message 1-4 (each approx. 8 sec)	Recording of messages for different triggers. Four messages are available. For example, record "Fire alarm", "Burglar alarm" etc.

At least one home message and one trigger message must be recorded. Do not forget to save the message following recording.

20.30 Phone Book

Enter the phone numbers to be dialled. Phone numbers are assigned to messages under the "Destinations" menu item. Press the star key to enter a dial pause. The dial pause is displayed as a comma. Each dial pause interrupts the dial procedure for 3 seconds.

The wireless alarm centre can then be used to enter a name for this number. The alarm centre shows these names in the phone book so that you can see which destination was used for the message.

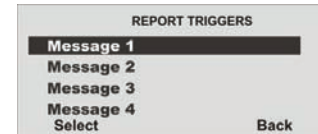
Please note that the last telephone number is designated as the **Follow me** number. The wireless centre shows this number in the user menu. The user can enter a new number in this field. This allows the user to forward all voice messages programmed for this field.

20.31 Trigger

Up to five different triggers can be connected to each voice message using the wireless alarm centre. A trigger is an option that can be selected from a list of alarm types.

Select the **Trigger** menu point.

After **Trigger** has been confirmed with the **Select** button, the following graphic display is shown: (Please note that the home message does not appear. This is always sent by the alarm centre at the start of every transmission.)



Select a **Message** where a **Trigger** should be allocated.

At this point, you link a message with an event (trigger). Select the message to be programmed. A list of five triggers is then shown on the display. Select a trigger. A list of available alarm triggers is then shown. Select one of these for this trigger. After selection of the alarm trigger, the list of triggers is shown again on the display. An alarm trigger can be programmed for each of the five triggers in the list. When an alarm is selected for each trigger, the alarm triggers are connected to the triggers and one or more triggers are connected to a message.

Carry out this assignment for all four messages. After assigning a recorded voice message to an event (trigger), assign it to one or more phone numbers to be dialled in the event of an alarm trigger.

20.32 Destinations

Select a message where one or more phone numbers should be assigned.



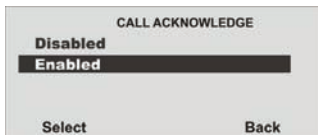
After selecting a message, an overview of the phone numbers entered previously under "Phone Book" is displayed. If the telephone number has been given a name, then this is shown in the display instead of the running number. Select to which of the displayed telephone numbers the voice message should be sent. Mark phone numbers to be called in the event of an trigger for this voice message with **YES**.



Five voice messages are available in total. The home message is always transmitted first by the alarm centre. The alarm centre then transmits message 1, 2, 3 or 4 to the selected phone number.

20.33 Call Acknowledge

Select whether the alarm transmission of the voice message must be confirmed by the receiver or not.



When the called party answers a call from the voice dialler, they can end the call by sending back a DTMF "5" (see section 10.10.3.8). When the "Call Acknowledge" function is **activated**, the wireless centre **ends** the call to **this number** when it has received a **DTMF "5"**. When the centre does not receive a DTMF "5", then it attempts to make a further call (up to three times). When the "Call Acknowledge" function is **activated**, the wireless centre **ends** further call attempts to **this number** as soon as it determines that a **call is answered** (i.e. when the **receiver has answered**). The called party can use DTMF "5" to end the call. Please note that the wireless centre now calls **all other programmed numbers** on the voice dialler **after receiving a DTMF "5"**. To **prevent** calls to other programmed numbers on the voice dialler, the called party can confirm a call by sending back a **DTMF "9"**. The wireless centre stops all further call attempts after receiving the "9" signal.

20.34 Alarm call with voice message

It may take several seconds until the text message is announced when an alarm call with voice message is received. After the announcement of the text message, an audio connection is established. Consult the following table for details on controlling after establishment of the audio connection. Please remember that an alarm call may need to be confirmed on the telephone by pressing "5" or "9".

Talk	DTMF tone "2"
Listen	DTMF tone "1"
Toggle	DTMF tone "6"
End call	DTMF tone "5"
Playback home message and alarm message	DTMF tone "3"
Switch off all calls	DTMF tone "9"

20.35 SMS

In addition to alarm transmission by digital report or voice text, the alarm centre can also send a trigger by SMS. The alarm centre can send alarm messages by SMS to any of the four phone numbers. Each alarm message is an individual SMS message comprised of the following elements:

A home message and the message itself.

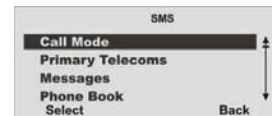
(The alarm centre must be programmed with the contents of these messages.)

The text of the report entry that corresponds to the trigger that caused the alarm.

The time and date of the alarm.

The name of the zone that caused the alarm.

Select the **SMS** menu item.



Select the corresponding function. For a list of functions and their attributes, see the table below.

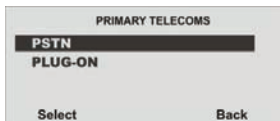
Function	Meaning
Call Mode	Setting for transmitting text messages (SMS).
Primary Telecoms	Settings for the primary transmission path of the SMS message.
Messages	Used for entering the text message via the keypad.
Phone Book	Used for entering phone numbers where SMS messages are to be sent.
SMS Trigger	Used for assigning an SMS message to one or more triggers.

20.36 Call Mode

This option is used to activate or deactivate SMS communications.

20.37 Primary Telecoms

Select which primary transmission path should be used. This transmission path is used as long as transmission is possible using it.



20.38 Messages

Select the corresponding function. For a list of functions and their attributes, see the table below.



Function	Meaning
Home Message	The home message can be 12 characters long. Use the text to identify the wireless alarm centre. The alarm centre sends the home message text to each telephone number programmed for SMS messages. The alarm centre sends the home message text at the beginning of each SMS message.
Trigger message 1-4	Each numbered message can be 30 characters long. Enter a message that relates to the type of alarm trigger selected.

20.39 Phone Book

Enter the phone numbers to be dialled.

The alarm centre sends as follows:

- Message 1 to phone number 1**
- Message 2 to phone number 2**
- Message 3 to phone number 3**
- Message 4 to phone number 4**

Press the star key to enter a dial pause. The dial pause is displayed as a comma. Each dial pause interrupts the dial procedure for 3 seconds. The display can then be used to enter a name for this number. The alarm centre shows these names in the phone book so that you can see which destination was used for the message.

20.40 SMS Triggers

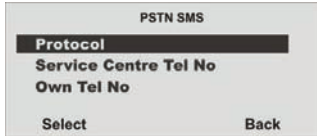
Select a trigger. For a list of triggers and their attributes, see the table below. **A set of alarm triggers can be connected to each message. "Y" can be entered next to more than one trigger in the list.**



Trigger	Meaning
Tamper	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 centre is activated/deactivated.
System	Transmits an SMS in the event of a system trigger.

20.41 PSTN SMS

If SMS messages should be sent over the PSTN line but no GSM module is attached, then additional data must be programmed in this menu. It is possible to send SMS messages over many analogue telephone connections. To do this, the connection must be authorised and all telecommunications devices between the APL or first TAE sockets and the alarm system must support the CLIP function.



Select the corresponding function. For a list of functions and their attributes, see the table below.

Function	Meaning
Report Type	Select the protocol specified by your SMS service centre. The available options are as follows: TAP 8N1, TAP 7E1, UCP 8N1 and UCP 7E1.
Service Center Tel No	Enter the provided phone number of the service centre. The service centre number and protocol must be identical. Consult the technical support team of the service provider you wish to use. When asking for the service centre phone number, also ask which protocol is supported. When necessary, press the star key to enter a two second pause. This is displayed as a comma.
Own Tel No	Some service centres require the calling number before they accept a processing request for an SMS. This is also used for the clear charging of SMS messages. Enter the phone number of the analogue line here.

Ask your chosen service provider for the protocol used and the SMS service centre number. Some examples are listed below.

- For T-Com (Germany), select protocol TAP8N1 (service centre 01712521001)
- For Anny Way (Germany), select protocol UCP8N1 (service centre 09003266900)
- For Austria, select protocol TAP7E1 (service centre 0900664914)
- For Denmark, select protocol UCP8N1 (service centre 9011201)
- For Switzerland, select protocol UCP8N1 (service centre 0794998990)

20.42 Destinations

Select a message where one or more phone numbers should be assigned.



After selecting a message, an overview of the phone numbers entered previously under "Phone Book" is displayed. If the telephone number has been given a name, then this is shown in the display instead of the running number. Select which of the displayed telephone numbers should be sent the SMS message. Mark phone numbers to be called in the event of a trigger for this SMS message with **YES**.



Five SMS messages are available in total. The home message is always transmitted first by the alarm centre. The alarm centre then transmits message 1, 2, 3 or 4 to the selected phone number.

20.43 Line Fault

This menu can be used to program the system so that it reacts with an acoustic or silent alarm when the alarm centre determines a fault in the remote transmission lines. Select the **Line Fault** menu item.

When a GSM or ISDN module is integrated, then line faults can be set for the PSTN line that is directly attached to the alarm centre or for the installed module.



Select whether the telephone line is to be monitored and how a fault should be reported to the user. The options are as follows:

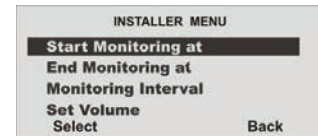
Function	Meaning
Deactivated	The telephone line is not monitored.
Audible	The telephone line is monitored. A fault is saved in the event log. When inactive, a telephone line fault is signalled with an acoustic warning tone that can be silenced by entering the user code. A line fault is shown on the display. The system can be activated again with a line fault present. When active, there is no warning tone and nothing is displayed. However, any programmed siren delay time is automatically set to zero seconds in the event of a line failure.
Silent Set	The setting is similar to "Audible" but without a warning tone.



The audible response corresponds to NACOSS recommendations in the event of a line fault.

21. Social Care

Select the corresponding function. For a list of functions and their attributes, see the table below.




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.

21.1 Start/End Monitoring at



Select the start time for 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. Confirm the time by pressing **OK**.

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

When the wireless alarm centre monitors an activity zone, the  symbol appears on the display in the top-right corner.

21.2 Monitoring Interval



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.** Confirm the chosen interval by pressing **OK**.

21.3 Set Volume

After a social care alarm is triggered, a voice connection is established over the telephone (provided this is programmed in the "Social Care" or "Speech Dialler" settings). If the loudspeaker volume is too low, then it can be changed under "Set Volume".

After the announcement of the text message, an audio connection is established. Consult the following table for details on controlling after establishment of the audio connection. Please remember that an alarm call may need to be confirmed on the telephone by pressing "5" or "9".

22. Test function

Select the corresponding function. For a list of functions and their attributes, see the table below.

In the installer menu:



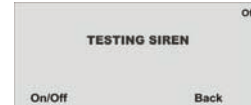
Select the **Local** menu item.

Function	Meaning
Local	Tests the function of the local sirens in the alarm centre.
Loudspeaker	Tests the function of the local loudspeaker in the alarm centre.
Keypad	Tests the keypad input function.
Walk Test	Used to go through each trained detector and test its function.

Detector Signals	Tests the signal strength of the trained detectors.
Ext Sirens	Tests the signal strength of the external sirens.
WAM	Tests the signal strength of the wireless accessory module.
Arming Station	Tests the signal strength of the arming station.
Outputs	Tests the outputs through manual activation.
Telecommands	Tests the button functions and the owner of the trained remote control units (telecommands).
Pendants	Tests the function of the emergency call transmitter (pendant).
PA Detector	Tests the function of the panic detector.
Tag	Tests the function of the chip key (tag).

22.1 Testing the local siren

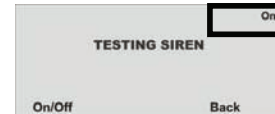
Activate the siren by pressing **On/Off**.



After confirming with **On/Off**, the internal siren is activated. You should now hear the

Talk	DTMF tone "2"
Listen	DTMF tone "1"
Toggle	DTMF tone "6"
End call	DTMF tone "5"
Playback home message and alarm message	DTMF tone "3"
Switch off all calls	DTMF tone "9"

alarm tone. **ON** is also shown in the top-right corner of the display.



To stop the test, press the control key under the **On/Off** display again.

22.2 Testing the loudspeaker



Activate the loudspeaker by pressing **Play/Stop** under the display. After confirming with **Play/Stop**, the loudspeaker is activated. You should now hear the voice messages. You can now listen to all voice messages saved in the display. **Playing** is also shown in the top-right corner of the display. The following graphic display is shown:



To stop the test, press the control key under the **Play/Stop** display again.

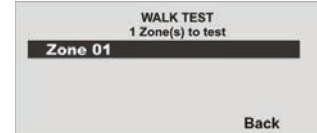
22.3 Testing the keypad

Press all keys on the keypad in succession. Press the double keys simultaneously to start the test. The corresponding character is shown on the display in response.



22.4 Walk Test

A list of all detectors trained to the system is shown on the display.



Activate all detectors on the premises in succession. If a detector is recognised, the alarm centre issues a double signal tone. It also shows whether a tamper contact (T) and/or an alarm (A) is triggered. The number of zones to be tested (alarm and tamper) is shown at the top of the display.

After all detectors have been tested, the display shows **All Zones tested**.



Please note that "24 Hour" and "Fire" zones cannot be tested.

22.5 Detector Signals

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 centre is reduced by 6 dB. The signal strength should be higher than 3 to ensure satisfactory wireless communication. If the detector signal is too weak, use a **repeater (accessory module)** to ensure good wireless communication.

22.6 Ext Sirens

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

22.7 WAM Signal

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

22.8 Arming Station

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

22.9 Outputs

A list of all outputs installed on the system is shown on the display. Select the output to be tested. Press **Done** to end the test. When the test is ended, check whether the output has the required status.



Ensure that nobody attempts to activate the WAM using a remote control or social care transmitter during the test.

22.10 Telecommands

Press the buttons of the remote control (telecommand). The alarm centre displays the identity, the user, which button was pressed and what the button is used for. The test of the remote control signal is used for displaying the signal strength. The signal strength should be higher than 3.

22.11 Pendants

Press the button on the pendant. The identity of the user assigned to the pendant is displayed. The pendant test is used for displaying the signal strength. The signal strength should be higher than 3.

22.12 PA Detector

Press both buttons on the PA detector transmitter. The identity of the user assigned to the panic alarm is displayed. The test of the PA detector is used for displaying the signal strength. The signal strength should be higher than 3.

22.13 Tag

Hold the chip key (tag) at the top-left corner on the front of the alarm centre. If the chip key is detected, the alarm centre shows the user assigned to the chip key. Only one chip key can be assigned to each user. Chip keys are assigned to users in the user mode.

23. Viewing the log

A list of log displays can be found in the user manual.



24. About Panel



Select the **About Panel** menu item.

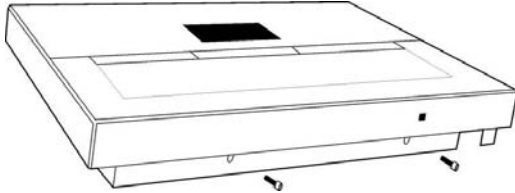


An overview of the displayed data is shown in the following table:

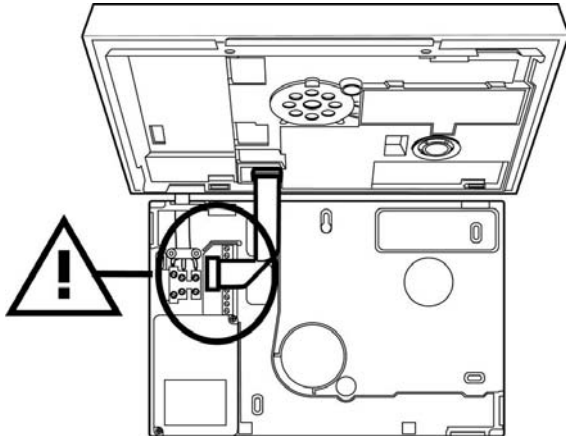
Main S/W:	Software status of the firmware in the alarm centre
Part No.:	Software status of the firmware in the alarm centre
Radio:	Software status of the wireless communication
German:	Software status of the OSD language

25. Installing additional modules

Before connecting the ISDN / GSM / ethernet / GPRS module to the alarm centre, disconnect the electric power supply. Firstly, access the installer menu on the alarm centre. This prevents a tamper alarm from being triggered when the top part is removed from the base plate. Loosen the housing screws on the lower side of the wireless alarm centre as shown in the diagram.

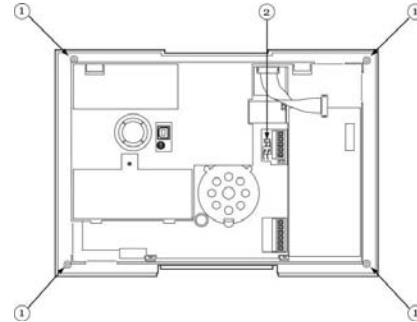


Open the top part and disconnect the connecting cable between the base plate and the top part.

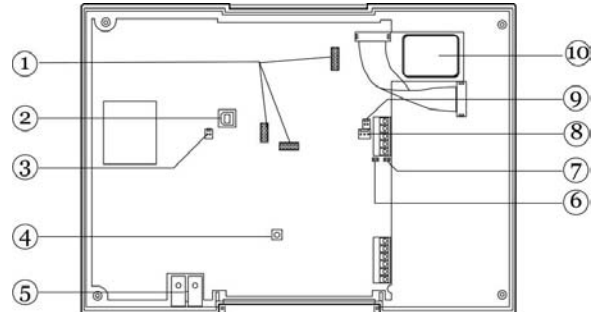


Turn

the top part around and remove the four housing screws (1) on the bottom. Ensure that you also disconnect the loudspeaker cable and the battery supply cable (2).



Carefully remove the cover of the top part. Be careful when handling the siren connection and the tamper spring. The PCB of the wireless alarm centre can now be seen.

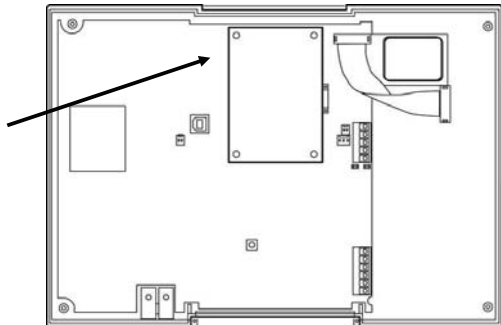


- | | | | |
|---|-------------------------|----|--------------------|
| 1 | Base of ISDN/GSM module | 2 | USB port |
| 3 | Siren connector | 4 | Tamper switch |
| 5 | Microphone | 6 | Kickstart jumper |
| 7 | Code reset jumper | 8 | Battery connection |
| 9 | Loudspeaker connection | 10 | Chip key reader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

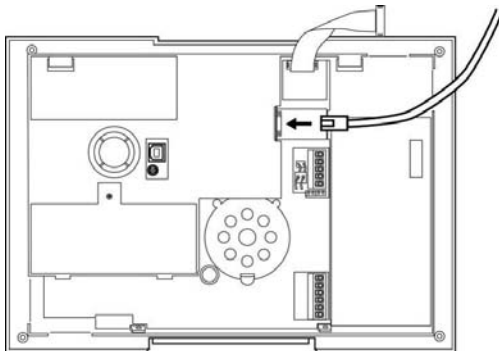
26. Fitting the ISDN module

Insert the ISDN module carefully and exactly into the base of the ISDN module. Ensure that all base feet are correctly attached to the base holder.

IMPORTANT: The ISDN module does not support the entry of MSN numbers.

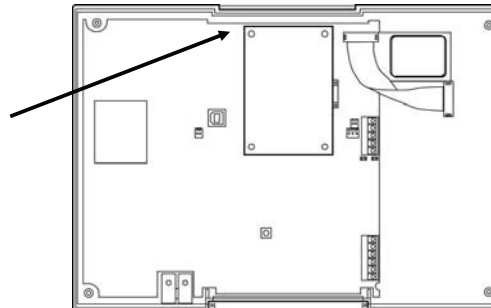


Plug in the ISDN cable.

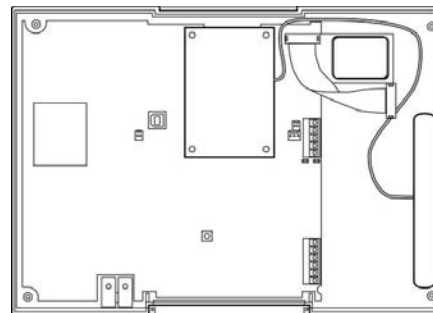


27. Fitting the GSM module

Before inserting the GSM module, insert a SIM card into the GSM module. **Any SIM cards whose PIN code can be disabled are suitable (or SIM cards with a PIN changed to "0000").** If you have not done so already, insert the SIM card into a mobile phone and deactivate the PIN request (or change it to 0000). Now insert the SIM card into the GSM module. Fix the antenna of the GSM module by fitting it carefully and exactly into the base of the ISDN module. Ensure that all base feet are correctly attached to the base holder.

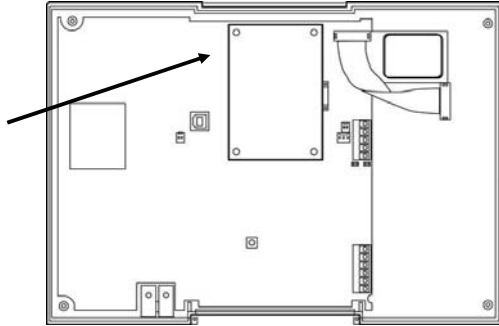


Fix the antenna cable as shown and stick the antenna to the interior of the housing.

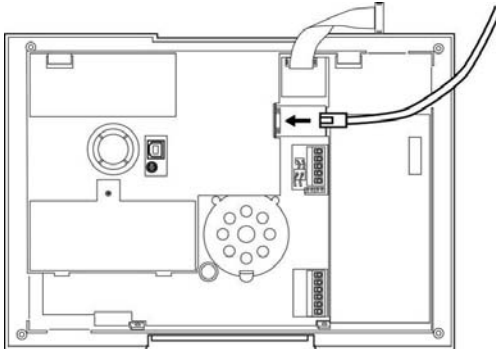


28. Fitting the ethernet module

Insert the ethernet module carefully and exactly into the base of the module. Ensure that all base feet are correctly attached to the base holder.

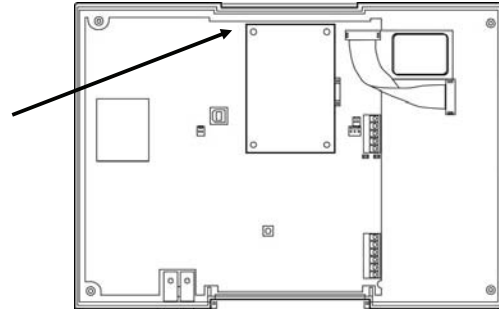


Plug in the network cable.

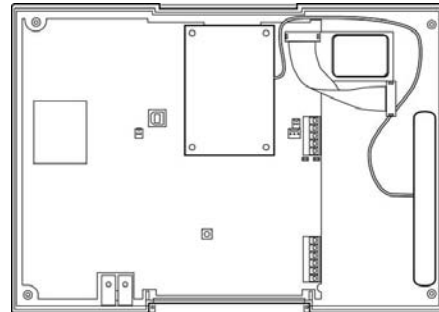


29. Fitting the GPRS module

Before inserting the GPRS module, insert a SIM card into the GPRS module. Any SIM cards who support this service and whose PIN code can be disabled are suitable (or SIM cards with a PIN changed to "0000"). If you have not done so already, insert the SIM card into a mobile phone and deactivate the PIN request (or change it to 0000). Now insert the SIM card into the GPRS module. Fix the antenna of the GPRS module by fitting it carefully and exactly into the base of the module. Ensure that all base feet are correctly attached to the base holder.



Fix the antenna cable as shown and stick the antenna to the interior of the housing.



30. Final tasks

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

Reconnect the battery and loudspeaker cables and the connecting cable between the base plate and the top part. Place the top part back on to the base plate and tighten the housing screws.

The ISDN / GSM / ethernet or GPRS module is now operational and is automatically detected by the wireless alarm centre. 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. PSTN setting even though no analogue line is connected), an error message may be displayed such as "Line error" or "Line transmission error". In this case, check the setting of the primary transmission path and change it accordingly.

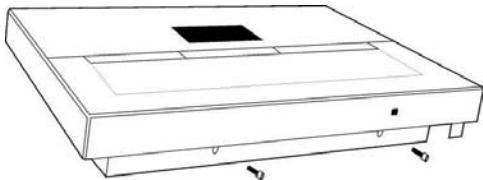
31. Module certification

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.

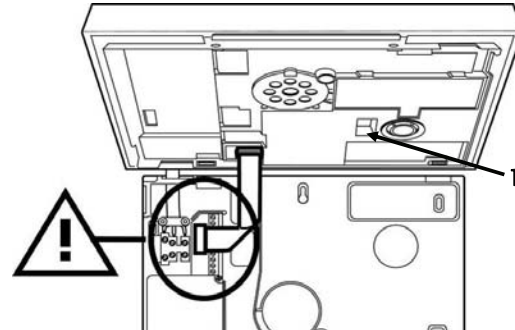
32. USB port and programming

32.1 Establishing the connection

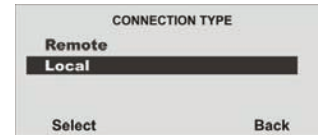
Use the USB cable to connect the alarm centre to your PC or laptop. Firstly, access the installer menu on the alarm centre. This prevents a tamper alarm from being triggered when the top part is removed from the base plate. Loosen the housing screws on the lower side of the wireless alarm centre as shown in the diagram.



Open the top part, but this time do not loosen the connecting cable from the base plate. Instead, plug one end of the USB cable into the USB port (1) of the alarm centre.



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



Select "Local" and press "Select" under the display. During the initial connection, the alarm centre installs the USB drivers on your computer. The connection is then established.

32.2 Programming

To program the system, install the downloader program from the software CD supplied. The current version of this program can also be downloaded from the Security Center website.

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

After entering the password, create a **new customer**. When a customer is created, a **serial number of the alarm centre** must be entered. Enter any 8-digit number, e.g. 12345678.

Also note the connection settings. For the local connection setting via USB, COM 3 in the software is usually chosen. For a brief description of the software, see the **Downloader CD** provided.

33. Technical data

General information

Product name:	FU8006
Environmental protection:	Class II
Operating temperature:	Checked at -10 °C to 55 °C
Dimensions:	285 mm x 206 mm x 45 mm (WxHxD)
Weight:	1060 g (without batteries)
Housing material:	ABS
Zones:	2 x wired, 48 x wireless
Outputs:	2 x wired, 32 x wireless
Internal clock:	±10 minutes over one year (depends on the accuracy of the network frequency)
Signaller:	Internal piezo signaller, max. 97 dB(A) at 1 m

Power supply

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

Mains supply voltage:	230 V AC, 50/60 Hz +/-5%
Power consumption:	200 mA +10%/-15%
Emergency power supply:	6 x 1.2 V, 2000 mAh rechargeable batteries NiMH AA
Standby time:	More than 12 hours
Maximum recharging time:	Less than 72 hours
Power supply monitoring:	Power failure, battery empty, battery low
Fuse:	400 mA delay action (T400 mA)



Alarm centre behaviour in the event of power failure

When deactivated, a message is shown in the alarm centre display after a few minutes. Activation of the alarm centre is prevented. The backlight of the display goes out. When the alarm centre is activated, the backlight of the display goes out. The fault display is first shown on deactivation. When "Contact ID Reports" or "SIA 1 Full" reports are used for transmission, the power failure is transmitted using a digital report. When the "Supply Fault" speech dialler function is activated, the power failure is transmitted by voice message. A local alarm is never made.

Inputs/outputs

Wired outputs 1 and 2:	Disconnected, single pole relay contacts, max. load 24 V DC, 1 A or 120 V AC, 0.5 A
Wired zones 33 and 34:	DEOL
Wireless outputs:	32
Wireless inputs:	48

Safety

EMC immunity:	Corresponds to EN50130-4, EN50131-4
EMC emissions:	Corresponds to EN61000-6-3
Electrical safety:	EN60950-1:2002
Environmental compatibility:	EN50130-5 Class 1, 93% ambient humidity
Security level:	EN50131-1 Level 2
Encryption:	16.777.214 (2E24 – 2) variations
Wireless supervision:	Programmable
Access code:	4-digit (0000-9999)
Each position can be a number between 0 and 9 =	10,000 code variations
Code blocking:	90 seconds
After four incorrect code entry attempts (consecutive)	

Wireless

Wireless frequency:	868.6625 MHz, narrow band EN 300.220-3, EN 300.330-2
Wireless output:	10 mW
Range:	ca. 30 metres (indoors) ca. 100 metres (outdoors)

(These values are recommended values. The transmission range of the alarm centre, detectors and other components is strongly dependent on the installation location and environment. An exact range measurement can only be made using on-site testing.)

Communication

This product can be connected to an analogue telephone connection (PSTN) or an analogue extension connection. However, due to differences between telephone network providers, no guarantees can be made for problem-free operation on every telephone terminal connection.

This product can use a PSTN line with other telephone or fax equipment.

ARC reports: Scancom Fast Format Channel, Contact ID Reports, SIA Level I, SIA Level II, SIA Level III, Extended SIA Level III and CID in SMS.

Social care reports: Scancom, Scancom Fast Format, Tunstall

Voice messages: Up to 44 seconds (one 12 second home message and four alarm messages of 8 seconds each)

GSM/ISDN/ethernet/GPRS: Connected extension modules with proprietary interface between module and alarm centre

The network interface corresponds to the applicable specifications (post-office-approved throughout Europe)

1995/5/EC certification - "Directive on radio and telecommunications terminal equipment"

This product has been self-certified for individual pan-European end connections on the PSTN network according to 1995/5/EC R&TTE guidelines. The product was designed for use on public national remote networks and compatible extension systems in other European countries.

If problems occur, first consult Security Center. The product has been tested according to TBR21. As a support aid for the use and operation of terminal devices which meet these standards, the European Telecommunication Standards Institute (ETSI) has published a set of guidelines (EG 201 121). These contain suggestions and other requirements for ensuring network compatibility of TBR21 terminal devices. The product has been developed according to the recommendations contained within these guidelines and meets the requirements completely.

Compatibility to EC standards

This product meets the safety requirements of the 89/336/EEC, 73/23/EEC and 1999/5/EC EC guidelines (comparison and harmonisation across European member states) on the electromagnetic compatibility and safety of electrical devices used in certain voltage ranges, plus wireless devices and telecommunication terminal devices.

This product is suitable for use in systems that are constructed according to the Class 2X and Environment Class II requirements in PD 6662 : 2004. This product meets the Class 2 and Environment Class II requirements detailed in CLC/TS 50131-3:2003. This product meets the Class 2 and Environment Class II requirements detailed in EN 50131-6:1997. The equipment meets the EN 50136-2-1:1998 and EN 50136-2-2:1998 guidelines. This allows the alarm transmission system to fulfil the EN 50131-1:2006 ATS 2 guidelines under the following conditions:

- a) The system is installed according to the installation instructions
- b) The connected PSTN works normally
- c) The alarm reception is equipped accordingly

This product conforms to the limit values according to EN 55022, Class B, and also the safety requirements according to EN 60950.

34. Declaration of conformity

The declaration of conformity to the applicable guidelines has been made available and signed by Security Center management. It is available at the end of this manual.

35. Glossary

Term / abbreviation	Explanation
ARC	Alarm and relay command centre.
Command centre	Organisations where alarm and system messages are transferred to in digital form (by telephone). Used as an initial point for intervention measures (police / fire department).
Force Set	Zones with this attribute are automatically hidden when an alarm system or partition is activated (provided they are open).
GPRS	General Packet Radio Service – Packet-based transmission service used in wireless mobile phone transmissions.
GPRS APN	Access Point Name
GSM	Global System for Mobile Communications – Standard for fully digital mobile communication networks. Used primarily for telephone connections, but can also be used for service and packet transmissions and SMS messages.
ISDN	Integrated Services Digital Network – An international standard for digital telecommunication networks. Various services are transmitted over this network (e.g. Telex, Teletex, Datex-L (data line transmissions), Datex-P (packet transmissions) and telephone services).
Jamming	A jamming device interferes with or stops the normal reception of wireless transmissions. A jamming device sends electromagnetic waves in the same way as the transmitter, which interferes with the original waves.
Line	Alternative term for zone.
MAC	The MAC address (Media Access Control) is the hardware address of each network adapter. It is used for the clear identification of a device in the network.
NC	Normally Closed – A detector or line which opens in the event of an alarm.
NO	Normally Open – A detector or line which closes in the event of an alarm.
NTBC	Network Termination Basis Connection – The NTBA is installed at the user and is usually connected to the first TAE socket or the DSL splitter output. Using the NTBA, the connection of different ISDN terminal devices to an ISDN public telephone network exchange is possible. Defines the network termination for ISDN basic rate access.
PSTN	Public Switched Telephone Network.
Report	Method of transmitting alarm and system settings to a command centre.
S0	S0 is an interface within ISDN installation. It is used for in-house connections and connects ISDN devices to the NTBC.

Signaller	When required, strobes or signals are activated by the system in the event of an alarm (usually in combination).
SMS	Short Message Service – Telecommunication service used for sending text messages. Now also available on landlines in addition to GSM mobile phones.
Supervision	The alarm centre monitors whether the detector is present and active. Wireless detectors send a message every 10 minutes and WAMs send a message every 4 minutes. When the status message is disabled, the alarm centre is in charge.
VdS	Verband der Schadensversicherer (German Insurance Organisation) Defines guidelines for various levels of security VDS-A for private use VDS-B for commercial use VDS-C for banks and jewellers (high-risk businesses).



Amendments to the operating manual (UK)

**Secvest 2WAY
FU8006
S/W ≥ 5.04.22**

1. Preface

Dear customers,

We constantly develop our product range in order to provide our customers with optimal products incorporating state-of-the-art technology. The new software release for the Secvest 2WAY includes optimised workflows and an extended function range. These improvements can be found in the following document.

2. Software status (01.08.2009)

The information as detailed below can be found under the “Installer Menu” → “About Panel” menu item.

Main S/W:	5.04.22 50 Hz
Part No.:	11952474
RF S/W:	05.11
Dansk [SC]:	3.07
or	
English :	3.18
or	
Italiano [SC]:	3.02

3. New menu items in Installer Menu

3.1. Secvest Key 2WAY wireless cylinder, item no. FU59xx

Installer Menu → Other Devices → Secvest Key → ADD/DEL Door Lock
EDIT Door Lock

- **Adding and removing Key devices**

A maximum of four Secvest Key 2WAY wireless cylinders can be trained.

Installer Menu → Other Devices → Secvest Key → ADD/DEL Door Lock

Select Door Lock 1, Door Lock 2, Door Lock 3 or Door Lock 4. “Insert battery” then appears on the display. Insert the battery into the selected Secvest Key 2WAY. The wireless cylinder sends a training signal to the alarm centre. After it has been trained successfully, a symbol appears next to the selected device.

To remove a wireless cylinder, select it and follow the instructions on the display.

- **Assigning the partitions**

Installer Menu → Other Devices → Secvest Key → EDIT Door Lock

Select the corresponding Secvest Key 2WAY wireless cylinder (Door Lock 1, Door Lock 2, Door Lock 3 or Door Lock 4). You can then define the partitions that should be switched by the wireless cylinder.

- **Testing**

Installer Menu → Testing → Secvest Key

Select the corresponding Secvest Key 2WAY wireless cylinder (Door Lock 1, Door Lock 2, Door Lock 3 or Door Lock 4). The wireless cylinder functions and correct positioning of DIP switch 3 to the door hinge in the Secvest Key 2WAY can be tested here.

“Unlocked” is shown on the Secvest 2WAY display when the door is unlocked. “Locked” is shown when the button on the Secvest Key 2WAY wireless cylinder is pressed and the door is then locked. The received signal strength is also shown.

3.2. Switching 2WAY Replies on / off

Installer Menu → System Options → User Access → 2 Way Replies → Y/N

- “Y” (yes) is the default factory setting.
- When “N” (no) is selected, no feedback is sent to the FU8100 wireless remote control, FU8110 wireless control unit and FU59xx Secvest Key 2WAY wireless cylinder.

3.3. Tamper alarm

Installer Menu → System Options → Send unset Tamper → Disabled
Enabled

- Factory setting: Disabled
- When “Enabled” is selected, tamper alarms are transmitted over the selected communication method, even when the alarm centre is deactivated. This applies to ALARMS, SPEECH DIALLER and SMS communication.

3.4. Customer ID for alarm communication to an emergency call service centre

Installer Menu → Reporting → Alarms → Account Numbers → Account No P 1
Account No P 2
Account No P 3
Account No P 4

- “P” (partition) has now been added (previously “Account No 1” etc.).
- An ID must be entered for the corresponding partition so that alarm messages for various events in this partition are transmitted correctly.

3.5. Customer ID for alarm communication to a social care service centre

Installer Menu → Reporting → Social Care → Account Numbers → Account No P 1
Account No P 2
Account No P 3
Account No P 4

- “P” (partition) has now been added (previously “Account No 1” etc.).
- An ID must be entered for the corresponding partition so that social care messages in this partition are transmitted correctly.

4. Software changes

4.1. “Normal Alarm” zone type with FTS 96 E function

To use the FTS 96 E wireless window lock (item no. FU841x) or the FTS 96 wireless upgrade set (item no. FU8402), program the “Normal Alarm” zone type in the alarm centre.

- When the alarm centre is deactivated, these detectors are monitored for detachment and opening. The window must be closed and the FTS 96 E locked. Monitoring begins 30 seconds after locking (the FTS 96 E requires a self-calibration time of 30 seconds).
- Monitoring is no longer made when the FTS 96 E is unlocked. If an attempt is made to open the window without unlocking the FTS 96 E first, then an alarm can be triggered by movements to the window sash.
- A passive glass breakage detector (item no. FU7300) can be connected to the FTS 96 E. If this detector registers a glass breakage, then this always leads to an alarm in the alarm centre. The alarm centre carries out the actions specified for the activated or deactivated state.

4.2. Social care messages when communicating with ALARMS

- The “QA” code in the SIA protocol in “Basic”, “Summary”, “Intermediate” and “Full”.
- The “101” code in the Contact ID protocol.

4.3. New operating mode for social care messages

- An alarm cancellation using the pendant is no longer possible within the 30 second guard time. Earlier, an alarm was cancelled by pressing the button a second time within the guard time.
- An alarm cancellation is only possible on the alarm centre within the 30 second guard time. A user code must also be entered in the alarm centre during this time. The text shown below appears briefly on the display. The first triggered social care message can be seen in the second line. If the social care message was triggered by the wireless pendant (item no. FU8390), then the corresponding programmed user name appears on the display. If the social care message is triggered by the key on the alarm centre, then “Social Care Key” appears on the display. Other social care messages triggered within the 30 second guard time and before the alarm cancellation are not displayed.

Social Alarm from
Social Care Key (or “User.xy”)
(Other Social Alarms
during guard time
Not Displayed)

- Alarm transmission:
 - Social care messages triggered within the 30 second guard time are collected and then transmitted together after the guard time has elapsed. This is made over the activated communication type (ALARMS, SOCIAL CARE, SPEECH DIALLER, SMS).
 - Other triggered social care messages are transmitted immediately after the 30 second guard time has expired (social care alarms are not yet acknowledged by the alarm centre).

4.4. Zone name prompts

This function is activated as follows and zone names are recorded:

User Menu → Facilities On/Off → Zone Name Prompts → Enabled → Yes

The following additional prompt is then announced:

- With opened zone → “The System cannot set” + “<Zone name prompts>”
When several zones are open, the zone with the smallest zone number is also announced.
- In the event of an alarm
 - Speech dialler: The first triggered zone is also announced after “Home Message” and “Message x”.
 - Alarm centre: The first triggered zone is announced for each partition, starting with the partition with the smallest number.

For example: An alarm is triggered in the following zones in the sequence described below:

Zone 26	Partition 3
Zone 25	Partition 1
Zone 3	Partition 1

The following can be heard on the system:

“The partition is unset! Attention! There has been an alarm!
<announcement zone 25>, <announcement zone 26>.
A reset is required.”

A1 - X



Amendments to the operating manual (UK)

**Secvest 2WAY
FU8006
S/W \geq 5.05.30**

1. Preface

Dear customers,

We constantly develop our product range in order to provide our customers with optimal products incorporating state-of-the-art technology. The new software release for the Secvest 2WAY includes optimised workflows and an extended function range. These improvements can be found in the following document.

2. Software status (18.11.2009)

The information as detailed below can be found under the “Installer Menu” → “About Panel” menu item.

Main S/W:	5.05.30 50 Hz
Part No.:	11985414
RF S/W:	05.15
Dansk [SC]:	3.08
or	
English :	3.20
or	
Italiano [SC]:	3.03

3. New menu items in Installer Menu

3.1. FTS 96 E Detector, additional attribut for “Normal Alarm” zone type

Installer Menu → Detectors → Edit Zones → Attributes → Dis. Sabotage Yes /No

- Factory setting: No
- If “Yes” is selected, **sabotage monitoring** on the FTS 96 E wireless window protection system is **switched off** when the alarm system is **deactivated**.
 - “W” is shown in the “Attributes” line in the display.

3.2. System settings Jamming

Installer Menu → System Options → Jamming → Disabled

Fault

Fault + Sounders

- Factory setting: Disabled
- If “Fault” is selected, a warning is shown on the display when jamming is detected. If an output is programmed for jamming, then this is switched. Communication measures set accordingly are also started.
- If “Fault + Sounders” is selected, all signallers are also activated.
 - **Note: This setting does not conform to EN50131 standards!**

3.3. Outputs - additional “Jamming” output type

Installer Menu → Outputs → Edit Outputs → Type → Jamming

- The corresponding output switches when jamming is detected.

3.4. Communication , SPEECH DIALLER, additional “Jamming” event type

Installer Menu → Reporting → Speech Dialler → Report Triggers → Message x → Trigger x → Jamming

- If “Jamming” is selected, the corresponding message is transmitted from the voice dialler when jamming is detected.

4. Software changes

4.1. Reporting with ALARMS

- The user of a key switch is transmitted with user ID 53.

4.2. Alarm signalling with “Technical Alarm” zone type

- The wireless info module and wireless internal siren signal technical alarms using beep tones (in the same way as the alarm centres).

4.3. New wireless accessory module

- All new functions on the new wireless accessory module (2WAY sticker) can be used from this software version onwards.